

Product Catalogue

Uncommon Excellence

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Information contained in this catalogue is true and accurate as of the date of printing and may be subject to change.

A Leading and Trusted Manufacturer and Supplier of Fluid Transfer Solutions

HISTORY

At Dixon Asia Pacific, a subsidiary of Dixon Valve & Coupling Company, we have established ourselves as a premier manufacturer and supplier of fluid transfer products since our inception in 1996. With a wide range of markets we serve, including mining, drilling, transport, marine, fire protection, food & beverage, pharmaceutical, irrigation, energy and manufacturing we have become a trusted name in the industry.

Founded by Howard W Goodall in 1916, we have a remarkable history of over 100 years in producing safe and leak-free products. Howard's keen observations at construction sites led him to identify the hose and coupling requirements of the industry, and he started manufacturing purpose-built solutions. Today, headquartered in Chestertown, Maryland, USA, we have become an industry leader in hose coupling innovation.

Dixon Asia Pacific plays a crucial role in our global operations, with sales and distribution centres in Australia, Singapore, and China. By leveraging our application-based knowledge and cutting-edge technologies, we develop products that effectively address material transfer challenges across various industries. Our primary focus is on delivering superior customer service, value-added services, technical support, and comprehensive training to ensure that our customers have access to the right parts at the right time.

At Dixon Asia Pacific, we take pride in catering to the specific needs of our customers. By offering high-quality products, such as hose, fittings, valves, couplings, and accessories, we ensure durability and reliability. We harness the latest technologies in our manufacturing processes, enabling us to produce high-quality products.

Apart from our manufacturing capabilities, we operate a sales and distribution network, providing quick and convenient access to our products for customers. Our commitment to exceptional customer service extends beyond the sale, including technical support and training to help customers optimise the performance of our products.

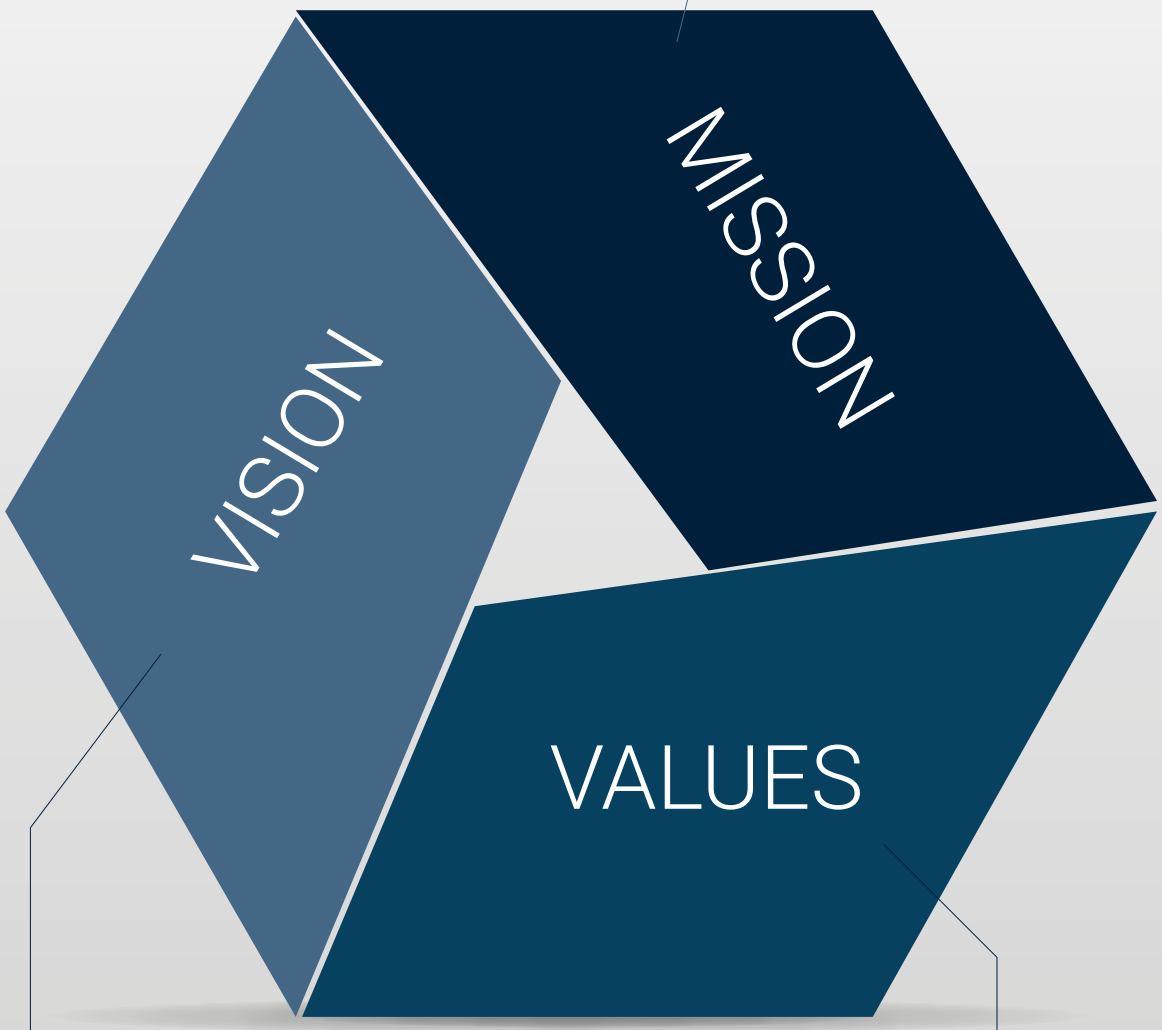
In addition to our focus on customer satisfaction, we are dedicated to sustainability. We actively engage in eco-friendly practices and employ technologies aimed at minimising our environmental impact. Moreover, we take our corporate social responsibility seriously and support various charitable initiatives.

With our strategic objective of creating safer, leak-free, longer-lasting, and readily available products, we stand as a trusted provider of industrial hose fittings and accessories. Our unwavering commitment to quality, customer satisfaction, and sustainability positions us for continued success in the industry.

DIXON

VISION,
MISSION & VALUES

Working together to delight our customers.



Lead in our chosen markets by setting and achieving ambitious goals.

Provide quality products, rapid delivery, and superior customer service worldwide.

Encourage and assist all employees to reach their full potential with opportunities to influence the decision-making process.

Be accountable for executing our plans.

Conduct our business with honesty and integrity.

Promote Respect, Responsibility, Caring, Citizenship, Trustworthiness, and Fairness.

Operate our facilities in a safe, clean, and healthy manner.

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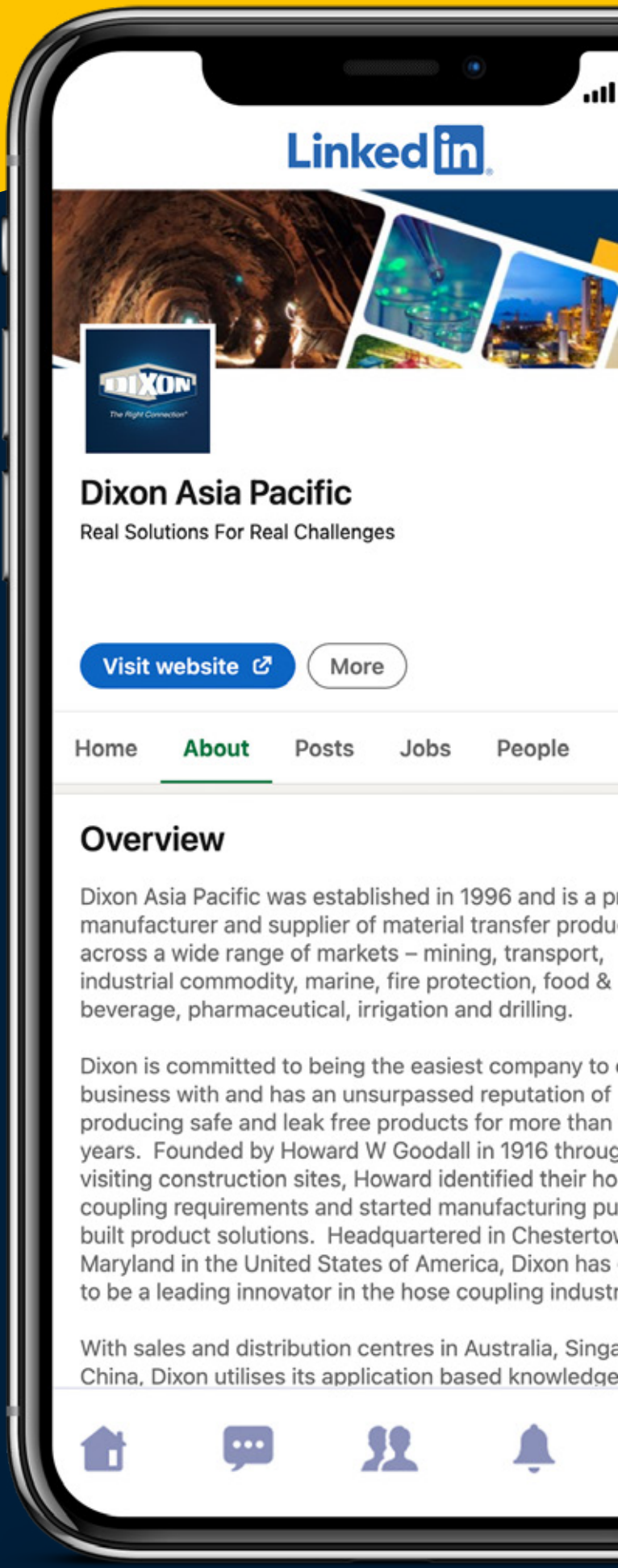




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Value Add **Service**

Dixon offer a range of value add services for all your engineering needs, including:



- **Hose Assemblies**

  At Dixon Asia Pacific, we specialise in the construction of hose assemblies that can be fitted, tested and tagged with the ability to crimp hose up to 12”. Our hose assemblies adhere to the applicable NAHAD or Australian standard, ensuring full compliance. Operating hose centres in Adelaide, Perth, and Sydney, Dixon are committed to delivering quality and compliant hose solutions to their valued customers. As part of our quality assurance, our training programs and procedures strictly adhere to ISO9001 standards.



- **Testing**
  We offer complete pressure testing including pneumatic, hydrostatic and destructive testing. Metrology including continuity testing. All work is performed using calibrated equipment to ensure the highest standard of work.
- **Machining Services**
  Manual lathe and milling.
- **Metal Polishing & Passivation**
  Mechanical polishing, electro polishing, chemical treatment and sand blasting.
- **Assembly Work**
  Crimping hose assemblies up to 12”.
- **Welding Services**
  MIG, TIG, braze and purge weld a range of different materials including stainless steel, steel, aluminium and brass.
- **Fabrication Work**
  Customised pipework and fittings to suit a range of industries including sanitary, marine, mining and many more.

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Industrial Hose - Compressed Air (Rubber)

Super Heavy-Duty Air & Water Delivery Hose (A191)

Applications

- Available in black and high visibility yellow, specifically designed with robust construction for the delivery of compressed air and water services in harsh mining environments. Also commonly used in construction, agriculture, and manufacturing for the transfer of compressed air, wastewater, sewage, and service water.

Features

- Mandril built
- Ozone resistant
- Weather resistant
- Oil mist resistant

Hose Construction

- Tube: SBR/NBR blend - black
- Cover: SBR/EPDM blend - black or yellow
- Reinforcing: high tensile synthetic textile cords

Temperature

- -35°C to 80°C

Hose Specifications

Dimensions (mm)		Positive Working Pressure PSI/Bar				Vacuum (Bar)	Bend Radius (mm)	Weight (kg/mtr)
		Working		Burst				
ID	OD	PSI	Bar	PSI	Bar			
12.7	23.0	300	20	900	60	n/a	90	0.43
19.1	30.0	300	20	900	60	n/a	125	0.61
25.4	37.0	300	20	900	60	n/a	185	0.82
31.8	45.0	300	20	900	60	n/a	225	1.12
38.1	52.0	300	20	900	60	n/a	265	1.41
50.8	65.0	300	20	900	60	n/a	345	1.89
63.5	79.0	300	20	900	60	n/a	415	2.64
76.2	92.0	300	20	900	60	n/a	560	2.92
102.0	118.0	300	20	900	60	n/a	780	3.95



Black

Dimensions (mm)		Part Numbers	
ID	OD	Cut Length	Coil 20m
12.7	23.0	A191012	A191012020
19.1	30.0	A191020	A191020020
25.4	37.0	A191025	A191025020
31.8	45.0	A191032	A191032020
38.1	52.0	A191040	A191040020
50.8	65.0	A191050	A191050020
63.5	79.0	A191065	A191065020
76.2	92.0	A191080	A191080020
101.6	118.0	A191100	A191100020

Product Code: DB03



Yellow

Dimensions (mm)		Part Numbers	
ID	OD	Cut Length	Coil 20m
12.7	23.0	A191012Y	A191012Y020
19.1	30.0	A191020Y	A191020Y020
25.4	37.0	A191025Y	A191025Y020
31.8	45.0	A191032Y	A191032Y020
38.1	52.0	A191040Y	A191040Y020
50.8	65.0	A191050Y	A191050Y020
63.5	79.0	A191065Y	A191065Y020
76.2	92.0	A191080Y	A191080Y020
101.6	118.0	A191100Y	A191100Y020

Product Code: DB03

Super Heavy-Duty Air & Water Delivery Hose Assemblies (A191)

Black Rubber Hose Assemblies

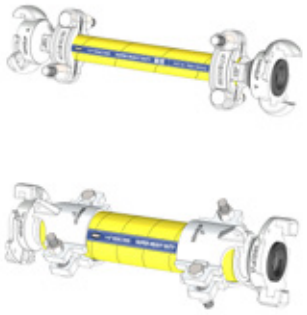
Part Numbers	ID (mm)	Description	Length (mtr)
A191012020FA	12	Minsup® A-Type couplings with Minsup® claw clamps	20
A191012FHA	12	Minsup® Surelock® couplings with band clamps	20
A191012020FS	12	Minsup® Surelock® couplings with Minsup® claw clamps	20
A19102020FA	20	Minsup® A-Type couplings with Minsup® claw clamps	20
A19102020FS	20	Minsup® Surelock® couplings with Minsup® claw clamps	20
A191025020FA	25	Minsup® A-Type couplings with Minsup® claw clamps	20
A191025020FS	25	Minsup® Surelock® couplings with Minsup® claw clamps	20
A191032020FA	32	Minsup® A-Type couplings with Minsup® claw clamps	20
A191040020F	40	Minsup® Surelock® couplings with Minsup® claw clamps	20
A191050020F	50	Minsup® Surelock® couplings with Minsup® claw clamps	20
A191080FHA	76	Minsup® Surelock® couplings with Boss® clamps	20



Product Code: DB03

Yellow Rubber Hose Assemblies

Part Numbers	ID (mm)	Description	Length (mtr)
A191012Y020FA	12	Minsup® A-Type couplings with Minsup® claw clamps	20
A191012Y020FS	12	Minsup® Surelock® couplings with Minsup® claw clamps	20
A191020Y020FA	20	Minsup® A-Type couplings with Minsup® claw clamps	20
A191020Y020FS	20	Minsup® Surelock® couplings with Minsup® claw clamps	20
A191025Y020FA	25	Minsup® A-Type couplings with Minsup® claw clamps	20
A191025Y020FS	25	Minsup® Surelock® couplings with Minsup® claw clamps	20
A191040Y020F	40	Minsup® Surelock® couplings with Minsup® claw clamps	20
A191050Y020F	50	Minsup® Surelock® couplings with Minsup® claw clamps	20



Product Code: DB03

Heavy-Duty Steel Braid Air Hose (A170)

Applications

- An exceptionally durable steel cord delivery hose engineered to convey high-pressure compressed air. Built to withstand extreme conditions and designed with high safety margins to ensure prolonged, dependable performance even in the most challenging work environments encountered in mines, quarries, construction, and industrial sites.

Features

- Ozone resistant
- Weather resistant
- Oil mist resistant
- Abrasion resistant
- Pin pricked cover
- Mylar layline & embossed tape line
- Mandrel built

Hose Construction

- Tube: NBR blend - black
- Cover: EPDM blend, smooth - yellow
- Reinforcement: high tensile steel wire cords

Temperature

- -40°C to 70°C

Dimensions (mm)		Part Numbers		Pressures				Bend Radius (mm)	Weight (kg/mtr)
				Working		Burst			
ID	OD	Cut Length	Coil 20m	PSI	Bar	PSI	Bar		
25.4	36.0	A170025	A17002520	580	40	2320	160	125	0.88
38.1	50.0	A170040	A17004020	580	40	2320	160	190	1.54
50.8	66.0	A170050	A17005020	580	40	2320	160	225	2.52
63.5	80.0	A170065	A17006520	580	40	2320	160	315	3.36



Product Group: DB04

Industrial Hose - Compressed Air (Rubber)

High Temperature Steel Braid Air Delivery Hose (A181)

Applications

- An exceptionally durable steel braid delivery hose engineered to convey high-temperature, high-pressure compressed air. Built to withstand extreme conditions and designed with high safety margins to ensure prolonged, dependable performance even in the most challenging work environments encountered in mines, quarries, construction, and industrial sites.

Features

- Weather resistant
- High temperature hydraulic oil resistant
- Abrasion resistant

Hose Construction

- Tube: synthetic rubber
- Cover: synthetic rubber - blue
- Reinforcement: 2 high tensile steel wire braid

Standards

- SAE 100 R2/DIN-EN 853 2 SN ISO 1307

Temperature

- -50°C to 135°C



Dimensions (mm)		Part Numbers		ROD[1]	Pressures				Bend Radius (mm	Weight (kg/mtr)
					Working		Burst			
ID	OD	Cut Length	Coil 20m		PSI	Bar	PSI	Bar		
50.8	66.7	A181050	A181050020	63.5	1130	78	6090	420	630	3.07
63.5	79.8	A181065	A181065020	75.8	1000	69	4350	300	760	3.98
76.2	91.9	A181080	A181080020	87.8	725	50	3480	240	900	4.17

[1]ROD - Reinforcement Outer Diamter is the diameter over the wire reinforcement. This dimension is for hydraulic hose as it helps to determine the correct crimping diameter

Product Group: DB42

Heavy-Duty Air Delivery Hose (S191)

Applications

- Designed for the most severe working conditions in mining, quarries, industrial, and construction services. It has a high margin of safety and gives a long and trouble-free service under the most rugged working conditions.

Features

- Ozone resistant
- Weather resistant
- Oil mist resistant
- Abrasion resistant
- Mandrel built
- Mylar layline & embossed tape line

Hose Construction

- Tube: SBR blend - black
- Cover: SBR/EPDM blend - black or yellow
- Reinforcement: high tensile synthetic textile cords

Temperature

- -30°C to 80°C

Black



Dimensions (mm)		Part Numbers	Pressures				Bend Radius (mm)	Weight (kg/mtr)
			Working		Burst			
ID	OD		PSI	Bar	PSI	Bar		
25.4	36.0	S191025020	300	20	900	60	185	0.82
50.8	65.0	S191050020	300	20	900	60	345	1.89
76.2	91.0	S191080020	300	20	900	60	625	2.13

Product Group: DB03

Yellow



Dimensions (mm)		Part Numbers	Pressures				Bend Radius (mm)	Weight (kg/mtr)
			Working		Burst			
ID	OD		PSI	Bar	PSI	Bar		
25.4	36.0	S191025Y020	300	20	900	60	185	0.82
50.8	65.0	S191050Y020	300	20	900	60	345	1.89

Product Group: DB03

FRAS Air & Water Delivery Hose (A700)

Applications

- Designed to meet the fire-resistant and antistatic requirements of AS 2660 for air and water delivery in underground coal mines. Also suitable for use in heavy-duty compressed air and water applications in a multitude of industries including mining, construction, and general industrial workshops.

Features

- Ozone resistant
- Weather resistant
- Oil mist resistant
- Abrasion resistant
- Mandrel built
- Fire resistant
- Mylar layline & embossed tape line
- Anti-static as per AS 2660 class B
- Electrically conductive reistance <1MΩ/m

Standards

- AS 2660 Class B, EN ISO 2398 Type A

Hose Construction

- Tube: NBR - black
- Cover: chloroprene blend, smooth - black
- Reinforcement: high tensile synthetic textile cords

Temperature

- -30°C to 70°C

Dimensions (mm)		Part Numbers		Pressure				Bend Radius (mm)	Weight (kg/mtr)
				Working		Burst			
ID	OD	Cut Length	Coil 20m	PSI	Bar	PSI	Bar		
9.5	20.0	A700010	A70001020	300	20	1015	70	120	0.43
12.7	23.0	A700012	A70001220	300	20	1015	70	160	0.43
19.1	30.0	A700020	A70002020	300	20	1015	70	150	0.69
25.4	37.0	A700025	A70002520	300	20	1015	70	200	0.72
31.8	46.0	A700032	A70003220	300	20	1015	70	250	1.10
38.1	54.0	A700040	A70004020	300	20	1015	70	300	1.30
50.8	67.0	A700050	A70005020	300	20	1015	70	400	1.90
63.5	79.0	A700065	A70006520	300	20	1015	70	500	2.50
76.2	94.0	A700080	A70008020	300	20	1015	70	800	3.30
101.6	122.0	A700100	A70010020	300	20	1015	70	900	4.60
152.4	175.0	A700150	A70015020	300	20	1015	70	1000	6.10



Product Code: DB10

FRAS Air & Water Delivery Hose Assemblies (A700)

Dimensions (mm)		Part Numbers	Working Pressure		Length (mtr)	Description
ID	OD		PSI	Bar		
25.4	37.0	A70002520FA	300	20	20	Minsup® A-Type couplings with Minsup® claw clamps
31.8	46.0	A70003220FSL	300	20	20	Minsup® Surelock® couplings with Minsup® claw camps
38.1	54.0	A70004020FC	250	17	20	Crimped brass male & female camlocks
50.8	67.0	A70005020FCBR	250	17	20	Crimped brass male & female camlocks
50.8	67.0	A70005020FCSS	250	17	20	Crimped stainless steel male & female camlocks
50.8	67.0	A70005020FSL	300	20	20	Minsup® Surelock® couplings with Minsup® claw clamps
101.6	122.0	A70010005FSHCR	100	7	5	Crimped shouldered stems



Crimped Camlock Ends



Crimped Shouldered Ends

Product Code: DB10

Industrial Hose - Compressed Air (Rubber)

Contractors Yellow Air Hose (A102)

Applications

- Crafted with a smooth yellow non-marking cover to enhance visibility, this cost-effective pneumatic air and water hose is tailored for diverse applications in construction, industrial, and agricultural fields. It's particularly well-suited for heavy-duty air compressor usage, seamlessly supporting a wide range of pneumatic equipment such as portable compressors, jackhammers, breakers, and stampers.

Features

- Ozone resistant
- Weather resistant
- Oil mist resistant
- Abrasion resistant
- Extruded

Hose Construction

- Tube: SBR blend - black
- Cover: SBR blend, smooth - yellow
- Reinforcement - 2 & 4 spiral polyester yarn

Temperature

- -25°C to 75°C



Dimensions (mm)		Part Numbers		Working Pressure		Bend Radius (mm)	Weight (kg/mtr)
ID	OD	Coil 20m	Coil 100m	PSI	Bar		
12.7	21.0	A10201220	A102012100	200	14	100	0.39
19.1	31.0	A10202020	A102020100	200	14	155	0.83
25.4	37.0	A10202025	A102025100	200	14	205	0.92

Product Group: DB43

Contractors Yellow Air Hose - Assembly (A102)

Applications

- Economical general purpose air hose assembly. Abrasive, heat, and ozone resistant. Construction and industrial sites, general maintenance.



Dimensions (mm)		Part Numbers	Working Pressure		Length (mtr)	Description
ID	OD		PSI	Bar		
19.1	31.0	A10202020F	200	14	20	Minsup® A-Type & safety claw clamps
25.4	37.0	A10202520F	200	14	20	Minsup® A-Type & safety claw clamps

Also available with Minsup® Surelock® fittings

Product Group: DB43

Contractors Yellow Air Hose - Whip Hose Assembly (A102)

Applications

- For use on constant vibration pneumatic tools (air drills, pavement breakers, etc.). The heat-treated steel nipple which is connected to the tool withstands vibration and impact for a longer period.
- Connect the other end of the whip hose to the air supply with the quick-acting coupling. The whip hose should remain permanently connected to the tool and should be the same diameter as the supply line hose. Often used in the hire market, construction, road construction, and heavy engineering.



Dimensions (mm)		Part Numbers	Working Pressure		Length (mm)	Description
ID	OD		PSI	Bar		
12.7	21.0	WH15	200	14	600	Minsup® A-Type & safety claw clamps
19.1	31.0	WH20	200	14	600	Minsup® A-Type & safety claw clamps
25.4	37.0	WH25	200	14	600	Minsup® A-Type & safety claw clamps

Also available with Minsup® Surelock® fittings

Product Group: DB43

Hot Air Blower Hose (A340)

Applications

- Designed for conveying hot air with a temperature of up to 180°C from compressors to tanks during the transfer of dry bulk materials, granting a complete discharge of static electricity.

Features

- Ozone resistant
- Weather resistant
- Abrasion resistant
- Oil mist resistant
- Mandrel built
- Mylar layline & embossed tape line

Hose Construction

- Tube: EPDM blend - white
- Cover: EPDM blend, smooth - blue
- Reinforcing: high tensile synthetic textile cords, single wire helix

Temperature

- -40°C to 176°C

Dimensions (mm)		Part Number		Pressures				Bend Radius (mm)	Weight (kg/mtr)
				Working		Burst			
ID	OD	Cut Length	Coil 20m	PSI	Bar	PSI	Bar		
76.2	90.0	A340080	A34008020	150	10	450	30	305	2.75



Product Group: DB11

Air Brake Hose (A103)

Applications

- A high-quality reinforced rubber hose designed to meet the requirements of SAE J1402 A, used specifically for the conveyance of air in truck braking systems.

Features

- Ozone resistant
- Weather resistant
- Pin pricked cover
- Extruded

Standards

- SAE J1402 (Table 1, Type A)

Hose Construction

- Tube: EPDM blend - black
- Cover: EPDM blend, smooth - black
- Reinforcing: polyester yarn

Temperature

- -20°C to 70°C

Dimensions (mm)		Part Numbers		Pressures				Bend Radius (mm)	Weight (kg/mtr)
				Working		Burst			
ID	OD	Cut Length	Spool 152m	PSI	Bar	PSI	Bar		
9.5	19.0	A103010	A103010152	290	20	870	60	75	0.30
12.7	22.0	A103012	A103012152	290	20	870	60	100	0.36



Product Group: DB19

Industrial Hose - Compressed Air (PVC)

Superflex Yellow/Blue Hose (H210)

Applications

- Manufactured with excellent flexibility in high visibility yellow with blue stripe, a premium PVC air and water pressure hose is ideal for use in heavy-duty compressed air and water applications in a multitude of industries, including mining, construction and general industrial workshops.

Features

- UV stabilised
- Abrasion resistant
- Oil mist resistant
- Extruded

Hose Construction

- Tube: PVC - black
- Cover: PVC ribbed with single smooth stripe - yellow with blue stripe
- Reinforcement: polyester yarn

Standards

- Conforms to AS/NZS 2554 Class A

Temperature

- -5°C to 60°C



Dimensions (mm)		Part Numbers		Working Pressure		Bend Radius (mm	Weight (kg/mtr)
ID	OD	Coil 20m	Coil 100m	PSI	Bar		
6.4	12.0	H21006020	H21006100	300	20	75	0.12
7.9	14.0	H21008020	H21008100	300	20	95	0.16
9.5	16.0	H21010020	H21010100	300	20	120	0.18
12.7	19.0	H21012020	H21012100	300	20	150	0.22
19.1	28.0	H21020020	H21020100	300	20	240	0.47
25.4	35.0	H21025020	H21025100	300	20	300	0.65
31.8	43.0	H21032020	-	300	20	385	0.88
38.1	50.5	H21040020	-	300	20	480	1.12
50.8	63.5	H21050020	-	300	20	600	1.60

Product Code: DA28

Superflex Yellow/Blue Hose Assemblies (H210)



Dimensions (mm)		Part Numbers	Working Pressure		Length (mtr)	Description
ID	OD		PSI	Bar		
12.7	19.0	H21012020F	300	20	20	Minsup® A-Type couplings with ring crimp ferrules
25.4	35.0	H21025020F	300	20	20	Minsup® A-Type couplings with band clamps
38.1	50.5	H21040020F	300	20	20	Minsup® Surelock® couplings with band clamps

Product Group: DA28

Safety Yellow Air & Water Delivery Hose (H010)

Applications

- Manufactured with excellent flexibility in high visibility yellow, an economical PVC general-purpose hose, is ideal for use in heavy-duty compressed air and water applications in a multitude of industries including mining, construction and general industrial workshops.

Features

- UV stabilised
- Weather resistant
- Oil mist resistant
- Extruded

Standards

- Conforms to AS/NZS 2554 Class A

Hose Construction

- Tube: PVC - black
- Cover: PVC, ribbed - yellow
- Reinforcement: polyester yarn

Temperature

- -5°C to 60°C

Dimensions (mm)		Part Numbers		Working Pressure		Bend Radius (mm)	Weight (kg/mtr)
ID	OD	Coil 20m	Coil 100m	PSI	Bar		
12.7	19.0	H0101220	H01012100	232	16	150	0.22
19.1	28.0	H0102020	H01020100	232	16	240	0.47
25.4	35.0	H0102520	H01025100	232	16	300	0.65
38.1	50.5	H0104020	-	232	16	480	1.12



Product Code: DA28

Safety Yellow Air & Water Delivery Hose Assemblies (H010)

Dimensions (mm)		Part Numbers	Working Pressure		Length (mtr)	Description
ID	OD		PSI	Bar		
12.7	19.0	H0101220F	232	16	20	Minsup® A-Type couplings with ring crimp ferrules
19.1	28.0	H0102020F	232	16	20	Minsup® A-Type couplings with band clamps
25.4	35.0	H0102520F	232	16	20	Minsup® A-Type couplings with band clamps
38.1	50.5	H0104020F	232	16	20	Minsup® Surelock® couplings with band clamps



Product Group: DA28

Industrial Hose - Compressed Air (PVC)

Blue Air Tool Hose (H030)

Applications

- Tailored for pneumatic air tools, engineered to deliver outstanding flexibility and cost-efficiency. It is also suitable for use with water and mild agricultural chemicals, adding versatility to its functionality. Typically used in industries such as general industrial workshops, agriculture, mining, and construction, providing utility across a broad spectrum of operations.

Features

- UV stabilised
- Oil mist resistant
- Extruded

Hose Construction

- Tube: PVC - white
- Cover: PVC, smooth - blue
- Reinforcement: polyester yarn

Standards

- Conforms to AS/NZS 2554 Class B

Temperature

- -5°C to 60°C



Dimensions (mm)		Part Number		Working Pressure		Bend Radius (mm	Weight (kg/mtr)
ID	OD	Coil 20m	Coil 60m/100m	PSI	Bar		
9.5	16.0	H0301020	H03010100	232	16	120	0.18
12.7	19.0	H0301220	H03012100	232	16	150	0.22

Product Group: DA30

Blue Air Tool Hose Assemblies (H030)



Dimensions (mm)		Part Numbers	Working Pressure		Length (mtr)	Description
ID	OD		PSI	Bar		
9.5	16.0	H0301010F	232	16	10	Nitto compatible plug and socket hose tails with brass ferrules
9.5	16.0	H0301020F	232	16	20	Nitto compatible plug and socket hose tails with brass ferrules
9.5	16.0	H0301030F	232	16	30	Nitto compatible plug and socket hose tails with brass ferrules

Product Group: DA30

Nylon Self Store Hose Assemblies

Applications

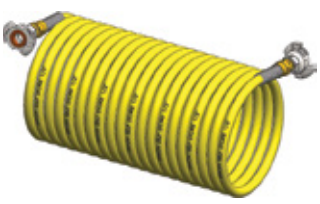
- For use with pneumatic tools and equipment in workshops and manufacturing industries.

Hose Construction

- Tube: PA nylon
- Cover: nylon, smooth - yellow
- Fitted with BSP male ends with spring guards

Temperature

- -40°C to 90°C



Dimensions (mm)		Part Numbers	Working Pressure		Minimum Burst Pressure (PSI)
ID	OD	Cut Length	PSI	Bar	
10	11.5	SSTORE10	175	1.2	700
12	15.0	SSTORE12	175	1.2	700

Product Group: DB19

PVC Nylon 12 Tubing

Applications

- Automotive fuel lines, lubrication lines, vacuum lines, air lines.

Hose Construction

- Tube: PA nylon
- Cover: PA nylon
- Coil length: 100mtrs

Standards

- Material PA12 Shore 65D as per DIN 74324

Temperature

- -40°C to 90°C

Flexible Nylon 12 Tubing - Metric



Dimensions (mm)		Part Numbers		Working Pressure		Burst Pressure (PSI)	Bend Radius (mm	Weight (kg/mtr)
ID	OD	Black	Natural	PSI	Bar			
2.7	4.0	NYM004100	NYM004N100	290	20	1160	20	7.06
3.3	5.0	NYM005100	NYM005N100	290	20	1160	25	11.43
4.0	6.0	NYM006100	NYM006N100	290	20	1160	30	16.20
5.2	8.0	NYM008100	NYM008N100	290	20	1160	40	29.94
6.6	10.0	NYM010100	NYM010N100	290	20	1160	50	45.72
8.0	12.0	NYM012100	NYM012N100	290	20	1160	60	64.80

Product Code: DA02

Flexible Nylon 12 Tubing - Imperial

Dimensions (mm)		Part Numbers		Working Pressure		Burst Pressure (PSI)	Bend Radius (mm	Weight (kg/mtr)
ID	OD	Black	Natural	PSI	Bar			
2.2	⅛	NYI004100	NYI004N100	250	17	1000	20	4.18
3.2	3/16	NYI005100	NYI005N100	250	17	1000	25	10.37
4.3	¼	NYI006100	NYI006N100	250	17	1000	30	17.61
5.5	5/16	NYI008100	NYI008N100	250	17	1000	40	27.34
6.5	⅜	NYI010100	NYI010N100	250	17	1000	50	38.88
8.8	½	NYI012100	NYI012N100	250	17	1000	60	67.92
12.5	⅝	NYI016100	-	250	17	1000	90	78.21
15.0	¾	NYI020100	-	250	17	1000	120	110.16

Product Code: DA02

Semi-Rigid Nylon 12 Tubing - Imperial

Standards

- Material PA 12 Shore 74D as per DIN 73378/74324



Dimensions (mm)		Part Numbers	Working Pressure		Burst Pressure (PSI)	Bend Radius (mm	Weight (kg/mtr)
ID	OD		PSI	Bar			
2.0	⅛	NYS003100	620	43	2500	20	4.18
2.8	3/16	NYS005100	620	43	2500	25	10.37
3.8	¼	NYS006100	620	43	2500	30	17.61
4.7	5/16	NYS008100	620	43	2500	40	27.34
5.7	⅜	NYS010100	620	43	2500	50	38.88
7.7	½	NYS012100	620	43	2500	60	67.92

Product Code: DA02

Industrial Hose - Compressed Air (PVC)

FRAS Air & Water Delivery Hose (H120)

Applications

- Engineered with excellent flexibility and crafted in a high-visibility yellow, this high-quality PVC hose features black carbon strips that connect to the conductive inner tube. Specifically designed for demanding compressed air and water applications, it meets the strict FRAS (Fire Resistance Anti-Static) standards necessary for coal mines.

Features

- UV stabilised
- Abrasion resistant
- Oil mist resistant
- Extruded

Standards

- Conforms to AS 2660 Class A

Hose Construction

- Tube: PVC - black, conductive
- Cover: PVC ribbed with carbon strips - yellow
- Reinforcement: polyester yarn

Temperature

- -5°C to 60°C



Dimensions (mm)		Part Numbers		Working Pressure		Bend Radius (mm	Weight (kg/mtr)
ID	OD	Coil 20m	Coil 60m/100m	PSI	Bar		
9.5	16.0	H1201020	H12010100	300	20	120	0.18
12.7	20.0	H1201220	H12012100	300	20	150	0.22
19.1	28.0	H1202020	H12020100	300	20	240	0.47
25.4	35.0	H1202520	H12025100	300	20	300	0.65
38.1	50.5	H1204020	H12040100	300	20	480	1.12
50.8	63.5	H1205020	-	300	20	600	1.60

Product Code: DA10

FRAS Air & Water Delivery Hose Assemblies (H120)



Minsup® A-Type Ends



Minsup® Surelock® Ends

Dimensions (mm)		Part Numbers	Working Pressure		Length (mtr)	Description
ID	OD		PSI	Bar		
12.7	22	H1201220FA	300	20	20	Minsup® A-Type couplings with Minsup® claw clamps
12.7	22	H1201230FA	300	20	30	Minsup® A-Type couplings with Minsup® claw clamps
25	34	H1202520FA	300	20	20	Minsup® A-Type couplings with Minsup® claw clamps
25	34	H1202530FA	300	20	30	Minsup® A-Type couplings with Minsup® claw clamps
50	63	H1205020F	300	20	20	Minsup® Surelock® couplings with Minsup® claw clamps

Product Group: DA10

Multi-Purpose Non-Conductive Hose (A104)

Applications

- Designed with economy in mind, this high quality non-conductive, multi-purpose, extruded rubber hose is the perfect choice for conveying air, oil, water, kerosene, some chemicals and many other applications where the need for oil resistance is high. The versatility of this hose makes it an excellent choice in a range of applications and industries.

Features

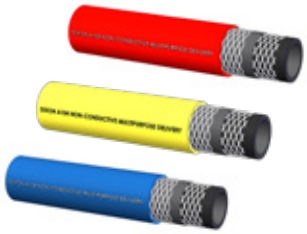
- Red, yellow and blue covers allow for colour coding where cross contamination of media can affect the safe operation of plant equipment
- UV stabilised
- Oil mist resistant
- Non-conductive

Hose Construction

- Tube: NBR blend - black
- Cover: NBR blend - red, yellow or blue
- Reinforcing: polyester yarn

Temperature

- -20°C to 100°C



Hose Specifications (A104)

Dimensions (mm)		Pressures				Bend Radius (mm)	Weight (kg/mtr)
		Working		Burst			
ID	OD	PSI	Bar	PSI	Bar		
6.4	15.9	300	20	1200	80	50	0.29
7.9	17.0	300	20	1200	80	65	0.28
9.5	18.2	300	20	1200	80	75	0.30
12.7	22.0	300	20	1200	80	100	0.40
15.9	26.0	300	20	1200	80	125	0.52
19.1	30.2	300	20	1200	80	155	0.67
25.4	38.0	300	20	1200	80	205	1.00
31.8	45.0	250	17	1000	68	255	1.25
38.1	53.0	250	17	1000	68	305	1.68
50.8	67.0	200	14	800	56	405	2.36

Red

Dimensions (mm)		Part Numbers			
ID	OD	Cut Length	Coil 20m	Coil 30m	Coil 100m
6.4	15.9	A104006	A104006020	-	A104006100
7.9	17.0	A104008	A104008020	-	A104008100
9.5	18.2	A104010	A104010020	-	A104010100
12.7	22.0	A104012	A104012020	-	A104012100
15.9	26.0	A104016	A104016020	-	A104016100
19.1	30.2	A104020	A104020020	-	A104020100
25.4	38.0	A104025	A104025020	-	A104025100
31.8	45.0	A104032	-	A10403230	-
38.1	53.0	A104040	-	A10404030	-
50.8	67.0	A104050	-	A10405030	-



Product Group: DB18

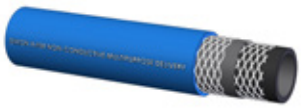
Industrial Hose - Multi-Purpose (Rubber)



Yellow

Dimensions (mm)		Part Numbers		
ID	OD	Cut Length	Coil 20m	Coil 100m
9.5	18.2	A104010YE	A104010YE020	A104010YE100
12.7	22.0	A104012YE	A104012YE020	A104012YE100
19.1	30.2	A104020YE	A104020YE020	A104012YE100
25.4	38.0	A104025YE	A104025YE020	A104025YE100

Product Group: DB18



Blue

Dimensions (mm)		Part Numbers		
ID	OD	Cut Length	Coil 20m	Coil 100m
9.5	18.2	A104010BL	A104010BL020	A104010BL100
12.7	22.0	A104012BL	A104012BL020	A104012BL100
19.1	30.2	A104020BL	A104020BL020	A104020BL100
25.4	38.0	A104025BL	A104025BL100	A104025BL100

Product Group: DB18

General-Purpose Hose (A101)

Applications

- General purpose air/water delivery hose primarily used in industrial, agriculture, and construction markets where oil is not considered a significant factor.

Features

- Abrasion resistant
- Ozone resistant
- Weather resistant
- Oil mist resistant
- Extruded

Hose Construction

- Tube: SBR blend - black
- Cover: SBR blend, smooth - black
- Reinforcing: polyester yarn

Temperature

- -20°C to 70°C



Dimensions (mm)		Part Numbers		Pressures				Bend Radius (mm)	Weight (kg/mtr)
				Working		Burst			
ID	OD	Coil 20m	Coil 100m	PSI	Bar	PSI	Bar		
6.4	13.0	A101006020	A101006100	200	14	696	48	50	0.19
7.9	15.0	A101008020	A101008100	200	14	696	48	65	0.22
9.5	17.2	A101010020	A101010100	200	14	696	48	75	0.30
12.7	22.0	A101012020	A101012100	200	14	696	48	100	0.47
15.9	25.0	A101016020	A101016100	200	14	696	48	125	0.51
19.1	29.4	A101020020	A101020100	200	14	696	48	155	0.65
25.4	36.5	A101025020	A101025100	200	14	696	48	205	0.97

Product Group: DB19

TPR/Food Grade Hose (H020)

Applications

- Manufactured from high-quality PVC, boasting outstanding flexibility, featuring a glass-clear translucent appearance with a hint of blue, ensuring excellent visibility of transferred products. This versatile hose is perfectly suited for a wide range of applications, including the transfer of air, water, food and beverage items, as well as petroleum products. It finds utility across various industries such as food production, mining, construction, general industrial and agricultural sectors. Not suitable as a permanent fuel line.

Features

- UV stabilised
- Abrasion resistant
- Oil mist resistant
- Extruded

Hose Construction

- Tube: PVC - transparent
- Cover: PVC smooth - transparent
- Reinforcement: polyester yarn with red spiral tracer

Temperature

- -5°C to 60°C

Standards

- AS/NZS 2554 Class C

Dimensions (mm)		Part Numbers		Pressures				Bend Radius (mm)	Weight (kg/ mtr)
				Working		Burst			
ID	OD	Coil 20m	Coil 100m	PSI	Bar	PSI	Bar		
6.4	12.0	H02006020	H02006100	232	16	928	64	75	0.12
7.9	14.0	H02008020	H02008100	232	16	928	64	95	0.16
9.5	16.0	H02010020	H02010100	232	16	928	64	120	0.18
12.7	19.0	H02012020	H02012100	232	16	928	64	150	0.22
15.9	24.0	H02016020	H02016100	232	16	928	64	180	0.32
19.1	28.0	H02020020	H02020100	232	16	928	64	240	0.47
25.4	35.0	H02025020	H02025100	232	16	928	64	300	0.65
31.8	43.0	H02032020	H02032100	150	10	600	40	385	0.88
38.1	50.5	H02040020	H02040100	150	10	600	40	480	1.12
50.8	63.5	H02050020	H02050100	150	10	600	40	600	1.60



Product Group: DA01

All Rounder (Chemical, Air & Water) Hose (H140)

Applications

- Designed with outstanding chemical resistance suitable for agricultural chemical spraying, ideal for dispensing weedicide and pesticide. Its versatility extends beyond agriculture to accommodate a multitude of industries, allowing for the handling of air, water, and petroleum-based products with ease.

Features

- UV stabilised
- Oil mist resistant
- Abrasion resistant
- Extruded

Hose Construction

- Tube: PVC/NBR blend - black
- Cover: PVC smooth - blue with yellow stripe
- Reinforcing: polyester yarn

Temperature

- -5°C to 60°C

Dimensions (mm)		Part Numbers		Pressures				Bend Radius (mm)	Weight (kg/ mtr)
				Working		Burst			
ID	OD	Coil 20m	Coil 100m	PSI	Bar	PSI	Bar		
6.4	12.0	H14006020	H14006100	300	20	928	64	75	0.12
7.9	14.0	H14008020	H14008100	300	20	928	64	95	0.16
9.5	16.0	H14010020	H14010100	300	20	928	64	120	0.18
12.7	19.0	H14012020	H14012100	300	20	928	64	150	0.22
19.1	28.0	H14020020	H14020100	300	20	928	64	240	0.47
25.4	35.0	H14025020	H14025100	300	20	928	64	300	0.65



Product Group: DA27

Clear Vinyl Tube - CVT (H160)

Applications

- Manufactured from high-quality materials to AS2070 standards and FDA-approved. This transparent, unreinforced hose offers excellent clarity and flexibility, with a smooth bore that reduces friction loss and residue buildup. It is suitable for low-pressure liquid transfer, and its transparency allows for easy visual identification of blockages or foreign objects. Ideal for sight gauges, drainage, beverage transfer, fish tank/ pond aeration, hardware and numerous other applications.

Features

- Oil mist resistant
- Abrasion resistant
- UV stabilised
- Non-toxic, food grade FDA-approved

Hose Construction

- Tube: PVC non-toxic - transparent/blue tint

Temperature

- -10°C to 60°C

Standards

- AS 2070 for food contact hoses. Meets EEC Directive 90/128 for articles intended for contact with foodstuffs, US FDA 21CFR



Dimensions (mm)		Part Numbers			Working Pressure		Bend Radius (mm)	Weight (kg/mtr)
ID	OD	Coil 15m	Coil 30m	Spool	PSI	Bar		
3.1	5.1	-	H1600330C	-	114	8	n/a	0.02
4.8	7.8	-	H1600530C	H16005100S	87	6	n/a	0.03
6.4	9.4	-	H1600630C	H16006100S	72	5	n/a	0.04
7.9	10.9	-	H1600830C	H16008100S	58	4	n/a	0.05
9.5	12.5	-	H1601030C	H1601075R	58	4	n/a	0.07
12.7	15.7	-	H1601230C	H1601250S	58	3	n/a	0.12
15.9	19.9	-	H1601630C	-	43	3	n/a	0.14
19.1	23.1	-	H1601930C	-	43	3	n/a	0.16
25.4	31.4	-	H1602530C	-	29	2	n/a	0.32
31.8	37.8	-	H1603230C	-	29	2	n/a	0.40
38.1	46.1	H1604015C	-	-	29	2	n/a	0.56
50.8	60.8	H1605015C	-	-	29	2	n/a	1.00

Product Code: DA20





Metalflex Suction Hose (ARM)

Applications

- A lightweight suction and delivery hose, reinforced with a steel helix. Highly flexible with exceptional resistance to kinks, abrasion, and crushing. Perfect for use with vacuum pumps, agricultural machinery, irrigation systems, chemical plants, and for transferring foodstuffs and potable water.

Features

- UV stabilised
- Abrasion resistant
- Non-toxic, food grade FDA-approved

Hose Construction

- Cover: PVC non-toxic - transparent
- Tube: PVC non-toxic, smooth - transparent
- Reinforcement: embedded steel helix

Temperature

-15°C to 60°C

Dimensions (mm)		Part Numbers	Pressures				Vacuum (Bar)	Bend Radius (mm)	Weight (kg/mtr)
			Working		Burst				
ID	OD		PSI	Bar	PSI	Bar			
12.7	17.8	ARM012020	102	7	306	21	0.9	25	0.18
15.9	22.2	ARM016020	87	6	261	18	0.9	35	0.23
19.1	26.3	ARM020020	73	5	219	15	0.9	50	0.34
25.4	33.2	ARM025020	73	5	219	15	0.9	60	0.51
31.8	40.4	ARM032020	57	4	171	12	0.9	75	0.65
35.0	43.6	ARM035020	57	4	171	12	0.9	80	0.73
38.1	47.0	ARM038020	57	4	171	12	0.9	90	0.80
45.0	54.4	ARM045020	43	3	129	9	0.9	105	1.10
50.8	60.2	ARM050020	43	3	129	9	0.8	125	1.20
63.5	75.8	ARM063020	43	3	129	9	0.7	150	1.95
76.2	89.3	ARM080020	29	2	87	6	0.7	220	2.70
101.6	116.0	ARM100020	29	2	87	6	0.6	300	3.40
152.4	169.0	ARM150020	29	2	60	5	0.5	460	6.35



Product Code: DA14

Value Add **Service**

Dixon offer a range of value add services for all your engineering needs, including:

- **Hose Assemblies**
  At Dixon Asia Pacific, we specialise in the construction of hose assemblies that can be fitted, tested and tagged with the ability to crimp hose up to 12". Our hose assemblies adhere to the applicable NAHAD or Australian standard, ensuring full compliance. Operating hose centres in Adelaide, Perth, and Sydney, Dixon are committed to delivering quality and compliant hose solutions to their valued customers. As part of our quality assurance, our training programs and procedures strictly adhere to ISO9001 standards.
- **Testing**
  We offer complete pressure testing including pneumatic, hydrostatic and destructive testing. Metrology including continuity testing. All work is performed using calibrated equipment to ensure the highest standard of work.
- **Machining Services**
  Manual lathe and milling.
- **Metal Polishing & Passivation**
  Mechanical polishing, electro polishing, chemical treatment and sand blasting.
- **Assembly Work**
  Crimping hose assemblies up to 12".
- **Welding Services**
  MIG, TIG, braze and purge weld a range of different materials including stainless steel, steel, aluminium and brass.
- **Fabrication Work**
  Customised pipework and fittings to suit a range of industries including sanitary, marine, mining and many more.

Industrial Hose - Hydrocarbon (Rubber)

Petrol & Oil Delivery Hose (A450)

Applications

- Specially designed for the transfer of petroleum/oil products with a maximum of 50% aromatic content. Typically used on tank trucks and in general industrial applications. Suitable for use in some reeling applications.

Features

- Ozone resistant
- Weather resistant
- Abrasion resistant
- Oil mist resistant
- Mandrel built
- Antistatic copper wire

Hose Construction

- Tube: NBR - black
- Cover: SBR/EPDM blend - black
- Reinforcement: high tensile synthetic textile cords

Temperature

- -35°C to 80°C



Dimensions (mm)		Part Numbers		Pressures				Bend Radius (mm)	Weight (kg/mtr)
				Working		Burst			
ID	OD	Cut Length	Coil 20m	PSI	Bar	PSI	Bar		
19.1	30.0	A450020	A45002020	150	10	450	30	240	0.62
25.4	37.0	A450025	A45002520	150	10	450	30	300	0.82
31.8	44.0	A450032	A45003220	150	10	450	30	385	1.05
38.1	51.0	A450040	A45004020	150	10	450	30	455	1.29
50.8	64.0	A450050	A45005020	150	10	450	30	610	1.64
63.5	75.0	A450065	A45006520	150	10	450	30	760	1.76
76.2	90.0	A450080	A45008020	150	10	450	30	910	2.47

Product Code: DB20

Fuel Reeling Delivery Hose (A453)

Applications

- Specially designed for the transfer of petroleum/oil products with a maximum of 50% aromatic content. Typically used on tank trucks and in reeling applications requiring compliance with EN1360 Type 1 and AS2683 Type 4.

Features

- Resistant to ozone & weather
- Abrasion resistant
- Oil mist resistant
- Mandrel built
- Conductive tube & cover

Hose Construction

- Tube: NBR conductive - black
- Cover: CR conductive, smooth - black
- Reinforcement: high tensile synthetic textile cords

Temperature

- -30°C to 70°C



Dimensions (mm)		Part Numbers		Pressures				Bend Radius (mm)	Weight (kg/mtr)
				Working		Burst			
ID	OD	Coil 30m	Coil 60m	PSI	Bar	PSI	Bar		
25.4	36.0	A45302530	A45302560	232	16	696	48	150	0.74
31.8	44.0	A45303230	A45303260	232	16	696	48	175	1.10
38.1	51.0	A45303830	A45303860	232	16	696	48	225	1.24
50.8	67.0	A45305030	A45305060	232	16	696	48	350	1.64

Product Code: DB20

Petrol & Oil Suction/Delivery Hose (A430)

Applications

- Specially designed for the transfer of petroleum/oil products with a maximum of 50% aromatic content, typically used on tank trucks and in general industrial applications for both suction and delivery. Also suitable for use as hydraulic oil return lines and for marine wet exhaust and bilge pump connections.

Features

- Ozone resistant
- Weather resistant
- Abrasion resistant
- Fuel/oil resistant up to 50% aromatic content
- Mandrel built
- Antistatic copper wire

Hose Construction

- Tube: NBR - black
- Cover: SBR/EPDM blend, smooth - black
- Reinforcement: high tensile synthetic textile cords with double wire helix, antistatic copper wire

Temperature

- -35°C to 80°C

Dimensions (mm)		Part Numbers		Pressures			Vacuum (Bar)	Bend Radius (mm)	Weight (kg/mtr)
				Working		Burst			
ID	OD	Cut Length	Coil 20m	PSI	Bar	PSI			
19.1	30.0	A430020	A430020020	150	10	450	0.93	80	0.68
22.0	32.0	A430022	A430022020	150	10	450	0.93	90	0.70
25.4	37.0	A430025	A430025020	150	10	450	0.93	105	0.75
31.8	46.0	A430032	A430032020	150	10	450	0.93	135	1.12
35.0	46.5	A430035	A430035020	150	10	450	0.93	150	1.26
38.1	49.0	A430040	A430040020	150	10	450	0.93	165	1.32
42.0	54.0	A430042	A430042020	150	10	450	0.93	195	1.47
45.0	57.0	A430045	A430045020	150	10	450	0.93	205	1.56
48.0	62.0	A430048	A430048020	150	10	450	0.93	215	1.84
50.8	63.0	A430050	A430050020	150	10	450	0.93	230	1.75
55.0	68.0	A430055	A430055020	150	10	450	0.93	250	2.02
60.0	73.0	A430060	A430060020	150	10	450	0.93	275	2.19
63.5	76.0	A430065	A430065020	150	10	450	0.93	290	2.42
70.0	83.0	A430070	A430070020	150	10	450	0.93	330	2.71
76.2	89.0	A430080	A430080020	150	10	450	0.93	360	2.92
90.0	105.0	A430090	A430090020	150	10	450	0.93	440	3.68
102.0	118.0	A430100	A430100020	150	10	450	0.93	510	4.90



Product Code: DB20

Fuel Hose (A115)

Applications

- A high quality reinforced rubber hose designed to meet the requirements of SAE 30R7, suitable for a range of applications such as flexible fuel lines, PCV connections, emission control lines, or fuel return lines. Compatible with fuels contaning a maximum of 50% aromatic content including leaded and unleaded gasoline, diesel fuel, and gasoline blends of ethanol (E-10).

Features

- Ozone resistant
- Weather resistant
- Oil resistant
- Extruded

Hose Construction

- Tube: NBR - black
- Cover: NBR blend, smooth - black
- Reinforcing: polyester yarn

Temperature

- -20°C to 70°C

Dimensions (mm)		Part Numbers	Pressures				Bend Radius (mm)	Weight (kg/mtr)
			Working		Burst			
ID	OD		PSI	Bar	PSI	Bar		
4.8	11.0	A11505	100	7	400	28	40	0.12
6.4	13.0	A11506	100	7	400	28	50	0.15
7.9	15.0	A11508	100	7	400	28	65	0.19
9.5	17.0	A11510	100	7	400	28	75	0.23
12.7	20.0	A11512	100	7	400	28	100	0.28



Product Group: DB13

Fuel Bowser Hose (A420)

Applications

- Designed in compliance with EN1360 Type 3 and UL 330, this product is specifically intended for dispensing a variety of petroleum and fuel oils, including regular and premium gasoline and diesel.

Features

- Ozone resistant
- Weather resistant
- Abrasion resistant
- Flame, fuel, and oil resistant
- Tested for -54°C in accordance with UL 330

Hose Construction

- Tube: NBR blend - black
- Cover: synthetic rubber, smooth - black
- Reinforcement: high tensile steel wire braid

Standards

- EN1360 Type 3, UL 330

Temperature

- -54°C to 85°C



Dimensions (mm)		Part Numbers		Pressures				Bend Radius (mm)	Weight (kg/mtr)
				Working		Burst			
ID	OD	Cut Length	Coil 20m	PSI	Bar	PSI	Bar		
15.9	25.4	A420020	A42002020	232	16	696	48	89	0.58
19.1	28.6	A420025	A42002520	232	16	696	48	89	0.66
25.4	34.9	A420032	A42003220	232	16	696	48	89	0.82

Product Code: DB13

Dual-Grip® Reattachable Couplings for Bowser Hose

Applications

- Two-piece re-attachable coupling made of chrome-plated brass for pump hose. A worn portion of the hose can be removed and Dubl-Grip® can be applied. Easy assembly - the hose is held in position by the sleeve as the body is threaded home. Only a wrench is required to assemble the Dubl-Grip®. Caution - reattach static wire if required.

Design

- The streamlined design prevents damage to the hose and fits smartly on new pump equipment
- Wide, flat surfaces of body threads protect the inside of the hose from breaking
- Tapered surfaces of sleeve and body cradle hose, prevent one-point strain from flexing
- The hose is gripped on its full circumference in two places, ensuring a rigid leakproof connection

Working Pressure

- 300 PSI



Size			Part Numbers
Hose ID (mm)	NPT Male (inch)	Hose OD (mm)	
15.9	¾	25.4	850212
19.1	¾	28.6	850451
25.4	1"	34.9	850841

Product Code: AU05

Drum Pump Hose (H110)

Applications

- Manufactured from high-quality PVC featuring excellent flexibility and durability, designed specifically for dispensing fuel and oil from overhead tanks and drums.

Features

- UV stabilised
- Abrasion resistant
- Extruded

Hose Construction

- Tube: PVC - black
- Cover: PVC smooth - black
- Reinforcement: polyester yarn

Temperature

- -5°C to 60°C

Dimensions (mm)		Part Numbers	Pressures				Bend Radius (mm)	Weight (kg/mtr)
			Working		Burst			
ID	OD		PSI	Bar	PSI	Bar		
25.4	34.0	H1102520	150	10	600	40	155	035
31.8	42.0	H1103220	150	10	600	40	320	0.90



Product Code: DA09

Petrol & Oil Suction/Delivery Hose (AUSBHD)

Applications

Heavy-duty suction and delivery of oils, oil slurry, grease, diesel fuel, light chemicals and lubricants. Particularly suited for liquid waste transfer, grease trap and septic tank cleaning applications.

Features

- UV stabilised
- Abrasion resistant
- Oil resistant
- High impact resistance
- Extruded

Hose Construction

- Tube: PVC/NBR blend - blue
- Cover: PVC/NBR blend, smooth - blue
- Reinforcing: Embedded rigid PVC helix - blue

Temperature

- -40°C to 65°C

Dimensions (mm)		Part Numbers		Working Pressure		Vacuum (bar)	Bend Radius (mm)	Weight (kg/ mtr)
ID	OD	Cut Length	Coil 20m	PSI	Bar			
25.4	31.5	-	AUS025BHD020	90	6	1.0	75	0.39
31.8	39.1	-	AUS032BHD020	80	6	1.0	105	0.51
38.1	46.2	-	AUS040BHD020	75	5	1.0	155	0.65
50.8	60.7	AUS050BHD	AUS050BHD020	75	5	1.0	205	1.10
63.5	74.4	AUS065BHD	AUS065BHD020	75	5	1.0	255	1.50
76.2	87.1	AUS076BHD	AUS076BHD020	60	4	1.0	305	1.80
101.6	115.1	AUS100BHD	AUS100BHD020	50	4	1.0	380	3.00
152.4	169.4	AUS150BHD	AUS150BHD020	30	2	1.0	635	5.51



Product Code: DA12

Industrial Hose - Water & Non-Corrosive Liquids (Rubber)

Water Delivery Hose (A200)

Applications

- Delivery hose for water and non-corrosive liquids. Used in construction, mining and general dewatering applications.

Features

- Ozone resistant
- Weather resistant
- Abrasion resistant
- Mandrel built
- Mylar layline & embossed tape line

Hose Construction

- Tube: SBR - black
- Cover: SBR/EPDM blend, smooth - black
- Reinforcement: high tensile synthetic textile cords with single wire helix

Temperature

- -30°C to 80°C



Dimensions (mm)		Part Numbers		Pressures				Bend Radius (mm)	Weight (kg/mtr)
				Working		Burst			
ID	OD	Cut Length	Coil 20m	PSI	Bar	PSI	Bar		
12.7	21.0	A200012	A20001220	150	10	435	30	127	0.32
19.1	27.0	A200020	A20002020	150	10	435	30	190	0.45
25.4	33.0	A200025	A20002520	150	10	435	30	255	0.54
31.8	41.0	A200032	A20003220	150	10	435	30	320	0.79
38.1	47.0	A200040	A20004020	150	10	435	30	380	0.93
50.8	60.0	A200050	A20005020	150	10	435	30	510	1.14
58.0	69.0	A200058	A20005820	150	10	435	30	590	1.35
63.5	74.0	A200065	A20006520	150	10	435	30	635	1.67
76.2	87.0	A200080	A20008020	150	10	435	30	760	2.07
90.0	102.0	A200090	A20009020	150	10	435	30	761	2.66
101.6	114.0	A200100	A20010020	150	10	435	30	1015	2.87
127.0	140.0	A200125	A20012520	150	10	435	30	1270	3.82
152.4	164.0	A200150	A20015020	150	10	435	30	1525	4.21
203.2	216.0	A200200	A20020020	150	10	435	30	n/a	6.03

Product Code: DB20

Water Delivery Hose Assemblies (A200)



Dimensions (mm)		Part Numbers	Working Pressure		Length (mtr)	Description
ID	OD		PSI	Bar		
50.8	60.0	A20005020F	150	10	20	Minsup® Surelock® couplings with two bolt clamps
101.6	114.0	A20010005F	150	10	5	Aluminium camlock coupler/adaptor with double bolt clamps
101.6	114.0	A20010010F	150	10	10	Aluminium camlock coupler/adaptor with double bolt clamps
101.6	114.0	A20010020F	150	10	20	Aluminium camlock couplers with stainless steel t-bolt clamps

Product Group: DB20

Water Suction/Delivery Hose (A210)

Applications

- Water and light slurry suction and delivery hose used in construction, mining, dewatering, irrigation, and municipal applications.

Features

- Ozone resistant
- Weather resistant
- Oil mist resistant
- Abrasion resistant
- Mandrel built

Hose Construction

- Tube: SBR - black
- Cover: SBR/EPDM blend, smooth - black
- Reinforcement: high tensile synthetic textile cords and steel wire helix

Temperature

- -30°C to 80°C



Dimensions (mm)		Part Numbers		Pressures				Vacuum (Bar)	Bend Radius (mm)	Weight (kg/mtr)
				Working		Burst				
ID	OD	Cut Length	Coil 20m	PSI	Bar	PSI	Bar			
19.1	28.0	A210020	A21002020	150	10	435	30	0.9	70	0.58
25.4	34.0	A210025	A21002520	150	10	435	30	0.9	95	0.70
31.8	42.0	A210032	A21003220	150	10	435	30	0.9	125	1.00
38.1	48.0	A210038	A21003820	150	10	435	30	0.9	150	1.23
50.8	62.0	A210050	A21005020	150	10	435	30	0.9	215	1.70
63.5	75.0	A210065	A21006520	150	10	435	30	0.9	280	2.17
76.2	89.0	A210080	A21008020	150	10	435	30	0.9	350	3.01
90.0	105.0	A210090	A21009020	150	10	435	30	0.9	440	4.00
101.6	115.0	A210100	A21010020	150	10	435	30	0.9	490	4.27
127.0	142.0	A210125	A21012520	150	10	435	30	0.9	650	5.87
152.4	168.0	A210150	A21015020	150	10	435	30	0.9	760	7.68
203.2	222.0	A210200	A21020020	150	10	435	30	0.9	1120	12.33
254.0	275.0	A210250	A210250010	150	10	435	30	0.9	1525	17.74

Product Code: DB16

Water Suction/Delivery Hose (A210)

Dimensions (mm)		Part Numbers	Length (mtr)	Pressures				Bend Radius (mm)	Vacuum (Bar)	Weight (kg/mtr)
				Working		Burst				
ID	OD			PSI	Bar	PSI	Bar			
152.4	168.0	A210150L3	3	150	10	435	30	760	0.9	7.68
152.4	166.0	A210200L3	3	150	10	435	30	1120	0.9	12.33

Product Code: DB17

Water Suction/Delivery Hose Assemblies (A210)



Dimensions (mm)		Part Numbers	Working Pressure		Length (mtr)	Description
ID	OD		PSI	Bar		
50.8	62.0	A2100502F	150	10	2	Aluminium camlock coupler/adaptor with double bolt clamps
50.8	62.0	A210050020FSKC	150	10	20	Minsup® Surelock® couplings with crimped ferrule
101.6	115.0	A210100F	150	10	6	Bauer male and female spigot with closure ring crimped
152.4	168.0	A210150F	150	10	3	Bauer male and female spigot with closure ring crimped
203.2	222.0	A210200F	150	10	3	Bauer male and female spigot with closure ring crimped

Product Group: DB16

Industrial Hose - Water & Non-Corrosive Liquids (Rubber)

Water Contractors Suction Hose (A214)

Applications

- Delivery hose for water and non-corrosive liquids. Used in construction, mining and general dewatering applications.

Features

- Ozone resistant
- Weather resistant
- Abrasion resistant
- Oil mist resistant
- Mandrel built

Hose Construction

- Tube: SBR - black
- Cover: SBR/EPDM blend - black
- Reinforcement: high tensile synthetic textile cords, single wire helix

Temperature

- -30°C to 80°C



Dimensions (mm)		Part Numbers		Working Pressure		Vacuum (Bar)	Bend Radius (mm)	Weight (kg/mtr)
ID	OD	Cut Length	Coil 20m	PSI	Bar			
76.2	87.0	A214080	A214750020	75	5	0.8	305	2.68
101.6	115.0	A214100	A214100020	75	5	0.8	500	3.59
127.0	142.0	A214125	A214125020	75	5	0.8	750	5.61
152.4	168.0	A214150	A214150020	75	5	0.8	960	7.04
203.2	225.0	A214200	A214200020	75	5	0.8	1200	9.24

Product Code: DB17

Water Contractors Suction Hose (A214) Cuffed



Dimensions (mm)		Part Numbers	Length (mtr)	Working Pressure		Vacuum (Bar)	Bend Radius (mm)	Weight (kg/mtr)
ID	OD			PSI	Bar			
101.6	115.0	A214100L6	6	75	5	0.8	500	3.59
127.0	142.0	A214150L3	3	75	5	0.8	750	5.61
152.4	168.0	A214200L3	3	75	5	0.8	960	7.04

Product Code: DB17

Water Contractors Suction Hose Assembly (A214) Cuffed



Dimensions (mm)		Part Numbers	Length (mtr)	Description
ID	OD			
101.6	115.0	A214075F	6	Bauer male and female spigot with closure ring
127.0	142.0	A214100F	6	Bauer male and female spigot with closure ring
152.4	168.0	A214150F	3	Bauer male and female spigot with closure ring
203.2	225.0	A214200F	3	Bauer male and female spigot with closure ring

Product Group: DB17

FRAS Air & Water Delivery Hose (A710)

Applications

- Designed to meet the fire-resistant and anti-static (FRAS) requirements of AS 2660 for air and water suction and discharge in underground coal mines. Also suitable for use as a water and light slurry suction and delivery hose in construction, mining, dewatering, irrigation, and municipal applications.

Features

- Ozone resistant
- Weather resistant
- Abrasion resistant
- Mandrel built

Hose Construction

- Tube: NBR blend - black
- Cover: chloroprene blend - black
- Reinforcement: high tensile synthetic textile cords and steel wire helix

Temperature

- -30°C to 70°C

Dimensions (mm)		Part Numbers		Pressures				Vacuum (Bar)	Bend Radius (mm)	Weight (kg/mtr)
				Working		Burst				
ID	OD	Cut Length	Coil 20m	PSI	Bar	PSI	Bar			
38.1	48.0	A710040	A71004020	150	10	450	30	0.93	150	1.22
50.8	63.0	A710050	A71005020	150	10	450	30	0.93	215	1.95
63.5	75.0	A710065	A71006520	150	10	450	30	0.93	280	2.31
76.2	89.0	A710080	A71008020	150	10	450	30	0.93	350	2.99
101.6	116.0	A710100	A71010020	150	10	450	30	0.93	490	4.15
152.4	168.0	A710150	A71015020	150	10	450	30	0.93	760	8.53

Product Group: DB10



FRAS Air & Water Delivery Hose Assemblies (A710)

Dimensions (mm)		Part Numbers	Length (mtr)	Description
ID	OD			
50.8	63.0	A71005002FC	2	Aluminium camlock coupler/adaptor with crimp ferrules
50.8	63.0	A71005003FCB	3	Brass camlock coupler/adaptor with t-bolt clamps
50.8	63.0	A71005003FCBR	3	Brass camlock coupler/adaptor with crimp ferrules
50.8	63.0	A71005003FCSS	3	Stainless steel camlock coupler/adaptor with crimp ferrules
50.8	63.0	A71005005FC	5	Aluminium camlock coupler/adaptor with crimp ferrules
50.8	63.0	A71005005FCBR	5	Brass camlock coupler/adaptor with crimp ferrules
50.8	63.0	A71005005FCSS	5	Stainless steel camlock coupler/adaptor with crimp ferrules
76.2	89.0	A71008002FC	2	Aluminium camlock coupler/adaptor with crimp ferrules
76.2	89.0	A71008003FC	3	Aluminium camlock coupler/adaptor with crimp ferrules
76.2	89.0	A71008005FC	5	Aluminium camlock coupler/adaptor with crimp ferrules
76.2	89.0	A71008020FC	20	Aluminium camlock coupler/adaptor with crimp ferrules
152.4	168.0	A710150X3FSH	3	Shouldered with crimp ferrules

Product Group: DB10



Crimped Camlock Ends

Industrial Hose - Water & Non-Corrosive Liquids (PVC)

White Washdown Delivery Hose (H060)

Applications

- Designed with superior flexibility and crafted from premium PVC, this hose is specifically tailored for low-pressure, cold-water delivery, making it an ideal choice for washdown purposes. In settings such as dairies, abattoirs, and marine environments. It also serves exceptionally well for general watering tasks in parks, sports fields, and gardens.

Features

- UV stabilised
- Abrasion resistant
- Extruded

Hose Construction

- Tube: PVC - blue
- Cover: PVC smooth - white
- Reinforcement: polyester yarn

Temperature

- -5°C to 60°C



Dimensions (mm)		Part Numbers		Pressures				Bend Radius (mm)	Weight (kg/mtr)
				Working		Burst			
ID	OD	Coil 20m	Coil 100m	PSI	Bar	PSI	Bar		
12.7	19.0	H0601220	H06012100	150	10	600	40	150	0.22
19.1	27.0	H0602020	H06020100	150	10	600	40	240	0.41
25.4	34.0	H0602520	H06025100	150	10	600	40	300	0.56
31.8	43.0	H0603220	H06032100	150	10	600	40	380	0.90
38.1	50.5	H0604020	H06040100	150	10	600	40	480	1.00

Product Code: DA05

Fire Reel Hose (H080)

Applications

- Designed with excellent flexibility, UV resistance, and self-extinguishing capabilities, this product is manufactured in accordance with AS/NZS 1221:1997 standards, specifically tailored for utilisation on fire reels.

Features

- UV stabilised
- Abrasion resistant
- Self extinguishing properties

Standards

- Conforms to AS/NZS 1221:1997

Hose Construction

- Tube: PVC - black
- Cover: PVC ribbed - black
- Reinforcement: polyester yarn

Temperature

- -5°C to 60°C



Dimensions (mm)		Part Numbers			Working Pressure		Bend Radius (mm)	Weight (kg/mtr)
ID	OD	Coil 20m	Coil 36m	Coil 100m	PSI	Bar		
19.1	26.0	H0802020	H0802036	H08020100	145	10	228	0.37
25.4	33.0	H0802520	H0802536	H08025100	145	10	300	0.55

Product Group: DA06

Premium Garden Delivery Hose (H134)

Applications

- This premium-quality garden hose is manufactured in accordance with AS 2620 standards, offering excellent flexibility and superior kink resistance for easy handling, even in low temperatures. It is i deal for water delivery in various domestic and municipal applications.

Features

- UV stabilised
- Abrasion resistant
- Extruded

Standards

- Conforms to AS 2620

Hose Construction

- Tube: PVC - black
- Cover: PVC, smooth - black
- Reinforcement: polyester yarn

Temperature

- -5°C to 60°C

Dimensions (mm)		Part Numbers			Working Pressure		Vacuum (Bar)	Bend Radius (mm)	Weight (kg/mtr)
ID	OD	Coil 18m	Coil 30m	Coil 100m	PSI	Bar			
12.0	17.0	H1341218	H1341230	H13412100	175	12	n/a	144	0.16
18.0	23.0	H1341818	H1341830	H13418100	175	12	n/a	216	0.24

Product Group: DA22



Heavy-Duty Garden Delivery Hose (H135)

Applications

- This heavy-duty garden hose is manufactured in accordance with AS 2620 standards, offering good flexibility and kink resistance for easy handling, even in low temperatures. It is ideal for water delivery in various domestic and municipal applications.

Features

- UV stabilised
- Abrasion resistant
- Extruded

Standards

- Conforms to AS 2620

Hose Construction

- Tube: PVC - black
- Cover: PVC, smooth - green translucent
- Reinforcement: polyester yarn

Temperature

- -5°C to 60°C

Dimensions (mm)		Part Numbers			Working Pressure		Vacuum (Bar)	Bend Radius (mm)	Weight (kg/mtr)
ID	OD	Coil 18m	Coil 30m	Coil 100m	PSI	Bar			
12.0	16.0	H1351218	H1351230	H13512100	100	7	n/a	144	0.16
18.0	22.0	H1351218	H1351230	H13512100	100	7	n/a	216	0.24
24.0	29.0	H1341818	H1341830	H13418100	100	7	n/a	288	0.45

Product Group: DA21



Heavy-Duty Garden Delivery Hose Assemblies (H135)

Dimensions (mm)		Part Numbers	Working Pressure		Length (mtr)	Description
ID	OD		PSI	Bar		
12.0	16.0	H1351218F	100	7	18	Garden hose with fittings and nozzle
12.0	16.0	H13501230F	100	7	30	Garden hose with fittings and nozzle

Product Group: DA21



Industrial Hose - Water & Non-Corrosive Liquids (PVC)

Heavy-Duty Premium Grey Suction (AUSG)

Applications

- A water and light slurry suction and delivery hose used in construction, mining, agricultural, irrigation, and municipal applications.

Features

- UV stabilised
- Abrasion resistant
- Extruded
- Food Grade

Hose Construction

- Tube: smooth PVC - grey
- Cover: smooth PVC - grey
- Reinforcement: rigid PVC embedded helix, white

Temperature

- -20°C to 60°C



Dimensions (mm)		Part Numbers		Working Pressure		Vacuum (Bar)	Bend Radius (mm)	Weight (kg/mtr)
ID	OD	Coil 20m	Coil 100m	PSI	Bar			
25.4	31.5	AUS025G	AUS025G020	90	6.0	1.0	75	0.39
31.8	39.1	AUS032G	AUS032G020	80	5.5	1.0	105	0.51
38.1	46.2	AUS038G	AUS038G020	75	5.0	1.0	155	0.65
50.8	60.7	AUS050G	AUS050G020	75	5.0	1.0	205	1.10
63.5	74.4	AUS065G	AUS065G020	75	5.0	1.0	255	1.50
76.2	87.1	AUS076G	AUS076G020	60	4.0	1.0	305	1.80
101.6	115.1	AUS100G	AUS100G020	50	3.5	1.0	380	3.00
127.0	141.0	AUS125G	AUS125G020	35	2.5	1.0	560	3.93
152.4	169.4	AUS150G	AUS150G020	30	2.0	1.0	635	5.51

Product Code: DA17

Light Weight Water Suction/Discharge Hose (MAR)

Applications

- Designed with a smooth bore to reduce friction loss and build-up of residue, this lightweight suction and discharge hose is well suited for use with bilge pumps and pond pumps. Its versatility sees it commonly used as a waste water hose for caravans and RV's, a lightweight air seeder hose, ducting for dust extraction and a low voltage cable conduit.

Features

- UV stabilised
- Abrasion resistant
- Non-toxic
- Extruded

Hose Construction

- Tube: PVC - black
- Cover: PVC corrugated - black
- Reinforcement: PVC embedded rigid helix - black

Temperature

- -5°C to 60°C



Dimensions (mm)		Part Numbers	Pressures				Vacuum (Bar)	Bend Radius (mm)	Weight (kg/mtr)
			Working		Burst				
ID	OD	Coil 20m	PSI	Bar	PSI	Bar			
19.1	24.0	MAR02020	30	2	90	6	0.4	90	0.16
25.4	31.0	MAR02520	30	2	90	6	0.4	95	0.22
28.0	34.0	MAR02820	30	2	90	6	0.4	105	0.25
31.8	37.0	MAR03220	30	2	90	6	0.4	115	0.28
38.1	45.0	MAR03820	30	2	90	6	0.4	140	0.34
50.8	59.0	MAR05020	30	2	90	6	0.4	180	0.55
76.2	86.0	MAR07520	30	2	90	6	0.4	220	0.78

Product Group: DA17

Medium Duty Blue Layflat (LFAB)

Applications

- Designed for medium-duty applications for the transfer of water and other non-corrosive liquids on building sites, in mining applications and for general civil, construction, irrigation and drainage operations.

Features

- Ozone resistant
- Weather resistant
- Abrasion resistant
- Extruded

Hose Construction

- Tube: PVC - blue
- Cover: PVC - blue
- Reinforcement: polyester yarn

Temperature

- -10°C to 60°C



Dimensions (mm)		Part Numbers		Pressures				Weight (kg/mtr)
				Working		Burst		
ID	OD	Cut Length	Coil 100m	PSI	Bar	PSI	Bar	
25.4	28.6	LFAB025	LFAB025100	102	7	319	22	0.16
31.8	35.0	LFAB032	LFAB032100	94	7	290	20	0.18
38.1	41.3	LFAB038	LFAB038100	80	6	247	17	0.20
50.8	54.0	LFAB050	LFAB050100	73	5	203	16	0.28
63.5	66.7	LFAB065	LFAB065100	73	5	203	16	0.36
76.2	79.4	LFAB080	LFAB080100	58	4	189	13	0.42
101.6	104.8	LFAB100	LFAB100100	58	4	189	13	0.61
127.0	130.2	LFAB125	LFAB125100	36	3	116	8	0.96
152.4	156.8	LFAB150	LFAB150100	36	3	116	8	1.20
203.2	207.6	LFAB200	LFAB200100	29	2	87	6	1.85

Product Code: DA33

Heavy-Duty Red Layflat (LFAR)

Applications

- Designed for heavy-duty applications for the transfer of water and other non-corrosive liquids on building sites, in mining applications and for general civil, construction, irrigation and drainage operations.

Features

- Ozone resistant
- Weather resistant
- Abrasion resistant
- Extruded

Hose Construction

- Tube: PVC - red
- Cover: PVC - red
- Reinforcement: polyester yarn

Temperature

- -10°C to 60°C



Dimensions (mm)		Part Numbers		Pressures				Weight (kg/mtr)
				Working		Burst		
ID	OD	Cut Length	Coil 100m	PSI	Bar	PSI	Bar	
38.1	42.1	LFAR038	LFAR038100	150	10	450	30	0.30
50.8	54.8	LFAR050	LFAR050100	150	10	450	30	0.42
63.5	67.5	LFAR065	LFAR065100	150	10	450	30	0.55
76.2	80.2	LFAR080	LFAR080100	125	9	375	26	0.66
101.6	106.6	LFAR100	LFAR100100	125	9	375	26	1.00
152.4	157.8	LFAR150	LFAR150100	102	7	306	21	1.65
203.2	210.0	LFAR200	LFAR200100	73	5	219	15	2.20

Product Code: DA33

Rubber Black Layflat (ORO)

Applications

- Manufactured from high-quality rubber alloy, this product is designed and recommended for water transfer and general pumping tasks in irrigation, mining, construction, sewage, drainage systems, water bypass systems, fertiliser distribution and as a cable cover.

Features

- Ozone resistant
- Weather resistant
- Abrasion resistant
- Extruded

Hose Construction

- Tube: NBR/PVC blend - black
- Cover: NBR/PVC blend, smooth - black
- Reinforcing: polyester yarn

Temperature

- -20°C to 80°C



Dimensions (mm)		Part Numbers		Pressures				Vacuum (bar)	Bend Radius (mm)	Weight (kg/mtr)
				Working		Burst				
ID	OD	Cut Length	Coil 100m	PSI	Bar	PSI	Bar			
38.1	41.9	ORO038	ORO038100	200	14	600	42	n/a	n/a	0.30
50.8	54.6	ORO050	ORO050100	200	14	600	42	n/a	n/a	0.40
76.2	80.8	ORO075	ORO075100	175	12	525	36	n/a	n/a	0.46
101.6	106.2	ORO100	ORO100100	175	12	525	36	n/a	n/a	0.62
152.4	157.8	ORO150	ORO150100	175	12	525	36	n/a	n/a	1.08
203.2	210.0	ORO200	ORO200100	145	10	435	30	n/a	n/a	2.75

Product Code: DA38

Rubber Layflat (ART)

Applications

- Manufactured in accordance with BS 6391:2009 Type 3 from high quality Rubber alloy, designed and recommended for firefighting, especially in municipal fire departments, petrochemical and power plants, navies and other industrial services.

Features

- Ozone resistant
- Weather resistant
- Abrasion resistant
- Extruded

Hose Construction

- Tube: NBR/PVC - black
- Cover: NBR/PVC - red
- Reinforcement: polyester yarn

Temperature

- -20°C to 80°C

Standards

- BS 6391:2009 Type 3



Dimensions (mm)		Part Numbers	Pressures				Vacuum (bar)	Bend Radius (mm)	Weight (kg/mtr)
			Working		Burst				
ID	OD	Cut Length	PSI	Bar	PSI	Bar			
25.4	29.2	ART025	580	40	1740	120	n/a	n/a	0.21
38.1	42.1	ART038	300	20	900	40	n/a	n/a	0.32
50.8	55.2	ART050	250	17	750	52	n/a	n/a	0.47
63.5	67.9	ART065	250	17	750	52	n/a	n/a	0.55

Product Code: DA36

Fire Hose Layflat (EXT)

Applications

- Manufactured from a closely woven polyester fibre with an internal rubber lining this is recommended for industrial and domestic fire protection.

Features

- Polyester cover - white
- Internal rubber lining combined with external closely woven polyester fibre
- Fully extruded rubber which internally and externally protects the jacket
- Non-percolating

Standards

- BS 6391:2009 Type 3

Size (mm) ID	Part Numbers	Length (mtr)
38.1	EXT-3830LF16	30
63.5	EXT-6430LF16	30

Product Code: FP04



Fire Hose Layflat Assemblies (EXT)

Features

- Polyester cover in red or white
- Aluminium BI male and female couplings
- Non-percolating

Standards

- BS 6391:2009 Type 3

Size (mm) ID	Part Numbers	Length (mtr)
38.1	EXT-3830LF-16K	30
63.5	EXT-6430LF-16K	30

Product Code: FP04



Muff Coupling Hose (A800)

Applications

- Heavy-duty material handling hose, suitable to handle pressure or suction in the transfer of bulk, slurry, cement and abrasive products; specially designed for very severe applications (mines, tunnels, etc), hose can be supplied with muff couplings.

Features

- Abrasion resistant
- Ozone resistant
- Weather resistant
- UV stabilised
- Oil mist resistant

Hose Construction

- Tube: smooth NR/SBR - black
- Cover: SBR/EPDM blend, smooth - black
- Reinforcing: high tensile synthetic textile cords, single wire helix

Temperature

- -30°C to 70°C



Dimensions (mm)		Part Numbers		Pressures				Bend Radius (mm)	Weight (kg/mtr)
				Working		Burst			
ID	OD	Cut Length	Coil 20m	PSI	Bar	PSI	Bar		
50.8	71.0	A800050	A80005020	150	10	435	30	356	3.50
76.2	103.0	A800080	A80008020	150	10	435	30	533	5.30
101.6	129.0	A800100	A80010020	150	10	435	30	711	7.10
127.0	156.0	A800125	A80012520	150	10	435	30	889	8.90
152.4	182.0	A800150	A80015020	150	10	435	30	1067	10.70
203.2	235.0	A800200	A80020020	150	10	435	30	1421	14.20
254.0	286.0	A800250	A80025010	150	10	435	30	1778	21.00
304.8	345.0	A800300	A80030010	150	10	435	30	2135	30.00

Product Code: DB39



Muff Couplings - Table D/E

Dimensions (mm)		Part Numbers		Working Pressure		Total Length (mm)
Size	Hose OD	Aluminium	Cast Iron	PSI	bar	
50.8	69-71	MCA050	MCC051	101	7	96
76.2	102-104	MCA075	MCC076	101	7	112
101.6	125-129	MCA100	MCC101	101	7	160
127.0	152-157	MCA125	MCC126	101	7	174
152.4	180-238	MCA150	MCC150	101	7	190
203.2	234-238	MCA200	MCC201	101	7	245
254.0	284-290	MCA250	MCC251	101	7	295
304.8	343-349	MCA300	MCC301	101	7	342

Product Code: AC07

R.C. - Reverse Cycle Sampling Hose (A550)

Applications

- Designed to withstand highly abrasive material at high pressure and elevated temperatures. Specifically designed for use on reverse circulation drilling equipment for mineral recovery in sampling operations.

Features

- Ozone resistant
- Weather resistant
- Oil mist resistant
- Abrasion resistance < 50 mm³ (ISO 4649/A)
- Mylar layline & embossed tape line

Hose Construction

- Tube: smooth NBR - black
- Cover: smooth SBR/NR blend - black with yellow stripe
- Reinforcing: 4 ply synthetic cord with wire helix

Temperature

- -40°C to 100°C, with intermittent peaks of 120°C

Dimensions (mm)		Part Numbers		Working Pressure		Vacuum (Bar)	Bend Radius (mm)	Weight (kg/mtr)
ID	OD	Cut Length	Coil 20m	PSI	Bar			
50.8	77.0	A550050	A55005020	500	35	0.9	300	3.00
63.5	91.0	A550065	A55006520	500	35	0.9	325	4.00
76.2	105.0	A550080	A55008020	500	35	0.9	450	4.85
101.6	134.0	A550100	A55010020	500	35	0.9	600	7.30



Product Group: DB38

Dry Bulk Hose (A360)

Applications

- A versatile delivery hose, equipped with a highly abrasion-resistant anti-static tube and cover, designed for discharging abrasive bulk materials like cement, sand, and gravel, well-suited for conveying granulated materials. Designed to be rolled flat for easy transport and storage.

Features

- Weather resistant
- Ozone resistant
- High abrasion resistant
- Antistatic
- Layflat
- Mandrel built

Hose Construction

- Tube: NR/SBR blend - black
- Cover: NR/SBR blend, smooth - black
- Reinforcing: high tensile synthetic cords

Temperature

- -40°C to 70°C

Dimensions (mm)		Part Number	Pressures				Bend Radius (mm)	Weight (kg/mtr)
			Working		Burst			
ID	OD		PSI	Bar	PSI	Bar		
101.6	116.0	A360100	75	5	225	15	n/a	2.85



Product Group: DB37

Heavy-Duty Material Handling Hose (A810)

Applications

- Manufactured from top-quality heavy red rubber compound renowned for its exceptional abrasion resistance, this hose boasts remarkable flexibility, rendering it ideal for efficiently extracting and transporting highly abrasive substances like stones, sand, gravel, powdered materials, sludge, and more. Primarily employed alongside vacuum trucks in hose reel "cassette" setups, it also excels in boom applications.

Features

- Abrasion resistant
- Ozone resistant
- Weather resistant
- UV stabilised
- Oil mist resistant

Hose Construction

- Tube: Hevea ABR rubber - red
- Cover: SBR/EPDM blend, corrugated - black
- Reinforcing: high tensile synthetic textile cords, single wire helix

Temperature

- -35°C to 80°C



Dimensions (mm)		Part Numbers		Pressures				Bend Radius (mm)	Weight (kg/mtr)
				Working		Burst			
ID	OD	Cut Length	Coil 20m	PSI	Bar	PSI	Bar		
101.6	116.0	A810100	A81010020	45	3	135	9	400	3.25
127.0	141.0	A810125	A81012520	45	3	135	9	540	4.60
152.4	166.0	A810150	A81015020	45	3	135	9	690	6.30
203.2	217.0	A810200[1]	A81020020[1]	45	3	135	9	1000	9.60

[1]Available in 6.5mtr length

Product Code: DB39

Black Spiral Heavy-Duty ABR Suction Hose (AUSKAR)

Applications

- Manufactured with a high carbon content SBR blended tube which offers static dissipative properties and outstanding abrasion resistance. Designed to be lightweight with a corrugated outer cover for high flexibility and a smooth bore to reduce friction loss and build-up of residue. Perfect for vacuum truck applications as well as handling sands, rocks, grains, cement powders, iron chips, and other abrasive materials.

Features

- Lightweight & flexible
- High abrasion resistance
- Extruded

Hose Construction

- Tube: SBR blend - black
- Cover: SBR blend, corrugated - black
- Reinforcing: PVC embedded rigid helix

Temperature

- -40°C to 60°C



Dimensions (mm)		Part Numbers	Working Pressure		Vacuum (Bar)	Bend Radius (mm)	Weight (kg/mtr)
ID	OD	Coil 30m	PSI	Bar			
50.8	59.8	AUS050KAR030	40	3	1.0	65	0.75
63.5	74.5	AUS065KAR030	35	2	1.0	65	1.30
76.2	88.8	AUS080KAR030	35	2	1.0	75	1.63
101.6	117.6	AUS100KAR030	30	2	1.0	115	2.63
127.0	143.0	AUS125KAR030	30	2	1.0	125	3.67
152.4	171.0	AUS150KAR030	30	2	1.0	230	4.70

Product Code: DB30

Green Spiral ABR Suction Hose (AUSGAR)

Applications

- Manufactured from a Specially Compounded Rubber, designed to be lightweight with exposed rigid plastic helix for easy drag and a smooth bore to reduce friction loss and build up of residue. With excellent resitance to chemicals and oil making it perfect for vacuum truck applications for liquid waste, septic, sludge handling, chemical, dry material and grain transfer.

Features

- High abrasion resistance
- Ozone resistant
- Weather resistant
- Extruded

Hose Construction

- Tube: EPDM blend - black
- Reinforcing: PVC exposed rigid helix - green

Temperature

- -40°C to +60°C

Dimensions (mm)		Part Numbers	Pressures			Vacuum (Bar)	Bend Radius (mm)	Weight (kg/mtr)
			Working		Burst			
ID	OD	Coil 30m	PSI	Bar	PSI			
38.1	42.1	AUS038GAR030	50	4	100	1.0	75	0.65
50.8	63.4	AUS050GAR030	50	4	100	1.0	125	1.10
63.5	79.6	AUS065GAR030	50	4	100	1.0	140	1.50
76.2	93.4	AUS080GAR030	43	3	86	1.0	180	1.80
101.6	118.0	AUS100GAR030	38	3	76	0.9	280	2.90



Product Group: DB30

Yellow Sprial ABR PVC Delivery Hose (AUSYTAR)

Applications

- A robust suction and discharge hose well suited for use in harsh environments. Especially well suited for use with abrasive slurries, waste and many chemicals in vacuum truck applications.

Features

- High abrasion resistant
- Ozone resistant
- Weather resistant
- Extruded

Hose Construction

- Tube: PVC/NBR blend - Black
- Cover: black and yellow
- Reinforcing: exposed rigid PVC helix - yellow

Temperature

- -5°C to +60°C

Dimensions (mm)		Part Numbers	Pressures				Vacuum (Bar)	Bend Radius (mm)	Weight (kg/mtr)
			Working		Burst				
ID	OD	Coil 20m	PSI	Bar	PSI	Bar			
50.8	63.4	AUS050YTAR020	73	5.0	146	10.0	1.0	350	1.10
63.5	79.6	AUS065YTAR020	58	4.0	116	8.0	1.0	380	1.50
76.2	93.4	AUS076YTAR020	58	4.0	116	8.0	1.0	400	1.80
101.6	118.0	AUS100YTAR020	43	3.0	86	6.0	1.0	600	2.90



Product Group: DA12

Food & Beverage Delivery Hose (A605)

Applications

- Flexible discharge hose suitable for the transfer of alcoholic beverages containing up to 36% alcohol content including beer and wine, also suitable for a variety of other beverages and food products, including soft drinks, fruit juices, and potable water.

Features

- Food grade FDA approved
- Abrasion resistant
- Weather resistant
- Ozone resistant
- Mylar layline & embossed tape line
- Tube resistant to 36% alcohol content
- Mandrel built

Hose Construction

- Tube: NR food grade - white
- Cover: EPDM blend, smooth (wrapped finish) - red
- Reinforcement: high tensile synthetic textile cords

Temperature

- -40°C to 95°C
- Steam cleaning without pressure up to 130°C/max. 30 min.



Dimensions (mm)		Part Numbers		Pressures				Bend Radius (mm)	Weight (kg/mtr)
				Working		Burst			
ID	OD	Cut Length	Coil 20m	PSI	Bar	PSI	Bar		
25.4	37.0	A605025	A60502520	150	10	450	30	150	0.55
38.1	50.0	A605040	A60504020	150	10	450	30	300	1.65
50.8	64.0	A605050	A60505020	150	10	450	30	350	1.70
76.2	90.0	A605080	A60508020	150	10	450	30	450	3.40
101.6	117.0	A605100	A60510020	150	10	450	30	650	4.90

Product Code: DB14

Food & Beverage Suction/Delivery Hose (A621R)

Applications

- Flexible suction and discharge hose suitable for the transfer of alcoholic beverages containing up to 36% alcohol content including beer and wine, also suitable for a variety of other beverages and food products, including soft drinks, fruit juices, and potable water.

Features

- Food grade FDA approved
- Abrasion resistant
- Weather resistant
- Ozone resistant
- Mylar layline & embossed tape line
- Tube resistant to 36% alcohol content
- Mandrel built

Hose Construction

- Tube: NR food grade - white
- Cover: EPDM blend, smooth (wrapped finish) - red
- Reinforcement: high tensile synthetic textile cords with single wire helix

Temperature

- -40°C to 95°C
- Steam cleaning without pressure up to 130°C/max. 30 min.



Dimensions (mm)		Part Numbers		Pressures				Bend Radius (mm)	Weight (kg/mtr)
				Working		Burst			
ID	OD	Cut Length	Coil 20m	PSI	Bar	PSI	Bar		
25.4	37.0	A621R025	A621R025020	150	10	450	30	150	0.75
31.8	44.0	A621R032	A621R032020	150	10	450	30	225	1.00
38.1	52.0	A621R040	A621R040020	150	10	450	30	300	1.35
50.8	65.0	A621R050	A621R050020	150	10	450	30	350	1.85
63.5	79.0	A621R065	A621R065020	150	10	450	30	400	2.88
76.2	93.0	A621R080	A621R080020	150	10	450	30	450	3.39
101.6	120.0	A621R100	A621R100020	150	10	450	30	650	4.91

Product Code: DB14

Food, Milk & Beverage Suction/Delivery Hose (A635)

Applications

- Highly flexible spiral-reinforced hose designed for managing the transportation and transfer of milk, loading and unloading tankers, dairy unloading bays and equipment within processing and filling facilities. This versatile hose is also suitable for conveying alcoholic beverages containing up to 36% alcohol content including beer, wine and cider, along with a variety of additional liquid food products, including soft drinks, fruit juices, and potable water.

Features

- Food grade FDA approved
- Abrasion resistant
- Weather resistant
- Ozone resistant
- Mandrel built

Hose Construction

- Tube: NR food grade - white
- Cover: NR blend, smooth (wrapped finish) - blue
- Reinforcement: high tensile synthetic textile cords, with double embedded steel wire helix

Temperature

- -40°C to 95°C
- Steam cleaning without pressure up to 130°C/max. 30 min.

Dimensions (mm)		Part Numbers		Pressures			Vacuum (Bar)	Bend Radius (mm)	Weight (kg/mtr)
				Working		Burst			
ID	OD	Cut Length	Coil 20m	PSI	Bar	PSI			
19.1	30.0	A635020	A635020020	90	6	270	0.9	50	0.65
25.4	36.0	A635025	A635025020	90	6	270	0.9	50	0.70
31.8	43.0	A635032	A635032020	90	6	270	0.9	65	0.80
38.1	49.0	A635040	A635040020	90	6	270	0.9	80	1.20
50.8	63.0	A635050	A635050020	90	6	270	0.9	105	1.80
63.5	75.0	A635065	A635065020	90	6	270	0.9	130	2.20
76.2	90.0	A635080	A635080020	90	6	270	0.9	155	3.10
101.6	115.0	A635100	A635100020	90	6	270	0.9	350	3.70



Product Code: DB36

Food & Beverage Suction/Delivery Hose (A625)

Applications

- Premium quality flexible suction and discharge hose featuring a crush-resistant PE helix and high-temperature resistant Chlorobutyl rubber tube, ideal for the transfer of beverages containing up to 96% alcohol content including beer and wine, also suitable for many other beverages and foodstuffs including soft drinks, fruit juices and potable water.

Features

- Food grade FDA approved
- Crush resistant PET helix
- Abrasion resistant
- Weather & ozone resistant
- Mandrel built

Hose Construction

- Tube: IIR Butyl food grade - white
- Cover: smooth (wrapped finish) EPDM blend - red
- Reinforcement: high tensile synthetic textile cords, embedded PET helix

Temperature

- -40°C to 120°C
- Steam cleaning without pressure up to 140°C/max. 30 min.

Dimensions (mm)		Part Numbers		Pressures			Vacuum (Bar)	Bend Radius (mm)	Weight (kg/mtr)
				Working		Burst			
ID	OD	Cut Length	Coil 20m	PSI	Bar	PSI			
25.4	37.0	A625025	A625025020	150	10	450	0.9	115	0.90
31.8	44.0	A625032	A625032020	150	10	450	0.9	145	1.19
38.1	52.0	A625040	A625040020	150	10	450	0.9	180	1.57
50.8	65.0	A625050	A625050020	150	10	450	0.9	245	1.91
63.5	79.5	A625065	A625065020	150	10	450	0.9	310	2.82
76.2	93.0	A625080	A625080020	150	10	450	0.9	390	3.45
101.6	120.0	A625100	A625100020	150	10	450	0.9	555	4.89



Product Code: DB36

Industrial Hose - Food & Beverage (PVC)

TPR/Food Grade Delivery Hose (H020)

Applications

- Manufactured from high-quality PVC, boasting outstanding flexibility, featuring a glass-clear translucent appearance with a hint of blue, ensuring excellent visibility of transferred products. This versatile hose is perfectly suited for a wide range of applications, including the transfer of air, water, food and beverage items, as well as petroleum products. It finds utility across various industries such as food production, mining, construction, general industrial and agricultural sectors. Not suitable as a permanent fuel line.

Features

- UV stabilised
- Abrasion resistant
- Oil mist resistant
- Extruded

Hose Construction

- Tube: PVC - transparent
- Cover: PVC smooth - transparent
- Reinforcement: polyester yarn with red spiral tracer

Standards

- AS/NZS 2554 Class C

Temperature

- -5°C to 60°C



Dimensions (mm)				Pressures				Vacuum (Bar)	Bend Radius (mm)	Weight (kg/mtr)
				Working		Burst				
ID	OD	Coil 20m	Coil 100m	PSI	Bar	PSI	Bar			
6.4	12.0	H02006020	H02006100	232	16	928	64	n/a	75	0.12
7.9	14.0	H02008020	H02008100	232	16	928	64	n/a	95	0.16
9.5	16.0	H02010020	H02010100	232	16	928	64	n/a	120	0.18
12.7	19.0	H02012020	H02012100	232	16	928	64	n/a	150	0.22
15.9	24.0	H02016020	H02016100	232	16	928	64	n/a	180	0.32
19.1	28.0	H02020020	H02020100	232	16	928	64	n/a	240	0.47
25.4	35.0	H02025020	H02025100	232	16	928	64	n/a	300	0.65
31.8	43.0	H02032020	H02032100	150	10	600	40	n/a	385	0.88
38.1	50.5	H02040020	H02040100	150	10	600	40	n/a	480	1.12
50.8	63.5	H02050020	H02050100	150	10	600	40	n/a	600	1.60

Product Group: DA01

Wine & Beverage Heavy-Duty Suction Hose (AUSFB)

Applications

- Heavy-duty suction and delivery hose predominately for wine, beer and spirits up to 15% alcohol content. Also suitable for other liquids including water, soda, juice and syrup handling. Can be used to transfer dry foodstuffs.

Features

- Food grade FDA approved
- Abrasion resistant
- Non-toxic
- UV stabilised

Hose Construction

- Tube: PVC non-toxic - transparent
- Cover: PVC non-toxic, smooth - transparent
- Reinforcement: PVC embedded rigid helix - red

Temperature

- -20°C to 60°C

Standards

- Conforms to AS 2070 for food contact hoses. Meets EEC directive 90/128 for articles intended for contact with foodstuffs, US FDS 21CFR



Dimensions (mm)		Part Numbers		Pressures			Vacuum (Bar)	Bend Radius (mm)	Weight (kg/mtr)
				Working		Burst			
ID	OD	Cut Length	Coil 20m	PSI	Bar	PSI			
25.4	31.5	AUS025FB	AUS025FB020	90	6.0	260	18.0	75	0.39
31.8	39.1	AUS032FB	AUS032FB020	80	5.5	240	16.5	105	0.51
38.1	46.2	AUS040FB	AUS040FB020	75	5.0	220	15.0	155	0.65
50.8	60.7	AUS050FB	AUS050FB020	75	5.0	220	15.0	205	1.10
63.5	74.4	AUS065FB	AUS065FB020	75	5.0	220	15.0	255	1.50
76.2	87.1	AUS080FB	AUS080FB020	60	4.0	180	12.0	305	1.80
101.6	115.1	AUS100FB	AUS100FB020	50	3.5	150	10.5	380	3.00

Product Code: DA24

Wine & Beverage Suction/Delivery VACPRES Hose (AUSFBSD)

Applications

- A heavy-duty suction and delivery hose, reinforced with a polyester braid for enhanced pressure resistance and a steel helix. Primarily designed for transferring wine, beer, and spirits with up to 15% alcohol content. Also suitable for handling other liquids such as water, soda, juice, and syrup.

Features

- Food grade FDA approved
- Abrasion resistant
- Non-toxic
- UV stabilised

Standards

- Conforms to AS 2070 for food contact hoses. Meets EEC Directive 90/128 for articles intended for contact with foodstuffs, US FDA 21CFR

Hose Construction

- Tube: PVC non-toxic - transparent
- Cover: PVC non-toxic, smooth - transparent
- Reinforcement: polyester braid, embedded steel helix

Temperature

- -15°C to 60°C

Dimensions (mm)		Part Numbers	Pressures			Vacuum (Bar)	Bend Radius (mm)	Weight (kg/mtr)
			Working		Burst			
ID	OD	Coil 20m	PSI	Bar	PSI			
19.1	27.5	AUS020FBSD20	145	10	420	0.9	85	0.42
25.4	36.2	AUS025FBSD20	145	10	420	0.9	90	0.68
31.8	42.2	AUS032FBSD20	145	10	420	0.9	110	0.80
38.1	53.0	AUS040FBSD20	145	10	420	0.9	140	1.20
50.8	63.6	AUS050FBSD20	145	10	420	0.9	170	1.60



Product Code: DA26

Hose **Assemblies**

Providing a full range of **made-to-order hose assemblies** that are **tested and certified**, as well as couplings, clamps, and ferrules for a **fully integrated and safe assembly.**

Industrial Hose - Steam & Hot Water (Rubber)

Hot Water Washdown (A225)

Applications

- Designed specifically for delivery of hot water for washdown applications in food processing facilities, packing houses, bottling plants, breweries and dairies where FDA hose compliance is required.

Features

- Ozone resistant
- Weather resistant
- Abrasion resistant

Hose Construction

- Tube: NBR - white
- Cover: smooth NBR - white
- Reinforcement: polyester yarn

Temperature

- -20°C to 90°C



Dimensions (mm)		Part Numbers			Pressures				Bend Radius (mm)	Weight (kg/mtr)
					Working		Burst			
ID	OD	Cut Length	Coil 20m	Coil 100m	PSI	Bar	PSI	Bar		
12.7	21.9	A225012	A225012020	A225012100	300	20	900	60	100	0.47
19.1	30.2	A225020	A225012020	A225020100	300	20	900	60	155	0.65
25.4	38.0	A225025	A225012520	A225025100	300	20	900	60	205	0.97

Product Code: DB29

FDA Hot Water Washdown (A226)

Applications

- Designed specifically for delivery of hot water for washdown applications in food processing facilities, packing houses, bottling plants, breweries and dairies.

Features

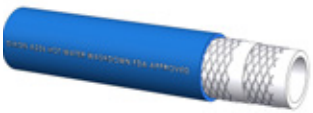
- Ozone resistant
- Weather resistant
- Abrasion resistant
- FDA approved food grade compound

Hose Construction

- Tube: NBR - white
- Cover: smooth NBR - blue
- Reinforcement: polyester yarn

Temperature

- -20°C to 90°C



Dimensions (mm)		Part Numbers			Pressures				Bend Radius (mm)	Weight (kg/mtr)
					Working		Burst			
ID	OD	Cut Length	Coil 20m	Coil 120m	PSI	Bar	PSI	Bar		
12.7	21.9	A226012	A226012020	A226012120	300	20	900	60	100	0.47
19.1	30.2	A226020	A226012020	A226020120	300	20	900	60	155	0.65
25.4	38.0	A226025	A226012520	A226025120	300	20	900	60	205	0.97

Product Code: DB29

Steel Wire Reinforced Steam (A230)

Applications

- Steel cord delivery hose suitable for conveying high-pressure saturated steam and hot water. Used in refineries, shipyards, chemical plants, steel mills, foundries and general industrial applications.

Features

- Resistant to saturated steam
- Abrasion resistant
- Weather resistant
- Ozone resistant
- Mandrel built

Hose Construction

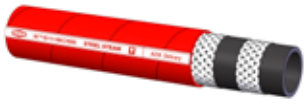
- Tube: EPDM blend - black
- Cover: EPDM blend, smooth (wrapped finish) - red
- Reinforcement: steel plies or braid

Temperature

- -40°C to 210°C, peaks up to +232°C (saturated steam)
- -40°C to 120°C (hot water)

Dimensions (mm)		Part Numbers		Pressures				Bend Radius (mm)	Weight (kg/mtr)
				Working		Burst			
ID	OD	Cut Length	Coil 20m	PSI	Bar	PSI	Bar		
12.7	25.0	A230012	A23001220	270	18	2611	180	120	0.50
19.1	31.0	A230020	A23002020	270	18	2611	180	185	0.75
25.4	37.0	A230025	A23002520	270	18	2611	180	240	0.91
31.8	46.0	A230032	A23003220	270	18	2611	180	330	1.33
38.1	52.0	A230040	A23004020	270	18	2611	180	390	1.60
50.8	67.0	A230050	A23005020	270	18	2611	180	530	2.20
63.5	81.0	A230065	A23006520	270	18	2611	180	640	3.40
76.2	94.0	A230080	A23008020	270	18	2611	180	750	4.50
101.6	124.0	A230100	A23010020	270	18	2611	180	920	6.99

Product Code: DB35



Fabric Reinforced Steam - FDA (A236)

Applications

- Constructed using quality FDA-approved materials, this hose is designed for conveying low-pressure saturated steam and delivering hot water for washdown applications in FDA-compliant environments such as food processing facilities, packing houses, bottling plants, breweries, and dairies.

Features

- Resistant to saturated steam
- Abrasion resistant
- Weather resistant
- Ozone resistant
- Mylar layline & embossed tape line
- Mandrel built

Temperature

- -40°C to 170°C

Hose Construction

- Tube: EPDM - white
- Cover: EPDM blend, smooth (wrapped finish) - blue
- Reinforcement: high tensile synthetic textile cords

Temperature

- -40°C to 170°C

Standards

- FDA title 21 art.177.2600 (e) for liquid foods, BfR, KTW, PHTHALATE free

Dimensions (mm)		Part Numbers		Pressures				Bend Radius (mm)	Weight (kg/mtr)
				Working		Burst			
ID	OD	Cut Length	Coil 20m	PSI	Bar	PSI	Bar		
12.7	24.0	A236012	A236012020	100	7	1015	70	81	0.48
19.1	31.0	A236020	A236020020	100	7	1015	70	136	0.71
25.4	37.0	A236025	A236025020	100	7	1015	70	171	0.85

Product Code: DB35



Industrial Hose - Steam & Hot Water (Rubber)

Straight Radiator Hose (A112)

Applications

- Manufactured specifically for the transfer of hot water and anti-freeze/anti-boil solutions in cooling systems.

Features

- Ozone resistant
- Weather resistant
- Abrasion resistant
- Mylar layline & embossed tape line
- Mandrel built

Hose Construction

- Tube: EPDM blend - black
- Cover: EPDM blend smooth - black
- Reinforcement: high tensile synthetic textile cords

Temperature

- -40°C to 100°C



Dimensions (mm)		Part Numbers	Pressures				Bend Radius (mm)	Weight (kg/mtr)
			Working		Burst			
ID	OD	Cut Length	PSI	Bar	PSI	Bar		
19.1	29.0	A11219	75	5	217	15	155	0.52
22.2	32.0	A11222	75	5	217	15	180	0.58
25.4	35.0	A11225	75	5	217	15	205	0.63
28.6	38.0	A11229	75	5	217	15	230	0.68
31.8	44.0	A11232	75	5	217	15	255	1.01
34.9	48.0	A11235	75	5	217	15	280	1.19
38.1	51.0	A11238	75	5	217	15	305	1.25
41.3	54.0	A11241	75	5	217	15	330	1.35
44.5	57.0	A11244	75	5	217	15	355	1.38
47.6	60.0	A11248	75	5	217	15	380	1.46
50.8	63.0	A11251	75	5	217	15	405	1.52
54.0	67.0	A11254	75	5	217	15	430	1.72
57.2	70.0	A11257	75	5	217	15	460	1.79
60.3	73.0	A11260	75	5	217	15	480	1.85
63.5	76.0	A11263	75	5	217	15	510	1.90
66.7	79.0	A11267	75	5	217	15	535	1.96
69.9	82.0	A11270	75	5	217	15	560	2.02
73.0	86.0	A11273	75	5	217	15	585	2.23
76.2	89.0	A11276	75	5	217	15	610	2.31

Product Code: DB01

Extra High-Pressure Hot Water Wash Hose (PW206)

Applications

- An exceptionally durable, steel-braided delivery hose designed for maximum flexibility, lightweight handling, and ease of use. Specifically engineered for conveying high-temperature, high-pressure hot water, cold water, and detergent solutions, it is ideal for use with heavy-duty, high-pressure cleaning equipment.

Features

- Ozone resistant
- Weather resistant
- Hot water and detergent resistant
- Abrasion resistant
- Oil resistant
- Extruded

Hose Construction

- Tube: synthetic rubber - black
- Cover: synthetic rubber, smooth - blue
- Reinforcing: high tensile synthetic steel wires

Temperature

- -40°C to 150°C



Dimensions (mm)		Part Number	Pressures			Bend Radius (mm)	Weight (kg/mtr)
			Working		Burst		
ID	OD		PSI	Bar	PSI		
9.5	18.0	PW206	5800	40	29000	160	0.53

Product Code: AX01

UHMW Chemical/Food Suction/Delivery (A410)

Applications

- Multipurpose hose suitable for suction and delivery applications, manufactured with an FDA Approved UHMWPE liner providing excellent resistance to a majority of chemicals including acids, alkalis, salts, chlorinated hydrocarbons and oxidising acids. Also ideal for the transfer of beverages containing up to 96% alcohol content including beer and wine, along with many other beverages and foodstuffs including soft drinks, fruit juices and potable water.

Features

- Ozone resistant
- Weather resistant
- Abrasion resistant
- Low friction coefficient tube
- Tube resistant to 96% alcohol content
- Mandrel built

Hose Construction

- Tube: UHMWPE - transparent/white
- Cover: smooth EPDM blend - blue
- Reinforcement: high tensile synthetic textile cords, double wire helix, with antistatic copper wire

Temperature

- -40°C to 100°C
- Steam cleaning without pressure up to 130°C /max. 30 min.

Standards

- FDA title 21 art.177.2600 (e) for liquid foods, BfR, KTW, PHTHALATE free

Dimensions (mm)		Part Numbers		Pressures			Vacuum (Bar)	Bend Radius (mm)	Weight (kg/mtr)
				Working		Burst			
ID	OD	Cut Length	Coil 20m	PSI	Bar	PSI			
19.1	31.0	A410020	A41002020	150	10	600	40	90	0.75
25.4	37.0	A410025	A41002520	150	10	600	40	120	0.90
31.8	44.0	A410032	A41003220	150	10	600	40	150	1.10
38.1	50.0	A410040	A41004020	150	10	600	40	180	1.45
50.8	65.0	A410050	A41005020	150	10	600	40	250	1.85
63.5	77.0	A410065	A41006520	150	10	600	40	320	2.45
76.2	90.0	A410080	A41008020	150	10	600	40	400	3.05
101.6	117.0	A410100	A41010020	150	10	600	40	550	4.45



Product Code: DB12

UHMW Chemcial/Food Suction/Delivery (A416)

Applications

- Multipurpose hose suitable for suction and delivery applications, manufactured with an FDA Approved UHMWPE liner providing excellent resistance to a majority of chemicals including acids, alkalis, salts, chlorinated hydrocarbons and oxidising acids. Also ideal for the transfer of beverages containing up to 96% alcohol content including beer and wine, along with many other beverages and foodstuffs including soft drinks, fruit juices and potable water.

Features

- Ozone and weather resistant
- Abrasion resistant
- Low friction coefficient tube
- Tube resistant to 96% alcohol content
- Mandrel built

Hose Construction

- Tube: UHMWPE, FDA approved - transparent/white
- Cover: smooth EPDM blend - blue
- Reinforcement: high tensile synthetic textile cords, double wire helix, with antistatic copper with

Temperature

- -40°C to 100°C
- Steam cleaning without pressure up to 130°C /max. 30 min.

Standards

- FDA title 21 art.177.2600 (e) for liquid foods, BfR, KTW, PHTHALATE free

Dimensions (mm)		Part Numbers		Pressures			Vacuum (Bar)	Bend Radius (mm)	Weight (kg/mtr)
				Working		Burst			
ID	OD	Cut Length	Coil 20m	PSI	Bar	PSI			
25.4	37.0	A416025	A416025020	240	16	960	64	80	0.75
31.8	44.0	A416032	A416032020	240	16	960	64	90	0.85
38.1	52.0	A416040	A416040020	240	16	960	64	105	1.00
50.8	65.0	A416050	A416050020	240	16	960	64	130	1.35
63.5	80.0	A416065	A416065020	240	16	960	64	160	2.00
76.2	93.0	A416080	A416080020	240	16	960	64	205	2.40
101.6	120.0	A416100	A416100020	240	16	960	64	280	3.35



Product Code: DB12

Agricultural Spray - High-pressure (H040)

Applications

- Designed with outstanding chemical resistance specifically for high-pressure agricultural chemical spraying, ideal for dispensing weedicides and pesticides. Its versatility extends beyond agriculture to accommodate a multitude of industries, allowing for the handling of air, water, and petroleum-based products with ease.

Features

- Abrasion resistant
- UV stabilisied
- Oil mist resistant
- Extruded

Hose Construction

- Tube: PVC/NBR blend - yellow
- Cover: PVC smooth - black
- Reinforcement: polyester braid

Temperature

- -5°C to 60°C



Dimensions (mm)		Part Numbers		Pressures				Bend Radius (mm)	Weight (kg/mtr)
				Working		Burst			
ID	OD	Coil 20m	Coil 100m	PSI	Bar	PSI	Bar		
7.9	15.0	H0400820	H04008100	600	40	2400	160	85	0.18
9.5	16.0	H0401020	H04010100	600	40	2400	160	100	0.19
12.7	21.0	H0401220	H04012100	600	40	2400	160	125	0.38
19.1	30.0	H0402020	H04020100	600	40	2400	160	200	0.67
25.4	36.0	H0402520	H04025100	600	40	1600	110	250	0.86

Product Code: DA29

All Rounder (Chemical, Air & Water) Hose (H140)

Applications

- Designed with outstanding chemical resistance suitable for agricultural chemical spraying, ideal for dispensing weedicide and pesticide. Its versatility extends beyond agriculture to accommodate a multitude of industries, allowing for the handling of air, water, and petroleum-based products with ease.

Features

- UV stabilised
- Oil mist resistant
- Abrasion resistant
- Extruded

Hose Construction

- Tube: PVC/NBR blend - black
- Cover: PVC smooth - blue with yellow stripe
- Reinforcing: polyester yarn

Temperature

- -5°C to 60°C



Dimensions (mm)		Part Numbers			Pressures				Bend Radius (mm)	Weight (kg/mtr)
					Working		Burst			
ID	OD	Cut Length	Coil 20m	Coil 100m	PSI	Bar	PSI	Bar		
6.4	12.0	H14006MTR	H14006020	H14006100	300	20	928	64	75	0.12
7.9	14.0	H14008MTR	H14008020	H14008100	300	20	928	64	95	0.16
9.5	16.0	H14010MTR	H14010020	H14010100	300	20	928	64	120	0.18
12.7	19.0	H14012MTR	H14012020	H14012100	300	20	928	64	150	0.22
19.1	28.0	H14020MTR	H14020020	H14020100	300	20	928	64	240	0.47
25.4	35.0	H14025MTR	H14025020	H14025100	300	20	928	64	300	0.65

Product Group: DA27

Single Line Welding (A108)

Applications

- Designed to fulfill AS1335 specifications, guaranteeing the safe transfer of oxygen (blue) or acetylene (red) for welding, cutting and allied processes across diverse industrial sectors.

Features

- Ozone resistant
- Weather resistant
- Abrasion resistant
- Oil mist resistant
- Pin pricked cover

Hose Construction

- Tube: SBR blend - black
- Cover: SBR blend, smooth - red or blue
- Reinforcement: polyester yarn

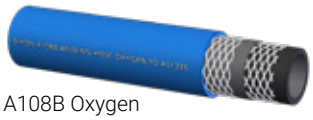
Temperature

- -20°C to 70°C

Standards

- Cover conforms to AS1335

Dimensions (mm)		Part Numbers			Pressures				Bend Radius (mm)	Weight (kg/mtr)
					Working		Burst			
ID	OD	Cut Length	Coil 20m	Coil 100m	PSI	Bar	PSI	Bar		
4.8	12.0	A108005B	A108005B020	A108005B100	217	15	870	60	40	0.14
6.4	13.0	A108006B	A108006B020	A108006B100	217	15	870	60	50	0.15
9.5	16.0	A108010B	A108010B020	A108010B100	217	15	870	60	75	0.19
4.8	12.0	A108005R	A108005R020	A108005R100	217	15	870	60	40	0.14
6.4	13.0	A108006R	A108006R020	A108006R100	217	15	870	60	50	0.15
9.5	16.0	A108010R	A108010R020	A108010R100	217	15	870	60	75	0.19



A108B Oxygen



A108R Acetylene

Product Code: DB21

Twin Line Welding (A109)

Applications

- Bonded Twin-line hose designed to fulfill AS1335 specifications, guaranteeing the safe transfer of Oxygen and Acetylene for welding, cutting and allied processes across diverse industrial sectors.

Dimensions (mm)		Part Number			Pressures				Bend Radius (mm)	Weight (kg/mtr)
					Working		Burst			
ID	OD	Cut Length	Coil 20m	Coil 100m	PSI	Bar	PSI	Bar		
4.8	12.0	A109005	A109005020	A109005100	217	15	870	60	40	0.28



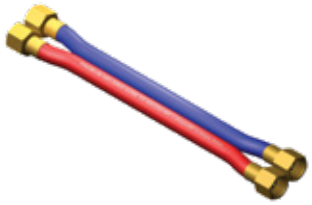
Product Code: DB22

Twin Line Welding Assembly (A119)

Applications

- Crimped twin line weldinghose - oxy acetylene assembly.

Dimensions (mm)		Part Numbers	Pressures				Bend Radius (mm)	Weight (kg/mtr)
			Working		Burst			
ID	OD		PSI	Bar	PSI	Bar		
4.8	12.0	A1195CRIMP	217	15	870	60	40	0.28
4.8	12.0	A11975CRIMP	217	15	870	60	40	0.28
4.8	12.0	A11910CRIMP	217	15	870	60	40	0.28
4.8	12.0	A11915CRIMP	217	15	870	60	40	0.28
4.8	12.0	A11920CRIMP	217	15	870	60	40	0.28



Product Code: DB21

Single LPG (A110)

Applications

- Designed to fulfill AS/NZS1869 Class C specifications, guaranteeing the safe transfer of LPG for welding, cutting and allied processes across diverse industrial sectors.

Features

- Ozone resistant
- Weather resistant
- Abrasion resistant
- Pinpricked cover
- Extruded

Hose Construction

- Tube: NBR/PVC blend - black
- Cover: NBR/PVC, smooth - orange
- Reinforcement: polyester yarn

Temperature

- -20°C to 70°C

Standards

- AS/NZS1869 Class C



Dimensions (mm)		Part Numbers			Pressures				Bend Radius (mm)	Weight (kg/mtr)
					Working		Burst			
ID	OD	Cut Length	Coil 20m	Coil 100m	PSI	Bar	PSI	Bar		
4.8	13.0	A11005	A11005020	A11005100	375	25	1500	100	40	0.18
6.4	14.0	A11006	A11006020	A11006100	375	25	1500	100	50	0.19
9.5	18.0	A11010	A11010020	A11010100	375	25	1500	100	75	0.29

Product Code: DB23

Divers/Air Breathers (H100)

Applications

- Designed with excellent flexibility and durability, this product is manufactured in accordance with AS/NZS 2299.1 & AS/NZS 1716 standards, approved for use in professional and sports air-breathing apparatus.

Features

- UV stabilised
- Abrasion resistant
- FDA approved

Hose Construction

- Tube: PVC - white
- Cover: PVC, smooth - yellow
- Reinforcement: polyester yarn

Temperature

- -5°C to 60°C

Standards

- AS/NZS 2299.1 & AS/NZS 1716



Dimensions (mm)		Part Numbers		Pressures				Bend Radius (mm)	Weight (kg/mtr)
				Working		Burst			
ID	OD	Coil 20m	Coil 100m	PSI	Bar	PSI	Bar		
7.9	15.0	H1000820	H10008100	350	24	1400	96	95	0.15
9.5	17.5	H1001020	H10010100	350	24	1400	96	120	0.18

Product Code: DA08

Nylon Protective Sleeves - MSHA Accepted

Applications

- Woven nylon tubular sleeving. Ideal for use as a protective covering on hydraulic and industrial hose. Tight weave of the seamless tubular sleeving helps dispense the flow of fluid in a ruptured hose.

Features

- Black
- Woven nylon tubular sleeving

Standards

- MSHA accepted, passes flammability tests

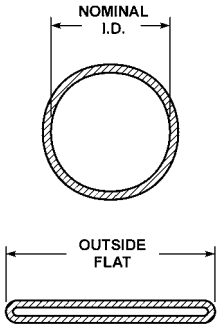
Temperature

- Withstands up to 135°C

Dimensions (mm)		Part Numbers	Length (mtr)
Nominal ID	OD Flat		
23	38	DHS90-100	30
25	42	DHS100-100	30
27	48	DHS106-100	30
31	54	DHS122-100	30
36	63	DHS142-100	30
39	67	DHS159-100	30
40	70	DHS159-1-100	30
44	73	DHS175-100	30
46	76	DHS181-100	30
56	92	DHS219-100	30
60	99	DHS238-100	30
67	108	DHS263-100	30
73	121	DHS288-100	30
93	149	DHS366-100	30
131	190	DHS520-100FRAC	50

Product Code: DC07





Hookie - Hook Hose Lifter

Applications

- For use with hammer unions.

Features

- Safe working load is 4 tons, with a proof load test of 8 tons
- Supplied complete with retaining clamp

Size (inch)	Part Numbers
3	HA0900-3
4	HA0900-4
5	HA0900-5

Product Code: AD09



Hose Glide Rings

Applications

- Glide rings are made from hard-bearing type plastic material. They come in two halves and can be fitted anywhere along the hose length. The hose glides easily across the floor without catching, protecting the hose outer cover. Glide rings hold hoses off the floor preventing damming, and build-up of wash-down liquids behind the hose. The hose can be dragged around the floor almost like being on skates.

Size (mm)	Part Numbers	Description
40	HGR-040	Black 2pce to suit 40mm ID hose
50	HGR-050	Yellow 2pce to suit 50mm ID hose
76	HGR-076	Yellow 2pce to suit 76mm ID hose
100	HGR-100	Yellow 2pce to suit 100mm ID hose

Product Code: AV13



Spiral Hose Guard

Applications

- Spiral wrap is designed to bundle and/or protect hose and cables from abrasion.

Features

- Ultra violet stabilisied
- Unaffected by most petroleum based products including oil
- Rolled edged finish
- Available in black, red, blue, and yellow

Hose Construction

- Manufactured from tough polyethylene

Temperature

- -0°C to 82°C



Dimensions (mm)		Part Numbers	Wall Thickness (mm)	Suits Hose OD Range (mm)	Box Quantity (mtr)
ID	OD				
9	13	R1220BK	2.00	9-12	20
12	16	R1620B	2.25	12-17	20
15	20	R2020B	2.50	16-22	20
19	25	R2520B	2.75	22-28	20
23	30	R3220B	3.50	27-33	20
30.5	39	R4020B	4.25	33-42	20
38	46.5	R5020B	4.25	42-55	20
47	58	R6520B	5.50	52-65	20
61	73	R7520B	6.00	65-80	20
70.5	84.5	R9020B	7.00	80-150	20
84	99	R11010B	7.50	150	10

Product Code: DC07

FRAS Spiral Guard

Applications

- FRAS spiral guard is designed to bundle and/or protect hose and cables from abrasion.

Features

- BS EN ISO 8031:1997 for electrical resistance
- BS EN ISO 8030:1998 for fire resistance
- ISO 4589-1:1996 for determination of burning behaviour by oxygen index NSW department of mineral resoures MDA 99/579

Temperature

- -0°C to 82°C



Dimensions (mm)		Part Numbers	Box Quantity (mtr)
ID	OD		
12	16	RF1620	20
15	20	RF2020	20
19	25	RF2520	20
23	30	RF3220	20
30.5	39	RF4020	20
38	46.5	RF5020	20
47	58	RF6320	20
61	73	RF7520	20
70.5	84.5	RF9020	20

Product Code: DC07





Custom Hose **Assemblies**

We specialise in the construction of hose assemblies that can be fitted, tested and tagged with the ability to crimp hose up to 12”. Our hose assemblies adhere to the applicable NAHAD or Australian Standards, ensuring full compliance. Operating hose centres in Adelaide, Perth, and Sydney, we are committed to delivering quality and compliant hose solutions to our valued customers.

Industrial Hose - Technical Information

Hose Assemblies - B.E.S.A.F.E.

Hose assemblies must be inspected prior to each use. Worn-out fittings, attachment devices, hose and accessory items must be replaced. Retaining and safety devices such as clips, cables or chains must be used. Clamps must be checked regularly to the specified torque found in the Dixon™ literature. Under no circumstance should any coupling be disconnected while under pressure unless the coupling is specifically designed to do so. Disconnecting couplings under pressure could result in serious injury or death, and destruction of property and equipment.

B	E	S	A	F	E
BEWARE	**ELIMINATE**	**SECURE**	**ALWAYS**	**FITTINGS**	**EDUCATE**
Beware as hose assemblies can be dangerous when used improperly or in the wrong application. The maximum working pressure shown on the hose is not an indication of the working pressure of the assembly Based on the hose, fittings and attachment method used, all assemblies should be permanently marked with the designed working pressure and the intended media. The assembly working pressure should be permanently displayed Hose assemblies must be used for the intended service only. Never alter manufactured products or substitute component parts	**E**liminate hazardous conditions by inspecting, maintaining and testing hose assemblies Dixon™ recommends that all hose assemblies be tested in accordance with the hose manufacturer's specifications. The application determines the regularity of the re-testing schedule	**S**ecure and inspect hose, fittings, clamping devices and safety accessories before each use. Never take for granted that the coupling or attachment devices are properly installed	**A**lways inspect and re-tighten the bolts of any bolt-style clamping device to the manufacturer's torque specifications	**F**ittings, hose, and clamping devices that are worn out or damaged must be removed from service	**E**ducate your employees about the proper use, care and potential hazards of hose assemblies Take advantage of Dixon™'s free Safety Survey Program and the follow-up Training Seminar to assist setting up your own inspection program. Contact Dixon™ if you have any questions on applications, use or assembly

Pressure Ratings

Pressure ratings for couplings, as stated in this catalogue, are based upon ambient temperature (21°C) applications, using all new Dixon™ products and installed by a qualified assembly using Dixon™ procedures and equipment.

Temperature can affect coupling retention - for temperatures other than ambient (21°C), contact Dixon™.

Product Selection

Many of the products in this catalogue are used in hose assemblies in a variety of applications. The safety of any hose assembly rests on the proper selection, installation, testing and use of each product.

The safe use of any product in this catalogue is dependent upon the correct selection of the hose, fittings and method of attachment. To ensure a correct selection, the user must inform the distributor of the application and pressure involved when ordering hose assemblies.

The use of the acronym S.T.A.M.P.E.D. (Size, Temperature, Application, Media, Pressure, Ends, Dixon™) will help in the proper selection of hose assembly components. The selection of couplings and clamping devices is the responsibility of the purchaser or user based on the hose manufacturer's recommendations. If the purchaser or user is uncertain about the use or application of a product, Dixon™ can provide information including test results (if available), coupling and clamping recommendations and other data to assist.

Installation

To achieve a safe and reliable assembly, proper installation procedures must be followed. Each component of the assembly plays a part in determining these procedures. The purchaser or user must follow proper procedures. If the purchaser or user has any questions regarding installation please contact Dixon™.

Testing

Dixon™ recommends that all hoses assemblies be tested in accordance with the hose manufacturer's recommendations.

Re-testing and Inspection

Dixon™ recommends inspection and re-testing of hose assemblies on a regular and consistent basis in accordance with the hose manufacturer's recommendations. The application determines the regularity of the inspection and re-testing schedule.

Any worn-out or damaged hoses and fittings or missing safety devices should be replaced immediately. Bolt-style clamps must be checked and retightened on a regular and consistent basis.

Hose Assemblies

> "The very properties that make compressed gases useful in almost every area of modern life can also make them dangerous when mishandled. Years of experience with compressed gases have led to practices and equipment which, if employed, result in complete safety."
>
> (source: Handbook of Compressed Gases)

All hose assemblies should be viewed as potential hazards. This document is designed to inform and educate anyone who manufactures, specifies, supplies, purchases, assembles, uses, maintains or tests any hose assembly or its component parts. The proper selection and maintenance of hose, couplings, attachment devices and accessories is imperative.

It is the end user's responsibility to inform the distributor of the application and any special conditions that the hose assembly must meet. It is the distributor's responsibility to supply the proper assembly for the intended application.

Accidents and downtime may occur if hose assemblies are not properly selected for the specific application. The performance and safety of the assembly is affected by the quality of the individual components. The use of the STAMPED method will help in the proper selection of the hose assembly components. When in doubt, Dixon™ is available to assist with the correct coupling recommendation.

Air Hose Couplings

Air can be one of the most dangerous forms of energy because it is used in so many applications, and when mishandled it can have more serious consequences than fluids. Air as a gas is compressible (fluids press only against hose or vessel walls and lose little volume under pressure). When pressurised air releases suddenly, it does so with explosive force and can cause rapid hose whip, which can cause serious physical harm to personnel or damage to nearby objects.

This is why selecting the correct hose and couplings for airlines, and their proper installation and maintenance, is so important. Never take for granted that a coupling is connected correctly or that a clamp is fully tightened on an air hose - check it regularly and use safety devices.

Steam & Gas

The same rules apply for steam and gas as they do for air. As steam and gas are inherently more hazardous, personnel should treat the hose and couplings on these lines with more care and respect. Checking clamp tightness is very important with steam hose, where it is not unusual for clamps to loosen in service, in which case they MUST BE RETIGHTENED! Safety devices should also be used. Hose assemblies for steam must only use components specifically nominated for steam service.

Fluid Hose Couplings

Again, nothing should be taken for granted. In particular check clamps for tightness each time the lines are used, especially when petroleum products or other hazardous liquids are involved. When a large-diameter hose is suspended, it can be quite dangerous if it drops unexpectedly due to a coupling "pull-out" or sudden disconnection. A heavy fitting or clamp, plus the weight of the hose itself falling from any height can cause injuries or damage. Be sure to use safety devices.

All Hose Assemblies

All hose assemblies should be treated with respect and as a potential hazard. Worn-out fittings should be replaced. Retaining devices such as clips, cables or chains should be used, and clamps should be checked regularly. Under no circumstances should any coupling be disconnected while under pressure unless the coupling is specifically designed to do so. Disconnecting couplings under pressure could result in serious injury or death, and destruction of property and equipment.



- Proper selection, care, use and maintenance of hose couplings and accessory items. Failure to use these procedures can result in serious injury or death, and destruction of property and equipment
- Incorrect use, worn fittings and clamps can cause serious injury

When fabricating and specifying hose assemblies, ask the following questions:

Size

What is the ID (inside diameter) of the hose? What is the OD (outside diameter) of both ends of the hose? What is the overall length of the assembly required?

Temperature

What is the temperature range of the media (product) that is flowing through the hose assembly? What is the temperature range of the environment that surrounds the outside of the hose assembly?

Application

How is the hose assembly actually being used? Is it a pressure application? Is it a vacuum (suction) application? Is it a gravity flow application? Are there any special requirements that the hose assembly is expected to perform? Is the hose being used in a horizontal or vertical position? Are there any pulsations or vibrations acting on the hose assembly?

Media

What is the media/material that is flowing through the hose assembly? Being specific is critical - check for abrasive materials, chemical compatibility, etc.

Pressure

What is the maximum pressure including surges (or maximum vacuum) that this hose assembly will be subjected to? Always rate the maximum working pressure of your hose assembly by the lowest-rated component in the system.

Ends

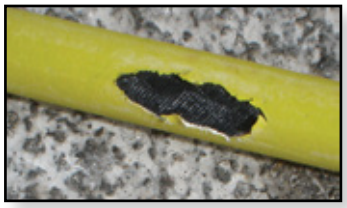
What couplings have been requested by the user? Are they the proper fittings for the application and hose selected?

Dixon™

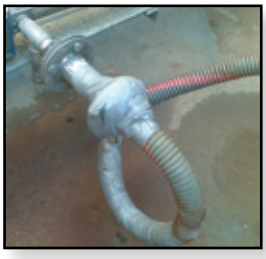
What is the maximum pressure including surges (or maximum vacuum) that this hose assembly will be subjected to? Always rate the maximum working pressure of your hose assembly by the lowest-rated component in the system.

SCAN THIS QR CODE to access the S.T.A.M.P.E.D. form on our website

Misapplications or Misuse



Damage to Hose Cover – The hose cover protects the reinforcement of the hose from damage. If the reinforcement, which provides the hoses pressure rating is exposed or damaged affects the WP of the hose and may lead to failures when pressurised. Damaged hose should be removed from service and repaired or replaced.



What's under the tape? – The use of duct tape or rags to hide defects or patch leaks should be discontinued. It could be hiding a potential hazard. Any damaged or leaking hoses should be removed from service and repaired or replaced.



Hose Tail Insertion – A hose assembly, in order to be completely safe and functional, must have the tail of the coupling fully inserted into the square cut end of the hose. Failure to correctly do so may result in premature failure of the assembly which has the potential to cause damage to plant and person.

Hose Assembly
Request Form

Company Name:	Contact Name:
Phone:	Email:
State / Branch:	Date:
Special Instructions:	

S

Size

ID mm Length mtrs Preferred hose material

T

Temperature of media (inside hose) and environment (outside hose)

Media °C Environment °C Steam Yes ☐ No ☐

A

Application

Application

External Environment Transfer Type

M

Material being transferred (type & concentration)

P

Pressure

Pressure

E

End clamping and fitting methods

End fitting 1 + material End fitting 2 + material

Preferred clamping method

D

Delivery

Testing and certification required Yes ☐ No ☐ Date required

Standard (if known) Quantity

Force Chart

End Pull Force (kg)

Hose/Pipe ID		25 PSI	50 PSI	75 PSI	100 PSI	150 PSI	200 PSI	250 PSI	300 PSI	500 PSI	1000 PSI	2000 PSI
inch	mm											
¼	6	1	1	2	2	3	4	5	7	11	22	44
⅜	10	1	2	4	5	7	10	12	15	25	49	98
½	13	2	4	7	9	13	17	22	26	44	87	175
¾	19	5	10	15	20	29	39	49	59	98	197	393
1	25	9	17	26	35	52	70	87	105	175	349	699
1¼	32	14	27	41	55	82	109	136	164	273	546	1,092
1½	38	20	39	59	79	118	157	197	236	393	786	1,572
2	51	35	70	105	140	210	279	349	419	699	1,397	2,795
2½	64	55	109	164	218	328	437	546	655	1,092	2,184	4,367
3	76	79	157	236	314	472	629	786	943	1,572	3,144	6,289
4	102	140	279	419	559	838	1,118	1,397	1,677	2,795	5,590	11,180
5	127	218	437	655	873	1,310	1,747	2,184	2,620	4,367	8,734	17,468
6	152	314	629	943	1,258	1,887	2,515	3,144	3,773	6,289	12,577	25,154
8	203	559	1,118	1,677	2,236	3,354	4,472	5,590	6,708	11,180	22,359	44,718
10	254	873	1,747	2,620	3,494	5,240	6,987	8,734	10,481	17,468	34,936	69,872
12	305	1,258	2,515	3,773	5,031	7,546	10,062	12,577	15,092	25,154	50,308	100,616

- For hose ID's from 1¼" to 12" the force in kilograms is greater than the PSI
- Force is the dynamic power which is exported longitudinally through a hose, towards the ends. To arrive at the number of kilograms of Force exerted, you merely multiply the area of the ID times the working pressure being used
- Area of a Circle: π x R2 (PI [3.1416] x radius squared)
- FORCE = AREA x PRESSURE

Vacuum Conversions

ATM	PSI	Water		Mercury		Percentage %
		metre	Feet	mm	inch	
0.1	1.4	1	3' 3 3/8"	73	2.9	10
0.2	2.8	2	6' 6 3/4"	147	5.8	20
0.3	4.2	3	9' 10 1/8"	220	8.7	30
0.4	5.7	4	13' 1 1/2"	294	11.6	40
0.5	7.1	5	16' 4 13/16"	367	14.5	50
0.6	8.5	6	19' 8 3/16"	441	17.4	60
0.7	10.0	7	22' 11 9/16"	514	20.3	70
0.8	11.4	8	26' 2 15/16"	588.	23.2	80
0.9	12.8	9	29' 6 3/8"	662	26.0	90
1.0	14.2	10	32' 9 11/16 '	735	29.0	100

Understanding the Forces at Work

In all pressurised hose and piping systems there are invisible forces at work being used to transfer media through the system or to provide energy to equipment to perform the required task.

The same features of a pressurised system that make it useful also make it potentially dangerous. To keep pressurised systems safe it is crucial that the forces are understood, and that the equipment being used (ie hose, pipe etc) is suitable for the application.

Hose assemblies must be designed and built with the confidence that they will perform to requirements without chance of failure. To achieve the required level of confidence, the hose must either have a proven history or be tested and certified for use in that application. There is often just too much to risk should something go wrong.

The amount of end force on a hose assembly is determined by multiplying the pressure by the end cross-sectional area. This end force is the force that a clamp must resist to prevent the fitting from coming out of the hose. For example, a 25mm (1") hose at 100PSI exerts 79 pounds (36kg) end force. However, a 150mm (6") hose installed on the same system operating at 100PSI will exert an end force of 2,827 (1,282kg) end force.

The clamp in a hose assembly attempts to create a frictional force between the hose and fitting greater than the force trying to push the fitting out. A hose clamp produces both friction and a lock to overcome this end force.

Why then do fittings come out of hoses? Either the end force is greater than the frictional force on a smooth tail fitting, or the material changes shape and "flows" out of the Barbs, known as 'cold flow'.

"Cold flow is the distortion, deformation or dimensional change that takes place in

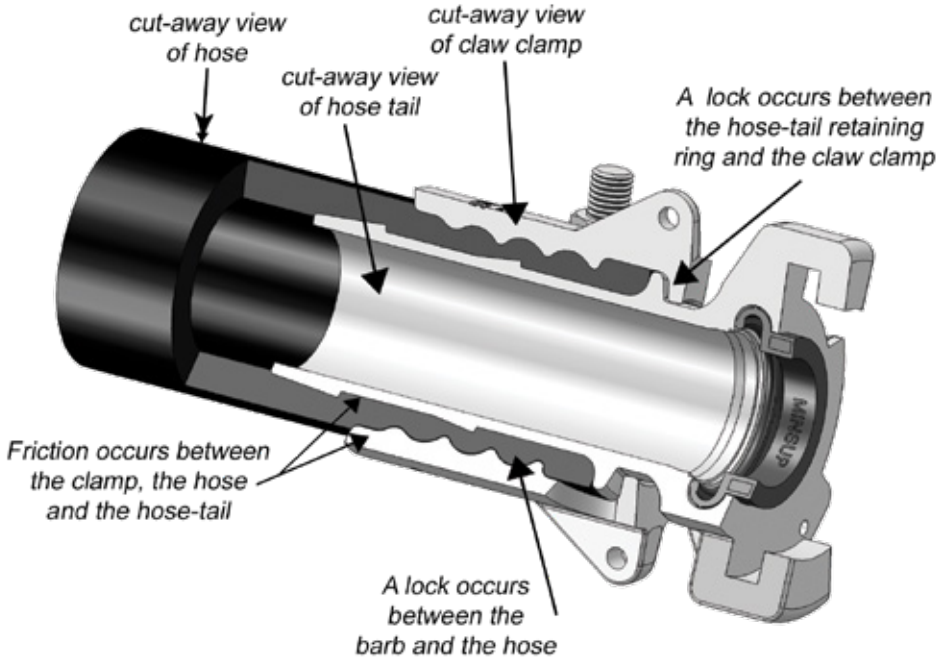
materials under continuous load at temperatures within the acceptable working range."

Simply put, this means the material flows and moves. In relation to hose assemblies, the force applied by the hose clamp combined with the end force caused by pressure will cause the ends of the hose to stretch out resulting in a thinner wall section. The flow-on effects this has created are reduced torque on clamp bolts and less clamping force between the clamp, hose and hose tail.

The effects of cold flow will vary depending on many factors such as materials, temperature, fitting geometry etc.

When specifying a hose it is most important to ensure that all of the application criteria are explained so that a hose assembly can be specified to suit. Something as seemingly minor as a slightly elevated working temperature can dramatically affect the performance of the hose assembly.

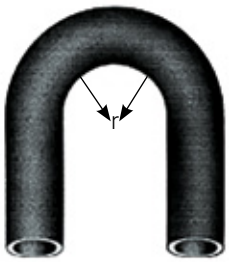
The final consideration needs to be maintenance to your hose assembly. Although your hose assembly has been built to specifications, consideration still needs to be given to cold flow. Bolted hose assemblies must have the torque ratings checked "routinely". Many end users demand to know what "routinely" means and ask the hose supplier to specify requirements. Unfortunately, due to the number of variables at play, "routinely" can not be defined or specified. What must be done is for the end user to seek advice from the supplier on how to best maintain their hose assemblies.



Properties of Rubber Hose

Polymer	Wire Reinforced	Natural	Neoprene	Nitrile	Styrene Butadiene	FKM	Silicone
Abbreviation	**EPDM**	**NR**	**CR**	**NBR**	**SBR**	**FKM**	**SI**
Hardness Range A	20-90	30-98	25-90	20-98	25-95	60-90	30-85
Tensile Strength	2	1	2	2	2	3	4
Elongation	2	1	2	2	2	2	3
Abrasion	3	2	2	2	2	3	4
Tear	2	1	2	3	3	3	4
Compression Set @ 20°C	2	2	2	2	2	1	1
Compression Set @ 100°C	2	4	3	2-3	3	1	1
Compression Set @ 150°C	3	5	5	5	5	1	1
Denting	4	1	2	3	3	2	1
Service Temp Range	-56°C to 177°C	-56°C to 82°C	-50°C to 121°C	-55°C to 100°C	-55°C to 100°C	-40°C to 287°C	-115°C to 315°C
Max Service Continuous Temp	100°C	70°C	90°C	80°C	80°C	220°C	220°C
Ozone - UV	1	4	2	4	4	1	1
Resiliency	3	1	2	3	4	3	2
Acids	1	3	3	4	4	1	2
Caustics	1	2	2	3	3	2	2
Petrol	5	5	3	1	5	1	4
Aromatic Hydro-Carbon	5	5	5	3	5	1	5
Chlorine	4	4	4	4	4	1	3
Water	1	1	4	2	2	3	2
Ketones	1	1	3	4	5	5	4
Alcohol	1	1	2	1	1	4	2
Esters	1	1	3	4	1	1	3
Oils	5	5	3	1	5	1	3
Ratings	1 = Excellent, 2 = Above Average, 3 = Average, 4 = Fair, 5 = Unsuitable						

Minimum Hose Bend Radius Recommendations



Hose	Wire Reinforced	Non-Wire Reinforced
Up to 50mm ID	6 Times	12 Times
Over 50mm ID	8 Times	12 Times

* Multiply hose OD by factor in chart

The bend radius is the radius of the arc through which a hose is bent.

The minimum bend radius is the tightest arc in which a hose can be bent without kinking or otherwise damaging the hose.

Bending a hose to a tight radius imposes stresses on the structure of the hose which may cause a reduction in the performance, or in extreme cases, cause permanent damage to the hose.

The minimum bend radius that a hose will withstand depends upon many factors including the wall thickness, the presence of a wire helix, the type of reinforcing material and the loss of performance that can be tolerated.

It is recommended that the following guides be used to determine the minimum bend radius for the range of rubber hoses.

*** This figure should be taken as a general guide only. If unsure contact Dixon™.**

Basic Compounds in Rubber Hose

The following table gives the general properties of the most common rubber compounds used in hoses today. It is provided as a guide and therefore generalised to some degree.

Common Name	ASTM	Composition	General Properties
Butyl	iir	Sobutylene	Excellent weathering resistance: low permeability to air and gas: good physical properties: heat resistant; poor resistance to petroleum-based fluids
CPE	cm	Chlorinated Polyethylene Elastomer	Excellent ozone and weathering resistance: excellent oil and aromatic resistance: excellent flame resistance
Cross-Linked Polyethylene	-	Cross-Linked Polyethylene	Excellent resistance to a very wide range of solvents, chemicals, acids and oil (including aromatics)
EPDM	EPDM	Ethylene Propylene Diene Monomer	Excellent ozone, chemical and ageing characteristics: poor resistance to petroleum-based fluids: very good steam resistance
EPR	epm	Ethylene Propylene Copolymer	Excellent ozone, weathering, heat, chemical and ageing resistance: low permeability to water: not oil resistant
Hypalon	csm	Chloro-Sulphonated-Polyethylene	Excellent physical properties: Very good abrasion resistance: acid resistance: not oil resistant
Natural	nr	Isoprene Natural	Excellent physical properties: flame retarding: good oil resistance: good physical properties
Neoprene (Perbunan-C)	cr	Chloroprene	Excellent oil resistance: moderate resistance to aromatics: good physical properties
Nitrile (Buna-N)	nbr	Nitrile-Butadiene	Excellent oil and weathering resistance both for tube and cover
NVC/70	nbr/PVC	Nitrile Polyvinyl Chloride	Excellent oil resistance: moderate resistance to aromatics: good physical properties
Polyacrylic	acm	Acrylic Monomer	Excellent oil and tar resistance at high temperatures
SBR	sbr	Styrene-Butadiene	Good physical properties: good abrasion resistance: poor resistance to petroleum-based fluids
FKM	fpm	Hexafluoro-Propylene Vinilydene Fluoride	Excellent high-temperature resistance in air and oil: very good chemical resistance

Water Discharge Table

This table is intended for general reference and general applicability only, and should not be relied upon as the sole or precise source of information available with respect to the subject covered. The user should also refer to and follow the manufacturer's specific instructions and recommendations with regard to such information, where they exist.

The flow of water through 30-metre lengths of hose, straight-smooth bore - litres per minute.

Nominal Hose ID Diameters

PSI at Hose Inlet	1"	1¼"	1½"	2"	2½"	3"	4"	5"
20	98	178	288	609	1098	1772	3774	10959
30	121	220	256	757	1363	2203	4694	13639
40	144	257	416	886	1594	2574	5485	15933
50	163	291	469	999	1798	2903	6189	17973
60	178	322	519	1102	1984	3202	6829	19832
75	201	360	583	1245	2237	3615	7703	22372
100	235	424	681	1454	2612	4221	8998	26134
125	265	477	768	1639	2949	4762	10149	29481
150	291	526	88	1809	3252	5254	11197	32528
200	341	613	992	2112	3801	6136	13079	37998

Figures are to be used as a guide since the hose inside diameter tolerance, the type of fittings used, and orifice restriction all influence the actual discharge. Thus, variations plus or minus from the table may be obtained in actual service.

Pressure Drop in Rubber Hoses - Water

The following tables of pressure drops and flow rates are based on experimental data and may be considered typical of most hoses. The data is based upon hoses laid out in a straight line and thus it must not be considered as an exact result that may be obtained at a given pressure. Variables such as hose fittings and bend increase the frictional losses and an estimate of their effect may be determined by adding an "equivalent length" to the hose length. Values of the equivalent length (Le) may be determined using the diameter (D) of the hose in the following relationships:

90° Swept Elbow - Le = 20D
90° Square Elbow - Le = 50D
45° Square Elbow - Le = 16D
Hose Coupling - Le = 05D

Pressure Drop (KPa per 100 metres) Water @ 20°C Through Hose

Hose Nominal Bore (mm)

Flow Rate (l/m)	12.5	16	19	25	32	38	40	50	64	75	80	100	125
25	1100	470	210	50	-	-	-	-	-	-	-	-	-
50	-	2440	770	200	90	30	-	-	-	-	-	-	-
100	-	-	2660	730	300	100	55	30	-	-	-	-	-
200	-	-	-	-	1030	405	285	95	25	-	-	-	-
300	-	-	-	-	-	900	650	210	65	20	-	-	-
400	-	-	-	-	-	-	1200	370	110	40	-	-	-
500	-	-	-	-	-	-	-	580	155	70	50	-	-
1000	-	-	-	-	-	-	-	-	575	230	180	55	
2000	-	-	-	-	-	-	-	-	-	920	600	220	45
3000	-	-	-	-	-	-	-	-	-	2125	1400	490	100
4000		-	-	-	-	-	-	-	-	-	-	805	190
5000	-	-	-	-	-	-	-	-	-	-	-	1390	315

Pressure drop is directly proportioned to the length of hose
Friction is independent of pressure and proportional to velocity

Flow Rate of Water Through Hose

Volumetric Flowrate of Water Through 100m Hose (litre/minute)

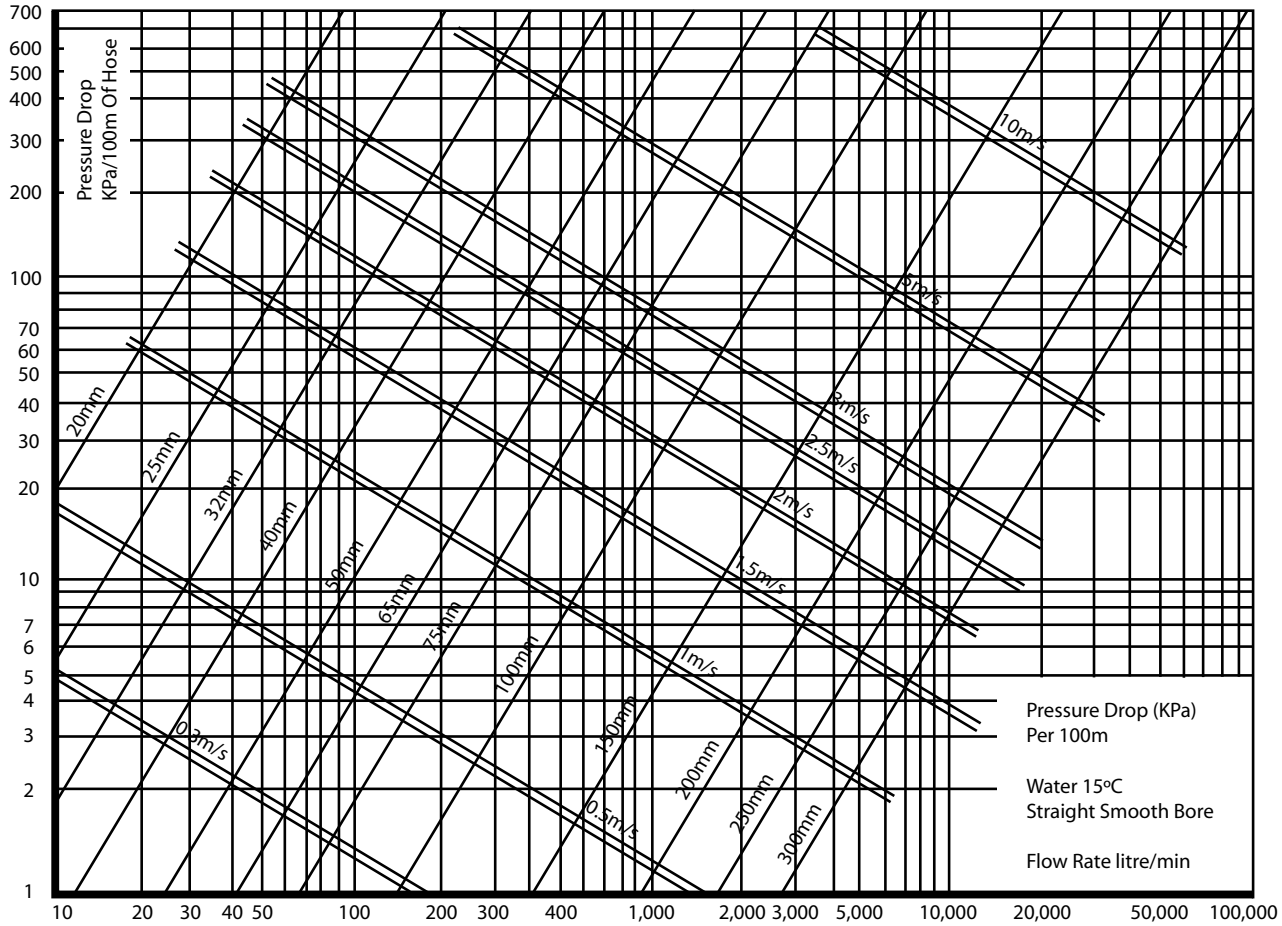
Inlet Pressure (kPa)	Hose Internal Diameter (mm)													
	12.5	16	20	25	32	38	40	50	64	75	80	100	150	200
150	15.5	31	48	102	181	299	359	639	1145	1701	2079	3969	11482	24239
200	18.5	35	57	117	215	352	408	741	1342	2126	2457	4631	13466	28870
300	24	42	71	157	272	438	499	922	1663	2717	3071	5670	16727	35749
400	29.5	49	82	178	317	510	582	1081	1950	3189	3662	6710	19609	41675
500	33	56	93	200	355	575	658	1221	2200	3544	4064	7560	22047	46967
600	36	62	102	219	397	635	730	1349	2430	3936	4408	8269	24334	51739
700	38	69	111	238	427	688	801	1467	2646	4253	4772	9025	26413	56228
800	41	73	120	257	464	737	862	1576	2835	4631	5198	9686	28634	60480
900	43	77	127	272	491	783	919	1686	3013	4938	5576	10348	30335	64260
1000	45	82	134	291	522	828	972	1788	3187	5198	5906	11009	32036	67946
1250	52	93	149	333	586	937	1111	2015	3595	5826	6804	12521	36052	76592

Pressure Drop in Rubber Hoses - Air

Size (mm)	Cu/m of Free Air							
	0.5	1.0	1.25	1.5	2.0	2.75	3.5	4.25
12.5	249	855	1325	-	-	-	-	-
19	-	215	350	505	895	1725	2745	-
25	-	-	-	-	250	465	755	1100
32	-	-	-	-	80	100	175	285
38	-	-	-	-	-	45	75	135

Size (mm)	Cu/m of Free Air											
	15	20	30	40	50	60	70	80	90	100	125	150
50	385	680	1530	2690	4230	-	-	-	-	-	-	-
64	160	270	565	1020	1630	2350	3170	4185	5270	-	-	-
76	-	-	215	330	520	745	1020	1335	1675	2035	3190	4590

Pressure Drop in Layflat Hose



Chemical Resistance Chart for Rubber Hose

Key to Chemical Guide

EX - Recommended, little or no effect on tube compound, suitable for continuous service
G - Recommended, minor effect on tube compound may be suitable for continuous service, suitable for intermittent service
C - Questionable, moderate to severe effect on tube, may be suitable for limited applications
X - Not recommended
I - No data available, but not expected to perform better than rated compounds

Chemical	EPDM	Hypalon	Natural	Nitrile	Chloroprene	SBR	FKM	Cross Linked Poly Ethylene	CPE
Acetaldehyde 50%	G	C	G	X`	C	C	X	EX	I
Acetic Acid-Glacial	G	C	G	C	X	G	C	EX	EX
Acetic Acid 30%	G	G	G	G	EX	G	G	EX	EX
Acetic Anhydride	C	EX	G	C	G	G	X	EX	EX
Acetone	G	G	C	X	C	C	X	EX	EX
Acetyl Chloride	X	X	X	X	X	X	EX	G	EX
Acetylene	G	G	G	EX	G	G	EX	EX	I
Adipic Acid	G	I	EX	EX	EX	EX	I	I	I
Aluminium Acetate	G	EX	EX	G	G	G	X	EX	EX
Aluminium Chloride	G	EX	EX	EX	EX	EX	EX	EX	EX
Aluminium Fluoride	G	EX	G	EX	EX	EX	EX	EX	I
Aluminium Nitrate	G	EX	EX	EX	EX	EX	EX	EX	EX
Aluminium Sulfate	G	EX	EX	EX	EX	EX	EX	EX	EX
Ammonia Anhydrous	G	G	X	G	EX	X	X	EX	EX
Ammonia Gas (cold)	G	EX	EX	EX	EX	EX	EX	X	EXI
Ammonia Gas (hot)	C	G	X	X	G	X	X	EX	I
Ammonium Carbonate	G	I	EX	X	EX	EX	I	I	EX
Ammonium Chloride	G	EX	EX	EX	EX	EX	EX	EX	EX
Ammonium Hydroxide	G	EX	X	X	EX	X	G	EX	EX
Ammonium Nitrate	G	EX	C	EX	EX	G	I	EX	I
Ammonium Nitrite	G	EX	EX	EX	EX	EX	I	EX	I
Ammonium Phosphate	G	EX	EX	EX	EX	EX	I	EX	EX
Ammonium Sulfate	G	EX	EX	EX	EX	EX	X	EX	EX
Amyl Acetate	X	X	X	X	X	X	X	EX	C
Amyl Alcohol	G	EX	G	G	G	G	G	EX	EX
Aniline	G	C	X	X	X	X	C	EX	G
Aniline Dynes	G	G	G	X	G	G	G	EX	G
Aniline Hydrochloride	C	X	G	G	X	X	G	EX	I
Animal Fats	C	G	X	EX	G	X	EX	EX	EX
Aqua Regia	X	EX	X	X	X	X	G	X	G
Arsenic Acid	G	EX	G	EX	EX	EX	EX	EX	EX
Arsenic Trichloride	X	I	X	EX	EX	I	I	X	I
Asphalt	I	G	X	G	G	X	EX	X	I
Barium Chloride	G	EX	EX	EX	EX	EX	EX	EX	EX
Barium Sulfate	G	EX	EX	EX	EX	EX	EX	EX	EX
Barium Sulphide	G	EX	EX	EX	EX	G	EX	EX	EX
Beer	G	EX	EX	EX	EX	EX	EX	I	EX
Benzene	X	X	X	X	X	X	EX	EX	X
Benzyl Alcohol	G	G	X	X	G	X	EX	EX	I
Benzyl Benzoate	C	X	X	X	X	X	X	EX	I
Benzyl Chloride	X	X	X	X	X	X	EX	EX	X
Benzoic Acid	X	X	X	C	X	X	EX	EX	EX
Bordeaux Mixture	G	EX	G	G	G	G	EX	EX	I
Boric Acid	G	EX	EX	EX	EX	EX	EX	EX	EX
Brine	G	EX	EX	EX	EX	EX	EX	EX	EX
Bromine - Anhydrous	X	X	X	X	X	X	EX	X	I
Bromine Trifluoride	X	X	X	X	X	X	X	X	I
Bromine Water	G	EX	X	X	X	X	EX	X	I
Bromotoluene	X	X	X	X	X	X	EX	C	X

Chemical Resistance Chart for Rubber Hose

Chemical	EPDM	Hypalon	Natural	Nitrile	Chloroprene	SBR	FKM	Cross Linked Poly Ethylene	CPE
Bunker Oil	X	X	X	EX	X	X	EX	EX	I
Butane	X	G	X	EX	EX	X	EX	EX	G
Butadiene	X	C	X	X	X	X	EX	EX	I
Butter	G	G	X	EX	G	X	EX	EX	G
Butyl Acetate	X	X	X	X	X	X	X	EX	G
Butyl Alcohol	C	EX	EX	EX	EX	EX	EX	EX	EX
Butyl Amine	G	X	X	C	X	X	X	I	G
Butyl Benzoate	C	X	C	X	X	G	EX	EX	I
Butyl Cellosolve	G	G	X	C	C	X	X	EX	EX
Butyl Stearate	X	X	X	G	X	X	EX	EX	G
Butyraldehyde	C	X	X	X	C	X	X	EX	G
Calcium Acetate	G	G	EX	G	G	X	X	EX	EX
Calcium Bisulfite	X	EX	X	X	EX	X	EX	EX	EX
Calcium Chloride	G	EX	EX	EX	EX	EX	EX	EX	EX
Calcium Hydroxide	G	EX	EX	EX	EX	EX	EX	EX	EX
Calcium Hypochlorite	G	EX	C	G	C	C	EX	C	EX
Calcium Nitrate		EX	EX	EX	EX	EX	EX	EX	EX
Calcium Sulfide	G	EX	G	EX	EX	G	EX	EX	EX
Carbitol	C	G	G	G	G	G	G	EX	EX
Carbonic Acid (phenol)	C	X	X	X	C	X	EX	EX	EX
Carbon Bisulfide	X	X	X	C	X	X	EX	I	C
Carbon Dioxide	C	G	G	EX	G	G	EX	EX	I
Carbonic Acid	G	EX	EX	G	EX	G	EX	EX	EX
Carbon Monoxide	G	G	G	EX	G	G	EX	EX	I
Carbon Tetrachloride	X	X	X	C	X	X	EX	EX	X
Castor Oil	C	G	EX	EX	EX	EX	EX	EX	EX
Cellosolve	C	X	X	X	X	X	C	EX	I
Cellosolve Acetate	C	X	X	X	X	X	X	EX	I
Chlorine (dry)	X	G	X	X	C	X	EX	C	I
Chlorine (wet)	X	C	X	X	C	X	EX	C	I
Chlorine Dioxide	X	C	X	X	X	X	EX	C	I
Chloroacetone	G	C	X	X	C	X	X	EX	X
Chloroacetic Acid	G	EX	X	X	X	X	X	EX	I
Chlorobenzene	X	X	X	X	X	X	EX	EX	X
Chlorobutadiene	X	X	X	X	X	X	EX	EX	I
Chloroform	X	X	X	X	X	X	EX	G	X
Chlorotoluene	X	X	X	X	X	X	EX	G	X
Chrome Plating Solutions	C	X	X	X	X	X	EX	I	I
Chromic Acid	G	G	X	X	C	X	EX	EX	EX
Citric Acid	G	EX	EX	EX	EX	EX	EX	EX	I
Cobalt	G	EX	EX	EX	EX	EX	EX	EX	I
Coconut Oil	X	C	X	EX	G	X	EX	EX	I
Cod Liver Oil	G	G	X	EX	G	X	EX	EX	I
Coke Oven Gas	X	C	X	X	X	X	EX	EX	I
Copper Acetate	G	G	EX	G	G	X	X	EX	I
Copper Chloride	G	G	EX	EX	G	EX	EX	EX	G
Copper Cyanide	G	EX	EX	EX	EX	EX	EX	EX	I
Copper Sulfate	G	EX	G	EX	EX	G	EX	EX	EX
Corn Oil	X	G	X	EX	C	X	EX	EX	G
Cottonseed Oil	C	G	X	EX	G	X	EX	EX	G
Creosote (coal tar)	X	X	X	EX	G	X	EX	EX	I
Cresol	X	X	X	X	C	X	EX	EX	EX
Cresylic Acid	X	X	X	X	C	X	EX	EX	I
Cumene	X	X	X	X	X	X	EX	EX	C
Cyclohexane	X	X	X	EX	C	X	EX	EX	EX
Cyclohexanol	X	G	X	C	EX	X	EX	EX	EX
Cyclohexanone	G	X	X	X	X	X	X	EX	G
P-Cymene	X	X	X	X	X	X	EX	EX	X
Decalin	X	X	X	X	X	X	EX	EX	X
Denatured Alcohol	G	EX	EX	EX	EX	EX	EX	EX	EX

Chemical Resistance Chart for Rubber Hose

Chemical	EPDM	Hypalon	Natural	Nitrile	Chloroprene	SBR	FKM	Cross Linked Poly Ethylene	CPE
Detergent Solution (non-hydrocarbon)	G	G	G	EX	G	G	EX	EX	G
Diacetone	G	X	X	X	X	X	X	EX	I
Diacetone Alcohol	G	G	X	X	G	X	X	EX	EX
Dibenzyl Ether	C	X	X	X	C	X	X	EX	C
Dibutyl Amine	G	X	X	X	X	X	X	EX	EX
Dibutyl Ether	X	X	X	X	C	X	C	EX	EX
Dibutyl Phthalate	C	X	X	X	X	X	C	EX	C
Dibutyl Sebecate	C	X	X	X	X	X	G	EX	G
Dichlorobenzene	X	X	X	X	X	X	EX	EX	X
Diesel Oil	X	C	X	EX	C	X	EX	EX	I
Diethlamine	G	C	G	G	G	G	X	EX	G
Diethalmine Benzene	X	X	X	X	X	X	EX	EX	X
Diethyl Either	X	C	X	X	C	X	X	EX	EX
Diethylene Glycol	G	EX	EX	EX	EX	EX	EX	EX	EX
Diethyl Sebecate	C	G	X	G	X	X	G	EX	G
Diisobutylene	G	X	X	G	X	X	EX	EX	I
Diisopropyl Benzene	X	X	X	X	X	X	EX	EX	I
Disopropyl Ketone	G	X	X	X	X	X	X	EX	I
Dimethyl Formamide	G	X	X	G	C	X	X	EX	I
Dimethyl Phthalate	G	X	X	X	X	X	G	EX	EX
Dinitrotoluene	X	X	X	X	X	X	EX	EX	X
Dioctyl Phthalate	C	X	X	C	X	X	G	EX	C
Dioctyl Sebecate	C	X	X	X	X	X	G	EX	X
Dipentene	X	X	X	G	X	X	EX	EX	G
Piphenyl (phenylbenzene)	X	X	X	X	X	X	EX	EX	I
Dowtherm Oil	X	X	X	X	X	X	EX	EX	C
Dry Cleaning Fluids	X	X	X	C	X	X	EX	I	I
Ethane	X	G	X	EX	G	X	EX	EX	I
Ethanolamine	G	C	G	G	G	G	X	EX	EX
Ethyl Acetate	G	X	X	X	C	X	X	EX	G
Ethyl Acetoacetate	G	X	C	X	C	C	X	EX	EX
Ethyl Alcohol	G	EX	EX	EX	EX	EX	C	EX	EX
Ethyl Benzene	X	X	X	X	X	X	EX	EX	X
Ethyl Benzoate	G	X	EX	X	X	EX	EX	G	X
Ethyl Cellulose	C	G	G	G	G	G	X	EX	I
Ethyl Chloride	X	X	X	EX	X	X	EX	EX	I
Ethyl Ether	X	X	X	C	C	X	X	EX	EX
Ethyl Formate	C	G	X	X	G	X	EX	EX	EX
Ethyl Pentochloro-benzene	X	X	X	X	X	X	EX	X	X
Ethyl Silicate	G	G	G	EX	EX	G	EX	EX	EX
Ethylene	C	-	C	EX	C	C	EX	I	I
Ethylene Chloride	X	X	X	X	X	X	EX	EX	I
Ethylene Chlorohydrin	C	G	G	X	G	G	EX	EX	I
Ethylene Diamine	G	G	EX	EX	EX	G	X	EX	G
Ethylene Dichloride	X	X	X	X	X	X	EX	EX	C
Ethylene Glycol	G	EX	EX	EX	EX	EX	EX	EX	EX
Ethylene Trichloride	X	X	X	X	X	X	EX	EX	I
Ferric Chloride	G	EX	EX	EX	EX	EX	EX	EX	EX
Ferric Nitrate	G	EX	EX	EX	EX	EX	EX	EX	EX
Ferric Sulfate	G	EX	EX	EX	EX	EX	EX	EX	EX
Fish Oil	X	I	X	EX	X	X	EX	EX	I
Fluoroboric Acid	G	EX	EX	EX	EX	EX	I	EX	EX
Fluorobenzene	X	I	X	X	X	X	EX	EX	I
Fluorolube	G	EX	G	EX	G	C	G	I	I
Fluosilic Acid	C	EX	G	EX	G	C	EX	G	EX
Formaldehyde	G	EX	G	C	G	G	X	EX	EX
Formic Acid	G	X	G	G	EX	EX	C	G	EX
Freon 12	C	EX	G	EX	EX	EX	G	EX	EX
Freon 13	EX	EX	EX	EX	EX	EX	EX	EX	EX
Freon 21	X	X	X	EX	X	X	X	EX	X
Freon 22	G	EX	G	EX	EX	EX	X	EX	EX
Freon 114	G	EX	EX	EX	EX	EX	G	EX	I

Chemical Resistance Chart for Rubber Hose

Chemical	EPDM	Hypalon	Natural	Nitrile	Chloroprene	SBR	FKM	Cross Linked Poly Ethylene	CPE
Fuel Oil	X	G	X	EX	G	X	EX	EX	EX
Furtural	G	C	X	X	C	X	X	EX	EX
Gallic Acid	G	G	EX	G	G	G	EX	EX	I
Gasoline	X	C	X	EX	C	X	EX	EX	I
Gelatin	G	EX	EX	EX	EX	EX	EX	EX	I
Glucose	G	EX	EX	EX	EX	EX	EX	EX	I
Glue	G	EX	G	EX	EX	G	EX	EX	EX
Glicerine	G	EX	EX	EX	EX	EX	EX	EX	EX
Glycols	G	EX	EX	EX	EX	EX	EX	EX	I
Green Sulfate liquor	G	G	G	G	G	G	EX	EX	G
Hexane	X	G	X	EX	G	X	EX	G	G
Helix Alcohol	X	G	G	EX	G	G	EX	EX	EX
Hydraulic Alcohol	X	G	X	EX	G	X	EX	EX	EX
Hydrobromic Acid	G	EX	EX	X	X	X	EX	EX	EX
Hydrobromic Acid (hot 37%)	X	X	X	X	X	X	G	EX	I
Hydrochloric Acid	G	EX	G	C	G	G	EX	EX	EX
Hydrocyanic Acid	G	EX	G	G	G	G	EX	C	I
Hydrofluoric Acid (conc. hot)	G	C	X	X	X	X	C	EX	I
Hydrofluoric Acid (conc. cold)	G	EX	X	X	X	X	EX	EX	EX
Hydrofluoric Acid (anhydrous)	G	EX	X	X	X	X	X	EX	I
Hydrofluosilic Acid	C	EX	G	EX	G	C	EX	I	EX
Hydrogen Gas	G	EX	G	EX	EX	EX	EX	EX	EX
Iodine	X	EX	X	X	X	X	X	EX	EX
Isobutyl Alcohol	G	EX	EX	G	EX	G	EX	EX	EX
Isoctane	X	G	X	EX	G	X	EX	EX	G
Isopropyl Acetate	C	X	X	X	X	X	X	EX	I
Isopropyl Alcohol	G	EX	EX	G	G	G	EX	EX	EX
Isopropyl Chloride	X	X	X	X	X	X	EX	EX	I
Isopropyl Ether	X	C	X	G	C	X	X	EX	I
Kerosene	X	C	X	EX	G	X	EX	EX	EX
Lactic Acid (cold)	G	EX	EX	EX	EX	EX	EX	EX	I
Lactic Acid (hot)	G	EX	X	X	X	X	EX	EX	I
Lard	C	X	X	EX	G	X	EX	EX	EX
Lavender Oil	X	X	X	G	X	X	EX	G	I
Lead Acetate	G	X	EX	G	EX	X	X	EX	EX
Lead Nitrate	G	EX	EX	EX	EX	I	EX	EX	EX
Lead Sulfamate	G	EX	G	G	EX	G	EX	EX	I
Linseed Oil	X	G	X	EX	G	X	EX	EX	EX
Liquefied Petroleum Gas	X	G	X	EX	G	X	EX	EX	G
Lubricating Oils	X	G	X	EX	G	X	EX	EX	EX
Lye	G	EX	G	G	G	G	G	I	EX
Magnesium Chl	G	EX	EX	EX	EX	EX	EX	EX	EX
Magnesium Hydroxide	G	EX	G	G	EX	G	EX	EX	EX
Magnesium Sulfate	G	EX	G	EX	EX	G	EX	EX	EX
Maleic Acid	G	X	C	X	C	C	EX	G	I
Maleic Anhydride	C	EX	C	X	C	C	X	I	I
Malic Acid	G	G	C	EX	C	C	EX	I	I
Mercury	G	EX	EX	EX	EX	EX	EX	EX	EX
Mesityl Oxide	C	X	X	X	X	X	X	EX	G
Methane	X	G	X	EX	G	X	G	EX	G
Methyl Acetate	G	X	C	X	G	C	X	EX	EX
Methyl Alcohol	G	EX	EX	EX	EX	EX	X	EX	EX
Methyl Bromide	C	X	X	G	X	X	EX	I	I
Methyl Butyl Ketone (propylacetone)	G	X	X	X	X	X	X	EX	I
Methyl Cellosolve	C	G	X	G	G	X	X	EX	EX
Methyl Chloride	X	X	X	X	X	X	EX	G	X
Methyl Ethyl Ketone (MEK)	C	X	X	X	C	X	X	EX	G
Methyl Isobutyl Ketone	C	X	X	X	X	X	X	EX	G
Methyl Oleate	C	X	X	X	X	X	G	EX	I
Milk	G	EX	EX	EX	EX	EX	EX	EX	EX

Chemical Resistance Chart for Rubber Hose

Chemical	EPDM	Hypalon	Natural	Nitrile	Chloroprene	SBR	FKM	Cross Linked Poly Ethylene	CPE
Mineral Oil	X	G	X	EX	G	X	EX	EX	EX
Monochlorobenzen	X	X	X	X	X	X	EX	G	I
Monoethanolamine	G	X	G	X	X	G	X	EX	I
Monomethylether	X	G	X	EX	C	X	EX	I	G
Monovinyl Acetylene	G	G	G	EX	G	G	EX	I	G
Naphtha	X	X	X	G	C	X	EX	EX	EX
Naphthalene	X	X	X	X	X	X	EX	EX	EX
Napthenic Acid	X	X	X	G	X	X	EX	EX	EX
Natural Gas	X	EX	G	EX	EX	G	EX	EX	EX
Nickel Acetate	G	X	EX	G	G	X	X	EX	I
Nickel Choride	G	EX	EX	EX	EX	EX	EX	EX	EX
Nickel Sulfate	G	EX	G	EX	EX	G	EX	EX	EX
Nitric Acid (conc)	X	G	X	X	X	X	C	G	X
Nitric Acid (dilute)	X	EX	X	X	G	X	EX	EX	EX
Nitrobenzene	G	X	X	X	X	X	G	EX	C
Nitroethane	C	G	G	X	C	G	X	EX	EX
Nitrogen	G	EX	EX	EX	EX	EX	EX	EX	EX
Octachlorofuluene	X	X	X	X	X	X	EX	I	X
Octyl Alcohol	X	G	G	G	EX	G	EX	EX	EX
Oleic Acid	X	C	X	C	C	X	G	EX	EX
Oleum	G	G	X	G	C	X	EX	I	I
Olive Oil	C	G	X	EX	G	X	EX	EX	G
O-Dichlorobenzene	X	X	X	X	X	-	EX	I	X
Oxalic Acid	G	G	G	G	G	G	EX	EX	EX
Oxygen Cold	G	EX	G	G	EX	G	EX	EX	EX
Ozone	G	EX	X	X	C	X	EX	EX	EX
Palmitric Acid	C	C	G	EX	G	G	EX	G	EX
Peanut Oil	X	G	X	EX	C	X	EX	EX	EX
Perchloric Acid	C	G	X	X	G	X	EX	EX	I
Perchloroethylene	X	X	X	G	X	X	EX	EX	X
Petroleum	X	G	X	EX	G	X	EX	EX	EX
Phenol (carbolic Acid)	G	G	X	X	C	I	EX	EX	EX
Phenylbenzene	X	X	X	X	X	X	EX	I	X
Phenyl Hydrazine	C	X	EX	X	X	G	EX	EX	X
Phorone	X	X	X	X	X	X	X	EX	I
Phosphoric Acid 20%	G	EX	G	G	G	G	EX	EX	EX
Phosphoric Acid 80%	G	G	C	X	G	C	EX	EX	EX
Phosphorus Trichloride	G	X	X	X	X	X	EX	I	X
Picric Acid	G	G	G	G	EX	G	EX	EX	G
Pine Oil	X	X	X	EX	X	X	EX	EX	EX
Polyvinyl Acetate Emulsion	G	G	G	I	G	X	EX	I	I
Potassium Acetate	G	EX	EX	G	G	X	X	EX	EX
Potassium Chloride	G	EX	EX	EX	EX	EX	EX	EX	EX
Potassium Cupro Cyanide	EX	EX	EX	EX	EX	EX	EX	EX	EX
Potassium Cyanide	G	EX	EX	EX	EX	EX	EX	EX	EX
Potassium Dichromate	G	EX	G	EX	EX	G	EX	G	EX
Potassium Hydroxide	G	EX	G	G	G	G	X	EX	EX
Potassium Nitrate	G	EX	EX	EX	EX	EX	EX	EX	EX
Potassium Sulfate	G	G	G	EX	EX	EX	EX	EX	EX
Propane	X	G	X	EX	G	X	EX	EX	G
Propyl Acetate	C	X	X	X	X	X	X	EX	G
Propyl Alcohol	G	EX	EX	EX	EX	EX	EX	EX	EX
Propyl Nitrate	G	G	X	X	X	X	X	EX	G
Propylene	X	X	X	X	X	X	EX	EX	EX
Pyranol (transformer oil)	X	C	X	EX	G	X	EX	EX	EX
Pyridine	G	G	X	X	X	X	X	EX	I
Sal Ammoniac	G	EX	EX	EX	EX	EX	EX	EX	EX
Salicyclic Acid	G	-	EX	G	EX	G	EX	EX	EX
Salt Water	G	EX	EX	EX	EX	EX	EX	EX	EX
Sewerage	G	EX	G	EX	G	G	EX	EX	EX
Silicone Greases	G	EX	EX	EX	EX	EX	EX	EX	EX
Silicone Oils	G	EX	EX	EX	EX	EX	EX	EX	EX

Chemical Resistance Chart for Rubber Hose

Chemical	EPDM	Hypalon	Natural	Nitrile	Chloroprene	SBR	FKM	Cross Linked Poly Ethylene	CPE
Silver Nitrate	G	EX	EX	G	EX	EX	EX	EX	EX
Skydrol 500	G	X	X	X	X	X	X	EX	G
Skydrol 7000	G	X	X	X	X	X	G	EX	G
Soap Solutions	G	EX	G	EX	G	EX	EX	EX	EX
Soda Ash	G	EX	EX	EX	EX	EX	EX	EX	EX
Sodium Acetate	G	EX	EX	G	G	X	X	EX	EX
Sodium Bicarbonate	G	EX	EX	EX	EX	EX	EX	EX	EX
Sodium Bisulphate	G	EX	EX	EX	EX	G	EX	EX	EX
Sodium Borate	G	EX	EX	EX	EX	EX	EX	EX	EX
Sodium Chloride	G	EX	EX	EX	EX	EX	EX	EX	EX
Sodium Cyanide	G	EX	EX	EX	EX	EX	EX	EX	EX
Sodium Hydroxide	G	EX	EX	G	EX	EX	G	EX	EX
Sodium Hypochlorite	C	EX	X	G	EX	X	EX	G	EX
Sodium Metaphospate	G	G	EX	EX	G	EX	EX	EX	EX
Sodium Nitrate	G	EX	G	G	G	EX	I	EX	EX
Sodium Perborate	G	G	G	G	G	G	EX	EX	I
Sodium Peroxide	G	G	G	G	G	G	EX	EX	G
Sodium Phosphate	G	EX	EX	EX	G	EX	EX	EX	EX
Sodium Silicate	G	EX	EX	EX	EX	EX	EX	EX	EX
Sodium Sulfate	G	EX	G	EX	EX	G	EX	EX	EX
Sodium Thiosulfate	G	EX	G	G	EX	G	EX	EX	EX
Soybean Oil	X	C	X	EX	G	X	EX	EX	I
Stannic Chloride	G	EX	EX	EX	G	EX	EX	EX	EX
Steam	G	X	X	X	C	X	X	X	X
Stearic Acid	G	G	G	G	G	G	I	EX	EX
Styrene	X	X	X	X	X	X	G	G	C
Sucrose Solution	G	G	EX	EX	G	EX	EX	EX	EX
Sulfur	G	EX	X	X	EX	X	EX	EX	I
Sulfur Chloride	X	G	X	C	C	X	EX	EX	I
Sulfur Dioxide	G	G	G	X	X	G	EX	EX	I
Sulfuric Trioxide	C	X	G	X	X	G	EX	G	X
Sulfuric Acid 10%	G	EX	C	C	G	C	EX	EX	EX
Sulfuric Acid 10%-75%	G	C	X	X	X	X	EX	EX	X
Sulfurous Acid	G	EX	G	G	G	G	EX	EX	EX
Tannic Acid	G	EX	EX	EX	EX	EX	EX	EX	EX
Tar Bituminous	X	X	X	G	C	X	EX	I	I
Tartaric Acid	C	EX	C	EX	G	X	EX	EX	EX
Terpineol	X	X	X	G	X	X	EX	G	EX
Tertiary Butyl Alcohol	G	G	G	G	G	G	EX	EX	G
Tetrachloroethylene	X	X	X	X	X	X	EX	EX	C
Tetraethyl Lead	X	X	X	G	G	X	EX	I	I
Toluene	X	X	X	X	X	X	EX	EX	C
Transformer Oil	X	C	X	EX	G	X	EX	EX	EX
Transmission Fluid	X	G	X	EX	G	X	EX	EX	EX
Trichloroethane	X	X	X	X	X	X	EX	EX	C
Trichloroacetic Acid	C	X	C	G	X	G	C	EX	I
Trichloroethylene	X	X	X	X	X	X	EX	EX	X
Tricresyl Phosphate	X	X	X	X	X	C	EX	EX	EX
Triethanol Amine	G	G	G	G	EX	G	X	EX	EX
Trinitrotoluene	X	G	X	X	G	X	EX	EX	G
Turbine Oil	X	X	X	G	X	X	EX	EX	I
Turpentine	X	X	X	EX	X	X	EX	EX	I
Vegetable Oils	X	G	X	EX	C	X	EX	EX	EX
Vinegar	G	EX	G	G	G	G	EX	EX	EX
Vinyl Chloride	X	X	X	X	X	X	EX	EX	C
Water	G	EX	EX	EX	EX	EX	EX	EX	EX
Whiskey, Wines	G	EX	EX	EX	EX	EX	EX	EX	EX
White Oil	X	X	X	EX	G	X	EX	EX	EX
Wood Oil	X	C	X	EX	G	X	EX	EX	EX
Xylene	X	X	X	X	X	X	EX	EX	EX
Zinc Chloride	G	EX	EX	EX	EX	EX	EX	EX	EX
Zinc Sulfate	G	EX	G	EX	EX	G	EX	EX	EX

Chemical Resistance Specifications for PVC Hose

Plasticisers are incorporated in PVC compounds so as to confer flexibility and softness. Plasticised compounds can cover a very wide range of flexibility and softness and will also differ in other respects eg tensile strength and resilience, according to the type and/or amount of plasticiser/s used. For example, the type of plasticiser used will affect chemical resistance, but in this note, it has been assumed that a commonly used, fairly resistant plasticiser such as dioctyl phthalate (DOP) would be present.
The amount of plasticiser incorporated will also affect the chemical resistance, an increase in plasticiser content leads to a deterioration in chemical resistance because the plasticiser is less resistant to attack than the PVC. The chemical resistance to be expected from plasticised PVC when D.O.P is used as the plasticiser is summarised in the following paragraphs.

Acids and Alkalis

Dilute acids and alkalis have little effect at room temperature, but at elevated temperatures, some hydrolysis and extraction of plasticiser may occur. Concentrated acids and alkalis hydrolyse plasticisers slowly in the cold and more rapidly when heated. The main effect of organic liquids on plasticised PVC is to extract the plasticiser and this results in some hardening, particularly when the PVC is removed from contact with the liquid. The compound may become rigid and less tough. Most organic solvents will extract plasticiser and give rise to these effects, but with aromatic and chlorinated hydrocarbons, and aliphatic and cyclic ethers, this plasticiser extraction is accompanied by a softening of the PVC and the overall effect is difficult to predict. With certain solvents too, the plasticiser extracted is replaced by the solvent so that the compound remains flexible provided it remains in contact with that liquid. On allowing the solvent to evaporate the material will stiffen and will not soften on re-immersion.

The undesirable effects previously mentioned which can occur with PVC compounds containing a monomeric ester type plasticiser, such as DOP, can be prevented or reduced by the use instead of a polyermic type of plasticiser which affords a higher resistance to extraction. Such plasticisers include polypropylene adipate (PPA) and polypropylene sebacate (PPS), the former being of value in contact with oils and fuels and the latter showing a high degree of resistance to soap and detergent solutions.

The symbols used to denote performance are as follows:

1. Satisfactory
2. Recommended for the service and conditions for Oil hoses
3. The material may be considered for use when alternative materials are unsatisfactory, and when limited life is acceptable
4. When PVC is to be used with such chemicals, full-scale trials under realistic conditions are particularly necessary
5. Unsatisfactory

For materials that have been rated as having Limited Life or Unsatisfactory, the material should only be considered for use when alternative materials are unsatisfactory and where limited life is accepted. When PVC is to be used with such chemicals, full-scale trials under realistic conditions are particularly necessary.

It may be safely assumed that chemical resistance decreases with both increasing temperature and with increasing concentration of reagent and that the reverse is also true. No valid assumptions can be made, however, if the temperature and concentration move in compensating directions. The following Chemical Resistance Chart is not intended to be complete. Chemicals missing from this chart do not indicate unsuitability.

Chemical Resistance Chart - refer to pages 75-76

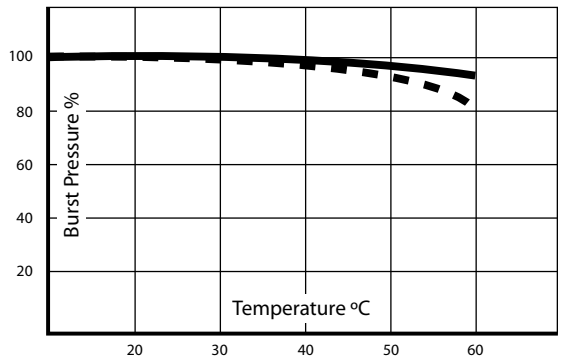
Temperature Chart for Layflat Hoses

PVC is a thermoplastic material and therefore, burst pressure varies with temperature.

The graph shows variation in burst temperature with temperature for the different types of layflat hoses.

High-pressure Brick Red, Green Dewatering

Low Pressure Blue



Chemical Resistance Chart for PVC Hose

The symbols used to denote performance are as follows:

1. Satisfactory
2. Recommended for the service and conditions for oil hoses
3. The material may be considered for use when alternative materials are unsatisfactory, and when limited life is acceptable
4. When PVC is to be used with such chemicals, full-scale trials under realistic conditions are particularly necessary
5. Unsatisfactory

Chemical	Concentration	Conditions	
		20°C	60°C
Acetic Acid	10%	1	3
	60%	1	3
	Glacial	5	5
Acetic anhydride		5	5
Acetone	Traces	5	5
	100%	5	5
Adipic acid		4	4
Alcohol allyl		5	5
Alcohol ethyl	40% w/w water	1	4
	100%	1	4
Alcohol isopropyl		1	4
Alcohol methyl	6% aq. solution	1	1
	100%	3	4
Allyl chloride		5	5
Aluminium salts		1	1
Ammonia	s.g. = 0.88 aq. solution	1	5
	Dry gas	4	4
	Liquid	4	4
Ammonium hydroxide		1	4
Ammonium salts		1	1
Ammonium sulfide		1	5
Aniline		5	5
Animal oil		1	4
Barium salts		1	1
Beer		1	4
Benzaldehyde	Traces	5	5
	100%	5	5
Benzene		5	5
Borax		1	4
Brine		1	1
Bromine	Gas, traces	5	5
	100% dry gas	5	5
	Liquid	5	5
Butane		4	4
Butanol		1	4
Butyl acetate		5	5
Butyric acid	20% aq. solution	1	4
	Concentrate	5	5
Calcium hydroxide		1	4
Calcium hypochlorite		1	4
Calcium salts		1	1
Carbon dioxide		1	1
Carbon disulphide		5	5
Carbon monoxide		1	1
Carbon tetrachloride		5	5
Casein		1	1
Chlorine water	Saturated solution	3	5
Chlorobenzene		5	5
Chlorine	10% (dry gas)	4	4
	100% (dry gas)	4	4
	10% (most gas)	4	4
Chloroform		5	5
Chlorosulfonic acid		5	5
Chromic acid	Plating solution	5	5
	Conc	4	4
Citric acid		1	4

Chemical	Concentration	Conditions	
		20°C	60°C
Copper salts		1	1
Cucloexanol		5	5
Cycloexanone		5	5
Detergents, synthetic	All concentrates	1	4
Developers, photographic		1	1
Dextrose		1	1
Dichlorethylene		5	5
Dichlorobenzene		5	5
Diesel oil		2	2
Diethyl ether		5	5
Dimethylamine		4	4
Emulsifiers	All concentrates	1	1
Emulsions, photographic		1	1
Ether		5	5
Ethyl acetate		5	5
Ethylene dichloride		5	5
Ethylene glycol		1	4
Fatty acids		4	4
Ferric salts		1	1
Fixing solution, photographic		1	1
Fluorine		5	5
Formaldehyde	40% w/w in water	1	4
Formic acid	40%	4	4
	50%	3	5
	100%	5	5
Glucose		1	1
Glycerine		1	4
Grape sugar		1	1
Hydrochloric acid	10% aq. solution	1	1
	22%	1	1
	Conc.	1	3
	4% aq. solution	1	
Hydrofluoric acid	40% aq. solution	1	4
	60% aq. solution	5	5
	Concentrate	5	5
Hydrogen		1	1
Hydrogen bromide anhydrous		1	4
Hydrogen chloride anhydrous		1	4
Hydrogen fluoride		1	4
Hydrogen peroxide	3% (10 vol)	1	4
	12% (40 vol)	1	4
	30% (100 vol)	1	4
	90% and above	1	4
Hydrogen sulphite		1	4
Iodine	Solution in potassium	4	4
	Iodide	5	5
Lacquer solvents		3	5

Chemical Resistance Chart for PVC Hose

Chemical	Concentration	Conditions	
		20°C	60°C
Lactic acid	10%	1	4
	100%	5	5
Lauric acid		1	4
Lauryl alcohol		1	1
Leads salts		1	1
Magnesium salts		1	1
Manganese sulphate	Concentrate solution	1	1
Mercuric chloride		5	5
Methyl chloride		5	5
Methyl ethyl ketone		5	5
Methylene chloride		5	5
Milk		1	4
Mineral oils		2	2
Mixed acids (sulphuric/nitiric)	Various proportions	4	5
Molasses		1	1
Naphtha		5	5
Naphthalene		5	5
Nickel salts		1	1
Nitric acid	10%	1	4
	25%	1	4
	50%	1	3
	70%	3	5
	95%	5	5
Nitrobenzene		5	5
Nitrogen fertilizers		1	4
Nitrous fumes	Moist	4	5
Oleic acid		1	4
Oxalic acid		1	4
Oxygen		1	1
Ozone		1	4
Palmitic acid		1	4
Paraffin		3	4
Petrol		2	2
Petrol benzene mixture	80:20	5	5
Phenol		4	5
Phosphoric acid	20% aq. solution	1	1
	30% aq. solution	1	1
Phosphoric developers		1	1
Photographic emulsions		1	1
Photo fixing solution		1	1
Picric acid	1% w/w in water	1	1
	10% w/w in alcohol	1	4
Potassium hydroxide	1% aq. solution	1	1
	10% aq solution	1	1
	conc. aq. solution	1	5
Potassium salts		1	1
Propane		2	2
Propylene dichloride		5	5
Salicylic acid		4	4
Sea water		1	1

Chemical	Concentration	Conditions	
		20°C	60°C
Soap solution		1	4
Sodium hydroxide	1% aq. solution	1	4
	10% aq. solution	1	3
	40% aq. solution	1	5
	Conc. aq. solution	1	5
Sodium hypochlorite	15% act. cl	1	3
Sodium salts		1	1
Sulphur dioxide	Dry	1	1
	Moist	4	5
	Liquid	4	5
Sulphuric acid	10%	1	1
	45%	1	1
	50%	1	3
	60%	3	3
	98%	5	5
	Fuming	5	5
Sulphurous acid	30%	1	4
Tallow		1	4
Tannic acid		1	4
Tanning extracts		1	4
Tartaric acids		1	4
Tetraethyl lead		1	4
Tetrahydrofuran		5	5
Tetralin		5	5
Toluene		5	5
Transformer oil		2	5
Trichloroethane		5	5
Triethanolamine		1	1
Trichloroethylene		5	5
Triethylamine		4	4
Turpentine		4	4
Urea		1	4
Vegetable oil		1	4
Vinegar		1	4
Vinyl acetate		5	5
Water		1	1
Wetting agents		1	1
Wines and spirits	All concentrates	1	4
Xylene		5	5
Zinc salts		1	1

Composite Hose & Fittings 80

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Composite Petrol/Oil Suction/Delivery (CODE1000)

Application

- This anti-static composite hose is engineered for both suction and discharge applications on plant equipment, road tankers, and rail tankers. It is suitable for a wide range of hydrocarbons, offering 100% aromatic resistance. The hose is constructed in accordance with hose and assembly standards AS 2683 and EN 13765 designed to be lightweight and flexible for easy handling, while still being robust, durable, and cost-effective.

Features

- Ozone resistant
- Weather resistant
- Abrasion resistant
- Oil resistant
- Mandrel Built

Hose Construction

- Tube: composite - white
- Reinforcement: polypropylene film and fabric
- Outer wire: galvanised steel
- Inner wire: galvanised steel
- Cover: composite - green

Standards

- AS 2683:2000 Type 1 Grade 3 and EN1 3765:2018 Type 3

Temperature

- -30°C to 80°C



ID (mm)	Part Number	Pressures				Vacuum (Bar)	Bend Radius (mm)	Weight (kg/mtr)
		Working		Burst				
		PSI	Bar	PSI	Bar			
25.4	CODE1000025	150	10	750	50	0.9	100	0.90
31.8	CODE1000032	150	10	750	50	0.9	125	1.27
38.1	CODE1000040	150	10	750	50	0.9	100	1.47
50.8	CODE1000050	150	10	750	50	0.9	150	1.83
63.5	CODE1000065	150	10	750	50	0.9	200	2.46
76.2	CODE1000080	150	10	750	50	0.9	250	2.87
101.6	CODE1000100	150	10	750	50	0.9	300	4.15

Product Group: BB06

Composite Petrol/Oil Delivery Hose Assembly (CODE1000)

Application

- Anti-static lightweight and flexible suction and delivery hose for a wide variety of hydrocarbons where 100% aromatic resistance is required. Hard-wearing and cost-effective. Used on plant, rail, and road tankers for the transfer of fuels. Fuel depots and refineries, transport contractors.

Features

- Standard length up to a maximum of 40mtrs
- Available in sizes 25mm ID to 100mm ID
- Available with a wide variety of end configurations; camlocks, flanges, male and female fittings etc.



Assembly Working Pressure - PSI						
25 (mm)	32 (mm)	38 (mm)	50 (mm)	65 (mm)	76 (mm)	100 (mm)
150	150	150	150	150	150	150

Composite Petrol/Oil Suction/Delivery (CODE1003)

Application

- This anti-static composite hose is engineered for both suction and discharge applications on plant equipment, road tankers, and rail tankers. It is suitable for a wide range of hydrocarbons, offering 100% aromatic resistance. The hose is constructed in accordance with hose and assembly standards AS 2683 and EN 13765 designed to be lightweight and flexible for easy handling, while still being robust, durable, and cost-effective.

Features

- Ozone resistant
- Weather resistant
- Abrasion resistant
- Oil resistant
- Mandrel Built

Hose Construction

- Tube: composite - white
- Reinforcement: polypropylene film and fabric
- Outer wire: galvanised steel
- Inner wire: aluminium
- Cover: composite - yellow

Standards

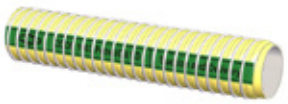
- AS 2683:2000 Type 1 Grade 3 and EN1 3765:2018 Type 3

Temperature

- -30°C to 80°C

ID (mm)	Part Number	Pressures				Vacuum (Bar)	Bend Radius (mm)	Weight (kg/ mtr)
		Working		Burst				
		PSI	Bar	PSI	Bar			
38.1	CODE1003040	100	7	500	35	0.9	100	1.11
50.8	CODE1003050	100	7	500	35	0.9	150	1.38
63.5	CODE1003065	100	7	500	35	0.9	200	1.87
76.2	CODE1003080	100	7	500	35	0.9	250	2.20
101.6	CODE1003100	100	7	500	35	0.9	300	3.22

Product Group: BB06



Composite Vapour Recovery (CODEVRH)

Application

- This anti-static composite hose is engineered specifically for vapour recovery applications, for a wide range of hydrocarbons, offering 100% aromatic resistance. The hose is constructed in accordance with hose and assembly standards AS 2683 and EN 13765 designed to be lightweight and flexible for easy handling, while still being robust, durable, and cost-effective.

Features

- Ozone resistant
- Weather resistant
- Abrasion resistant
- Oil resistant
- Mandrel Built

Hose Construction

- Tube: composite - white
- Reinforcement: polypropylene film and fabric
- Outer wire: galvanised steel
- Inner wire: galvanised steel
- Cover: composite - black

Standards

- AS 2683:2000 Type 1 Grade 3 and EN1 3765:2018 Type 3

Temperature

- -30°C to 80°C

ID (mm)	Part Number	Pressures				Vacuum (Bar)	Bend Radius (mm)	Weight (kg/ mtr)
		Working		Burst				
		PSI	Bar	PSI	Bar			
101.6	CODEVRH100	70	5	350	25	0.9	300	3.10

Product Group: BB06



Composite HydroFrac Suction/Delivery (CODEFRAC)

Applications

- This anti-static, high-pressure, chemically resistant composite hose is primarily designed for hydraulic fracturing applications. It is also suitable for use with pumps, process equipment, road tankers, and rail tankers, and can handle a wide range of hydrocarbons with 100% aromatic resistance. Constructed in accordance with EN 13765 hose and assembly standards. Thanks to its Armatex abrasion resistant cover, it remains robust and durable, while maintaining good flexibility.

Features

- Ozone resistant
- Weather resistant
- Abrasion resistant
- Chemical resistant
- Oil resistant
- Armatex abrasion resistant
- Mandrel Built

Hose Construction

- Tube: composite - white
- Reinforcement: polypropylene/UHMWPE film and fabric
- Outer wire: galvanised steel
- Inner wire: poly coated
- Cover: composite - olive green

Temperature

- -40°C to 100°C

Standards

- EN 13765:2018 Type 3



ID (mm)	Part Number	Pressures				Vacuum (Bar)	Bend Radius (mm)	Weight (kg/mtr)
		Working		Burst				
		PSI	Bar	PSI	Bar			
76.2	CODEFRAC080	230	16	960	64	0.9	200	4.00
101.6	CODEFRAC100	230	16	960	64	0.9	360	5.8
152.4	CODEFRAC150	230	16	960	64	0.9	500	12.50
203.2	CODEFRAC200	230	16	960	64	0.9	800	17.50

Product Group: BB37

Composite Chemical Suction/Delivery Hose (CODE951)

Applications

- This anti-static composite hose is engineered for use with a wide range of chemicals for both suction and discharge applications. Primarily used with pumps, process equipment, road tankers and rail tankers. The hose is constructed in accordance with hose and assembly standards EN 13765 designed to be lightweight and flexible for easy handling, while still being robust, durable, and cost-effective.

Features

- Ozone resistant
- Weather resistant
- Abrasion resistant
- Chemical resistant
- Oil resistant
- Mandrel Built

Hose Construction

- Tube: composite - white
- Reinforcement: polypropylene film and fabric
- Outer wire: galvanised steel
- Inner wire: poly coated
- Cover: composite - grey

Temperature

- -30°C to 80°C

Standards

- EN 13765:2018 Type 2



ID (mm)	Part Number	Pressures				Vacuum (Bar)	Bend Radius (mm)	Weight (kg/mtr)
		Working		Burst				
		PSI	Bar	PSI	Bar			
25.4	CODE951025	150	10	750	50	0.9	100	0.77
38.1	CODE951040	150	10	750	50	0.9	100	1.04
50.8	CODE951050	150	10	750	50	0.9	150	1.56
63.5	CODE951065	150	10	750	50	0.9	200	1.87
76.2	CODE951080	150	10	750	50	0.9	250	2.23
101.6	CODE951100	150	10	750	50	0.9	300	3.62

Product Group: BB06

Composite Chemical Suction/Delivery Hose (CODE952)

Applications

- This anti-static composite hose is engineered for use with a wide range of chemicals for both suction and discharge applications. Primarily used with pumps, process equipment, road tankers and rail tankers. The hose is constructed in accordance with hose and assembly standards EN 13765 designed to be lightweight and flexible for easy handling, while still being robust, durable, and cost-effective.

Features

- Ozone resistant
- Weather resistant
- Abrasion resistant
- Chemical resistant
- Oil resistant
- Armatex abrasion resistant
- Mandrel Built

Hose Construction

- Tube: composite - white
- Reinforcement: polypropylene film and fabric
- Outer wire: stainless steel
- Inner wire: poly coated
- Cover: composite - grey

Temperature

- -30°C to 80°C

Standards

- EN 13765:2018 Type 2

ID (mm)	Part Number	Pressures				Vacuum (Bar)	Bend Radius (mm)	Weight (kg/ mtr)
		Working		Burst				
		PSI	Bar	PSI	Bar			
50.8	CODE952050	150	10	750	50	0.9	150	1.56
63.5	CODE952065	150	10	750	50	0.9	200	1.87
76.2	CODE952080	150	10	750	50	0.9	250	2.23
101.6	CODE952100	150	10	750	50	0.9	300	3.62

Product Group: BB06



Composite Chemical Hose (CODE951/CODE952)

Applications

- Anti-Static lightweight, robust and flexible suction and delivery hose for a wide range of chemicals. Hard-wearing and cost-effective. Used on plant, rail and road tankers for chemical transfer. mine sites, chemical manufacturing plants.

Features

- Standard length up to a maximum of 40mtrs
- Available in sizes 25mm ID to 100mm ID
- Available with a wide variety of end configurations; camlocks, flanges, male and female fittings etc.

Assembly Working Pressure - PSI

25 (mm)	32 (mm)	38 (mm)	50 (mm)	65 (mm)	76 (mm)	100 (mm)
150	150	150	150	150	150	150



- Assembly working pressures may vary slightly depending on the size, hose, fittings and clamps selected
- Dixon™ recommends gathering all S.T.A.M.P.E.D. information to ensure the selected hose assembly is suitable for the required service or application and ensure all hose assebmlies be proof tested to prove the assemblies integrity and tagged to clearly show the hose assemblies working pressure

Composite Scroll Tail Series

Applications

- Spiral camlock fittings and ferrules are for use with the composite hose to suit the pitch of the wires on the hose. Ideal for a wide variety of applications including, water, oil/fuel, powders, and adhesives. Nitrile Buna-N rubber seals are standard.





Size		Part Numbers			
		Type C Coupler x Hose Tail		Type E Adaptor x Hose Tail	
mm	inch	Aluminium	Stainless Steel	Aluminium	Stainless Steel
40	1½	STC040AL	STC040SS	STE040AL	STE040SS
50	2	STC050AL	STC050SS	STE050AL	STE050SS
65	2½	STC065AL	STC065SS	STE065AL	STE065SS
80	3	STC080AL	STC080SS	STE080AL	STE080SS
100	4	STC100AL	STC100SS	STE100AL	STE100SS

Refer to Section C Camlock Accessories for spare parts - page 106

Product Group: BB06





Size		Part Numbers		
mm	inch	Type C Coupler x Hose Tail	Type E Adaptor x Hose Tail	Type C Coupler x 68° Hose Tail
40	1½	STC150AL	STE150AL	-
50	2	STC200AL	STE200AL	-
65	2½	STC250AL	STE250AL	-
80	3	STC300AL	STE300AL	STC30068AL
100	4	STC400AL	STE300AL	STC40068AL

Product Group: BB06

Vapour Recovery Coupler



Size		Part Number
mm	inch	
100	4	VRST400

Product Group: BB06

Scroll Tail Crimp Stems - Buttweld



Size		Part Numbers
mm	inch	
150	6	STWO150CS
200	8	STWO200CS

Product Group: BB06

Scroll Tail Crimp Stems - Threaded





Size		Part Numbers					
		Aluminium		Carbon Steel		Stainless Steel	
mm	inch	BSP	NPT	BSP	NPT	BSP	NPT
25	1	STM025AL	STM025ALNPT	-	-	STM025SS	STM025SSNPT
32	1¼	STM032AL	STM032ALNPT	-	-	STM032SS	STM032SSNPT
40	1½	STM040AL	STM040ALNPT	-	-	STM040SS	STM040SSNPT
50	2	STM050AL	STM050ALNPT	STM050CS	STM050CSNPT	STM050SS	STM050SSNPT
65	2½	STM065AL	STM065ALNPT	STM065CS	STM065CSNPT	STM065SS	STM065SSNPT
80	3	STM080AL	STM080ALNPT	STM080CS	STM080CSNPT	STM080SS	STM080SSNPT
100	4	STM100AL	STM100ALNPT	STM100CS	STM100CSNPT	STM100SS	STM100SSNPT
150	6	-	-	-	STM150CSNPT	-	-

Product Group: BB06

Crimp Ferrules



Size		Part Numbers		
mm	inch	Aluminium	Carbon Steel	Stainless Steel
25	1	-	STF025CS	STF025SS
32	1¼	-	STF032CS	STF032SS
40	1½	STF040AL	STF040CS	STF040SS
50	2	STF050AL	STF050CS	STF050SS
65	2½	STF065AL	STF065CS	STF065SS
80	3	STF080AL	STF080CS	STF080SS
100	4	STF100AL	STF100CS	STF100SS
150	6	-	STF150CS	STF150SS
200	8	-	STF200CS	STF200SS

Product Group: BB06

Crimp Cup Seals



Size		Part Numbers	
mm	inch	Nitrile Buna	FKM
40	1½	GKCH150NBR	GKCH150V
50	2	GKCH200NBR	GKCH200V
65	2½	GKCH250NBR	GKCH250V
80	3	GKCH300NBR	GKCH300V
100	4	GKCH400NBR	GKCH400V
150	6	GKCH600NBR	-
200	8	GKCH800NBR	-

Product Group: BB06

Reliable Camlock Solutions for Every Application



We stock an extensive range of high-quality camlock fittings, including **Premium, Standard, Vent-Lock®, King Crimp®, and EZ Boss-Lock®** options. Whether you're working in industrial, agricultural, or fluid transfer environments, our camlocks deliver the performance, durability, and safety you can trust.

DIXON

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Specifications - Design Information

Application

The Dixon™ camlock coupling is a reliable quick-connect coupling for use with hose, pipe, tubing, and tanks conveying a wide variety of liquids, dry bulk materials, and vapours including cooling water, fuels, chemicals, cosmetics, food products, adhesives, dyes, pharmaceuticals, pellets and much more.

How does it work?

To make the connection, slide the male adaptor into the female coupler and with normal hand pressure, press the cam levers down. Uncoupling is as quick and simple as coupling. Lift the cam arms and remove the adaptor.

Approvals

The Dixon™ range of camlock couplers and adaptors are manufactured to interchange with all products produced to commercial item description A-A 59326D, which supersedes Mil-C-27487. No standard exists for the 15mm (½") & 200mm (8") fittings and generally, these sizes do not interchange with other manufacturers.

Pressure Ratings

Designed for use with liquids. Consult Dixon™ for specific recommendations. Recommendations are based on the use of mating Dixon™ fittings at an ambient temperature of 21°C with a standard seal as noted in the table below. For use at elevated temperatures or other unusual operating conditions, consult your Dixon™ representative.

Aluminium, Bronze, Brass, Stainless Steel & Malleable Camlocks

Size (mm)	15	20-50	65	75	100	125-150	200
Pressure (PSI)	150	250	150	125	100	75	50

Polypropylene & Nyglass Camlocks

Size (mm)	15-20	32-50	75	100
Pressure (PSI)	125	100	60	50

Materials

The Dixon™ range of camlock couplers and adaptors are manufactured from the following materials:

- Aluminium conforming to the requirements of ASTM-A383
- Stainless steel grade CF8M (316 Equivalent) in accordance with the requirements of ASTM-A351
- Bronze grade UNS C84400 in accordance with the requirements of ASTM-B584
- Brass grade UNS C38500 in accordance with the requirements of ASTM-B455
- Polypropylene 30% glass filled
- Nyglass 30% glass filled
- Hastelloy

Body	Levers	Pins	Pull Rings	Seal
Die Cast Aluminium	Brass	Zinc Plated Steel	Zinc Plated Steel	Nitrile Buna Rubber
Brass	210 Stainless Steel	Zinc Plated Steel	Zinc Plated Steel	Nitrile Buna Rubber
Bronze	210 Stainless Steel	Zinc Plated Steel	Zinc Plated Steel	Nitrile Buna Rubber
Polypropylene	210 Stainless Steel	Zinc Plated Steel	Zinc Plated Steel	EPDM
Nyglass	210 Stainless Steel	Zinc Plated Steel	Zinc Plated Steel	EPDM
Stainless Steel	210 Stainless Steel	303 Stainless Steel	316 Stainless Steel	Nitrile Buna Rubber
Hastelloy	316 Stainless Steel	302 Stainless Steel	316 Stainless Steel	FKM

Welding of Camlocks

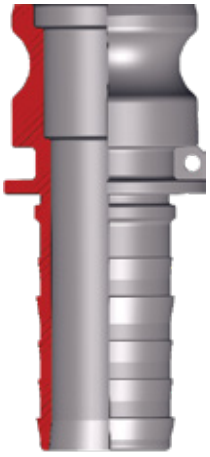
Couplings made using the die-cast process must not be welded. Although bronze sand cast couplings made from the above materials may be welded using the appropriate welding equipment and compatible filler material, any modifications to the product will void your warranty. Welding the couplings changes the integrity of the coupling therefore Dixon™ will not accept any responsibility for modified couplings.

- Under no circumstances should camlock couplings be used in compressed air or steam applications
- Polypropylene and nyglass should not be mixed with aluminium fittings
- Dust caps and dust plugs are not to be used in any pressure applications for safety and environmental reasons

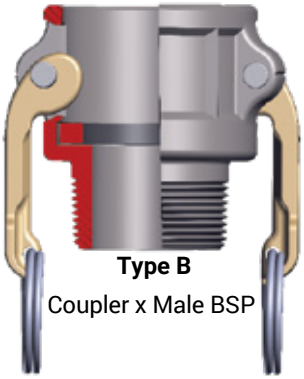
Camlock Configurations



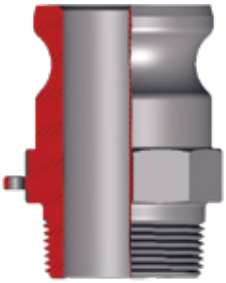
Type A
Adaptor x Female BSP



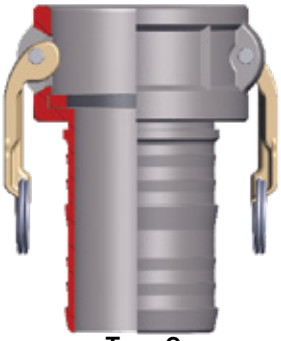
Type E
Adaptor x Hose Tail



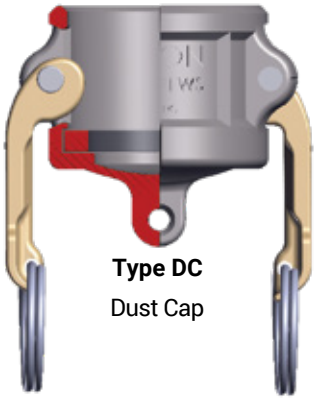
Type B
Coupler x Male BSP



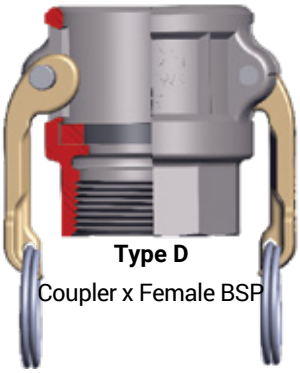
Type F
Adaptor x Male BSP



Type C
Coupler x Hose Tail



Type DC
Dust Cap



Type D
Coupler x Female BSP



Type DP
Dust Plug

Dixon™ Premium Type A

Adaptor x Female BSP



Size (mm)	Working Pressure (PSI)	Part Numbers					
		Aluminium	Bronze	Stainless Steel	Brass	Polypropylene	Nyglass
15	150	ALDC050A	BR050A	SS050A	-	PPA050A[1]	NGA050A
20	250	ALDC075A	BR075A	SS075A	BRSS075A	PPA075A	NGA075A
25	250	ALDC100A	BR100A	SS100A	BRSS100A	PPA100A	NGA100A
32	250	ALDC125A	BR125A	SS125A	BRSS125A	PPA125A	NGA125A
40	250	ALDC150A	BR150A	SS150A	BRSS150A	PPA150A	NGA150A
50	250	ALDC200A	BR200A	SS200A	BRSS200A	PPA200A	NGA200A
65	150	ALDC250A	BR250A	SS250A	BRSS250A	-	-
75	125	ALDC300A	BR300A	SS300A	BRSS300A	PPA300A	NGA300A
100	100	ALDC400A	BR400A	SS400A	BRSS400A	PPA400A	NGA400A
125	75	ALDC500A	BR500A	SS500A	-	-	-
150	75	ALDC600A	BR600A	SS600A	-	-	-
		PG: AL12	PG: AL06	PG: AL05	PG: AL14	PG: AL08	PG: AL09

[1]Adaptor size is 20mm
Hastelloy available in selected sizes

Dixon™ Premium Type B

Coupler x Male BSP



Size (mm)	Working Pressure (PSI)	Part Numbers					
		Aluminium	Bronze	Stainless Steel	Brass	Polypropylene	Nyglass
15	150	ALDC050B	BR050B	SS050B	-	PPB050A[1]	NGB050A
20	250	ALDC075B	BR075B	SS075B	BRSS075B	PPB075A	NGB075A
25	250	ALDC100B	BR100B	SS100B	BRSS100B	PPB100A	NGB100A
32	250	ALDC125B	BR125B	SS125B	BRSS125B	PPB125A	NGB125A
40	250	ALDC150B	BR150B	SS150B	BRSS150B	PPB150A	NGB150A
50	250	ALDC200B	BR200B	SS200B	BRSS200B	PPB200A	NGB200A
65	150	ALDC250B	BR250B	SS250B	BRSS250B	-	-
75	125	ALDC300B	BR300B	SS300B	BRSS300B	PPB300A	NGB300A
100	100	ALDC400B	BR400B	SS400B	BRSS400B	PPB400A	NGB400A
125	75	ALDC500B	BR500B	SS500B	-	-	-
150	75	ALDC600B	BR600B	SS600B	-	-	-
		PG: AL12	PG: AL06	PG: AL05	PG: AL14	PG: AL08	PG: AL09

[1]Coupler size is 20mm
Hastelloy available in selected sizes

- Under no circumstances should camlock couplings be used in compressed air or steam applications
- Polypropylene and nyglass should not be mixed with aluminium fittings

Dixon™ Premium Type C
Coupler x Hose Tail



Size (mm)	Working Pressure (PSI)	Part Numbers					
		Aluminium	Bronze	Stainless Steel	Brass	Polypropylene	Nyglass
15	150	ALDC050C	BR050C	SS050C	-	PPC050A[1]	NGC050A
20	250	ALDC075C	BR075C	SS075C	BRSS075C	PPC075A	NGC075A
25	250	ALDC100C	BR100C	SS100C	BRSS100C	PPC100A	NGC100A
32	250	ALDC125C	BR125C	SS125C	BRSS125C	PPC125A	NGC125A
40	250	ALDC150C	BR150C	SS150C	BRSS150C	PPC150A	NGC150A
50	250	ALDC200C	BR200C	SS200C	BRSS200C	PPC200A	NGC200A
65	150	ALDC250C	BR250C	SS250C	BRSS250C	-	-
75	125	ALDC300C	BR300C	SS300C	BRSS300C	PPC300A	NGC300A
100	100	ALDC400C	BR400C	SS400C	BRSS400C	PPC400A	NGC400A
125	75	ALDC500C	BR500C	SS500C	-	-	-
150	75	ALDC600C	BR600C	SS600C	-	-	-
		PG: AL06	PG: AL12	PG: AL05	PG: AL14	PG: AL08	PG: AL09

[1]Coupler size is 20mm
Hastelloy available in selected sizes

Dixon™ Premium Type D
Coupler x Female BSP



Size (mm)	Working Pressure (PSI)	Part Numbers					
		Aluminium	Bronze	Stainless Steel	Brass	Polypropylene	Nyglass
15	150	ALDC050D	BR050D	SS050D	-	PPD050A[1]	NGD050A
20	250	ALDC075D	BR075D	SS075D	BRSS075D	PPD075A	NGD075A
25	250	ALDC100D	BR100D	SS100D	BRSS100D	PPD100A	NGD100A
32	250	ALDC125D	BR125D	SS125D	BRSS125D	PPD125A	NGD125A
40	250	ALDC150D	BR150D	SS150D	BRSS150D	PPD150A	NGD150A
50	250	ALDC200D	BR200D	SS200D	BRSS200D	PPD200A	NGD200A
65	150	ALDC250D	BR250D	SS250D	BRSS250D	-	-
75	125	ALDC300D	BR300D	SS300D	BRSS300D	PPD300A	NGD300A
100	100	ALDC400D	BR400D	SS400D	BRSS400D	PPD400A	NGD400A
125	75	ALDC500D	BR500D	SS500D	-	-	-
150	75	ALDC600D	BR600D	SS600D	-	-	-
		PG: AL12	PG: AL06	PG: AL05	PG: AL14	PG: AL08	PG: AL09

[1]Coupler size is 20mm
Hastelloy available in selected sizes

- Under no circumstances should camlock couplings be used in compressed air or steam applications
- Polypropylene and nyglass should not be mixed with aluminium fittings

Dixon™ Premium Type E

Adaptor x Hose Tail



Size (mm)	Working Pressure (PSI)	Part Numbers					
		Aluminium	Bronze	Stainless Steel	Brass	Polypropylene	Nyglass
15	150	ALDC050E	BR050E	SS050E	-	PPE050A[1]	NGE050A[1]
20	250	ALDC075E	BR075E	SS075E	BRSS075E	PPE075A	NGE075A
25	250	ALDC100E	BR100E	SS100E	BRSS100E	PPE100A	NGE100A
32	250	ALDC125E	BR125E	SS125E	BRSS125E	PPE125A	NGE125A
40	250	ALDC150E	BR150E	SS150E	BRSS150E	PPE150A	NGE150A
50	250	ALDC200E	BR200E	SS200E	BRSS200E	PPE200A	NGE200A
65	150	ALDEC50E	BR250E	SS250E	BRSS250E	-	-
75	125	ALDC300E	BR300E	SS300E	BRSS300E	PPE300A	NGE300A
100	100	ALDC400E	BR400E	SS400E	BRSS400E	PPE400A	NGE400A
125	75	ALDC500E	BR500E	SS500E	-	-	-
150	75	ALDC600E	BR600E	SS600E	-	-	-
		PG: AL12	PG: AL06	PG: AL05	PG: AL14	PG: AL08	PG: AL09

[1]Adaptor size is 20mm
Hastelloy available in selected sizes

Dixon™ Premium Type F

Adaptor x Male BSP



Size (mm)	Working Pressure (PSI)	Part Numbers					
		Aluminium	Bronze	Stainless Steel	Brass	Polypropylene	Nyglass
15	150	ALDC050F	BR050F	SS050F	-	PPF050A[1]	NGF050A[1]
20	250	ALDC075F	BR075F	SS075F	BRSS075F	PPF075A	NGF075A
25	250	ALDC100F	BR100F	SS100F	BRSS100F	PPF100A	NGF100A
32	250	ALDC125F	BR125F	SS125F	BRSS125F	PPF125A	NGF125A
40	250	ALDC150F	BR150F	SS150F	BRSS150F	PPF150A	NGF150A
50	250	ALDC200F	BR200F	SS200F	BRSS200F	PPF200A	NGF200A
65	150	ALDC250F	BR250F	SS250F	BRSS250F	-	-
75	125	ALDC300F	BR300F	SS300F	BRSS300F	PPF300A	NGF300A
100	100	ALDC400F	BR400F	SS400F	BRSS400F	PPF400A	NGF400A
125	75	ALDC500F	BR500F	SS500F	-	-	-
150	75	ALDC600F	BR600F	SS600F	-	-	-
		PG: AL12	PG: AL06	PG: AL05	PG: AL14	PG: AL08	PG: AL09

[1]Adaptor size is 20mm
Hastelloy available in selected sizes

- Under no circumstances should camlock couplings be used in compressed air or steam applications
- Polypropylene and nyglass should not be mixed with aluminium fittings

Dixon™ Premium Type DC

Dust Cap



Size (mm)	Working Pressure (PSI)	Part Numbers					
		Aluminium	Bronze	Stainless Steel	Brass	Polypropylene	Nyglass
15	150	ALDC050DC	BR050DC	SS050DC	-	PPH050A[1]	NGH050A[1]
20	250	ALDC075DC	BR075DC	SS075DC	BRSS075DC	PPH075A	NGH075A
25	250	ALDC100DC	BR100DC	SS100DC	BRSS100DC	PPH100A	NGH100A
32	250	ALDC125DC	BR125DC	SS125DC	BRSS125DC	PPH125A	NGH125A
40	250	ALDC150DC	BR150DC	SS150DC	BRSS150DC	PPH150A	NGH150A
50	250	ALDC200DC	BR200DC	SS200DC	BRSS200DC	PPH200A	NGH200A
65	150	ALDC250DC	BR250DC	SS250DC	BRSS250DC	-	-
75	125	ALDC300DC	BR300DC	SS300DC	BRSS300DC	PPH300A	NGH300A
100	100	ALDC400DC	BR400DC	SS400DC	BRSS400DC	PPH400A	NGH400A
125	75	ALDC500DC	BR500DC	SS500DC	-	-	-
150	75	ALDC600DC	BR600DC	SS600DC	-	-	-
		PG: AL12	PG: AL06	PG: AL05	PG: AL14	PG: AL08	PG: AL09

[1]Adaptor size is 20mm

Dixon™ Premium Type DP

Dust Plug



Size (mm)	Working Pressure (PSI)	Part Numbers					
		Aluminium	Bronze	Stainless Steel	Brass	Polypropylene	Nyglass
15	150	ALDC050DP	BR050DP	SS050DP	-	PPP050A[1]	NGP050A[1]
20	250	ALDC075DP	BR075DP	SS075DP	BRSS075DP	PPP075A	NGP075A
25	250	ALDC100DP	BR100DP	SS100DP	-	PPP100A	NGP100A
32	250	ALDC125DP	BR125DP	SS125DP	BRSS125DP	PPP125A	NGP125A
40	250	ALDC150DP	BR150DP	SS150DP	BRSS150DP	PPP150A	NGP150A
50	250	ALDC200DP	BR200DP	SS200DP	BRSS200DP	PPP200A	NGP200A
65	150	ALDC250DP	BR250DP	SS250DP	BRSS250DP	-	-
75	125	ALDC300DP	BR300DP	SS300DP	BRSS300DP	PPP300A	NGP300A
100	100	ALDC400DP	BR400DP	SS400DP	BRSS400DP	PPP400A	NGP400A
125	75	ALDC500DP	BR500DP	SS500DP	-	-	-
150	75	ALDC600DP	BR600DP	SS600DP	-	-	-
		PG: AL12	PG: AL06	PG: AL05	PG: AL14	PG: AL08	PG: AL09

[1]Adaptor size is 20mm

- Dust caps and dust plugs are not to be used in any pressure applications for safety and environmental reasons

Dixon™ Premium Type A

Adaptor x Female NPT






Size (inch)	Working Pressure (PSI)	Part Numbers			
		Aluminium	Brass	Polypropylene	316 Stainless Steel
½	150	G50-A-AL	50-A-BR	PPA050	50-A-SS
¾	250	G75-A-AL	75-A-BR	PPA075	75-A-SS
1	250	G100-A-AL	100-A-BR	PPA100	100-A-SS
1¼	250	G125-A-AL	125-A-BR	PPA125	125-A-SS
1½	250	G150-A-AL	150-A-BR	PPA150	150-A-SS
2	150	G200-A-AL	200-A-BR	PPA200	200-A-SS
2½	125	G250-A-AL	250-A-BR	-	250-A-SS
3	125	G300-A-AL	300-A-BR	PPA300	300-A-SS
4	100	G400-A-AL	400-A-BR	PPA400	400-A-SS
5	75	G500-A-AL	500-A-BR	-	500-A-SS
6	75	G600-A-AL	600-A-BR	-	600-A-SS

Product Group: AL04

Dixon™ Premium Type B

Coupler x Male NPT






Size (inch)	Working Pressure (PSI)	Part Numbers			
		Aluminium	Brass	Polypropylene	316 Stainless Steel
½	150	G50-B-AL	50-B-BR	PPB050	50-B-SS
¾	250	G75-B-AL	75-B-BR	PPB075	75-B-SS
1	250	G100-B-AL	100-B-BR	PPB100	100-B-SS
1¼	250	G125-B-AL	-	PPB125	125-B-SS
1½	250	G150-B-AL	150-B-BR	PPB150	150-B-SS
2	150	G200-B-AL	200-B-BR	PPB200	200-B-SS
2½	125	G250-B-AL	-	PPB250	250-B-SS
3	125	G300-B-AL	300-B-BR	PPB300	300-B-SS
4	100	G400-B-AL	400-B-BR	PPB400	400-B-SS
5	75	G500-B-AL	-	-	-
6	75	G600-B-AL	-	-	-

Product Group: AL04

- Under no circumstances should camlock couplings be used in compressed air or steam applications
- Dixon™ & Boss-Lock™ camlock couplings do not interchange in the 8" size

Dixon™ Premium Type D

Coupler x Female NPT






Size (inch)	Working Pressure (PSI)	Part Numbers			
		Aluminium	Brass	Polypropylene	316 Stainless Steel
½	150	G50-D-AL	50-D-BR	PPD050	50-D-SS
¾	250	G75-D-AL	75-D-BR	PPD075	75-D-SS
1	250	G100-D-AL	100-D-BR	PPD100	100-D-SS
1¼	250	G125-D-AL	125-D-BR	PPD125	125-D-SS
1½	250	G150-D-AL	150-D-BR	PPD150	150-D-SS
2	150	G200-D-AL	200-D-BR	PPD200	200-D-SS
2½	125	G250-D-AL	250-D-BR	-	250-D-SS
3	125	G300-D-AL	300-D-BR	PPD300	300-D-SS
4	100	G400-D-AL	400-D-BR	PPD400	400-D-SS
5	75	G500-D-AL	500-D-BR	-	500-D-SS
6	75	G600-D-AL	600-D-BR	-	-

Product Group: AL04

Dixon™ Premium Type F

Adaptor x Male NPT






Size (inch)	Working Pressure (PSI)	Part Numbers			
		Aluminium	Brass	Polypropylene	316 Stainless Steel
½	150	G50-F-AL	50-F-BR	PPF050	50-F-SS
¾	250	G75-F-AL	75-F-BR	PPF075	75-F-SS
1	250	G100-F-AL	100-F-BR	PPF100	100-F-SS
1¼	250	G125-F-AL	125-F-BR	PPF125	125-F-SS
1½	250	G150-F-AL	150-F-BR	PPF150	150-F-SS
2	150	G200-F-AL	200-F-BR	PPF200	200-F-SS
2½	125	G250-F-AL	250-F-BR	PPF250	250-F-SS
3	125	G300-F-AL	300-F-BR	PPF300	300-F-SS
4	100	G400-F-AL	400-F-BR	PPF400	400-F-SS
5	75	G500-F-AL	-	-	-
6	75	G600-F-AL	600-F-BR	-	-

Product Group: AL04

- Under no circumstances should camlock couplings be used in compressed air or steam applications
- Dixon™ & Boss-Lock™ camlock couplings do not interchange in the 8" size

Dixon™ Premium Reducing Type A



Adaptor x Female BSP

Size (mm)		Working Pressure (PSI)	Part Numbers	
adaptor	BSP		Aluminium	Stainless Steel
50	40	250	2015-A-ALA	2015-A-SSA
50	75	125	2030-A-ALA	2030-A-SSA
75	50	125	3020-A-ALA	3020-A-SSA
75	100	100	3040-A-ALA	3040-A-SSA
100	75	100	4030-A-ALA	4030-A-SSA
100	150	75	4060-A-ALA	4060-A-SSA
150	100	75	-	6040-A-SSA

Product Group: AL10

Dixon™ Premium Reducing Type B



Coupler x Male BSP

Size (mm)		Working Pressure (PSI)	Part Numbers	
coupler	BSP		Aluminium	Stainless Steel
40	25	250	1510-B-ALA	1510-B-SSA
50	40	250	2015-B-ALA	2015-B-SSA
50	75	250	2030-B-ALA	2030-B-SSA
75	50	125	3020-B-ALA	3020-B-SSA
75	100	125	3040-B-ALA	3040-B-SSA
100	75	100	4030-B-ALA	4030-B-SSA

Product Group: AL10

Dixon™ Premium Reducing Type C



Coupler x Hose Tail

Size (mm)		Working Pressure (PSI)	Part Numbers	
coupler	tail		Aluminium	Stainless Steel
50	40	250	2015-C-AL	2015-C-SS
75	50	125	3020-C-AL	3020-C-SS
75	100	125	3040-C-AL	3040-C-SS
100	75	100	4030-C-AL	4030-C-SS
125	100	75	5040-C-AL	5040-C-SS

Product Group: AL10

Dixon™ Premium Reducing Type D



Coupler x Female BSP

Size (mm)		Working Pressure (PSI)	Part Numbers	
coupler	BSP		Aluminium	Stainless Steel
40	25	250	1510-D-ALA	1510-D-SSA
50	40	250	2015-D-ALA	2015-D-SSA
75	50	125	3020-D-ALA	3020-D-SSA
100	75	100	4030-D-ALA	4030-D-SSA

Product Group: AL10

Dixon™ Premium Reducing Type E

Adaptor x Hose Tail

Size (mm)		Working Pressure (PSI)	Part Numbers	
adaptor	tail		Aluminium	Stainless Steel
50	40	250	2015-E-AL	2015-E-SS
75	50	125	3020-E-AL	3020-E-SS
100	75	100	4030-E-AL	4023-E-SS
125	100	75	5040-E-AL	-

Product Group: AL10



Dixon™ Premium Reducing Type F

Adaptor x Male BSP

Size (mm)		Working Pressure (PSI)	Part Numbers	
adaptor	BSP		Aluminium	Stainless Steel
40	50	250	1520-F-ALA	-
50	40	250	2015-F-ALA	2015-F-SSA
50	75	250	2030-F-ALA	-
75	40	125	3015-F-ALA	3015-F-SSA
75	50	125	3020-F-ALA	3020-F-SSA
75	100	125	3040-F-ALA	-
100	75	100	4030-F-ALA	4030-F-SSA

Product Group: AL10



Dixon™ Premium Reducing Type DA

Coupler x Adaptor

Size (mm)		Working Pressure (PSI)	Part Numbers
coupler	adaptor		Aluminium
40	25	250	1510-DA-AL
40	50	250	1520-DA-AL
50	40	250	2015-DA-AL
50	75	125	2030-DA-AL
50	100	100	2040-DA-AL
75	40	125	3015-DA-AL
75	50	125	3020-DA-AL
75	100	100	3040-DA-AL
100	50	100	4020-DA-AL
100	75	100	4030-DA-AL
100	150	100	4060-DA-AL
150	75	75	6030-DA-AL
150	100	75	6040-DA-AL
150	125	75	6050-DA-AL

Product Group: AL10



Camlocks - Reducing Adaptors & Couplers

Dixon™ Premium Spool Adaptor





Adaptor x Adaptor

Size (mm)		Working Pressure (PSI)	Part Numbers		
adaptor	adaptor		Aluminium	Bronze	Stainless Steel
25	25	250	100-AA-AL	100-AA-BR	100-AA-SS
32	32	250	125-AA-AL	125-AA-BR	125-AA-SS
40	40	250	150-AA-AL	150-AA-BR	150-AA-SS
40	50	250	1520-AA-AL	-	1520-AA-SS
50	50	250	200-AA-AL	200-AA-BR	200-AA-SS
50	75	125	2030-AA-AL	-	2030-AA-SS
65	65	150	250-AA-AL	-	-
65	75	125	2530-AA-AL	-	2530-AA-SS
65	100	100	2540-AA-AL	-	-
75	75	125	300-AA-AL	300-AA-BR	300-AA-SS
75	100	100	3040-AA-AL	-	3040-AA-SS
100	100	100	400-AA-AL	400-AA-BR	400-AA-SS
100	125	75	4050-AA-AL	-	-
100	150	75	4060-AA-AL	-	4060-AA-SS
150	150	75	600-AA-AL	-	600-AA-SS

Product Group: AL10

Dixon™ Premium Spool Coupler



Coupler x Coupler

Size (mm)		Working Pressure (PSI)	Part Numbers	
coupler	coupler		Aluminium	Stainless Steel
50	50	250	200-DD-AL	200-DD-SS
50	75	125	2030-DD-AL	2030-DD-SS
75	75	125	300-DD-AL	300-DD-SS
75	100	100	3040-DD-AL	-
100	100	100	400-DD-AL	400-DD-SS

Product Group: AL10

Dixon™ Premium Lockable Dust Caps



Aluminium



Stainless Steel

Size		Part Numbers		
mm	inch	Aluminium	Bronze	Stainless Steel
40	1½	-	-	150DC-SSL
50	2	AL200DC-L	BR200DC-L	200DC-SSL
75	3	AL300DC-L	BR300DC-L	300DC-SSL
100	4	AL400DC-L	BR400DC-L	400DC-SSL
150	6	AL600DC-L	-	-

Product Group: AL10

Dixon™ Premium Flange Adaptor

Adaptor x Flange - Drilled Table D/E

Size (mm)	Working Pressure (PSI)	Part Numbers	
		Aluminium	Stainless Steel
25	250	-	100-LA-SS
40	250	-	150-LA-SS
50	250	200-LA-AL	200-LA-SS
75	125	300-LA-AL	300-LA-SS
100	100	400-LA-AL	400-LA-SS
150	75	600-LA-AL	600-LA-SS



Also available in ANSI 150#

Product Group: AL10

Dixon™ Premium Flange Coupler

Coupler x Flange - Table D/E

Size (mm)	Working Pressure (PSI)	Part Numbers	
		Aluminium	Stainless Steel
25	250	-	100-LD-SS
40	250	-	150-LD-SS
50	250	200-LD-AL	200-LD-SS
75	125	300-LD-AL	300-LD-SS
100	100	400-LD-AL	400-LD-SS
150	75	600-LD-AL	600-LD-SS



Also available in ANSI 150#

Product Group: AL10

Dixon™ Premium Bend 68°

Coupler x Hose Tail

Size (mm)	Working Pressure (PSI)	Part Numbers	
		Aluminium	Brass
50	250	20-C68-AL	-
65	150	25-C68-AL	25-C68-BR
75	125	30-C68-AL	30-C68-BR
100	100	40-C68-AL	40-C68-BR



Product Group: AL10

- Under no circumstances should camlock couplings be used in compressed air or steam applications
- Dust caps and dust plugs are not to be used in any pressure applications for safety and environmental reasons

Dixon™ Standard Camlocks

Application

- The Dixon™ standard is a durable and economical camlock that is designed for quick and easy connection and disconnection. Ideal for light industrial and agricultural applications. This reliable camlock is for use with hose, pipe, tubing and tanks to convey a wide variety of liquids and dry bulk materials.

Materials

- Body: cast aluminium equivalent to ASTM A383 or stainless steel CF8M (316 Equivalent)
- Levers: stainless steel
- Pins: zinc plated steel
- Pull Rings: zinc plated steel
- Seal: Nitrile Buna-N rubber

Specifications

- Interchangeable with all products produced to commercial description A-A-59326D

Connections

- Camlock adaptor and coupler
- BSP female and male
- Standard hose tail

Aluminium



Size (mm)	Working Pressure (PSI)	Part Numbers					
		Type A Adaptor x Female BSP	Type B Coupler x Male BSP	Type C Coupler x Hose Tail	Type D Coupler x Female BSP	Type E Adaptor x Hose Tail	Type F Adaptor x Male BSP
20	250	EAL075A	EAL075B	EAL075C	EAL075D	EAL075E	EAL075F
25	250	EAL100A	EAL100B	EAL100C	EAL100D	EAL100E	EAL100F
32	250	EAL125A	EAL125B	EAL125C	EAL125D	EAL125E	EAL125F
40	250	EAL150A	EAL150B	EAL150C	EAL150D	EAL150E	EAL150F
50	250	EAL200A	EAL200B	EAL200C	EAL200D	EAL200E	EAL200F
65	150	EAL250A	EAL250B	EAL250C	EAL250D	EAL250E	EAL250F
75	125	EAL300A	EAL300B	EAL300C	EAL300D	EAL300E	EAL300F
100	100	EAL400A	EAL400B	EAL400C	EAL400D	EAL400E	EAL400F
150	75	EAL600A	EAL600B	EAL600C	EAL600D	EAL600E	EAL600F

Product Group: AL19

Stainless Steel



Size (mm)	Working Pressure (PSI)	Part Numbers					
		Type A Adaptor x Female BSP	Type B Coupler x Male BSP	Type C Coupler x Hose Tail	Type D Coupler x Female BSP	Type E Adaptor x Hose Tail	Type F Adaptor x Male BSP
20	250	ESS075A	ESS075B	ESS075C	ESS075D	ESS075E	ESS075F
25	250	ESS100A	ESS100B	ESS100C	ESS100D	ESS100E	ESS100F
32	250	ESS125A	ESS125B	ESS125C	ESS125D	ESS125E	ESS125F
40	250	ESS150A	ESS150B	ESS150C	ESS150D	ESS150E	ESS150F
50	250	ESS200A	ESS200B	ESS200C	ESS200D	ESS200E	ESS200F
65	150	ESS250A	ESS250B	ESS250C	ESS250D	ESS250E	ESS250F
75	125	ESS300A	ESS300B	ESS300C	ESS300D	ESS300E	ESS300F
100	100	ESS400A	ESS400B	ESS400C	ESS400D	ESS400E	ESS400F

Product Group: AL20

Dixon™ Standard Camlocks






Size (mm)	Part Numbers			
	Type DP - Dust Plug		Type DC - Dust Cap	
	Aluminium	Stainless Steel	Aluminium	Stainless Steel
20	EAL075DP	ESS075DP	EAL075DC	ESS075DC
25	EAL100DP	ESS100DP	EAL100DC	ESS100DC
32	EAL125DP	ESS125DP	EAL125DC	ESS125DC
40	EAL150DP	ESS150DP	EAL150DC	ESS150DC
50	EAL200DP	ESS200DP	EAL200DC	ESS200DC
65	EAL250DP	ESS250DP	EAL250DC	ESS250DC
75	EAL300DP	ESS300DP	EAL300DC	ESS300DC
100	EAL400DP	ESS400DP	EAL400DC	ESS400DC
150	EAL600DP	-	EAL600DC	-
	Product Group: AL19	Product Group: AL20	Product Group: AL19	Product Group: AL20

Dixon™ Standard Crimp Hose Tails

Materials

- Body: cast aluminium equivalent to ASTM A383 or stainless steel CF8M (316 Equivalent)
- Levers: brass
- Pins: zinc plated steel
- Pull Rings: zinc plated steel
- Seal: Nitrile Buna-N rubber




Size (mm)	Working Pressure (PSI)	Part Numbers			
		Coupler x Hose Tail - Crimp		Adaptor x Hose Tail - Crimp	
		Aluminium	Stainless Steel	Aluminium	Stainless Steel
25	250	EAL100C-CS	ESS100C-CS	EAL100E-CS	ESS100E-CS
40	250	EAL150C-CS	ESS150C-CS	EAL150E-CS	ESS150E-CS
50	250	EAL200C-CS	ESS200C-CS	EAL200E-CS	ESS200E-CS
65	150	EAL250C-CS	ESS250C-CS	EAL250E-CS	ESS250E-CS
75	125	EAL300C-CS	ESS300C-CS	EAL300E-CS	ESS300E-CS
100	100	EAL400C-CS	ESS400C-CS	EAL400E-CS	ESS400E-CS
		Product Group: AL19	Product Group: AL20	Product Group: AL19	Product Group: AL20



Supplied standard with a Nitrile Buna-N gasket
Refer to King Crimp™ sleeves - page 114

- Under no circumstances should camlock couplings be used in compressed air or steam applications
- Dust caps and dust plugs are not to be used in any pressure applications for safety and environmental reasons

Vent-Lock™ Safety Couplings

Application
- Transfer of fluids and solids with a safer disconnection.

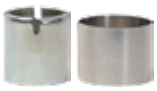
Features
- Safety release camlock couplings permit the release of static pressure when disconnecting hose assemblies
- The venting system protects the operator from being sprayed with hazardous or non-hazardous fluids or solids
- Rated to 250 PSI, a recommendation based on the use of mating Dixon™ L-style fittings at an ambient temperature of 21°C with a standard Nitrile buna seal installed
- For use at elevated temperatures or other unusual operating conditions consult Dixon™
- Safety orange powder-coated cam arms
- Does not interchange with any other standard camlock

Materials
- 316 Stainless steel CF8M

Attachment Options
- Ferrules, sleeves or bands



Size (mm)	Working Pressure (PSI)	Part Numbers					
		Adaptor x Female NPT	Coupler x Hose Tail	Adaptor x Hose Tail	Dust Cap	Dust Plug	Handle
25	250	L100-A-SS	L100-C-SS	L100-E-SS	L100-DC-SS	L100-DP-SS	L100-HSCRP-SI
40	250	L150-A-SS	L150-C-SS	L150-E-SS	L150-DC-SS	L150-DP-SS	L200-HSCRP-SI
50	250	L200-A-SS	L200-C-SS	L200-E-SS	L200-DC-SS	L200-DP-SS	-
80	150	L300-A-SS	L300-C-SS	L300-E-SS	L300-DC-SS	L300-DP-SS	-



Supplied standard with a nitrile buna gasket
Refer to King Crimp™ sleeves and ferrules - page 114

Product Group: AL17

Vent-Lock™ Safety EZ Boss-Lock™ Couplings



Size (mm)	Working Pressure (PSI)	Part Numbers			
		Coupler x Hose Tail	Coupler x Female NPT	Dust Cap	Handle
25	250	RLC100EZ	RLD100EZ	RLH100EZ	LRHEZ175
40	250	RLC150EZ	RLD150EZ	RLH150EZ	LRHEZ152
50	250	RLC200EZ	RLD200EZ	RLH200EZ	LRHEZ152
80	150	RLC300EZ	-	RLH300EZ	-



Supplied standard with a nitrile buna gasket
Refer to King Crimp™ sleeves and ferrules - page 114

Product Group: AL17

- Vent-Lock™ Safety Couplings do not interchange with any other standard camlock, they are only to be used with other Vent-Lock™ camlocks

Dixon™ King Crimp™ Camlock Couplings

Size (mm)	15	20-50	65	75	100	125-150	200
Pressure (PSI)	150	250	150	125	100	75	50
Pressure (PSI) - working pressure with King Crimp™ ferrule system	150	250	150	150	150	75	50

Dixon™ King Crimp™ Type C






Size (mm)	Working Pressure (PSI)	Part Numbers			
		Stainless Steel EZ Boss-Lock	Aluminium A380 Permanent Mold	Brass C38000 Forged	Stainless Steel 316 Investment Cast
25	250	RC100EZCR	G100-C-ALCR	G100-C-BRCR	G100-C-SSCR
40	250	RC150EZCR	G150-C-ALCR	G150-C-BRCR	G150-C-SSCR
50	250	RC200EZCR	G200-C-ALCR	G200-C-BRCR	G200-C-SSCR
75	125	RC300EZCR	G300-C-ALCR	G300-C-BRCR	G300-C-SSCR
100	100	RC400EZCR	G400-C-ALCR	G400-C-BRCR	G400-C-SSCR
150	75	RC600EZCR	G600-C-ALCR	-	G600-C-SSCR

Product Group: AL03 Product Group: AL15



Supplied standard with a nitrile buna gasket
Refer to King Crimp™ sleeves and ferrules - page 114

Dixon™ King Crimp™ Type E





Size (mm)	Working Pressure (PSI)	Part Numbers		
		Aluminium A380 Permanent Mold	Brass C38000 Forged	Stainless Steel 316 Investment Cast
25	250	G100-E-ALCR	G100-E-BRCR	G100-E-SSCR
40	250	G150-E-ALCR	G150-E-BRCR	G150-E-SSCR
50	250	G200-E-ALCR	G200-E-BRCR	G200-E-SSCR
75	125	G300-E-ALCR	G300-E-BRCR	G300-E-SSCR
100	100	G400-E-ALCR	G400-E-BRCR	G400-E-SSCR
150	75	G600-E-ALCR	G600-E-BRCR	G600-E-SSCR

Product Group: AL15



Supplied standard with a nitrile buna gasket
Refer to King Crimp™ sleeves and ferrules - page 114

- The EZ Boss-Lock™ arms are not to be fitted on any other fitting that is not specifically produced for their use
- Only use the crimp-style hose tails with the crimp-style sleeves and ferrules

EZ Boss-Lock™ Couplings

Features

- No more fumbling with clamps, wire, clips, or pins
- Close the handles and the locking mechanism is engaged
- Easy and ergonomic to open, the release lever is under your thumb when you want to open the fitting
- Resistant to accidental disconnection when being dragged
- The release lever opens in the direction opposite to the cam arms, so movements that can open the release lever also can close the camlock arm
- If the rotating lever is not flush with the handle, it is not properly engaged
- No sliding pins to jam or pop open
- Rotating action helps keep the locking device free of debris
- Rugged design protects critical parts from impact

Materials

- 316 Stainless steel CF8M

Connections

- BSP female and male
- camlock adaptor and coupler
- Hose tail






Size (mm)	Working Pressure (PSI)	Part Numbers			
		Type B	Type C	Type D	Type DC
15[1]	150	RB050EZA	RC050EZ	RD050EZA	-
20[1]	250	RB075EZA	RC075EZ	RD075EZA	RH075EZ
25	250	RB100EZA	RC100CEZ	RD100EZA	RH100EZ
32	250	RB125EZA	RC125EZ	RD125EZA	RH125EZ
40	250	RB150EZA	RC150EZ	RD150EZA	RH150EZ
50	250	RB200EZA	-	RD200EZA	RH200EZ
65	150	RB250EZA	RC200EZ	-	-
75	125	RB300EZA	RC300EZ	RD300EZA	RH300EZ
100	100	RB400EZA	RC400EZ	RD400EZA	RH400EZ
150	75	RB600EZA	RC600EZ	-	RH600EZ

Product Group: AL03

Stainless steel, aluminium & brass available in NPT in selected sizes

EZ Boss-Lock™ Swaged Type

Application

- Developed specifically for chemical transport hoses having crosslinked polyethylene (XLPE) or ultra-high molecular weight polyethylene (UHMW) tubes.



Coupler - Type C

Size (mm)	Hose OD (mm)		Part Numbers
	from	to	
20	27.78	39.69	RC075EZ-70
25	34.13	42.86	RC100EZ-70

Product Group: AL03



Adaptor - Type E

Size (mm)	Hose OD (mm)		Part Numbers
	from	to	
20	27.78	39.69	RE075-1370
25	36.91	39.29	RE100-1620
25	39.69	42.86	RE100-1770

Product Group: AL03

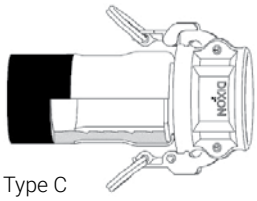
- The EZ Boss-Lock arms are not to be fitted on any other fitting that is not specifically produced for their use
- Dixon™ stems & ferrules are specifically designed to be used together as a coupling system

EZ Boss-Lock™ Notched Type

Features

- The advantage of the notched EZ Boss-Lock™ design is that the coupling can be removed from a damaged hose by cutting away the ferrule, without necessarily damaging the fitting
- After inspection to determine its suitability for reuse, it can be reinstalled into another hose by using a new ferrule
- The system allows you to better manage your inventory, you can stock one coupling and two ferrules, and cover the same hose range with less inventory

Swaged Assembly

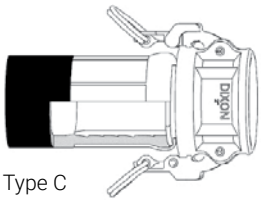


Type C

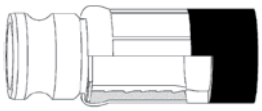


Type E

Crimped Assembly



Type C



Type E

EZ Boss-Lock™ Notched Stem & Ferrule







Size (mm)	Hose OD (mm)		Part Numbers		
	from	to	Type C	Type E	Notched Ferrule
40	49.21	55.56	RC150EZNO	RE150EZNO	GAS2334NO
40	52.39	59.53	RC150EZNO	RE150EZNO	GAS2370NO
50	62.71	68.26	RC200EZNO	RE200EZNO	GAS2709NO
50	67.47	72.23	RC200EZNO	RE200EZNO	GAS2885NO
75	88.11	94.46	RC300EZNO	RE300EZNO	GAS3760NO
75	94.45	97.63	RC300EZNO	RE300EZNO	GAS3885NO
100	117.48	120.25	RC400EZNO	RE400EZNO	GAS5010NO
			Product Group: AL03	Product Group: AL03	Product Group: AU03

Abrasion Resistant Inserts

Application

- Extends the life of adaptors when transferring proppant to storage tanks.

Length		Part Numbers	Used With
mm	inch		
100	4	400-A-INSERT	400-A-AL, 400-A-BR, 400-A-MI & 400-A-SS
100	4	400-C-INSERTAL	400-C-AL
100	4	400-C-INSERTMI	400-C-MI
			Product Group: AL01



400-A-INSERT

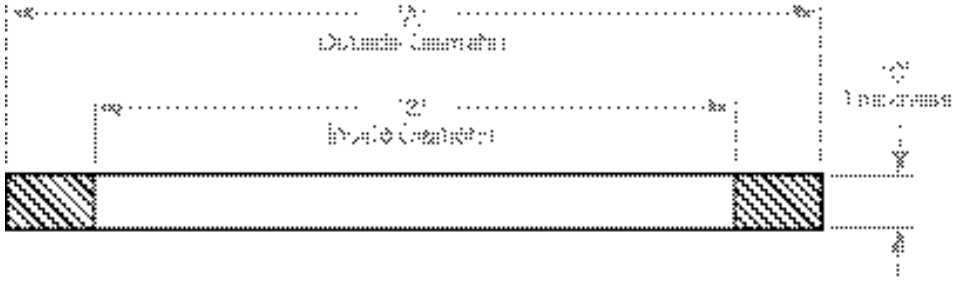


400-C-INSERTAL

Camlock Gasket Dimensions

Features

- Nominal dimensions for elastomeric camlock gaskets
- Internal diameters of the PTFE envelope gaskets and the PTFE accordion gaskets are 1.6mm (1/16") smaller than the internal diameter for the elastomeric gaskets shown below
- Thickness of PTFE accordion gaskets may vary from the chart below



Size (mm)	Dimensions			
	Part	A - Outside Diameter	B - Inside Diameter	C - Thickness
15	50-G	26.19	17.46	3.96
20	75-G	34.93	22.23	5.54
25	100-G	39.69	26.98	6.35
32	125-G	49.21	34.53	6.35
40	150-G	55.56	41.28	6.35
50	200-G	66.68	50.80	6.35
65	250-G	79.38	60.33	6.35
75	300-G	94.46	78.20	6.35
100	400-G	123.83	101.60	6.35
125	500-G	150.81	123.83	6.35
150	600-G	179.39	152.40	6.35
200	800-G	236.54	206.38	8.71

Camlock Gasket Colour Codes

Gasket Code	Material	Colour	Colour Code Stripe
-BU	Nitrile buna rubber - standard in all metal fittings	Black	1 Blue
-BF	Nitrile buna rubber - formulated for fuel service	Black	1 Green
-VI	FKM-A	Green	None
-VIA	FKM-A	Black	1 Yellow
-THK	Extra thick nitrile buna rubber	Black	2 Blue
-EPR	Ethylene propylene	Black	1 White
-NE	Neoprene	Black	1 Red
-WNE	White neoprene - FDA approved material	White	None
-WB	White Nitrile buna rubber - FDA approved material	White	1 Blue
-SIL	Silicone	Red	None
-TF	PTFE (TFE) envelope with nitrile buna rubber filler	White / Black	1 Blue
TFVI	PTFE (TFE) envelope with FKM filler	White / Black	1 Yellow
TFWB	PTFE (TFE) envelope with white nitrile buna rubber filler - FDA approved	White / White	1 Blue
TFEP	PTFE (TFE) envelope with ethylene propylene filler	White / Black	1 White
-TES	PTFE (FEP) encapsulated silicone core - FDA approved materials	Translucent / Red	None
-TEV	PTFE (FEP) encapsulated FKM core	Translucent / Black	None
TFACC	PTFE (TFE) accordion - FDA approved materials	White	None

- Since other manufacturers' coding systems vary, the colour code chart should not be used as a reference in identifying gaskets of unknown origin

Camlock Gaskets



Size (mm)	Part Numbers								
	Buna - N	FKM - A	FKM - A	Buna - N Extra Thick	Ethylene Propylene	Neoprene	White Neoprene	White Buna - N	Silicone
15	50-G-BU	50-G-VI	50-G-VIA	-	-	-	-	-	-
20	75-G-BU	75-G-VI	75-G-VIA	-	75-G-EPR	75-G-NE	-	-	-
25	100-G-BU	100-G-VI	100-G-VIA	100GTHK	100-G-EPR	100-G-NE	-	-	-
32	125-G-BU	125-G-VI	125-G-VIA	125GTHK	-	125-G-NE	-	-	-
40	150-G-BU	150-G-VI	150-G-VIA	150GTHK	150-G-EPR	150-G-NE	150-G-WNE	-	-
50	200-G-BU	200-G-VI	200-G-VIA	200GTHK	200-G-EPR	200-G-NE	200-G-WNE	-	200-G-SIL
65	250-G-BU	250-G-VI	250-G-VIA	250GTHK	250-G-EPR	250-G-NE	-	-	-
75	300-G-BU	300-G-VI	300-G-VIA	300GTHK	300-G-EPR	300-G-NE	300-G-WNE	300-G-WB	300-G-SIL
100	400-G-BU	400-G-VI	400-G-VIA	400GTHK	400-G-EPR	400-G-NE	400-G-WNE	400-G-WB	400-G-SIL
125	500-G-BU	500-G-VI	500-G-VIA	-	-	-	500-G-WNE	-	-
150	600-G-BU	600-G-VI	600-G-VIA	600GTHK	-	-	600-G-WNE	-	-
200	800-G-BU	800-G-VI	800-G-VIA	-	-	-	-	-	-

Refer to the gasket colour code table - page 106

Product Group: AL01

Camlock PTFE Gaskets



Size (mm)	Part Numbers						
	PTFE Envelope				PTFE Encapsulated		Accordion
	Buna Filler	FKM Filler	White Buna Filler	Ethylene Propylene Filler	Silicone Max Temperature 107°C (225°F)	FKM Max Temperature 93°C (200°F)	
15	50-G-TF	50-G-TF-VI	-	-	50-G-TES	-	-
20	75-G-TF	75-G-TF-VI	-	-	75-G-TES	75-G-TEV	75GTFACC
25	100-G-TF	100GTFVI	-	-	100-G-TES	100-G-TEV	100GTFACC
32	125-G-TF	125GTFVI	-	-	125-G-TES	125-G-TEV	125GTFACC
40	150-G-TF	150GTFVI	-	150GTFEP	150-G-TES	150-G-TEV	150GTFACC
50	200-G-TF	200GTFVI	200GTFWB	200GTFEP	200-G-TES	200-G-TEV	200GTFACC
65	250-G-TF	250GTFVI	250GTFWB	-	250-G-TES	250-G-TEV	-
75	300-G-TF	300GTFVI	300GTFWB	300GTFEP	300-G-TES	300-G-TEV	300GTFACC
100	-	400GTFVI	400GTFWB	-	400-G-TES	400-G-TEV	
125	-	-	-	-	-	-	-
150	600-G-BU	-	-	-	-	-	-

Maximum operating temperatures for specific chemicals may be lower; contact Dixon™ for specific recommendations

Product Group: AL01

Camlock Fuel Gaskets

Size (mm)	Part Numbers	
	Fuel Standard	Fuel Extra Thick
40	150-G-BF	-
50	200-G-BF	-
80	300-G-BF	300GTHKBF
100	400-G-BF	400THKBF



Standard

Product Group: AL01

Dixon™ Camlock Handle Assemblies



Brass



Stainless Steel

Features

- Pull rings are standard on sizes 32mm to 150mm

Size		Description	Part Numbers	
mm	inch		Brass	SS Sintered
15 & 20	½ & ¾	Handle & pin	-	G75HRPSS
25	1	Handle & pin	-	G100HRPSS
32 to 65	1¼ to 2½	Handle, ring & pin	G152HRP	G125250HRPSS
80 to 125	3 to 5	Handle, ring & pin	G34HRP	G300400HRPSS
150	6	Handle, ring & pin	G600HRP	G600HRPSS
200	8	Handle & pin	G600HRP	-

Product Group: AL02

Contact Dixon™ for specifications when ordering replacement arms for 200mm couplings. Only suitable for premium camlocks, no replacement part available for standard range.

Locking Handles for Dixon™ Dust Caps



Brass

Size		Part Numbers
mm	inch	
50	2	200-LH-BR
75	3	300-LH-BR
100	4	400-LH-BR
150	6	600-LH-BR

Product Group: AL02

EZ Boss-Lock™ Handles



Investment Cast Stainless Steel

Size		Part Numbers
mm	inch	
20 to 25	¾ to 1	RHEZ175
32 to 65	1¼ to 2½	RHEZ152
75 to 100	3 to 4	RHEZ34

Product Group: AL02

PVC Coated Lanyard



Length (mm)	Part Number	Description
375	CAL15	Carbon steel with aluminium crimp sleeves. One end crimped, the other end uncrimped for field installation

Product Group: AL01

- Under no circumstances should EZ Boss-Lock™ arms be used on any fitting not specifically produced for their use

Witches Hat Strainers

Application

- Used with female camlock couplings. Has a pre-attached nitrile buna gasket.

Size		Part Numbers	
mm	inch	304 Stainless Steel Strainer	Nitrile Buna Gasket
80	3	WH300-A	WH300-G
100	4	WH400-A	WH400-G

Product Group: AL01



Strainer



Gasket

Disk Strainers

Application

- Threads into the bottom of a female NPT fitting to protect equipment from large contaminants.

Size		Part Numbers	
mm	inch	6061T6 Aluminium	304 Investment Stainless Steel
50	2	SDA200	SDS200
80	3	SDA300	SDS300
100	4	SDA400	SDS400

Product Group: AL01



Lanyards with Clip for Boss-Lock™ Couplings

Size		Part Numbers	Materials	
mm	inch		Clip	Lanyard
20 to 25	¾ to 1	ACL4	Carbon steel	Nylon
32 to 100	1¼ to 4	ACL2		
150	6	ACL3		

Product Group: AL02



ACL2



ACL3

Pull Ring Safety Clips for Boss-Lock™ Couplings

Size		Part Numbers	
mm	inch	304 Stainless Steel Strainer	Nitrile Buna Gasket
32 to 50	1¼ to 2	200PRSCCS	200PRSCSS
80 to 100	3 to 4	300PRSCCS	300PRSCSS

Product Group: AL02



Stainless Steel Pull Ring

Size (mm)	Part Number	Description
35	R200SS	304 Stainless steel - approximate diameter 35mm

Product Group: AD01



Clip for Boss-Lock™ Couplings



Thickness (mm)	Part Number	Description
.072	AC7	.072 Stainless steel wire

Product Group: AD05

Carbon Steel Clip Assembly for Boss-Lock™ Coupling



Part Number	Description
BLCA152CS	Pull ring, chain and ACL3 clip

Product Group: AL02

Jack Chain with S-Hooks



Length		Part Numbers	Material
mm	inch		
150	6	CH-B-6	Brass
150	6	CH-SS-6	Stainless steel
300	12	CH-B-12	Brass
300	12	CH-C-12	Carbon steel
300	12	CH-SS-12	Stainless steel
600	24	CH-SS-24	Stainless steel

Product Group: AL02

Sash Chain with Pull Rings



Length		Part Numbers	Chain Material
mm	inch		
115	4.5	J125	Brass
165	6.5	J150	Brass
215	8.5	J300	Brass
325	13	J500	Brass

Pull rings are steel plated

Product Group: AL02

Locking Cam Arm Velcro™ Straps

Application

- Used on the cam and groove female couplers to prevent spills, secure from damage, and hold in place during transport.

Features

- High visibility orange hook and loop with metal buckle provide strength, durability and long life
- Temperature range -57°C to 93°C (-70°F to 200°F)



Length		Part Numbers	Used With
mm	inch		
457	18	CVS18	Fits up to 80mm (3") coupler
914	36	CVS36	Fits up to 200mm (8") coupler

Coupler sold separately

Product Group: AL02

- Under no circumstances should EZ Boss-Lock™ arms be used on any fitting not specifically produced for their use

King Crimp™ 112

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King Crimp™ Style - Combination Nipples

Application

- Used in conjunction with Dixon's range of King Crimp™ ferrules and sleeves that are designed to be permanently attached to hoses through a crimping process. This ensures a secure and leak-free connection while also improving safety by eliminating potential catch points that could be found in other types of hose clamps or fittings. These components are commonly used in industrial and fluid transfer applications where reliable connections are critical.

Features

- There are two grooves on the crimp-style king combination nipples. The second groove is the roll stamp groove which has the part number stamped on it
- This groove is a smooth concentric groove so that the stamp can be legible

Materials

- Plated carbon steel schedule 80
- Plated carbon steel schedule 40
- 316 stainless steel






Hose ID		Part Numbers							
		BSP		NPT	Grooved End		Bevelled End		Shouldered End
mm	inch	Carbon Steel	Stainless Steel	Carbon Steel	Carbon Steel	Stainless Steel	Carbon Steel	Stainless Steel	Carbon Steel
25	1	STC10CSA	RST20CSA	STC10CS	STV10CS	RSTV10CS	STB10CS	RSTB10CS	-
32	1¼	STC15CSA	RST15CSA	STC15CS	-	-	-	-	-
40	1½	STC20CSA	RST20CSA	STC20CS	STV20CS	RSTV20CS	STB20CS	RSTB20CS	-
50	2	STC25CSA	RST25CSA	STC25CS	STV25CS	RSTV25CS	STB25CS	RSTB25CS	-
75	3	STC35CSA	RST35CSA	STC35CS	STV35CS	RSTV35CS	STB35CS	RSTB35CS	STVS35CS
100	4	STC40CSA	RST40CSA	STC40CS	STV40CS	RSTV40CS	STB40CS	RSTB40CS	STVS40CS
150	6	STC60CSA	RST60CSA	STC60CS	STV60CS	RSTV60CS	STB60CS	RSTB60CS	STVS60CS

NPT available on request

Product Group: AM10






Hose ID		Part Numbers					
		Table E Flange End		Floating Flange End		NPT Thread	Grooved End
mm	inch	Carbon Steel	Stainless Steel	Carbon Steel	Stainless Steel	Carbon Steel	
50	2	FSTE200CS	RFSTE200CS	N25CS	RN25CS	-	-
75	3	FSTE300CS	RFSTE300CS	N35CS	RN35CS	-	-
100	4	FSTE400CS	RFSTE400CS	N40CS	RN40CS	-	-
150	6	FSTE600CS	RFSTE500CS	N60CS	RN60CS	-	-
200	8	-	-	-	-	STC80CS[1]	STV80CS[1]

Product Group: AM10

- Only use the crimp-style hose tails with the crimp-style sleeves and ferrules
- Due to differences in dimensions and tolerances for safety reasons, do not interchange other manufacturers' products with Dixon™ products

Dixon™ King Crimp™ Cam & Groove Couplings

Pressure Chart

Size (mm)	15	20-50	65	75	100	125-150	200
Pressure (PSI)	150	250	150	125	100	75	50
Pressure (PSI) - Working Pressure with King Crimp™ Ferrule System	150	250	150	150	150	75	50

Dixon™ King Crimp™ Type C






Size (mm)	Working Pressure (PSI)	Part Numbers			
		Stainless Steel EZ Boss-Lock	Aluminium A380 Permanent Mould	Brass C38000 Forged	Stainless Steel 316 Investment Cast
25	250	RC100EZCR	G100-C-ALCR	G100-C-BRCR	G100-C-SSCR
40	250	RC150EZCR	G150-C-ALCR	G150-C-BRCR	G150-C-SSCR
50	250	RC200EZCR	G200-C-ALCR	G200-C-BRCR	G200-C-SSCR
75	125	RC300EZCR	G300-C-ALCR	G300-C-BRCR	G300-C-SSCR
100	100	RC400EZCR	G400-C-ALCR	G400-C-BRCR	G400-C-SSCR
150	75	RC600EZCR	G600-C-ALCR	-	G600-C-SSCR
		Product Group: AL03	Product Group: AL15	Product Group: AL15	Product Group: AL15

Dixon™ King Crimp™ Type E





Size (mm)	Working Pressure (PSI)	Part Numbers		
		Aluminium A380 Permanent Mould	Brass C38000 Forged	Stainless Steel 316 Investment Cast
25	250	G100-E-ALCR	G100-E-BRCR	G100-E-SSCR
40	250	G150-E-ALCR	G150-E-BRCR	G150-E-SSCR
50	250	G200-E-ALCR	G200-E-BRCR	G200-E-SSCR
75	125	G300-E-ALCR	G300-E-BRCR	G300-E-SSCR
100	100	G400-E-ALCR	G400-E-BRCR	G400-E-SSCR
150	75	G600-E-ALCR	G600-E-BRCR	G600-E-SSCR
				Product Group: AL15

- The EZ Boss-Lock arms are not to be fitted on any other fitting that is not specifically produced for their use
- Only use the crimp-style hose tails with the crimp-style sleeves and ferrules

King Crimp™ Style - Ferrules

Application

- Used in conjunction with Dixon's range of King Crimp™ hose tails that are designed to be permanently attached to hoses through a crimping process. This ensures a secure and leak-free connection while also improving safety by eliminating potential catch points that could be found in other types of hose clamps or fittings. These components are commonly used in industrial and fluid transfer applications where reliable connections are critical.



Features

- 250 PSI working pressure with King Crimp™ Camlocks
- 300 PSI working pressure with King Crimp™ ST Nipples

Materials

- Carbon steel or 304 stainless steel

Hose ID	Hose OD (mm)		Part Numbers		Working Pressure (PSI)		Ferrule ID (mm)	Wall Thickness (mm)	Overall Length (mm)
mm	from	to	Carbon Steel	Stainless Steel	Camlocks	KC Nipple			
25	30.56	31.75	CF100-1CS	CF100-1SS	*	*	33.40	1.57	63.5
25	32.15	33.34	CF100-2CS	CF100-2SS	*	*	34.90	1.57	63.5
25	33.73	34.93	CF100-3CS	CF100-3SS	*	*	36.50	1.57	63.5
25	35.32	36.51	CF100-4CS	CF100-4SS	*	*	38.10	1.57	63.5
25	36.91	38.10	CF100-5CS	CF100-5SS	*	*	39.70	1.57	63.5
25	38.50	39.69	CF100-6CS	CF100-6SS	*	*	42.30	1.57	63.5
25	40.08	41.28	CF100-7CS	CF100-7SS	*	*	42.90	1.57	63.5
25	41.67	42.86	CF100-8CS	CF100-8SS	*	*	44.50	1.57	63.5
25	43.26	44.45	CF100-9CS	CF100-9SS	*	*	46.10	1.57	63.5
25	44.85	46.03	CF100-10CS	CF100-10SS	*	*	47.60	1.57	63.5
32	30.56	42.86	CF125-3CS	CF125-3SS	250	300	44.45	1.57	63.5
32	43.26	44.45	CF125-4CS	CF125-4SS	250	300	46.05	1.57	63.5
32	44.85	46.04	CF125-5CS	CF125-5SS	250	300	47.63	1.57	63.5
32	46.43	47.63	CF125-6CS	CF125-6SS	250	300	49.23	1.57	63.5
40	41.68	42.87	CF150-1CS	CF150-1SS	250	300	44.45	1.57	63.5
40	43.26	44.45	CF150-2CS	CF150-2SS	250	300	46.05	1.57	63.5
40	44.85	46.04	CF150-3CS	CF150-3SS	250	300	47.63	1.57	63.5
40	46.44	47.63	CF150-4CS	CF150-4SS	250	300	49.23	1.57	63.5
40	48.03	49.22	CF150-5CS	CF150-5SS	250	300	50.80	1.57	63.5
40	49.61	50.80	CF150-6CS	CF150-6SS	250	300	52.40	1.57	63.5
40	51.20	52.39	CF150-7CS	CF150-7SS	250	300	53.98	1.57	63.5
40	52.79	53.98	CF150-8CS	CF150-8SS	250	300	55.58	1.57	63.5
40	55.96	57.15	CF150-10CS	CF150-10SS	250	300	58.75	1.57	63.5
40	57.55	58.74	CF150-11CS	CF150-11SS	250	300	60.33	1.57	63.5
40	59.14	60.33	CF150-12CS	CF150-12SS	250	300	61.93	1.57	63.5
50	55.96	57.15	CF200-1CS	CF200-1SS	250	250	58.75	1.57	63.5
50	57.55	58.74	CF200-2CS	CF200-2SS	250	250	60.33	1.57	63.5
50	60.72	61.91	CF200-4CS	CF200-4SS	250	250	63.50	1.57	63.5
50	62.31	63.50	CF200-5CS	CF200-5SS	250	250	65.10	1.57	63.5
50	63.90	65.09	CF200-6CS	CF200-6SS	250	250	66.68	1.57	63.5
50	65.48	66.68	CF200-7CS	CF200-7SS	250	250	68.28	1.57	63.5
50	67.07	68.26	CF200-8CS	CF200-8SS	250	250	69.85	1.57	63.5
50	68.66	69.85	CF200-9CS	CF200-9SS	250	250	71.45	1.57	63.5
50	70.25	71.44	CF200-10CS	CF200-10SS	250	250	73.03	1.57	63.5
50	71.83	73.03	CF200-11CS	CF200-11SS	250	250	74.63	1.57	63.5
50	73.42	74.61	CF200-12CS	CF200-12SS	250	250	76.20	1.57	63.5

* Contact Dixon™ for pressure rating

Product Group: AU06

King Crimp™ Style - Ferrules

Application

- Used in conjunction with Dixon's range of King Crimp™ hose tails that are designed to be permanently attached to hoses through a crimping process. This ensures a secure and leak-free connection while also improving safety by eliminating potential catch points that could be found in other types of hose clamps or fittings. These components are commonly used in industrial and fluid transfer applications where reliable connections are critical.

Materials

- Carbon steel or 304 stainless steel



Hose ID	Hose OD (mm)		Part Numbers		Working Pressure (PSI)		Ferrule ID (mm)	Wall Thickness (mm)	Overall Length (mm)
mm	from	to	Carbon Steel	Stainless Steel	Camlocks	KC Nipple			
75	81.36	82.55	CF300-1CS	CF300-1SS	125	200	84.15	2.29	95.0
75	82.95	84.14	CF300-2CS	CF300-2SS	125	200	85.73	2.29	95.0
75	84.53	85.73	CF300-3CS	CF300-3SS	125	200	87.33	2.29	95.0
75	86.12	87.31	CF300-4CS	CF300-4SS	125	200	88.90	2.29	95.0
75	89.30	90.49	CF300-6CS	CF300-6SS	125	200	92.08	2.29	95.0
75	90.88	92.08	CF300-7CS	CF300-7SS	125	200	93.68	2.29	95.0
75	92.47	93.66	CF300-8CS	CF300-8SS	125	200	95.25	2.29	95.0
75	94.06	95.25	CF300-9CS	CF300-9SS	125	200	96.85	2.29	95.0
75	95.65	96.84	CF300-10CS	CF300-10SS	125	200	98.43	2.29	95.0
75	97.23	98.43	CF300-11CS	CF300-11SS	125	200	100.03	2.29	95.0
75	98.82	100.01	CF300-12CS	CF300-12SS	125	200	101.60	2.29	95.0
75	100.41	101.60	CF300-13CS	CF300-13SS	125	200	103.20	2.29	95.0
75	102.00	103.19	CF300-14CS	CF300-14SS	125	200	104.78	2.29	95.0
75	103.58	104.78	CF300-15CS	CF300-15SS	125	200	106.38	2.29	95.0
75	105.17	106.36	CF300-16CS	CF300-16SS	125	200	107.95	2.29	95.0
100	106.76	107.95	CF400-1CS	CF400-1SS	110	175	109.55	2.29	95.0
100	108.35	109.54	CF400-2CS	CF400-2SS	110	175	111.13	2.29	95.0
100	109.93	111.13	CF400-3CS	CF400-3SS	110	175	112.73	2.29	95.0
100	111.52	112.71	CF400-4CS	CF400-4SS	110	175	114.30	2.29	95.0
100	113.11	114.30	CF400-5CS	CF400-5SS	110	175	115.90	2.29	95.0
100	114.70	115.89	CF400-6CS	CF400-6SS	110	175	117.48	2.29	95.0
100	116.28	117.48	CF400-7CS	CF400-7SS	110	175	119.08	2.29	95.0
100	117.87	119.06	CF400-8CS	CF400-8SS	110	175	120.65	2.29	95.0
100	119.46	120.65	CF400-9CS	CF400-9SS	110	175	122.25	2.29	95.0
100	121.05	122.24	CF400-10CS	CF400-10SS	110	175	123.80	2.29	95.0
100	122.63	123.83	CF400-11CS	CF400-11SS	110	175	125.43	2.29	95.0
100	124.22	125.41	CF400-12CS	CF400-12SS	110	175	127.00	2.29	95.0
100	125.81	127.00	CF400-13CS	CF400-13SS	110	175	128.60	2.29	95.0
100	127.40	128.59	CF400-14CS	CF400-14SS	110	175	130.18	2.29	95.0
100	128.98	130.18	CF400-15CS	CF400-15SS	110	175	131.78	2.29	95.0
100	130.57	131.76	CF400-16CS	CF400-16SS	110	175	133.35	2.29	95.0
150	157.56	163.51	CF600-1CS	CF600-1SS	*	*	165.10	3.05	140.0
150	163.91	163.91	CF600-2CS	CF600-2SS	*	*	168.28	3.05	140.0
150	167.08	169.86	CF600-3CS	CF600-3SS	*	*	171.45	3.05	140.0
150	170.26	173.04	CF600-4CS	CF600-4SS	*	*	174.63	3.05	140.0
150	173.43	176.21	CF600-5CS	CF600-5SS	*	*	177.80	3.05	140.0
150	176.61	179.39	CF600-6CS	CF600-6SS	*	*	180.98	3.05	140.0
150	179.78	182.56	CF600-7CS	CF600-7SS	*	*	184.15	3.05	140.0
150	182.96	185.74	CF600-8CS	CF600-8SS	*	*	187.33	3.05	140.0
150	186.13	188.91	CF600-9CS	CF600-9SS	*	*	190.50	3.05	140.0

* Contact Dixon™ for pressure rating

Product Group: AU06

King Crimp™ Style - Sleeves

Application

- Used in conjunction with Dixon's range of King Crimp™ hose tails that are designed to be permanently attached to hoses through a crimping process. This ensures a secure and leak-free connection while also improving safety by eliminating potential catch points that could be found in other types of hose clamps or fittings. These components are commonly used in industrial and fluid transfer applications where reliable connections are critical.



Features

- 250 PSI working pressure with King Crimp™ Camlocks
- 300 PSI working pressure with King Crimp™ ST Nipples

Materials

- Carbon steel or 304 stainless steel

Hose ID	Hose OD (mm)		Part Numbers		Working Pressure (PSI)		Sleeve ID (mm)	Wall Thickness (mm)	Overall Length (mm)
mm	from	to	Carbon Steel	Stainless Steel	Camlocks	KC Nipple			
25	30.56	31.75	CS100-1CS	CS100-1SS	*	*	33.40	1.57	63.5
25	32.15	33.34	CS100-2CS	CS100-2SS	*	*	34.90	1.57	63.5
25	33.73	34.93	CS100-3CS	CS100-3SS	*	*	36.50	1.57	63.5
25	35.32	36.51	CS100-4CS	CS100-4SS	*	*	38.10	1.57	63.5
25	36.91	38.10	CS100-5CS	CS100-5SS	*	*	39.70	1.57	63.5
25	38.50	39.69	CS100-6CS	CS100-6SS	*	*	42.30	1.57	63.5
25	40.08	41.28	CS100-7CS	CS100-7SS	*	*	42.90	1.57	63.5
25	41.67	42.86	CS100-8CS	CS100-8SS	*	*	44.50	1.57	63.5
25	43.26	44.45	CS100-9CS	CS100-9SS	*	*	46.10	1.57	63.5
25	44.85	46.03	CS100-10CS	CS100-10SS	*	*	47.60	1.57	63.5
32	30.56	42.86	CS125-3CS	CS125-3SS	250	300	44.45	1.57	63.5
32	43.26	44.45	CS125-4CS	CS125-4SS	250	300	46.05	1.57	63.5
32	44.85	46.04	CS125-5CS	CS125-5SS	250	300	47.63	1.57	63.5
32	46.43	47.63	CS125-6CS	CS125-6SS	250	300	49.23	1.57	63.5
40	41.68	42.87	CS150-1CS	CS150-1SS	250	300	44.45	1.57	63.5
40	43.26	44.45	CS150-2CS	CS150-2SS	250	300	46.05	1.57	63.5
40	44.85	46.04	CS150-3CS	CS150-3SS	250	300	47.63	1.57	63.5
40	46.44	47.63	CS150-4CS	CS150-4SS	250	300	49.23	1.57	63.5
40	48.03	49.22	CS150-5CS	CS150-5SS	250	300	50.80	1.57	63.5
40	49.61	50.80	CS150-6CS	CS150-6SS	250	300	52.40	1.57	63.5
40	51.20	52.39	CS150-7CS	CS150-7SS	250	300	53.98	1.57	63.5
40	52.79	53.98	CS150-8CS	CS150-8SS	250	300	55.58	1.57	63.5
40	55.96	57.15	CS150-10CS	CS150-10SS	250	300	58.75	1.57	63.5
40	57.55	58.74	CS150-11CS	CS150-11SS	250	300	60.33	1.57	63.5
40	59.14	60.33	CS150-12CS	CS150-12SS	250	300	61.93	1.57	63.5
50	55.96	57.15	CS200-1CS	CS200-1SS	250	250	58.75	1.57	63.5
50	57.55	58.74	CS200-2CS	CS200-2SS	250	250	60.33	1.57	63.5
50	60.72	61.91	CS200-4CS	CS200-4SS	250	250	63.50	1.57	63.5
50	62.31	63.50	CS200-5CS	CS200-5SS	250	250	65.10	1.57	63.5
50	63.90	65.09	CS200-6CS	CS200-6SS	250	250	66.68	1.57	63.5
50	65.48	66.68	CS200-7CS	CS200-7SS	250	250	68.28	1.57	63.5
50	67.07	68.26	CS200-8CS	CS200-8SS	250	250	69.85	1.57	63.5
50	68.66	69.85	CS200-9CS	CS200-9SS	250	250	71.45	1.57	63.5
50	70.25	71.44	CS200-10CS	CS200-10SS	250	250	73.03	1.57	63.5
50	71.83	73.03	CS200-11CS	CS200-11SS	250	250	74.63	1.57	63.5
50	73.42	74.61	CS200-12CS	CS200-12SS	250	250	76.20	1.57	63.5

* Contact Dixon™ for pressure rating

Product Group: AU06

King Crimp™ Style - Sleeves

Application

- Used in conjunction with Dixon's range of King Crimp™ hose tails that are designed to be permanently attached to hoses through a crimping process. This ensures a secure and leak-free connection while also improving safety by eliminating potential catch points that could be found in other types of hose clamps or fittings. These components are commonly used in industrial and fluid transfer applications where reliable connections are critical.

Materials

- Carbon steel or 304 stainless steel



Hose ID	Hose OD (mm)		Part Numbers		Working Pressure (PSI)		Sleeve ID (mm)	Wall Thickness (mm)	Overall Length (mm)
mm	from	to	Carbon Steel	Stainless Steel	Camlocks	KC Nipple			
75	81.36	82.55	CS300-1CS	CS300-1SS	125	200	84.15	2.29	95.0
75	82.95	84.14	CS300-2CS	CS300-2SS	125	200	85.73	2.29	95.0
75	84.53	85.73	CS300-3CS	CS300-3SS	125	200	87.33	2.29	95.0
75	86.12	87.31	CS300-4CS	CS300-4SS	125	200	88.90	2.29	95.0
75	89.30	90.49	CS300-6CS	CS300-6SS	125	200	92.08	2.29	95.0
75	90.88	92.08	CS300-7CS	CS300-7SS	125	200	93.68	2.29	95.0
75	92.47	93.66	CS300-8CS	CS300-8SS	125	200	95.25	2.29	95.0
75	94.06	95.25	CS300-9CS	CS300-9SS	125	200	96.85	2.29	95.0
75	95.65	96.84	CS300-10CS	CS300-10SS	125	200	98.43	2.29	95.0
75	97.23	98.43	CS300-11CS	CS300-11SS	125	200	100.03	2.29	95.0
75	98.82	100.01	CS300-12CS	CS300-12SS	125	200	101.60	2.29	95.0
75	100.41	101.60	CS300-13CS	CS300-13SS	125	200	103.20	2.29	95.0
75	102.00	103.19	CS300-14CS	CS300-14SS	125	200	104.78	2.29	95.0
75	103.58	104.78	CS300-15CS	CS300-15SS	125	200	106.38	2.29	95.0
75	105.17	106.36	CS300-16CS	CS300-16SS	125	200	107.95	2.29	95.0
100	106.76	107.95	CS400-1CS	CS400-1SS	110	175	109.55	2.29	95.0
100	108.35	109.54	CS400-2CS	CS400-2SS	110	175	111.13	2.29	95.0
100	109.93	111.13	CS400-3CS	CS400-3SS	110	175	112.73	2.29	95.0
100	111.52	112.71	CS400-4CS	CS400-4SS	110	175	114.30	2.29	95.0
100	113.11	114.30	CS400-5CS	CS400-5SS	110	175	115.90	2.29	95.0
100	114.70	115.89	CS400-6CS	CS400-6SS	110	175	117.48	2.29	95.0
100	116.28	117.48	CS400-7CS	CS400-7SS	110	175	119.08	2.29	95.0
100	117.87	119.06	CS400-8CS	CS400-8SS	110	175	120.65	2.29	95.0
100	119.46	120.65	CS400-9CS	CS400-9SS	110	175	122.25	2.29	95.0
100	121.05	122.24	CS400-10CS	CS400-10SS	110	175	123.80	2.29	95.0
100	122.63	123.83	CS400-11CS	CS400-11SS	110	175	125.43	2.29	95.0
100	124.22	125.41	CS400-12CS	CS400-12SS	110	175	127.00	2.29	95.0
100	125.81	127.00	CS400-13CS	CS400-13SS	110	175	128.60	2.29	95.0
100	127.40	128.59	CS400-14CS	CS400-14SS	110	175	130.18	2.29	95.0
100	128.98	130.18	CS400-15CS	CS400-15SS	110	175	131.78	2.29	95.0
100	130.57	131.76	CS400-16CS	CS400-16SS	110	175	133.35	2.29	95.0
150	157.56	163.51	CS600-1CS	CS600-1SS	*	*	165.10	3.05	140.0
150	163.91	163.91	CS600-2CS	CS600-2SS	*	*	168.28	3.05	140.0
150	167.08	169.86	CS600-3CS	CS600-3SS	*	*	171.45	3.05	140.0
150	170.26	173.04	CS600-4CS	CS600-4SS	*	*	174.63	3.05	140.0
150	173.43	176.21	CS600-5CS	CS600-5SS	*	*	177.80	3.05	140.0
150	176.61	179.39	CS600-6CS	CS600-6SS	*	*	180.98	3.05	140.0
150	179.78	182.56	CS600-7CS	CS600-7SS	*	*	184.15	3.05	140.0
150	182.96	185.74	CS600-8CS	CS600-8SS	*	*	187.33	3.05	140.0

* Contact Dixon™ for pressure rating

Product Group: AU06

King Crimp™ Style 200mm (8") - Short Ferrules

Application

- Used in conjunction with Dixon's range of King Crimp™ hose tails that are designed to be permanently attached to hoses through a crimping process. This ensures a secure and leak-free connection while also improving safety by eliminating potential catch points that could be found in other types of hose clamps or fittings. These components are commonly used in industrial and fluid transfer applications where reliable connections are critical.

Material

- Plated carbon steel to ASTM standards



Hose ID	Hose OD (mm)		Part Numbers	Ferrule ID (mm)	Wall Thickness (mm)	Overall Length (mm)
mm	from	to				
200	214.70	217.50	CF800-1CS	219.10	3.05	108
200	217.90	220.65	CF800-2CS	225.25	3.05	108
200	221.00	223.90	CF800-3CS	225.40	3.05	108
200	224.00	227.00	CF800-4CS	228.60	3.05	108
200	227.40	230.20	CF800-5CS	231.80	3.05	108
200	230.60	233.30	CF800-6CS	234.95	3.05	108
200	233.70	236.50	CF800-7CS	238.15	3.05	108
200	236.90	239.70	CF800-8CS	241.30	3.05	108

Product Group: AD06

King Crimp™ Style 200mm (8") - Large Sleeves

Application

- Used in conjunction with Dixon's range of King Crimp™ hose tails that are designed to be permanently attached to hoses through a crimping process. This ensures a secure and leak-free connection while also improving safety by eliminating potential catch points that could be found in other types of hose clamps or fittings. These components are commonly used in industrial and fluid transfer applications where reliable connections are critical.

Material

- Plated carbon steel to ASTM standards



Hose ID		Part Numbers	Sleeve ID (mm)	Wall Thickness (mm)	Overall Length (mm)
mm	inch				
200	8	S830X875X120CS	210.80	3.05	222.20
200	8	S838X600X120CS	212.85	3.05	152.40
200	8	S850X650X120CS	215.90	3.05	165.10
200	8	S875X600X120CS	222.95	3.05	152.40
200	8	S898X875X120CS	228.10	3.05	222.20
200	8	S900X400X090CS	228.60	2.30	101.60
200	8	S900X400X120CS	228.60	3.05	101.60
200	8	S900X600X120CS	228.60	3.05	152.40
200	8	S910X400X120CS	231.15	3.05	101.60
200	8	S912X600X120CS	231.65	3.05	152.40
200	8	S915X600X120CS	232.40	3.05	152.40
200	8	S925X600X120CS	234.95	3.05	152.40
200	8	S925X400X120CS	234.95	3.05	101.60
200	8	S950X400X120CS	241.30	3.05	101.60
200	8	S950X600X120CS	241.30	3.05	152.40
200	8	S975X600X120CS	247.65	3.05	152.40
250	10	S1025X750X120CS	260.35	3.05	190.50
250	10	S1050X750X120CS	266.70	3.05	190.50
250	10	S1100X600X120CS	279.40	3.05	152.40
250	10	S1175X600X120CS	298.65	3.05	152.40

Product Group: AD06

Heavy-Duty King Crimp™ - Combination Nipples

Application

- Used in conjunction with Dixon's range of King Crimp™ hose tails that are designed to be permanently attached to hoses through a crimping process. This ensures a secure and leak-free connection while also improving safety by eliminating potential catch points that could be found in other types of hose clamps or fittings. These components are commonly used in industrial and fluid transfer applications where reliable connections are critical.

Features

- Water and petroleum transfer hoses rated from 100 to 300 PSI working pressure (4:1 SF) has excellent test results with the standard King Crimp™ ferrules CF400--XXCS
- 400 PSI working pressure at 21°C (70°F) when used with heavy-duty crimp ferrules CF400-6CSHD to CF400-16CSHD

Material

- Steel schedule 80

Connection

- NPT male



Hose OD (mm)		Part Number	Working Pressure (PSI)	Threaded
mm	inch			
100	4	STC40CSHD	400	NPT

Product Group: AM10

King Crimp™ Heavy-Duty Style - Ferrules

Application

- Used in conjunction with Dixon's range of King Crimp™ hose tails that are designed to be permanently attached to hoses through a crimping process. This ensures a secure and leak-free connection while also improving safety by eliminating potential catch points that could be found in other types of hose clamps or fittings. These components are commonly used in industrial and fluid transfer applications where reliable connections are critical.

Features

- 400 PSI working pressure with a minimum 4:1 safety factor
- Hose working pressure is only achieved with Dixon™ carbon steel ferrule part numbers - CF400-6CSHD to CF400-16CSHD

Material

- Carbon steel (HD)



Hose ID	Hose OD (mm)		Part Numbers	Working Pressure (PSI)	Ferrule ID (mm)	Wall Thickness (mm)	Overall Length (mm)
mm	from	to					
100	114.70	115.90	CF400-6CSHD	400	117.48	3.05	101.60
100	116.30	117.50	CF400-7CSHD	400	119.08	3.05	101.60
100	117.90	119.10	CF400-8CSHD	400	120.65	3.05	101.60
100	119.50	121.70	CF400-9CSHD	400	122.25	3.05	101.60
100	121.00	122.25	CF400-10CSHD	400	123.83	3.05	101.60
100	122.60	123.85	CF400-11CSHD	400	125.43	3.05	101.60
100	124.20	125.40	CF400-12CSHD	400	127.00	3.05	101.60
100	125.80	127.00	CF400-13CSHD	400	128.60	3.05	101.60
100	127.40	128.60	CF400-14CSHD	400	130.18	3.05	101.60
100	129.00	130.20	CF400-15CSHD	400	131.78	3.05	101.60
100	130.60	131.80	CF400-16CSHD	400	133.35	3.05	101.60

Product Group: AU06

- Only use the crimp-style hose tails with the crimp-style sleeves and ferrules
- Due to differences in dimensions and tolerances for safety reasons, do not interchange other manufacturer's products with Dixon™ products

Dixon™ Sanitary King Crimp™ Stems

Application

- Our Sanitary King Crimp™ stems are meticulously designed for seamless use in food and beverage applications. The internal smooth bore ensures a hygienic environment, promoting the highest standards of cleanliness. These stems are lightweight yet robust, making them an excellent choice for various applications. Not only can they be used with Dixon's King Crimp™ ferrules, but they also integrate effortlessly with both PVC and rubber hoses.

Material

- 316 stainless steel



Clamp End x Hose Tail

Size		Part Numbers
mm	inch	
25.4	1	CSSR100CS
38.1	1½	CSSR150CS
50.8	2	CSSR200CS
76.2	3	CSSR300CS
101.6	4	CSSR400CS

Product Group: AV07



Wine x Hose Tail

Size		Part Numbers
mm	inch	
50.8	2	HA0850-KC
76.2	3	HA0851-KC
101.6	4	HA0852-KC

Product Group: AV07



RJT x Hose Tail

Size		Part Numbers
mm	inch	
25.4	1	HA0224-KC
38.1	1½	HA0225-KC
50.8	2	HA0226-KC
63.5	2½	HA0227-KC
76.2	3	HA0228-KC
101.6	4	HA0294-KC

Product Group: AV07



NZ RJT x Hose Tail

Size		Part Numbers
mm	inch	
38.1	1½	HA0225-NZKC
50.8	2	HA0226-NZKC
63.5	2½	HA0227-NZKC
76.2	3	HA0228-NZKC
101.6	4	HA0294-NZKC

Product Group: AV07

- Used with King Crimp™ lightweight ferrules, can also be used with standard ferrules & sleeves refer to page 114

CIP Flat Face x Hose Tail

Size		Part Numbers
mm	inch	
25.4	1	HA0224-CIPKC
38.1	1½	HA0225-CIPKC
50.8	2	HA0226-CIPKC
63.5	2½	HA0227-CIPKC
76.2	3	HA0228-CIPKC
101.6	4	HA0294-CIPKC

Product Group: AV07



Weld End x Hose Tail

Size		Part Numbers
mm	inch	
25.4	1	HA0833-KC
38.1	1½	HA0835-KC
50.8	2	HA0837-KC
63.5	2½	HA0839-KC
76.2	3	HA0841-KC
101.6	4	HA0843-KC

Product Group: AV07



DIN 11851 x Hose Tail

Size		Part Numbers
mm	inch	
25.4	1	HA0239-KC
38.1	1½	HA0240-KC
50.8	2	HA0241-KC
63.5	2½	HA0242-KC
76.2	3	HA0243-KC
101.6	4	HA0234-KC

Product Group: AV07



External King Crimp™ Ferrules

Material

- 304 stainless steel

Size		Part Numbers	Hose OD (mm)	
mm	inch		from	to
25.4	1	CF100-038SS	35	37.5
25.4	1	CF100-043SS	38	42.5
38.1	1½	CF150-052SS	48	51.5
38.1	1½	CF150-056SS	52	55.5
50.8	2	CF200-064SS	61	63.5
50.8	2	CF200-069SS	64	68.5
63.5	2½	CF250-078SS	73	77.5
63.5	2½	CF250-081SS	78	80.5
76.2	3	CF300-091SS	86	90.5
76.2	3	CF300-096SS	91	95.5
101.6	4	CF400-119SS	114	118.5
101.6	4	CF400-124SS	119	123.5

Product Group: AV07



- Used with King Crimp™ lightweight ferrules, can also be used with standard ferrules & sleeves refer to page 114

King Crimp™ Working Pressure Chart

Size	Temperature	Fitting	Clamp	Working Pressure (PSI)
25mm (1")	Ambient	STC10CS STC10CSA	Sleeve	400
	71°C (160°F)			270
	82°C (180°F)			250
	121°C (250°F)			200
	Ambient	STC10CS STC10CSA	Ferrule	400
	71°C (160°F)			270
	82°C (180°F)			250
	121°C (250°F)			200
	Ambient	100-C/E	Sleeve	250
	71°C (160°F)			242
	82°C (180°F)			240
	121°C (250°F)			200
	Ambient	100-C/E	Ferrule	250
	71°C (160°F)			242
	82°C (180°F)			240
	121°C (250°F)			200
40mm (1-1/2")	Ambient	STC20CS STC20CSA	Sleeve	300
	71°C (160°F)			225
	82°C (180°F)			200
	121°C (250°F)			100
	Ambient	STC20CS STC20CSA	Ferrule	350
	71°C (160°F)			225
	82°C (180°F)			200
	121°C (250°F)			150
	Ambient	150-C/E	Sleeve	250
	71°C (160°F)			200
	82°C (180°F)			100
	121°C (250°F)			75
	Ambient	150-C/E	Ferrule	250
	71°C (160°F)			200
	82°C (180°F)			150
	121°C (250°F)			100
50mm (2")	Ambient	STC25CS STC25CSA	Sleeve	250
	71°C (160°F)			150
	82°C (180°F)			125
	121°C (250°F)			80
	Ambient	STC25CS STC25CSA	Ferrule	300
	71°C (160°F)			239
	82°C (180°F)			225
	121°C (250°F)			100
	Ambient	200-C/E	Sleeve	250
	71°C (160°F)			100
	82°C (180°F)			50
	121°C (250°F)			50
	Ambient	200-C/E	Ferrule	250
	71°C (160°F)			100
	82°C (180°F)			100
	121°C (250°F)			100

Size	Temperature	Fitting	Clamp	Working Pressure (PSI)
80mm (3")	Ambient	STC35CS STC35CSA	Sleeve	200
	71°C (160°F)			140
	82°C (180°F)			100
	121°C (250°F)			75
	Ambient	STC35CS STC35CSA	Ferrule	300
	71°C (160°F)			218
	82°C (180°F)			200
	121°C (250°F)			100
	Ambient	300-C/E	Sleeve	125
	71°C (160°F)			100
	82°C (180°F)			60
	121°C (250°F)			55
	Ambient	300-C/E	Ferrule	150
	71°C (160°F)			125
	82°C (180°F)			100
	121°C (250°F)			75
100mm (4")	Ambient	STC40CS STC40CSA	Sleeve	175
	71°C (160°F)			100
	82°C (180°F)			100
	121°C (250°F)			50
	Ambient	STC40CS STC40CSA	Ferrule	300
	71°C (160°F)			218
	82°C (180°F)			200
	121°C (250°F)			100
	Ambient	400-C/E	Sleeve	110
	71°C (160°F)			75
	82°C (180°F)			60
	121°C (250°F)			50
	Ambient	400-C/E	Ferrule	150
	71°C (160°F)			75
	82°C (180°F)			75
	121°C (250°F)			75
150mm (6")	Ambient	STC60CS STC60CSA	Sleeve	75
	71°C (160°F)			---
	82°C (180°F)			---
	121°C (250°F)			---
	Ambient	STC60CS STC60CSA	Ferrule	230
	71°C (160°F)			---
	82°C (180°F)			---
	121°C (250°F)			---
	Ambient	600-C/E	Sleeve	75
	71°C (160°F)			---
	82°C (180°F)			---
	121°C (250°F)			---
	Ambient	600-C/E	Ferrule	75
	71°C (160°F)			---
	82°C (180°F)			---
	121°C (250°F)			---

King Crimp™ Recommendation Guide

Hose Size	Cam & Groove Coupler	Cam & Groove Adaptor	KC Nipple	Sleeve or Ferrule	Hose OD (mm)		Hose OD (mm)	Crimp Diameter (mm)	Hose OD (inch)		Hose OD (inch)	Crimp Diameter (inch)
					from	to			from	to		
25.4mm (1")	100-C-AL 100-C-BR 100-C-SS RC100EZCR G100-C-ALCR G100-C-BRCR G100-C-SSCR AL100C BR100C SS100C	100-E-AL 100-E-BR 100-E-SS G100-E-ALCR G100-E-BRCR G100-E-SSCR AL100E BR100E SS100E	ST10CS STC10CS STC10CSA STV10CS STB10CS RST10SS RST10SSA RSTV10SS RSTB10SSA RSTB10SS	CF100-1XX CS100-1XX	30.56	31.75	30.56	32.47	1 13/64	1 16/64	1 13/64	1.266
							30.96	32.78			1 7/32	1.278
							31.35	33.09			1 15/64	1.290
							31.75	33.39			1 16/64	1.303
				CF100-2XX CS100-2XX	32.15	33.34	32.15	33.77	1 17/64	1 20/64	1 17/64	1.317
							32.54	34.08			1 18/64	1.329
							32.94	34.39			1 19/64	1.342
							33.34	34.70			1 20/64	1.354
				CF100-3XX CS100-3XX	33.73	34.93	33.73	35.01	1 21/64	1 24/64	1 21/64	1.366
							34.13	35.32			1 22/64	1.378
							34.53	35.63			1 23/64	1.390
							36.51	35.94			1 24/64	1.403
				CF100-4XX CS100-4XX	35.32	36.51	35.32	36.35	1 25/64	1 28/64	1 25/64	1.419
							35.72	36.66			1 26/64	1.431
							36.12	36.98			1 27/64	1.443
							36.51	37.29			1 28/64	1.456
				CF100-6XX CS100-6XX	38.50	39.69	36.91	37.60	1 29/64	1 32/64	1 33/64	1.517
							37.31	37.92			1 34/64	1.530
							37.70	38.23			1 35/64	1.542
							38.10	38.54			1 36/64	1.554
				CF100-7XX CS100-7XX	40.08	41.28	40.08	40.11	1 37/64	1 40/64	1 37/64	1.567
							40.48	40.42			1 38/64	1.579
							40.88	40.74			1 39/64	1.591
							41.28	41.05			1 40/64	1.604
				CF100-8XX CS100-8XX	41.67	42.86	41.67	41.36	1 41/64	1 44/64	1 41/64	1.616
							42.07	41.68			1 42/64	1.628
							42.47	41.99			1 43/64	1.641
							42.86	42.31			1 44/64	1.653
				CF100-9XX CS100-9XX	42.86	44.05	43.26	42.62	1 45/64	1 48/64	1 45/64	1.665
							43.66	42.93			1 46/64	1.678
							44.05	43.25			1 47/64	1.690
							44.45	43.56			1 48/64	1.703
				CF100-10XX CS100-10XX	44.45	45.64	44.85	43.87	1 49/64	1 52/64	1 49/64	1.715
							45.24	44.19			1 50/64	1.727
							45.64	44.50			1 51/64	1.740
							46.04	44.81			1 52/64	1.752
31.7mm (1¼")	RC125EZCR	-	STC15CS STC15CSA RST15CS RST15CSA STV15CS RSTV15CS STB15CS RSTB15CS	CS125-3XX CF125-3XX	41.67	42.86	41.67	42.64	1 41/64	1 44/64	1 41/64	1.679
							42.07	42.95			1 42/64	1.691
							42.47	43.26			1 43/64	1.703
							42.86	43.58			1 44/64	1.716
				CS125-4XX CF125-4XX	43.26	44.45	43.26	43.89	1 45/64	1 48/64	1 45/64	1.728
							43.66	44.20			1 46/64	1.740
							44.05	44.52			1 47/64	1.753
							44.45	44.83			1 48/64	1.765
				CS125-5XX CF125-5XX	44.85	46.04	44.85	45.15	1 49/64	1 52/64	1 49/64	1.777
							45.24	45.46			1 50/64	1.790
							45.64	45.77			1 51/64	1.802
							46.04	46.09			1 52/64	1.814
				CS125-6XX CF125-6XX	46.43	47.63	46.43	46.40	1 53/64	1 56/64	1 53/64	1.827
							46.83	46.71			1 54/64	1.839
							47.23	47.03			1 55/64	1.851
							47.63	47.34			1 56/64	1.864

King Crimp™ Recommendation Guide

Hose Size	Cam & Groove Coupler	Cam & Groove Adaptor	KC Nipple	Sleeve or Ferrule	Hose OD (mm) from	Hose OD (mm) to	Hose OD (mm)	Crimp Diameter (mm)	Hose OD (inch) from	Hose OD (inch) to	Hose OD (inch)	Crimp Diameter (inch)
38.1mm (1.5")	150-C-AL 150-C-BR 150-C-SS RC150EZCR G150-C-ALCR G150-C-BRCR G150-C-SSCR AL150C BR150C SS150C	150-E-AL 150-E-BR 150-E-SS G150-E-ALCR G150-E-BRCR G150-E-SSCR AL150E BR150E SS150E	STC20CS STC20CSA RST20CS RST20CSA STV20CS RSTV20CS STB20CS RSTB20CS RSTB20CSA FST20CS RFST20CS	CF150-1XX CS150-1XX	41.67	42.86	41.672	43.842	1 41/64	1 44/64	1 41/64	1.726
							42.069	44.136			1 42/64	1.738
							42.466	44.429			1 43/64	1.749
							42.863	44.723			1 44/64	1.761
				CF150-2XX CS150-2XX	43.26	44.45	43.259	45.172	1 45/64	1 48/64	1 45/64	1.778
							43.656	45.477			1 46/64	1.790
							44.053	45.783			1 47/64	1.802
							44.450	46.088			1 48/64	1.815
				CF150-3XX CS150-3XX	44.85	46.04	44.847	46.461	1 49/64	1 52/64	1 49/64	1.829
							45.244	46.771			1 50/64	1.841
							45.641	47.080			1 51/64	1.854
							46.038	47.390			1 52/64	1.866
				CF150-4XX CS150-4XX	46.43	47.63	45.434	47.70	1 53/64	1 56/64	1 53/64	1.878
							46.831	48.009			1 54/64	1.890
							47.228	48.319			1 55/64	1.902
							47.625	48.628			1 56/64	1.915
				CF150-5XX CS150-5XX	48.02	49.21	48.022	49.037	1 57/64	1 60/64	1 57/64	1.931
							48.419	49.351			1 58/64	1.943
							48.816	49.664			1 59/64	1.955
							49.213	49.978			1 60/64	1.968
				CF150-6XX CS150-6XX	49.61	50.80	49.609	50.291	1 61/64	2	1 61/64	1.980
							50.006	50.605			1 62/64	1.992
							50.403	50.918			1 63/64	2.005
							50.800	51.232			2	2.017
				CF150-7XX CS150-7XX	51.20	52.39	51.197	51.545	2 1/64	2 4/64	2 1/64	2.029
							51.594	51.859			2 2/64	2.042
							51.991	52.172			2 3/64	2.054
							52.388	52.486			2 4/64	2.066
				CF150-8XX CS150-8XX	5278	53.98	52.784	52.799	2 5/64	2 8/64	2 5/64	2.079
							53.181	53.113			2 6/64	2.091
							53.578	53.427			2 7/64	2.103
							53.975	53.740			2 8/64	2.116
				CF150-9XX CS150-9XX	54.37	55.56	54.372	54.054	2 9/64	2 12/64	2 9/64	2.128
							54.769	54.367			2 10/64	2.140
							55.166	54.681			2 11/64	2.153
							55.563	54.994			2 12/64	2.165
				CF150-10XX CS150-10XX	55.96	57.15	55.959	55.308	2 13/64	2 16/64	2 13/64	2.177
							56.356	55.621			2 14/64	2.190
							56.753	55.935			2 15/64	2.202
							57.150	56.248			2 16/64	2.215
				CS150-11XX CF150-11XX	57.55	58.74	57.547	56.562	2 17/64	2 20/64	2 17/64	2.227
							57.944	56.875			2 18/64	2.239
							58.341	57.189			2 19/64	2.252
							58.738	57.502			2 10/64	2.264
				CS150-12XX CF150-12XX	59.13	60.33	59.134	57.816	2 21/64	2 24/64	2 21/64	2.276
							59.531	58.129			2 22/64	2.289
							59.928	58.443			2 23/64	2.301
							60.325	58.757			2 24/64	2.313

King Crimp™ Recommendation Guide

Hose Size	Cam & Groove Coupler	Cam & Groove Adaptor	KC Nipple	Sleeve or Ferrule	Hose OD (mm)		Hose OD (mm)	Crimp Diameter (mm)	Hose OD (inch)		Hose OD (inch)	Crimp Diameter (inch)
					from	to			from	to		
50.8mm (2")	200-C-AL 200-C-BR 200-C-SS RC200EZCR G200-C-ALCR G200-C-BRCR G200-C-SSCR AL200C BR200C SS200C	200-E-AL 200-E-BR 200-E-SS G200-E-ALCR G200-E-BRCR G200-E-SSCR AL200E BR200E SS200E	ST25CS STC25CS STC25CSA STV25CS STB25CS RST25SS RST25SSA RSTV25SS RSTB25SSA RSTB25SS	CF200-1XX CS200-1XX	55.96	57.15	55.96	58.49	2 13/64	2 16/64	2 13/64	2.278
							56.36	58.79			2 14/64	2.290
							56.75	59.10			2 15/64	2.302
							57.15	59.40			2 16/64	2.315
				CF200-2XX CS200-2XX	57.55	58.74	57.55	59.79	2 17/64	2 20/64	2 17/64	2.329
							57.94	60.09			2 18/64	2.341
							58.34	60.40			2 19/64	2.354
							58.74	60.71			2 20/64	2.366
				CF200-3XX CS200-3XX	59.13	60.33	59.13	61.02	2 21/64	2 24/64	2 21/64	2.378
							59.53	61.33			2 22/64	2.390
							59.93	61.64			2 23/64	2.402
							60.33	61.95			2 24/64	2.415
				CF200-4XX CS200-4XX	60.72	61.91	60.72	62.37	2 25/64	2 28/64	2 25/64	2.431
							61.12	62.68			2 26/64	2.443
							61.52	63.00			2 27/64	2.455
							61.91	63.31			2 28/64	2.468
				CF200-5XX CS200-5XX	62.31	63.50	62.31	63.62	2 29/64	2 32/64	2 29/64	2.480
							62.71	63.94			2 30/64	2.492
							63.10	64.25			2 31/64	2.505
							63.50	64.56			2 32/64	2.517
				CF200-6XX CS200-6XX	63.90	65.09	63.90	64.88	2 33/64	2 36/64	2 33/64	2.529
							64.29	65.19			2 34/64	2.542
							64.69	65.50			2 35/64	2.554
							65.09	65.82			2 36/64	2.566
				CF200-7XX CS200-7XX	65.48	66.68	65.48	66.13	2 37/64	2 40/64	2 37/64	2.579
							65.88	66.44			2 38/64	2.591
							66.28	66.76			2 39/64	2.603
							66.68	67.07			2 40/64	2.616
				CF200-8XX CS200-8XX	67.07	68.26	67.07	67.39	2 41/64	2 44/64	2 41/64	2.628
							67.47	67.70			2 42/64	2.640
							67.87	68.07			2 43/64	2.653
							68.26	68.33			2 44/64	2.665
				CF200-9XX CS200-9XX	68.66	69.85	68.66	68.64	2 45/64	2 48/64	2 45/64	2.677
							69.06	68.95			2 46/64	2.690
							69.45	69.27			2 47/64	2.702
							69.85	69.58			2 48/64	2.715
				CF200-10XX CS200-10XX	70.25	71.44	70.25	69.89	2 49/64	2 52/64	2 49/64	2.727
							70.64	70.21			2 50/64	2.739
							71.04	70.52			2 51/64	2.752
							71.44	70.83			2 52/64	2.764
				CS200-11XX CF200-11XX	71.83	73.03	71.83	71.15	2 53/64	2 56/64	2 53/64	2.776
							72.23	71.46			2 54/64	2.789
							72.63	71.76			2 55/64	2.801
							73.03	72.09			2 56/64	2.813
				CS200-12XX CF200-12XX	73.42	74.61	73.42	72.40	2 57/64	2 60/64	2 57/64	2.826
							73.82	72.72			2 58/64	2.838
							74.22	73.03			2 59/64	2.850
							74.61	73.34			2 60/64	2.863

King Crimp™ Recommendation Guide

Hose Size	Cam & Groove Coupler	Cam & Groove Adaptor	KC Nipple	Sleeve or Ferrule	Hose OD (mm) from	Hose OD (mm) to	Hose OD (mm)	Crimp Diameter (mm)	Hose OD (inch) from	Hose OD (inch) to	Hose OD (inch)	Crimp Diameter (inch)
76.2mm (3")	300-C-AL 300-C-BR 300-C-SS RC300EZCR G300-C-ALCR G300-C-BRCR G300-C-SSCR AL300C BR300C SS300C	300-E-AL 300-E-BR 300-E-SS G300-E-ALCR G300-E-BRCR G300-E-SSCR AL300E BR300E SS300E	ST35CS STC35CS STC35CSA STV35CS STB35CS RST35SS RST35SSA RSTV35SS RSTB35SSA RSTB35SS	CF300-1XX CS300-1XX	81.36	82.55	81.36	85.59	3 13/64	3 16/64	3 13/64	3.333
							81.76	85.90			3 14/64	3.344
							82.15	86.20			3 15/64	3.357
							82.55	86.51			3 16/64	3.370
				CF300-2XX CS300-2XX	82.95	84.14	82.95	86.89	3 17/64	3 20/64	3 17/64	3.383
							83.34	87.20			3 18/64	3.396
							83.74	87.51			3 19/64	3.409
							84.14	87.82			3 20/64	3.420
				CF300-3XX CS300-3XX	84.53	85.73	84.53	88.13	3 21/64	3 24/64	3 21/64	3.433
							84.93	88.44			3 22/64	3.444
							85.33	88.75			3 23/64	3.457
							85.73	89.05			3 24/64	3.470
				CF300-4XX CS300-4XX	86.12	87.31	86.12	89.48	3 25/64	3 28/64	3 25/64	3.485
							86.52	89.80			3 26/64	3.498
							86.92	90.11			3 27/64	3.509
							87.31	90.42			3 28/64	3.522
				CF300-5XX CS300-5XX	87.71	88.90	87.71	90.74	3 29/64	3 32/64	3 29/64	3.535
							88.11	91.05			3 30/64	3.546
							88.50	91.36			3 31/64	3.559
							88.90	91.68			3 32/64	3.572
				CF300-6XX CS300-6XX	89.30	90.49	89.30	91.99	3 33/64	3 36/64	3 33/64	3.583
							89.69	92.30			3 34/64	3.596
							90.09	92.62			3 35/64	3.609
							90.49	92.93			3 36/64	3.620
				CF300-7XX CS300-7XX	90.88	92.08	90.88	93.24	3 37/64	3 40/64	3 37/64	3.633
							91.28	93.56			3 38/64	3.646
							91.68	93.87			3 39/64	3.657
							92.08	94.19			3 40/64	3.670
				CF300-8XX CS300-8XX	92.47	93.66	92.47	94.50	3 41/64	3 44/64	3 41/64	3.683
							92.87	94.81			3 42/64	3.694
							93.27	95.13			3 43/64	3.707
							93.66	95.44			3 44/64	3.720
				CF300-9XX CS300-9XX	94.06	95.26	94.06	95.75	3 45/64	3 48/64	3 45/64	3.731
							94.46	96.07			3 46/64	3.744
							94.85	96.38			3 47/64	3.757
							92.25	96.69			3 48/64	3.770
				CF300-10XX CS300-10XX	95.65	96.84	95.65	97.01	3 49/64	3 52/64	3 49/64	3.781
							96.04	97.32			3 50/64	3.794
							96.44	97.63			3 51/64	3.807
							96.84	97.95			3 52/64	3.818
				CS300-11XX CF300-11XX	97.23	98.43	97.23	98.26	3 53/64	3 56/64	3 53/64	3.831
							97.63	98.57			3 54/64	3.844
							98.03	98.89			3 55/64	3.855
							98.43	99.20			3 56/64	3.868
				CS300-12XX CF300-12XX	98.82	100.01	98.82	99.52	3 57/64	3 60/64	3 57/64	3.881
							99.22	99.3			3 58/64	3.892
							99.62	100.14			3 59/64	3.905
							100.01	100.46			3 60/64	3.918
				CS300-13XX CF300-13XX	100.41	101.60	100.41	10.77	3 61/64	4	3 61/64	3.929
							100.81	101.08			3 62/64	3.942
							101.20	101.40			3 63/64	3.955
							101.60	101.71			4	3.966
				CS300-14XX CF300-14XX	102.00	103.19	102.00	102.02	4 1/64	4 4/64	4 1/64	3.979
							102.39	102.34			4 2/64	3.992
							102.79	102.65			4 3/64	4.003
							103.19	102.96			4 4/64	4.016
				CS300-15XX CF300-15XX	103.58	104.78	103.58	103.28	4 5/64	4 8/64	4 5/64	4.029
							103.98	103.59			4 6/64	4.040
							104.38	103.90			4 7/64	4.053
							104.78	104.22			4 8/64	4.066
				CS300-16XX CF300-16XX	105.17	106.36	105.17	104.53	4 9/64	4 12/64	4 9/64	4.077
							105.57	104.85			4 10/64	4.090
							105.97	105.16			4 11/64	4.103
							106.36	105.47			4 12/64	4.114

King Crimp™ Recommendation Guide

Hose Size	Cam & Groove Coupler	Cam & Groove Adaptor	KC Nipple	Sleeve or Ferrule	Hose OD (mm) from	Hose OD (mm) to	Hose OD (mm)	Crimp Diameter (mm)	Hose OD (inch) from	Hose OD (inch) to	Hose OD (inch)	Crimp Diameter (inch)
101.6mm (4")	400-C-AL 400-C-BR 400-C-SS RC400EZCR G400-C-ALCR G400-C-BRCR G400-C-SSCR AL400C BR400C SS400C	400-E-AL 400-E-BR 400-E-SS G400-E-ALCR G400-E-BRCR G400-E-SSCR AL400E BR400E SS400E	ST40CS STC40CS STC40CSA STV40CS STB40CS RST40SS RST40SSA RSTV40SS RSTB40SSA RSTB40SS	CF400-1XX CS400-1XX	106.76	107.95	106.76	111.30	4 13/64	4 16/64	4 13/64	4.333
							107.16	111.61			4 14/64	4.344
							107.55	111.91			4 15/64	4.357
							107.95	112.22			4 16/64	4.370
				CF400-2XX CS400-2XX	108.35	109.54	108.35	112.61	4 17/64	4 20/64	4 17/64	4.383
							108.74	112.92			4 18/64	4.396
							109.14	113.25			4 19/64	4.409
							109.54	113.54			4 20/64	4.420
				CF400-3XX CS400-3XX	109.93	111.13	106.36	113.84	4 21/64	4 24/64	4 21/64	4.433
							110.33	114.15			4 22/64	4.444
							110.73	114.46			4 23/64	4.457
							111.13	114.77			4 24/64	4.470
				CF400-4XX CS400-4XX	111.52	112.71	111.52	115.20	4 25/64	4 28/64	4 25/64	4.485
							111.92	115.51			4 26/64	4.498
							112.32	115.83			4 27/64	4.509
							112.71	116.14			4 28/64	4.522
				CF400-5XX CS400-5XX	113.11	114.30	113.11	116.45	4 29/64	4 32/64	4 29/64	4.535
							113.51	116.77			4 30/64	4.546
							113.90	117.08			4 31/64	4.559
							114.30	117.39			4 32/64	4.572
				CF400-6XX CS400-6XX	114.70	115.89	114.70	117.71	4 33/64	4 36/64	4 33/64	4.583
							115.09	118.02			4 34/64	4.596
							115.49	118.33			4 35/64	4.609
							115.89	118.65			4 36/64	4.620
				CF400-7XX CS400-7XX	116.28	117.48	116.28	118.96	4 37/64	4 40/64	4 37/64	4.633
							116.68	119.27			4 38/64	4.646
							117.08	119.59			4 39/64	4.657
							117.48	119.90			4 40/64	4.670
				CF400-8XX CS400-8XX	117.87	119.08	117.87	120.21	4 41/64	4 44/64	4 41/64	4.683
							118.27	120.53			4 42/64	4.694
							118.67	120.84			4 43/64	4.707
							119.06	121.16			4 44/64	4.720
				CF400-9XX CS400-9XX	119.46	120.65	119.46	121.47	4 45/64	4 48/64	4 45/64	4.731
							119.86	121.78			4 46/64	4.744
							120.25	122.10			4 47/64	4.757
							120.85	122.41			4 48/64	4.770
				CF400-10XX CS400-10XX	121.05	122.24	121.05	122.72	4 49/64	4 52/64	4 49/64	4.781
							121.44	123.04			4 50/64	4.794
							121.84	123.35			4 51/64	4.807
							122.24	123.66			4 52/64	4.818
				CS400-11XX CF400-11XX	122.63	123.83	122.63	123.98	4 53/64	4 56/64	4 53/64	4.831
							123.03	124.29			4 54/64	4.844
							123.43	124.60			4 55/64	4.855
							123.83	124.92			4 56/64	4.868
				CS400-12XX CF400-12XX	124.22	125.41	124.22	125.23	4 57/64	4 60/64	4 57/64	4.881
							124.62	125.54			4 58/64	4.892
							125.02	125.86			4 59/64	4.905
							125.41	126.17			4 60/64	4.918
				CS400-13XX CF400-13XX	125.81	127.00	125.81	126.49	4 61/64	5	4 61/64	4.929
							126.21	126.80			4 62/64	4.942
							126.60	127.11			4 63/64	4.955
							127.00	127.43			5	4.966
				CS400-14XX CF400-14XX	127.40	128.59	127.40	127.74	5 1/64	5 4/64	5 1/64	4.979
							127.79	128.05			5 2/64	4.992
							128.19	128.37			5 3/64	5.003
							128.59	128.68			5 4/64	5.016
				CS400-15XX CF400-15XX	128.98	130.18	128.98	128.99	5 5/64	5 8/64	5 5/64	5029
							129.38	129.31			5 6/64	5.040
							129.78	129.62			5 7/64	5.053
							130.18	129.93			5 8/64	5.066
				CS400-16XX CF400-16XX	130.57	131.76	130.57	130.25	5 9/64	5 12/64	5 9/64	5.077
							130.97	130.56			5 10/64	5.090
							131.37	130.87			5 11/64	5.103
							131.76	131.19			5 12/64	5.114

King Crimp™ Recommendation Guide

Hose Size	Cam & Groove Coupler	Cam & Groove Adaptor	KC Nipple	Sleeve or Ferrule	Hose OD (mm)		Hose OD (mm)	Crimp Diameter (mm)	Hose OD (inch)		Hose OD (inch)	Crimp Diameter (inch)
					from	to			from	to		
152.44mm (6")	600-C-AL 600-C-BR 600-C-SS RC600EZCR G600-C-ALCR G600-C-BRCR G600-C-SSCR AL600C BR600C SS600C	600-E-AL 600-E-BR 600-E-SS G600-E-ALCR G600-E-BRCR G600-E-SSCR AL600E BR600E SS600E	ST60CS STC60CS STC60CSA STV60CS STB60CS RST60SS RST60SSA RSTV60SS RSTB60SSA RSTB60SS	CF600-1XX CS600-1XX	157.56	163.51	160.73	167.07	6 21/64	6 28/64	6 21/64	6.503
							161.13	167.38			6 22/64	6.516
							161.53	167.69			6 23/64	6.527
							161.93	168.00			6 24/64	6.540
							162.32	168.31			6 25/64	6.553
							162.72	168.62			6 26/64	6.564
							163.12	168.93			6 27/64	6.577
							163.51	169.24			6 28/64	6.588
				CF600-2XX CS600-2XX	163.91	163.91	163.91	169.69	6 29/64	6 36/64	6 29/64	6.605
							164.31	170.00			6 30/64	6.618
							164.70	170.31			6 31/64	6.631
							165.10	170.63			6 32/64	6.642
							165.50	170.94			6 33/64	6.655
							165.89	171.26			6 34/64	6.668
							166.29	171.57			6 35/64	6.679
							166.69	171.88			6 36/64	6.692
				CF600-3XX CS600-3XX	167.08	169.86	167.08	172.20	6 37/64	6 44/64	6 37/64	6.705
							167.48	172.51			6 38/64	6.716
							167.88	172.82			6 39/64	6.729
							168.28	173.14			6 40/64	6.742
							168.67	173.45			6 41/64	6.753
							169.07	173.76			6 42/64	6.766
							169.47	174.08			6 43/64	6.779
							169.86	174.39			6 44/64	6.790
				CF600-4XX CS600-4XX	170.26	173.04	170.26	174.70	6 45/64	6 52/64	6 45/64	6.803
							170.66	175.02			6 46/64	6.816
							171.05	175.33			6 47/64	6.827
							171.45	175.64			6 48/64	6.840
							171.85	175.96			6 49/64	6.853
							172.24	176.27			6 50/64	6.864
							172.64	176.59			6 51/64	6.877
							173.04	176.90			6 52/64	6.890
				CF600-5XX CS600-5XX	173.43	176.21	173.43	177.21	6 53/64	6 60/64	6 53/64	6.901
							173.83	177.53			6 54/64	6.914
							174.23	177.84			6 55/64	6.927
							174.63	178.15			6 56/64	6.938
							175.02	178.47			6 57/64	6.951
							175.42	178.78			6 58/64	6.964
							175.82	179.09			6 59/64	6.975
							176.21	179.41			6 60/64	6.988
				CF600-6XX CS600-6XX	176.61	179.39	176.61	179.72	6 61/64	7 4/64	6 61/64	7.001
							177.01	180.03			6 62/64	7.012
							177.40	180.35			6 63/64	7.025
							177.80	180.68			7	7.038
							178.20	180.97			7 1/64	7.050
							178.59	181.29			7 2/64	7.062
							178.99	181.60			7 3/64	7.075
							179.39	181.92			7 4/64	7.087
				CF600-7XX CS600-7XX	179.78	182.56	179.78	182.23	7 5/64	7 12/64	7 5/64	7.100
							180.18	182.54			7 6/64	7.111
							180.58	182.86			7 7/64	7.124
							180.98	183.17			7 8/64	7.137
							181.37	183.48			7 9/64	7.148
							181.77	183.80			7 10/64	7.161
							182.17	184.11			7 12/64	7.174
							182.56	184.42			7 13/64	7.185
				CF600-8XX CS600-8XX	182.96	185.74	182.96	184.74	7 13/64	7 20/64	7 14/64	7.198
							183.36	185.05			7 15/64	7.211
							183.75	185.36			7 16/64	7.222
							184.15	185.68			7 17/64	7.235
							154.55	185.99			7 18/64	7.248
							184.94	186.30			7 19/64	7.259
							185.34	186.62			7 20/64	7.272
							185.74	186.93			7 21/64	7.285
				CF600-9XX CS600-9XX	186.13	188.91	186.13	187.25	7 21/64	7 28/64	7 1/64	7.296
							186.53	187.56			7 22/64	7.309
							186.93	187.87			7 23/64	7.322
							187.33	188.19			7 24/64	7.333
							187.72	188.50			7 25/64	7.346
							188.12	188.81			7 26/64	7.359
							188.52	189.13			7 27/64	7.370
							188.91	189.44			7 28/64	7.383

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Minsup® A-Type - SG Iron

Standard Seal 500 PSI

Application

- Minsup® claw couplings are universal hose couplings that provide quick, safe, and reliable connections. Claw couplings are most commonly used for conveying air, and water, and are not to be used for steam applications. Common industry applications include, underground and surface mining, mineral processing, compressor, air tool industries, and hire companies.

Features

- Standard coupling heads ensure the interchangeability of all sizes, regardless of whether the mating coupling is male, female or hose tail
- Complies with AS2554 and AS2660

Materials

- SG Iron ISO 1083, zinc plated AS1789

Seal Materials

- Nitrile Buna-N Rubber (NBR standard seal)
- FKM

Temperature Range

- Nitrile Buna-N Rubber (NBR) seal -29°C to 71°C
- FKM seal -30°C to 200°C

Working Pressure

- Standard seal 500 PSI

Size Range

- 10mm to 32mm (⅜" to 1¼")

Compatible With

- European A-Type claw couplings



Male Thread

Thread Size		Part Numbers		Seal Type	Box Quantity
mm	inch	Male BSP	Male NPT		
10	⅜	08/001/12/000	08/001/12/004	AWR4 Standard	50
15	½	08/001/09/000	08/001/09/004	AWR4 Standard	50
20	¾	08/001/06/000	08/001/06/004	AWR4 Standard	50
25	1	08/001/03/000	08/001/03/004	AWR4 Standard	50
32	1¼	08/001/01/000	-	AWR4 Standard	50

Product Group: AA01



Female Thread

Thread Size		Part Numbers		Seal Type	Box Quantity
mm	inch	Female BSP	Female NPT		
10	⅜	08/001/13/000	08/001/13/004	AWR4 Standard	50
15	½	08/001/10/000	08/001/10/004	AWR4 Standard	50
20	¾	08/001/07/000	08/001/07/004	AWR4 Standard	50
25	1	08/001/04/000	08/001/04/004	AWR4 Standard	50

Product Group: AA01



Hose Tail

Thread Size		Part Numbers	Seal Type	Box Quantity
mm	inch			
10	⅜	08/001/14/000	AWR4 Standard	50
15	½	08/001/11/000	AWR4 Standard	50
20	¾	08/001/08/000	AWR4 Standard	50
25	1	08/001/05/000	AWR4 Standard	50
32	1¼	08/001/02/000	AWR4 Standard	50

Product Group: AA01



For Minsup® safety claw clamps refer to page 140



For crimp ring ferrules refer to page 139

- Never use A-Type couplings for steam service. None of Dixon's™ catalogue information is to be interpreted to mean that this type of coupling is suitable for use on steam hose

Minsup® A-Type - SG Iron

Standard Seal 500 PSI

Three-Way

Part Number	Seal Type	Box Quantity
08/001/16/000	AWR4 Standard	20

Product Group: AA01



Blank End

Part Number	Seal Type	Box Quantity
08/001/15/000	AWR4 Standard	50

Product Group: AA01



A-Type to Medium Surelock® Adaptor

Application

- Enables easy connection between Minsup® A-Type & medium Surelock® - 40mm to 50mm.

Part Number	Seal Type	Box Quantity
08/013/32/000	AWR4 standard/medium Surelock® bellow	10

Product Group: AA01



A-Type Standard Seal - 500 PSI

Part Numbers	Material	Box Quantity
AWR4	Nitrile Buna Rubber	50
AWR4V	FKM	50

A-Type standard seals cannot be substituted with a bellow seal

Product Group: AD05



- Never use A-Type couplings for steam service. None of Dixon's™ catalogue information is to be interpreted to mean that this type of coupling is suitable for use on steam hose



Minsup® A-Type - Bellow Seal

Bellow Seal 1000 PSI

Application

- Minsup® claw couplings are universal hose couplings that provide quick, safe, and reliable connections. Claw couplings are most commonly used for conveying air, and water, and are not to be used for steam applications. Common industry applications include, underground and surface mining, mineral processing, compressor, air tool industries, and hire companies.

Features

- Standard coupling heads ensure the interchangeability of all sizes, regardless of whether the mating coupling is male, female or hose tail
- Complies with AS2554 and AS2660

Materials

- SG Iron ISO 1083, zinc plated AS1789
- 316 Stainless steel CF8M

Seal Materials

- Nitrile Buna-N Rubber (NBR standard seal)
- FKM

Temperature Range

- Nitrile Buna-N Rubber (NBR) seal -29°C to 71°C
- FKM seal -30°C to 200°C

Working Pressure

- Standard seal 1000 PSI

Size Range

- 10mm to 32mm (⅜" to 1¼")



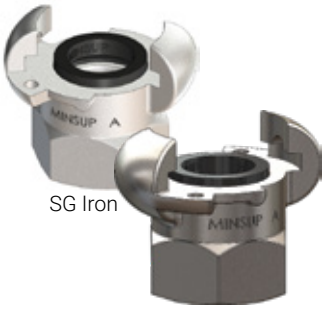
SG Iron

Stainless Steel

Male Thread

Thread Size		Part Numbers		Seal Type	Box Quantity
mm	inch	SG Iron	Stainless Steel		
10	⅜	ABS10M	-	Bellow	50
15	½	ABS15M	AM13BSPSTS-B	Bellow	50
20	¾	ABS20M	AM20BSPSTS-B	Bellow	50
25 BSP	1 BSP	ABS25M	AM25BSPSTS-B	Bellow	50
25 NPT	1 NPT	-	AM25NPTSTS-B	Bellow	50
32	1¼	ABS32M	-	Bellow	50

Product Group: AA01



SG Iron

Stainless Steel

Female Thread

Thread Size		Part Numbers		Seal Type	Box Quantity
mm	inch	SG Iron	Stainless Steel		
10	⅜	ABS10F	-	Bellow	50
15	½	ABS15F	AF13BSPSTS-B	Bellow	50
20	¾	ABS20F	AF20BSPSTS-B	Bellow	50
25 BSP	1 BSP	ABS25F	AF25BSPSTS-B	Bellow	50
25 NPT	1 NPT	-	AF25NPTSTS-B	Bellow	50

Product Group: AA01



SG Iron

Stainless Steel

Hose Tail

Thread Size		Part Numbers		Seal Type	Box Quantity
mm	inch	SG Iron	Stainless Steel		
10	⅜	ABS10H	-	Bellow	50
15	½	ABS15H	AH13STS-B	Bellow	50
20	¾	ABS20H	AH20STS-B	Bellow	50
25	1	ABS25H	AH25STS-B	Bellow	50
32	1¼	ABS32H	-	Bellow	50

Product Group: AA01

For Minsup® safety claw clamps refer to page 140

For crimp ring ferrules refer to page 139

- A-Type standard seals cannot be substituted with a bellow seal
- Never use A-Type couplings for steam service. None of Dixon's™ catalogue information is to be interpreted to mean that this type of coupling is suitable for use on steam hose
- Maximum working pressure is based on the lowest-rated component of a completed assembly used at ambient temperature

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King Crimp™ Hose Tail

Thread Size		Part Numbers		Seal Type	Box Quantity
mm	inch	SG Iron	Stainless Steel		
25	1	AH25KC	AH25STSKC-B	Bellow 1000 PSI	50

Designed for use with King Crimp™ ferrules & sleeves, refer to page 114

Product Group: AA01



SG Iron

Stainless Steel

Three-Way

Part Number	Material	Seal Type	Box Quantity
ABS1032T	SG Iron	Bellow	20

Product Group: AA01



Blank End

Part Numbers		Seal Type	Box Quantity
SG Iron	Stainless Steel		
ABS1032B	AB1032STS-B[1]	Bellow	50

[1]Includes chain

Product Group: AA01



SG Iron

Stainless Steel

Composite Bellow Seal - 1000 PSI

Part Numbers	Material	Box Quantity
ABS1032N	Nitrile Buna Rubber	50
ABS1032V	FKM	1

A-Type bellow seal can not be substituted with the standard seal

Product Group: AA01



Seal Insertion Tools

Part Number	Box Quantity
IT100AB	1

Product Group: AA01



Surelock® - Bellow Seal

Bellow Seal 1000 PSI

Application

- Minsup® Surelock® couplings are universal hose claw couplings that provide quick, safe and reliable connections. Claw couplings are designed with a common or universal claw which enables differing hose sizes and nominal bores to be connected. Claw couplings are commonly used for conveying air and water, and are not to be used for steam applications. Dixon™ Minsup® Surelock® stainless steel couplings are high-quality precision cast fittings suitable for corrosive environments.

Features

- Complies with AS2554 and AS2660

Materials

- SG Iron ISO 1083, zinc plated AS1789
- 316 Stainless steel CF8M

Seal Materials

- Nitrile Buna-N Rubber (NBR) is the standard seal
- FKM is available

Temperature Range

- Nitrile Buna-N Rubber (NBR) seal -29°C to 71°C
- FKM seal -30°C to 200°C

Working Pressure

- 1000 PSI - 10mm to 50mm (⅜" to 2")
- 500 PSI - 80mm (3")

Size Range

- Small: 10mm to 32mm (⅜" to 1¼")
- Medium: 40mm & 50mm (1½" & 2")
- Large: 80mm (3")

Surelock® Working Pressures

Thread Size		Working Pressure (PSI)	Working Pressure (MPa)	Burst Pressure (PSI)	Burst Pressure (MPa)
mm	inch				
10 - 32	⅜ - 1¼	1000	6.9	4000	27.58
38 - 50	1½ - 2	1000	6.9	4000	27.58
80	3	500	3.4	2000	13.80

Surelock® Male



SG Iron

Stainless Steel

Male Thread - Small Head

Thread Size		Part Numbers				Box Quantity
		BSP		NPT		
mm	inch	SG Iron	Stainless Steel	SG Iron	Stainless Steel	
10	⅜	08/013/23/000	-	08/013/23/001	-	50
15	½	08/013/20/000	SM13BSPSTS	08/013/20/001	-	50
20	¾	08/013/17/000	SM20BSPSTS	08/013/17/001	SM20NPTSTS	50
25	1	08/013/14/000	SM25BSPSTS	08/013/14/001	SM25NPTSTS	50
32	1¼	08/013/11/000	-	-	-	50

Product Group: AA03



SG Iron

Stainless Steel

Male Thread - Medium Head

Thread Size		Part Numbers				Box Quantity
		BSP		NPT		
mm	inch	SG Iron	Stainless Steel	SG Iron	Stainless Steel	
40	1½	08/013/07/000	-	08/013/07/001	-	15
50	2	08/013/04/000	SM50BSPSTS	08/013/04/001	SM50NPTSTS	15

Product Group: AA04

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Male Thread - Large Head

Thread Size		Part Number		Seal Type	Box Quantity
mm	inch	SG Iron	Stainless Steel		
80	3	08/013/01/000	-	Large bellow	3

Product Group: AA05



Surelock® Female

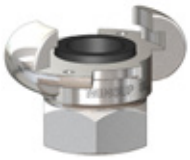
Female Thread - Small Head

Thread Size		Part Numbers			Box Quantity
		BSP		NPT	
mm	inch	SG Iron	Stainless Steel	SG Iron	
10	⅜	08/013/24/000	-	08/013/24/001	50
15	½	08/013/21/000	SF13BSPSTS	-	50
20	¾	08/013/18/000	SF20BSPSTS	08/013/18/001	50
25	1	08/013/15/000	SF25BSPSTS	08/013/15/001	50

Product Group: AA03



SG Iron



Stainless Steel

Female Thread - Medium Head

Thread Size		Part Numbers			Box Quantity
		BSP		NPT	
mm	inch	SG Iron	Stainless Steel	SG Iron	
40	1½	08/013/08/000	-	08/013/08/001	15
50	2	08/013/05/000	SF50BSPSTS	08/013/05/001	15

Product Group: AA04



SG Iron



Stainless Steel

Female Thread - Large Head

Thread Size		Part Numbers		Seal Type	Box Quantity
mm	inch	SG Iron	Stainless Steel		
80	3	08/013/02/000	-	Large bellow	3

Product Group: AA05



- Bellow seals cannot be substituted with an A-Type standard seal
- Never use Surelock® couplings for steam service. None of Dixon's™ catalogue information is to be interpreted to mean that this type of coupling is suitable for use on steam hose

Surelock® Hose Tails



Standard Style

Hose Tail - Small Head

Hose Tail Size		Part Numbers			Box Quantity
		Standard		King Crimp™	
mm	inch	SG Iron	Stainless Steel	SG Iron	
10	⅜	08/013/25/000	-	-	50
15	½	08/013/22/000	SH13STS[1]	-	50
20	¾	08/013/19/000	SH20STS[1]	-	50
25	1	08/013/16/000	SH25STS[1]	SH25KC[2]	50
32	1¼	08/013/13/000	-	-	50

Product Group: AA03


For Minsup® safety claw clamps refer to page 140


For crimp ring ferrules refer to page 139


King Crimp™ Style

Hose Tail - Medium Head

Hose Tail Size		Part Numbers				Box Quantity
		Standard		King Crimp™	Cor-O-Zig	
mm	inch	SG Iron	Stainless Steel	SG Iron	SG Iron	
40	1½	08/013/10/000	-	-	08/013/33/000[1]	15
50	2	08/013/06/000	SH50STS	SH50KC[2]	08/013/34/000[1]	15

Product Group: AA04


[1]Designed to be used with Boss™ clamps refer to page 148


[2]Used with King Crimp™ ferrules & sleeves refer to page 114



Hose Tail - Large Head

Hose Tail Size		Part Number	Box Quantity
mm	inch	SG Iron	
80	3	SH75KC	2

Product Group: AA05


Designed to be used with Boss™ clamps refer to page 148


Used with King Crimp™ ferrules & sleeves refer to page 114

- Maximum working pressure is based on the lowest rated component of a completed assembly used at ambient temperature

Surelock® Blank End

minsup

Small Head

Size		Part Numbers		Box Quantity
mm	inch	SG Iron	Stainless Steel	
10 - 32	⅜ - 1¼	08/013/26/000	SB1032STS[1]	50

[1] Includes chain

Product Group: AA03



Medium Head

Size		Part Number	Material	Box Quantity
mm	inch			
40 - 50	1½ - 2	08/013/29/000	SG Iron	15

Product Group: AA04



Surelock® Three-Way

Small Head

Size		Part Number	Material	Box Quantity
mm	inch			
10 - 32	⅜ - 1¼	08/013/27/000	SG Iron	15

Product Group: AA03



Medium Head

Size		Part Number	Material	Box Quantity
mm	inch			
40 - 50	1½ - 2	08/013/28/000	SG Iron	4

Product Group: AA04



Surelock® 50mm (2") Shouldered Adaptor

Application

- Developed specifically for Australian underground mining applications, eliminates laborious threaded connections.

Materials

- Natural rubber gasket
- SG iron body ISO 1083:400-250-15

Size		Part Number	Working Pressure		Box Quantity
mm	inch		PSI	Bar	
50	2	SLV50	500	35	15

Product Group: AA04



Surelock® Small to Medium Adaptors

Application

- Enables easy connection between small Surelock® 10mm - 32mm (⅜" - 1¼") and medium Surelock® 40mm - 50mm (1½" - 2").



Small Head Size		Medium Head Size		Part Number	Material	Box Quantity
mm	inch	mm	inch			
10 - 32	⅜ - 1¼	40 - 50	1½ - 2	08/013/31/000	SG Iron	15

Product Group: AA04

Surelock® Grooved Adaptors



Small Head

Surelock Size		Part Number	Roll Groove Size		Material
mm	inch		mm	inch	
25	1	SLG25	50	2	SG Iron

Product Group: AA03



Medium Head

Surelock Size		Part Number	Roll Groove Size		Material
mm	inch		mm	inch	
50	2	SLG50	50	2	SG Iron

Product Group: AA03

Composite Bellow Seals



NBR

Size		Part Numbers		Seal Size
mm	inch	NBR	FKM	
10 - 32	⅜ - 1¼	05/007/07/000	05/007/07/000V	Small
40 - 50	1½ - 2	05/007/05/000	05/007/05/000V	Medium
80	3	08/007/09/002	-	Large

Product Group: BA01

Seal Insertion Tools

Application

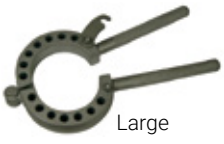
- Dixon's™ seal insertion tools are designed for high-volume seal replacement. Will ensure correct alignment of standard composite seals.



Small



Medium



Large

Size		Part Number	Description
mm	inch		
10 - 32	⅜ - 1¼	IT100SL	Small seal insertion tool
40 - 50	1½ - 2	IT200SL	Medium seal insertion tool
80	3	IT300SL	Large seal insertion tool

Product Group: Small AA03
Medium AA04
Large AA05

- Bellow seals cannot be substituted with an A-Type standard seal
- Never use Surelock® couplings for steam service. None of Dixon's™ catalogue information is to be interpreted to mean that this type of coupling is suitable for use on steam hose

Minsup® A-Type and Surelock® - Accessories

Safety Locking Pins

Application

- The use of a Minsup® safety locking pin is necessary to ensure that Minsup® A-Type & Surelock® claw couplings cannot accidentally disconnect. This ensures that the fittings are properly connected as the pin will not go through the holes in both couplings until the couplings are locked into place.

Part Numbers	Material	Box Quantity
05/010/02/000B	Zinc plated mild steel	1000
05/010/02/X100	Zinc plated mild steel	100
05/010/02/000SS	316 Stainless steel	1000

Product Group: BA01



Lanyard

Application

- The ACL8 lanyard used with a Minsup® safety locking pin ensures that the fittings are properly connected and assists with preventing accidental disengagement.

Part Number	Description
ACL8	Nylon lanyard

Product Group: AD05



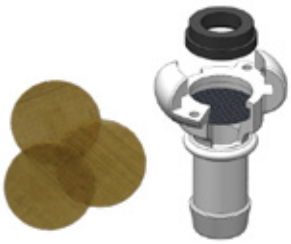
Gauze - Small

Application

- Stainless gauze to suit Minsup® A Type and Surelock® couplings to eliminates airline debris from damaging in-line air tools or valve seals.

Part Number	Description
05/100/01/901	Minsup® small A-Type/Surelock® gauze

Product Group: AA01



Chain

Part Number	Description
CH-SS-BALL-250	SS316 ball chain - 250mm long with SS304 key rings

Product Group: AA01



Crimp Ring Ferrules

Application

- Designed for use with standard Minsup® hose tails.

Hose ID		Hose OD (mm)		Part Numbers	
mm	inch	from	to	Mild Steel	304 Stainless Steel
15	½	16.0	26.5	RCF012-MS	RCF012-SS
20	¾	24.0	32.5	RCF020-MS	RCF020-SS
25	1	31.0	39.5	RCF025-MS	RCF025-SS

Product Group: AA01



Minsup® Safety Claw Clamps

Application

- For use with Minsup® fittings. A rugged two-bolt hose clamp suitable for use with both rubber and PVC hoses in applications such as mining, air, water, and industrial. Featuring gripping fingers which interlock with the stem for a secure assembly.

Features

- Positive bolt head location to prevent bolt spinning when tightening
- Gripping fingers provide positive engagement with Minsup® hose tails

Materials

- SG Iron ISO 1083
- Zinc plated to AS1789
- Steel zinc plated bolts grade 8.8
- Nuts S1214 mild steel zinc plated

Inserts

- Nylon in 15mm (½"), 20mm (¾"), & 25mm (1")

Use

- Check hose outside diameter (OD) to select clamp
- Refer assembly procedure for correct installation
- For use with Minsup® hose tails



12-25mm ID



40-50mm ID



40-50mm ID with chain

Nominal ID		Hose OD (mm)		Part Numbers	Bolt Torque		Box Quantity
mm	inch	from	to		ft-lbs	Nm	
12	½	22	28	08/023/42/000	18.4	25	100
20	¾	29	34	08/023/43/000	18.4	25	50
25	1	35	40	08/023/46/000	25.8	35	50
40	1 ½	51	58	08/023/05/000	50	67.8	20
40	1 ½	51	58	08/023/06/000[1]	50	67.8	20
50	2	63	68	08/023/03S/00	60	81.3	15
50	2	65.5	71	08/023/03/000	60	81.3	15
50	2	65.5	71	08/023/04/000[1]	60	81.3	15

[1] Includes chain

Product Group: AO03

Chain Restrainers

Application

- This is a replacement chain for use with Minsup® 40mm (1½") and 50mm (2") double-bolt claw clamps.



Chain Size		Part Number	Description
mm	inch		
3	⅛	08/023/01/047A	For use with Minsup® double-bolt claw clamp

Not recommended as a replacement for a whipcheck

Product Group: AO03

Minsup® Double-Bolt Clamps



Nominal ID		Hose OD (mm)		Part Numbers	Bolt Torque		Box Quantity
mm	inch	from	to		ft-lbs	Nm	
12	½	24	27	08/023/14/000	18.4	25	100
20	¾	31	33	08/023/15/000	18.4	25	50
25	1	37	39	08/023/13/000	25.8	35	50

Product Group: AO03

- Selecting the correct clamping device is critical to the performance & safety of any hose assembly. Worn-out hose fittings should be replaced. Bolt-type clamps should be re-tensioned regularly. For extra safety, retaining devices such as clips, chains or cables must be used. Dixon™ strongly recommends the use of a safety tag or warning label on all hose assemblies

Boss™ 142

Boss™ Coupling System 142
Boss™ Complete Set 143
Boss™ Ground Joint Seal Fittings 143
Boss™ Washer Seal Complete Set 145
Boss™ Washer Seal Fittings 145
Boss™ Ground Joint Adaptors 146
Boss™ Holedall™ Fittings 147
Boss™ Male Stems 147
Boss™ Hose Menders 148
Boss™ 2-Bolt Type Clamp 149
Boss™ 4-Bolt Type Clamp 150
Boss™ 6-Bolt Type Clamp 151

Boss™ Coupling System

Application

- Boss™ couplings are all-purpose hose couplings, universally recommended for steam hose connections. They are also widely used for air, water, fluid petroleum chemicals, and liquid petroleum gas up to 25mm (1") ID. Boss™ couplings can be applied to many types of rubber, synthetic, plastic, metallic, or semi-metallic hose.

Features

- The Boss™ coupling system is made up of a spud, usually fixed to the equipment, and a stem, usually clamped to the hose. The two halves are connected or disconnected by rotating the wing nut on the spud. When connected, tightening the wing nut ensures a mechanical and pressure seal

Seal Types

- Ground Joint - copper or polymer seats
- Washer - Klingersil® C-4401

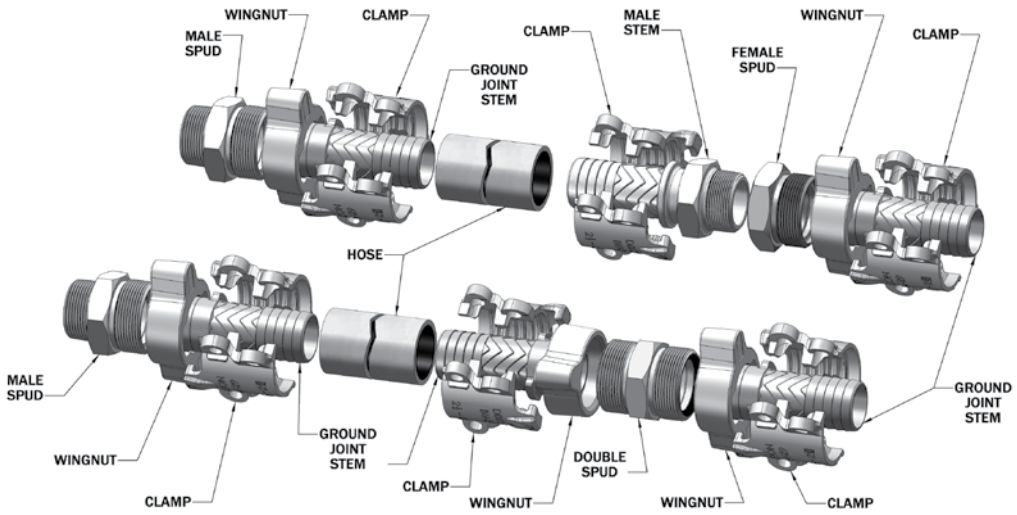
Technical Information

Size		Air		Water		Steam	
mm	inch	PSI	Bar	PSI	Bar	PSI	Bar
6 to 50	¼ to 2	600	41	600	41	230	15.8
65 & 80	2½ & 3	450	31	450	31	230	15.8
100 & 150	4 & 6	250	17	250	17	230	15.8

Materials

Coupling	Size		
	6mm - 25mm (¼" - 1")	32mm - 100mm (1¼" - 4")	150mm (6")
Stems	Plated Steel	Plated Malleable Iron	Tubular Steel
Spuds	Plated Steel	Plated Malleable Iron	Plated Malleable Iron
Wing Nuts	Plated Malleable Iron	Plated Malleable Iron	Plated Malleable Iron

Female x Male Hose Assembly



Female x Female Hose Assembly

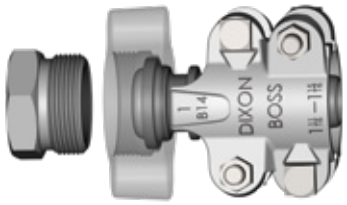
- Worn-out hose couplings can be dangerous. They should be checked regularly and replaced when necessary. Each coupling user should review applications and add safety devices where indicated

Boss™ Complete Set

Positive Metal-to-Polymer Seal

Features

- A leakproof seal is formed when the metal head of the stem makes contact with the patented polymer seat in the spud
- The non-metallic polymer seat resists most chemicals found in manufacturing facilities
- Recommended for steam service up to 230°C (450°F)
- Easy to seal
- Plated steel BSP, plated steel and/or malleable iron NPT, stainless steel NPT or Brass NPT
- Use with Dixon™ Boss™ clamps, refer to page 149



Size		Part Numbers			
mm	inch	Plated Steel (BSP)	Plated Steel or Iron (NPT)	Stainless Steel (NPT)	Brass (NPT)
6	¼	GF1A	GF1[1]	-	-
9.5	⅜	GF3A	GF3[1]	-	-
12	½	GF6A	GF6	-	-
20	¾	GF26A	GF26	RGF26	BGF26
25	1	GF36A	GF36	RGF36	BGF36
32	1¼	GF51A	GF51	RGF51	BGF51
48	1½	GF61A	GF61	RGF61	BGF61
50	2	GF81A	GF81[2]	RGF81[2]	BGF81
65	2½	GF96A	GF96	-	-
80	3	GF111A	GF111	-	-
100	4	GF141A	GF141	-	-

[1] ¼" & ⅜" available only with copper seat spuds
[2] Not to be used with #250, #275 or #306 Boss™ clamps

Product Group: AD01



Stainless Steel



Plated Steel/Iron



Brass

Boss™ Ground Joint Seal Fittings

Boss™ Stems

Size		Part Numbers		
mm	inch	Plated Steel or Iron	Stainless Steel	Brass
6	¼	GBA[1]	-	-
9.5	⅜	GCA[1]	-	-
12	½	GB1	-	-
20	¾	GB6	RGB26	BGB26
25	1	GB11	RGB36	BGB36
32	1¼	GB16	RGB51	BGB51
40	1½	GB21	RGB61	BGB61
50	2	GB26[2]	RGB81[2]	BGB81
65	2½	GB31	-	-
80	3	GB36	-	-
100	4	GB46	-	-
150	6	GB66	-	-

[1] ¼" & ⅜" available only with copper seat spuds
[2] Not to be used with #250, #275 or #306 Boss™ clamps

Product Group: AD01



Plated Steel/Iron



Stainless Steel



Brass



Boss™ Female Spud

Size		Part Numbers			
mm	inch	Plated Steel BSP x Wing Nut	Plated Steel NPT x Wing Nut	316SS NPT x Wing Nut	Brass NPT x Wing Nut
6	¼	GBC[1]	-	-	-
9.5	⅜	GCC[1]	GCCA	-	-
12	½	GB3	GB3A	-	-
20	¾	GB8	GB8A	RGB8	BGB8
25	1	GB13	GB13A	RGB13	BGB13
32	1¼	GB18	GB18A	RGB18	-
40	1½	GB23	GB23A	RGB23	-
50	2	GB28	GB28A	RGB28	-
65	2½	GB33	GB33A	-	-
80	3	GB38	GB36A	-	-
100	4	GB48	GB48A	-	-
150	6	GB68	GB68A	-	-

[1] ¼", ⅜" & 6" available only with copper seat spuds, all other sizes have polymer seats

Product Group: AD01

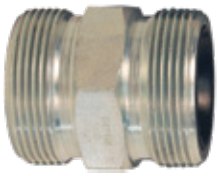


Boss™ Male Spud

Size		Part Numbers			
mm	inch	Plated Steel BSP x Wing Nut	Plated Steel NPT x Wing Nut	Plated Iron	Plated Steel/Iron NPT x Wing Nut
6	¼	GMBA[1]	-	-	GMB[1]
9.5	⅜	GMCA	GMC[1]	-	-
12	½	GM3A	GM3	-	-
20	¾	GM8A	GM8	-	-
25	1	GM13A	GM13	-	-
32	1¼	GM18A	-	GM18	-
40	1½	GM23A	-	GM23	-
50	2	GM28A	-	GM28	-
65	2½	GM33A	-	GM33	-
80	3	GM38A	-	GM38	-

[1] ¼", ⅜" & 6" available only with copper seat spuds, all other sizes have polymer seats

Product Group: AD01



Boss™ Double Spud

Size		Part Numbers	
mm	inch	Plated Steel - Wing Nut	Plated Iron - Wing Nut
12	½	GDB3	-
20	¾	GDB13	-
25	1		
32	1¼	-	GDB23
40	1½		
50	2	-	GDB26
65	2½	-	GDB33
80	3	-	GDB38

Product Group: AD01

Boss™ Washer Seal Complete Set

Washer Seal Type

Features

- Easy to seal
- Klingersil® C-4401 washer is inserted between the stem and spud
- Leakproof seal forms by rotating the wing hut and hammering it tight
- Use with Boss™ clamps, refer to page 149



Size		Part Numbers			
		Complete Set	Complete Set Components		
mm	inch		Stem	Female Spud	Wing Nut
9.5	⅜	WF3	CA	CC	CB
12	½	WF6	B1	B3	B2
20	¾	WF26	B6	B13	B12
25	1	WF36	B11	B13	B12
32	1¼	WF51	B16	B18	B17
40	1½	WF61	B21	B18	B17
50	2	WF81[1]	B26[1]	B28	B17
65	2½	WF96	B31	B33	B32
80	3	WF111	B36	B38	B37

[1]Not to be used with #250, #275, or #306 Boss™ clamps

Product Group: AD01



Stem



Spud



Wingnut

Boss™ Washer Seal Fittings

Boss™ Wing Nut

Size		Part Numbers		
mm	inch	Plated Steel/Iron	Stainless Steel	Brass
6	¼	BA2[2]	-	-
12	½	B2	-	-
20	¾	B12	W12	BB12
25	1			
32	1¼	B17	W17	BB17
40	1½			
50	2	B27	W27	BB27
65	2½	B32	-	-
80	3	B37	-	-
100	4	B47	-	-
150	6	B67	-	-

[2] BA2 not for use with the Boss™ washer seal

Product Group: AD01



Plated Steel



Stainless Steel



Brass

Boss™ Washer Seal



Material

- Nitrile rubber bonded, non-asbestos Klingersil® C-4401

Size		Part Numbers
mm	inch	
20	¾	W12
25	1	
32	1¼	W17
40	1½	
50	2	W27
65	2½	W32
80	3	W37

Product Group: AD01

Boss™ Washer Seal Double Spud



Material

- Plated iron

Size		Part Numbers
mm	inch	
20	¾	DB13
25	1	
32	1¼	DB23
40	1½	
50	2	DB28
80	3	DB38

Product Group: AD01

Boss™ Ground Joint Adaptors



Male Adaptor



Female Adaptor



Cap

Size		Part Numbers		
mm	inch	Male NPT Adaptor Plated Steel/Iron	Female NPT Adaptor Plated Steel/Iron	Boss™ Wing Nut Cap Plated Iron
20	¾	GMAS6	GFAS6[2]	B12SC4
25	1	GMAS11	GFAS11[3]	
32	1¼	-	-	B17SC4
40	1½	GMAS21	-	
50	2	GMAS26[1]	GFAS26[1]	B27SC4
80	3	GMAS36	-	B37SC4
100	4	GMAS46	-	-

Product Group: AD01

[1]GMAS26 & GFAS26 takes a special wing nut - part number B27-1
[2]Couplings come with adaptor and wing nuts
[3]Wing nut is permanently attached on the 25mm (1")
Supplied with 300mm (12") chain & washer
Boss™ wing nut caps are not intended for pressure applications

Boss™ Holedall™ Fittings

Application

- Designed for air and liquid applications where a permanent, low profile clamping system is desired.
- Not to be used for steam.

Features

- Supplied with carbon steel ferrules

Size		Part Numbers		Hose OD (mm)	
mm	inch	Plated Steel or Iron	Stainless Steel	from	to
20	¾	GF26P1	-	29.36	30.95
		GF26P2	-	31.35	32.54
		GF26P3	-	32.94	34.13
25	1	GF36P2	-	37.30	38.89
		GF36P2	-	39.29	39.68
		GF36P3	-	40.87	42.06
40	1½	GF61P1	RGF61P1	33.33	50.80
		GF61P2	RGF61P2	51.19	53.97
		GF61P3	-	54.37	57.15
50	2	GF81P1	RGF81P1	65.08	66.67
		GF81P2	RGF81P2	67.07	69.85
		GF81P3	-	70.24	73.02
80	3	GF111P1[1]	-	86.51	92.07
		GF111P2[1]	-	92.29	95.25
		GF111P3[1]	-	95.64	98.42

[1] 80mm (3") have a machined shank

Product Group: AD01



Boss™ Male Stems

Steel Bar Stock

Size (Hose x Thread)		Part Numbers	
mm	inch	BSP	NPT
6 x 3	¼ x ⅛	-	MS4X2
6 x 6	¼ x ¼	-	MSA
6 x 10	¼ x ⅜	-	MSB
10 x 6	⅜ x ¼	MS6X4A	MS6X4
10 x 10	⅜ x ⅜	MSCA	MSC
10 x 15	⅜ x ½	MS6X8A	MS6X8
15 x 6	½ x ¼	MS8X4A	MS8X4
15 x 10	½ x ⅜	MS8X6A	MS8X6
15 x 15	½ x ½	MS1A	MS1
15 x 20	½ x ¾	MS8X12A	MS8X12
20 x 15	¾ x ½	MS12X8A	MS12X8
20 x 20	¾ x ¾	MS6A	MS6
20 x 25	¾ x 1`	MS12X16A	MS12X16
25 x 20	1 x ¾	MS16X12A	MS16X12
25 x 25	1 x 1	MS11A	MS11

Product Group: AD01



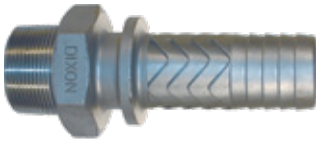


Plated Iron

Size		Part Numbers	
mm	inch	BSP	NPT
32	1¼	MS16A	MS16
40	1½	MS21A	MS21
50	2	MS26A	MS26
65	2½	-	MS31
75	3	MS36A	MS36
100	4	MS46A	MS46

Use with Boss™ clamps, refer to page 150

Product Group: AD01



316 Stainless Steel

Size		Part Numbers	
mm	inch	BSP	NPT
15	½	RMS1A	RMS1
20	¾	RMS6A	RMS6
25	1	RMS11A	RMS11
32	1¼	RMS16A	RMS16
40	1½	RMS21A	RMS21
50	2	RMS26A	RMS26
65	2½	-	RMS31
75	3	-	RMS36

Use with Boss™ clamps, refer to page 149

Product Group: AD01

Boss™ Hose Menders



Size		Part Numbers	
mm	inch	Plated Malleable Iron	Plated Steel
15	½	-	M1
20	¾	M6	-
25	1	M11	-
32	1¼	M16	-
40	1½	M21	-
50	2	M26	-
65	2½	M31	-
75	3	M36	-

Use with Boss™ clamps, refer to page 149

Product Group: AD01

Boss™ 2-Bolt Type Clamp

Features

- Recommended for steam service up to 230°C
- 2 gripping fingers

Use

- Bolts in Boss™ clamps are designed to bend as they are tightened
- Periodic retightening of bolts is required due to "cold flow" present in all rubber hoses
- Boss™ clamps are for single use only

Installation

- Secure the assembly in a vice
- Using a torque wrench, tighten bolts as follows;

1. First bolt (nut facing assembler) 1-full turn
2. Second bolt (opposite first bolt) 1-full turn
3. Repeat process 1 & 2 until both bolts have reached the recommended torque
4. Remove assembly from vice

Investment Cast Carbon Steel

Hose ID		Hose OD (mm)		Part Numbers	Bolt Torque	
mm	inch	from	to		ft-lbs	Nm
6	¼	14.3	16.7	BD	6	8.1
10	⅜	17.4	22.2	CC	6	8.1
12.7	½	20.6	23.8	DD	6	8.1
12.7	½	23.8	27.0	B4	12	16.3
20	¾	30.2	33.3	BU9	21	28.5
20	¾	38.1	42.9	B10	21	28.5

Product Group: AD04



Zinc Plated Iron

Hose ID		Hose OD (mm)		Part Numbers	Bolt Torque	
mm	inch	from	to		ft-lbs	Nm
12.7	½	27.0	30.2	B5	12	16.3
20	¾	33.3	38.1	B9	21	28.5

Product Group: AD04



Stainless Steel

Hose ID		Hose OD (mm)		Part Numbers	Bolt Torque	
mm	inch	from	to		ft-lbs	Nm
12.7	½	23.8	27.0	RB4	12	16.3
20	¾	30.2	33.3	RBU9	21	28.5
20	¾	33.3	38.1	RB9	21	28.5

Product Group: AD04



Brass

Hose ID		Hose OD (mm)		Part Numbers	Bolt Torque	
mm	inch	from	to		ft-lbs	Nm
12.7	½	23.8	27.0	BB4	12	16.3
20	¾	30.2	33.3	BBU9	21	28.5

Product Group: AD04



- The bolts used in the Boss™ interlocking clamps are not standard. They vary from standard bolts in their length, diameter, overall thread length, and material hardness. These bolts can be retorqued, but it is not recommended that the bolts or clamps be reused, as they are designed for a single bend only
- Torque values for clamps are based on dry bolts. The use of lubricant on bolts will adversely affect clamp performance. Do not lubricate nuts and bolts
- Worn-out couplings can be dangerous. They should be checked regularly and replaced

Boss™ 4-Bolt Type Clamp

Features

- Recommended for steam service up to 230°C
- 2 or 4 gripping fingers

Use

- Bolts in Boss™ clamps are designed to bend as they are tightened
- Periodic retightening of bolts is required due to "cold flow" present in all rubber hoses
- Boss™ clamps are for single use only

Installation

- Secure the assembly in a vice
- Using a torque wrench, tighten bolts as follows;

1. Back bolt (nut facing assembler that is furthest away from gripping finger) 1-full turn
2. Front bolt (nut facing assembler that is closest to gripping finger) 1-full turn
3. Move to nuts on opposite side of bolts just torqued (if bolts are loose) snug bolts by hand
4. Opposite side back bolt (nut facing assembler furthest away from gripping finger) 1-full turn
5. Move to nuts on opposite side of bolts just torqued (if bolts are loose) snug bolts by hand
6. Repeat above process 1 - 7 until all bolts have reached the recommended torque - as per below table
7. Remove assembly from vice



2 Gripping Fingers - Zinc Plated Iron

Hose ID		Hose OD (mm)		Part Numbers	Bolt Torque	
mm	inch	to	from		ft-lbs	Nm
25	1	38.9	43.7	BU14	21	28.5
25	1	42.9	49.2	B14	21	28.5
25	1	49.2	54.0	B15	21	28.5
32	1¼	38.1	45.2	BU18	40	54.2
32	1¼	45.2	53.2	BU19	40	54.2
32	1¼	54.0	60.3	B19	40	54.2
40	1½	56.0	50.8	BU22	40	54.2
40	1½	50.8	56.4	B22	40	54.2
40	1½	55.6	60.3	BU24	40	54.2
40	1½	60.3	65.1	B24	40	54.2
40	1½	65.1	69.9	B25	40	54.2
50	2	59.5	64.3	BU28	60	81.3
50	2	63.5	70.6	BU29	60	81.3
50	2	69.9	77.8	B29	60	81.3
50	2	78.6	87.3	B30	60	81.3
65	2½	78.6	87.3	BU34	60	81.3
65	2½	88.9	100.0	B34	150	203.4
75	3	88.9	100.0	BU35	150	203.4
75	3	96.8	103.2	B35	150	203.4
75	3	103.2	112.7	B39	200	271.2

Product Group: AD04



2 Gripping Fingers - Stainless Steel

Hose ID		Hose OD (mm)		Part Numbers	Bolt Torque	
mm	inch	to	from		ft-lbs	Nm
25	1	38.9	43.7	RBU14	21	28.5
40	1½	55.6	60.3	RBU24	40	54.2
40	1½	60.3	65.1	RB24	40	54.2
50	2	63.5	70.6	RBU29	60	81.3
50	2	69.9	77.8	RB29	60	81.3
75	3	88.9	100.0	RBU35	150	203.4

Product Group: AD04

2 Gripping Fingers - Brass

Hose ID		Hose OD (mm)		Part Numbers	Bolt Torque	
mm	inch	to	from		ft-lbs	Nm
25	1	38.9	43.7	BBU14	18	24.4
25	1	42.9	49.2	BB14	28	38.0

Product Group: AD04



4 Gripping Fingers - Zinc Plated Iron

Hose ID		Hose OD (mm)		Part Numbers	Bolt Torque	
mm	inch	to	from		ft-lbs	Nm
12.7	½	23.0	26.2	968	6	8.1
25	1	35.7	39.7	156	21	28.5
32	1¼	42.9	47.6	187	21	28.5
32	1¼	47.6	52.4	206	21	28.5
40	1½	50.8	54.0	212	21	28.5
40	1½	52.4	57.2	225	40	54.2
50	2	57.2	63.5	250	40	54.2
50	2	63.5	69.9	275	40	54.2
50	2	69.9	77.8	306	60	81.3
65	2½	77.8	88.9	350	60	81.3
75	3	88.9	95.3	375	60	81.3
75	3	95.3	101.6	401	150	203.4
75	3	101.6	106.4	418	200	271.2
75	3	106.4	114.3	450	200	271.2

Product Group: AD04



Boss™ 6-Bolt Type Clamp

Features

- Recommended for steam service up to 230°C
- 3 gripping fingers

Use

- Bolts in Boss™ clamps are designed to bend as they are tightened
- Periodic retightening of bolts is required due to "cold flow" present in all rubber hoses
- Boss™ clamps are for single use only

Installation

- Secure the assembly in a vice
- Using a torque wrench, tighten bolts as follows;

1. Back bolt (nut facing assembler that is furthest away from gripping finger) 1-full turn
2. Front bolt (nut facing assembler that is closest to gripping finger) 1-full turn
3. Move to clamp segment to the left of the one just torqued (if bolts are loose) snug bolts by hand
4. Back bolt 1-full turn
5. Front bolt 1-full turn
6. Move to clamp segment to the left of the one just torqued (if bolts are loose) snug bolts by hand
7. Back bolt 1-full turn
8. Front bolt 1-full turn
9. Repeat above process 1 - 8 until all bolts have reached the recommended torque
10. Remove assembly from vice

Hose ID		Hose OD (mm)		Part Numbers	Bolt Torque	
mm	inch	to	from		ft-lbs	Nm
75	3	108.0	122.2	BS39	150	204
100	4	117.5	127.0	B45	150	204
100	4	123.8	133.4	BS49	200	272
100	4	133.4	142.1	BU49	200	272
100	4	140.5	150.8	B49	200	272
150	6	174.6	187.3	750	200	272
150	6	190.5	203.2	850	200	272

Product Group: AD04





Dixon's **Holedall™** brand represents a premium line of industrial hose coupling systems

Engineered for applications demanding secure, high-performance connections. Utilising a progressive swaging technique, Holedall™ couplings ensure a 360° uninterrupted compression band around the hose, providing exceptional strength and leak resistance.

Holedall™ Swage Coupling System 154

Holedall™ Internal Expansion Couplings 154
Holedall™ Internal Expansion Stems 154
Holedall™ Internal Expansion Ferrules 155
Holedall™ External Swage Couplings 156
Holedall™ External Swage Stems 156
Holedall™ External Swage Ferrules 157
Holedall™ External Swage Ferrules 158
Holedall™ Uni-Range External Swage Couplings 158
Holedall™ High-Pressure Couplings 159
External Notched Stem & Ferrule 159
Maximum Recommended Working Pressures 160

Holedall™ Swage Coupling System

Holedall™ Internal Expansion Couplings

Application
Recommended for concrete placement, plaster and grout, food, air, pharmaceutical and well as other applications where increased flow capacity is important.

Features

- Maximum flow of media being used
- Reduces turbulence through hoses
- Excellent sealing and retention characteristics
- Outperforms band clamps
- Easy and consistent installation
- Only one expansion tool is needed for each hose ID
- Available end configurations: male NPT & BSP, grooved & shouldered, other end configurations contact Dixon™

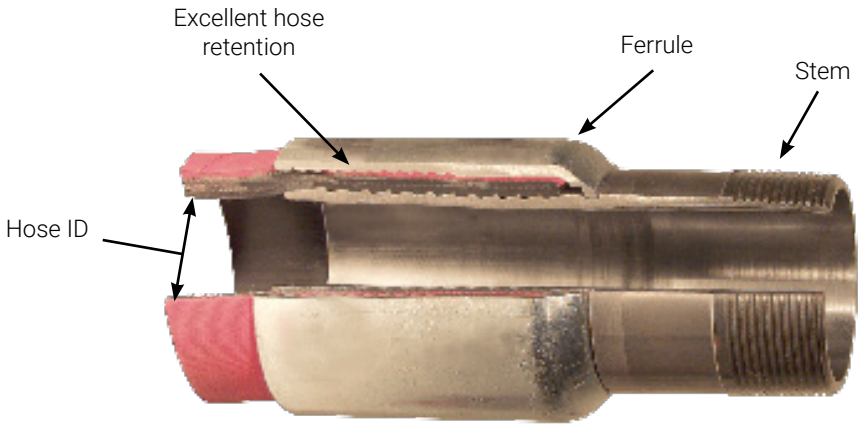
Material

- Carbon steel



Dixon recommends using a diameter tape to measure hose OD to determe the correct ferrule size refer to page 652

Cross-section of Holedall™ internally expanded assembly



- Holedall™ stems and ferrules are specifically designed to be used together as a coupling system. Due to differences in dimensions and tolerances, for safety reasons, do not use other manufacturer's stems or ferrules with Holedall™ products

Holedall™ Internal Expansion Stems



Hose ID		Part Numbers				
mm	inch	BSP Male	NPT Male	Bevelled Weld End	Grooved End	Shouldered End
25	1	IXM16A	IXM16	-	-	-
32	1¼	IXM20A	IXM20	-	IXV20	-
40	1½	IXM24A	IXM24	IXP24-1	IXV24	-
50	2	IXM32A	IXM32	IXP32-1	IXV32	-
65	2½	IXM40A	IXM40	IXP40-1[1]	IXV40	-
65	2½	-	-	IXP40-2[2]	-	-
75	3	IXM48A	IXM48	IXP48-1	IXV48	IXS48
100	4	IXM64A	IXM64	-	IXV64	IXS64

[1]Pipe OD - 73mm
[2]Pipe OD - 76mm

Product Group: AU04

Holedall™ Internal Expansion Ferrules

Features

- For use with Holedall™ internal expansion stems - IXM, IXH, IXV and IXP styles



Hose ID	Hose OD (mm)		Ferrule ID	Part Numbers
	from	to		
25mm (1")	34.9	36.5	36.5	IXF16-1
	36.5	38.1	38.1	IXF16-2
	38.1	39.7	39.7	IXF16-3
32mm (1-1/4")	41.3	42.9	42.9	IXF20-Z
	42.9	44.5	44.5	IXF20-1
	44.5	46.0	46.0	IXF20-2
	46.0	47.6	47.6	IXF20-3
	47.6	49.2	49.2	IXF20-4
	49.2	50.8	50.8	IXF20-5
	50.8	52.4	52.4	IXF20-6
40mm (1-1/2")	47.6	49.2	49.2	IXF24-Z
	49.2	50.8	50.8	IXF24-1
	50.8	52.4	52.4	IXF24-2
	52.4	54.0	54.0	IXF24-3
	54.0	55.6	55.6	IXF24-4
	55.6	57.2	57.2	IXF24-5
	57.2	58.7	58.7	IXF24-6
	58.7	60.3	60.3	IXF24-7
50mm (2")	63.5	65.1	65.1	IXF32-Y
	65.1	66.7	66.7	IXF32-Z
	66.7	68.3	68.3	IXF32-1
	68.3	69.9	69.9	IXF32-2
	69.9	71.4	71.4	IXF32-3
	71.4	73.0	73.0	IXF32-4
	73.0	74.6	74.6	IXF32-5
	74.8	76.2	76.2	IXF32-6
	76.2	77.8	77.8	IXF32-7

Hose ID	Hose OD (mm)		Ferrule ID	Part Numbers
	from	to		
65mm (2-1/2")	76.2	77.8	77.8	IXF40-1
	77.8	79.4	79.4	IXF40-2
	79.4	81.0	81.0	IXF40-3
	82.6	84.1	84.1	IXF40-5
	84.1	85.7	85.7	IXF40-6
	85.7	87.3	87.3	IXF40-7
	87.3	88.9	88.9	IXF40-8
75mm (3")	88.9	90.5	90.5	IXF48-T
	90.5	92.1	92.1	IXF48-U
	92.1	93.7	93.7	IXF48-V
	93.7	95.3	95.3	IXF48-W
	95.3	96.8	96.8	IXF48-X
	96.8	98.4	98.4	IXF48-Y
	98.4	100.0	100.0	IXF48-Z
	100.0	101.6	101.6	IXF48-1
	101.6	103.2	103.2	IXF48-2
	103.2	104.8	104.8	IXF48-3
	104.8	106.4	106.4	IXF48-4
	106.4	108.0	108.0	IXF48-5
100mm (4")	115.9	117.5	117.5	IXF64-T
	117.5	119.1	119.1	IXF64-U
	119.1	120.7	120.7	IXF64-V
	120.7	122.2	122.2	IXF64-W
	122.2	123.8	123.8	IXF64-X
	123.8	125.4	125.4	IXF64-Y
	125.4	127.0	127.0	IXF64-Z
	127.0	128.6	128.6	IXF64-1
	128.6	130.2	130.2	IXF64-2
	130.2	131.8	131.8	IXF64-3
	131.8	133.4	133.4	IXF64-4
	133.4	134.9	134.9	IXF64-5

- Contact Dixon™ for working pressures if the hose you are using suits the following ferrules;
- IXF48-3 to IXF48-5
- IXF64-2 to IXF64-5

Product Group: AU04

Holedall™ Swage Coupling System

Holedall™ External Swage Couplings

External swage is a method of attaching couplings to a hose utlising a progressive swage. The patented Holedall™ couplings include a Holedall™ stem and a specially engineered ferrule. The hydraulic swaging of the coupling to the hose is accomplished by pushing the ferrule through a die which reduces the ferrule OD thus providing a 360° uninterrupted compression band around the hose. This multi-purpose, high-pressure coupling system requires no bolts and results in a clean coupling with no protrusions.

Applications

Recommended for use on most one and two-wire braid reinforced hoses, fibre reinforced (braided or spiralled) with or without helical wire such as oil & suction discharge hose, barge, and dock loading and unloading hose as well as LP gas hose, anhydrous ammonia hose, acid chemical hose, and, high-pressure air & water hose.

Features

- Provides long-lasting efficiency and safety
- Lightweight coupling consisting of ferrule and stem
- Streamlined, no protrusions to snag on equipment
- Available in stainless steel and carbon steel
- Available in multiple configurations: pipe thread, plain end, grooved or flanged ends
- Do not use wrench or vice on ferrule

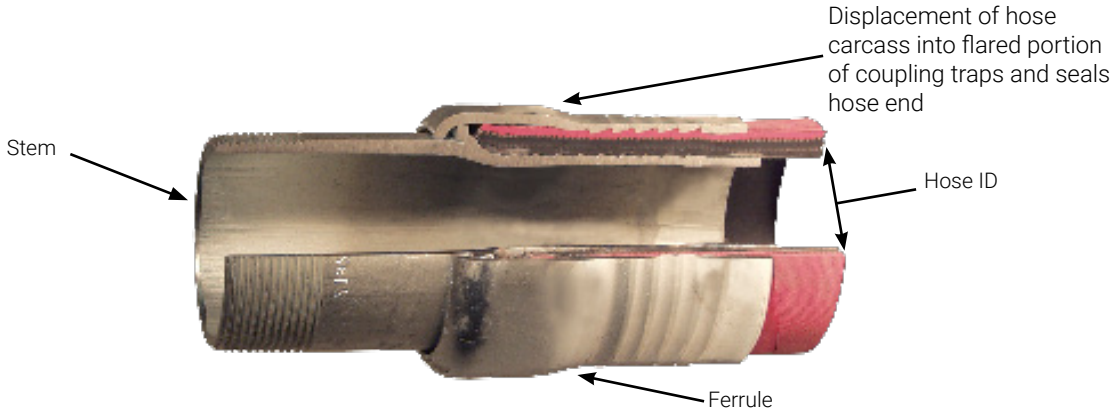
Material

- Carbon steel



Dixon recommends using a diameter tape to measure hose OD to determe the correct ferrule size refer to page 652

Cross-section of Holedall™ externally swaged assembly



- Holedall™ stems and ferrules are specifically designed to be used together as a coupling system. Due to differences in dimensions and tolerances, for safety reasons, do not use other manufacturer's stems or ferrules with Holedall™ products

Holedall™ External Swage Stems



Style TM & TML
NPT & BSP end



Style TP & TPL
plain end, unplated

Hose ID		Part Numbers		
mm	inch	BSP Male	NPT Male	Bevelled End
32	1¼	TM20A	TM20	TP20
40	1½	TM24A	TM24	TP24
50	2	TM32A	TM32	TP32
65	2½	-	TM40	TP40
75	3	TM48A	TM48	TP48
100	4	TM64A	TM64	TP64
125	5	TM80A	TM80	TP80
150	6	TM96A	TM96	TP96
200	8	TM128A	TM128	TP128

Product Group: AU03

Holedall™ External Swage Ferrules

Features

- The style F ferrules are used with all standard-length external swage stems - TM, TMR, TP, TPR, TG, and TGR styles
- The selection of ferrules is very important to achieve proper coupling-to-hose assembly

Hose ID	Hose OD (mm)		Part Numbers
mm	from	to	
32	42.9	44.5	F20-1
32	44.8	57.6	F20-2
32	48.0	50.8	F20-3
32	51.2	54.0	F20-4
40	48.4	50.8	F24-1
40	51.2	54.0	F24-2
40	54.4	57.2	F24-3
40	57.5	60.3	F24-4
50	61.9	66.7	F32-1
50	67.1	69.9	F32-2
50	70.2	73.0	F32-3
50	73.4	77.0	F32-4
65	77.4	79.4	F40-1
65	79.8	82.6	F40-2
65	82.9	85.7	F40-3
65	86.1	88.9	F40-4
65	89.3	92.1	F40-5
75	88.1	92.1	F48-1
75	92.5	95.3	F48-2
75	95.6	98.4	F48-3
75	98.8	101.6	F48-4
75	102.0	104.8	F48-5
100	117.5	119.1	F64-1
100	119.5	122.2	F64-2
100	122.8	125.4	F64-3
100	125.8	128.6	F64-4
100	129.0	131.8	F64-5
100	132.2	134.9	F64-6
100	135.3	138.1	F64-7
100	138.5	141.3	F64-8
125	149.2	150.8	F80-1
125	151.2	154.0	F80-2
125	154.4	157.2	F80-3
125	157.6	160.3	F80-4
125	160.7	163.5	F80-5
125	163.9	166.7	F80-6
125	167.1	169.9	F80-7

Product Group: AU03





Dixon recommends using a diameter tape for determining the correct ferrule size refer to page 652

Holedall™ External Swage Ferrules



Hose ID	Hose OD (mm)		Part Numbers
mm	from	to	
150	169.9	177.4	F96-Z
150	177.8	179.4	F96-1
150	179.8	182.6	F96-2
150	183.0	185.7	F96-3
150	186.1	188.9	F96-4
150	189.3	192.1	F96-5
150	192.5	195.3	F96-6
150	195.7	198.4	F96-7
150	198.8	201.6	F96-8
150	202.0	203.2	F96-9
200	236.5	238.1	F128-1
200	238.5	241.3	F128-2
200	241.7	244.5	F128-3
200	244.9	247.7	F128-4
200	248.0	250.8	F128-5
200	251.2	254.0	F128-6
200	254.4	255.6	F128-7

Product Group: AU03

Holedall™ Uni-Range External Swage Couplings

Applications

- Designed for smaller hose systems, these couplings may be used for hose ID's from 6mm - 25mm and come complete with a factory assembled stem and ferrule combination. Can be used with swage or crimp equipment.



Hose ID	Hose OD (mm)		Part Numbers
mm	from	to	
6	13	15	4P1
6	15	17	4P2
6	17	18	4P3
10	18	20	6P1
10	20	21	6P2
10	21	23	6P3
15	21	23	8P1
15	23	25	8P2
15	25	30	8P3
20	29	31	12P1
20	31	32	12P2
20	32	37	12P3
25	37	39	16P1
25	39	40	16P2
25	40	42	16P3
25	42	44	16P4

Product Group: AU03

Holedall™ High-Pressure Couplings

Applications

- Intended for services requiring a fitting to withstand extremely high pressures up to 3,000 PSI at 21°C (70°F) and severe operating conditions including, small and medium size drilling rigs, slim hole applications and core drill, workover, seismographs, water well, blast, or shot holes.

Features

- Sold as a complete coupling, including stem and ferrule
- Stems are machined from seamless pipe and tubing with specially designed serrations
- Ferrules are machined from a heavy wall material incorporating matching serrations
- API and NPT are interchangeable
- Must be swaged with 50 or 100 Ton Ram
- An accurate hose outside diameter (OD) must be provided to complete the part number and to ensure proper retention

Working Pressure

- Maximum working pressure 3,000 PSI

Materials

- Zinc-plated steel

Hose ID		Thread Size (inch)	Part Numbers	
mm	inch		Male NPT	Male API
50	2	2	LM32*	LM3240*
65	2½	2½	LM40*	LM4048*
75	3	3	LM48*	LM4864*



* The LM fitting is sold as a complete coupling including stem and ferrule. Accurate hose OD must be provided to complete the part number and to insure proper retention.

Product Group: AU03

External Notched Stem & Ferrule

Applications

- This stem can be removed from a damaged hose by cutting away the ferrule, without necessarily damaging the fitting. After inspection to determine its suitability for reuse, it can be reinstalled into another hose by using a new ferrule. You can now stock one nipple and two ferrules, and thereby cover the dame hose range with less inventory. 316 stainless steel stem with wrench flat, 304 stainless steel ferrule. You must purchase a fitting and the matching ferrule to create an assembly. Can be swaged on or crimped on.

Size (mm)	Hose OD (mm)		Part Numbers		
	from	to	Male BSP	Male NPT	Notched Ferrule
40	48.8	54.8	RST150NOSA	RST150NOS	GAS2334NOS
40	51.6	58.7	RST150NOSA	RST150NOS	GAS2370NOS
50	61.9	67.5	RST200NOSA	RST200NOS	GAS2709NOS
50	66.7	71.4	RST200NOSA	RST200NOS	GAS2885NOS
75	86.9	93.3	RST300NOSA	RST300NOS	GAS3760NOS
75	93.7	96.4	RST300NOSA	RST300NOS	GAS3885NOS



Only use NOS hose tails with NOS ferrules
For hose OD of 52.4 and below, these couplings are crimp only
For hose OD of 52.8 and above, these couplings can be crimped or swaged

Product Group: AU03

Maximum Recommended Working Pressures

PSI at 21°C Ambient Temperature

Holedall™ couplings are never to be used for steam service at any pressure regardless of coupling style.

Holedall™ fittings listed below are not to be used with cable-reinforced high-pressure hose, 4 or 6-braid wire hydraulic hose, or any other service not listed in recommendations. Contact Dixon™ for recommendations on usage.

For satisfactory performance, Holedall™ (external crimp) ferrules must be crimped to a specific diameter relating to the hose outside diameter (OD), please contact Dixon™ for the final crimp dimension. Holedall™ (internally expanded) couplings require strict adherence to the ferrule OD range for each assembled hose end.

Size NB		Externally Swaged Couplings					Internally Expanded Couplings	
		Standard Fittings	Long Style Fittings	Light Duty Fittings		Cam & Groove	Internally Expanded	Flow Chief Fittings
				ferrules, notched fittings	notched short fittings			
mm	inch	TM, TP, TG	TML, TPL, TGL	TM, TP, TG, RN-NO	RST***NOS GAS****NOS	GAS****NOS	IXM, IXV, IXH	IXSE, IXFS, IXMS
25	1	-	-	-	-	250	600	-
32	1¼	600	1000	350	-	250	600	-
40	1½	600	1000	350	250	250	600	250
50	2	600	1000	350	250	250	600	250
65	2½	600	1000	250	-	150	600	250
75	3	600	1000	250	***	125	600 **	250
100	4	500	850	250	-	100	500 **	250
125	5	450	750	-	-	-	-	-
150	6	400	700	-	-	-	500	-
200	8	350	600	-	-	-	-	-
250	10	300	550	-	-	-	-	-

** For hoses which use IXF48-3 to IXF48-5 contact Dixon™ for working pressures
*** Contact Dixon™ for pressure recommendations

Standard Fittings	Long Style Fittings	Holedall™ Fittings	Internally Expanded Couplings	Light Duty Fittings
Recommended for use on most one and two-wire braid reinforced hoses, fibre braided and helical wire reinforced hose, such as oil suction and discharge hose, barge and dock loading hose LP gas hose, anhydrous ammonia hose, aircraft refuelling hose, and acid chemical hose	Recommended for use on hose as listed under standard fittings where additional retention is required due to higher working pressures or end pull. Consult maximum working pressure chart.	Recommended for Royalflex 1193 and 1196 hose or hoses with similar construction, having helical wire for a given OD range.	Recommended for us in the same applications as standard fittings, except helical wire reinforced hose such as A210 water suction and discharge. A430 petrol/oil suction and discharge hose.	Recommended for use in the same applications as standard fittings, except that the hose rated working pressure is never to exceed the maximum recommended working pressure listed in the chart above.

- Hose service working pressure (including surges and spikes) is never to exceed the maximum recommended working pressure for the fitting (reference chart above)
- Whipcheck safety cables are recommended for use whenever possible.
- Media being transported through the hose should be compatible with the stem and ferrule material whenever possible.
- Refer to Dixon's™ compatibilty chart for material compatibility - refer to page 668

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Air King™ Couplings

Application
- Dixon™ Air King™ couplings are recommended for use on airlines for virtually any type of pneumatic equipment. Providing a quick, safe, and reliable connection.

Features
- Have a universal head that is identical for all parts within the 6mm - 25mm (¼" - 1") range
- Meets pressure requirements as specified in A-A-59553 commercial item description superseding Mil-Spec. WWC-633D

Materials
- Iron
- 316 stainless steel
- Brass
- Plated steel

Seal Materials
- Rubber seal is the standard seal
- FKM and neoprene are available

Temperature Range
- Rubber: -29°C to 71°C
- FKM Seal: -30°C to 200°C
- Neoprene Seal: -29°C to 88°C

Working Pressure
- Standard seal 150 PSI



Male Thread

Thread Size		Part Numbers				Box Quantity
		Plated Steel		Brass	316SS	
mm	inch	Male BSP	Male NPT	Male NPT	Male NPT	
6	¼	-	GAMB1	ABB1	-	25
10	⅜	-	GAMB	ABB	RAMB	25
15	½	GAM2A	GAM2	AB2	RAM2	50
20	¾	GAM7A	GAM7	AB7	RAM7	50
25	1	GAM12A	GAM12	AB12	RAM12	50

Product Group: AD05



Female Thread

Thread Size		Part Numbers				Box Quantity
		Plated Steel		Brass	316SS	
mm	inch	Female BSP	Female NPT	Female NPT	Female NPT	
6	¼	-	GAMC1	ABC1	-	25
10	⅜	-	AMC	ABC	RAMC	25
15	½	GAM3A	GAM3	AB3	RAM3	50
20	¾	GAM8A	GAM8	AB8	RAM8	50
25	1	GAM13A	GAM13	AB13	RAM13	50

Product Group: AD05



Hose Tail

Thread Size		Part Numbers			Box Quantity
mm	inch	Iron	Brass	316SS	
6	¼	GAMH	ABH	-	25
10	⅜	GAM1	AB1	RAMH	25
15	½	GAM5	AB5	RAM1	50
20	¾	GAM6	AB6	RAM6	50
25	1	GAM11	AB11	RAM11	50

Designed to be used with Air King™ clamps - page 166

Product Group: AD05

- Never use Air King™ couplings for steam services. None of Dixons™ catalogue information is to be interpreted to mean that this type of coupling is suitable for use on steam hose
- Maximum working pressure is based on the lowest rated component of a completed assembly used at ambient temperature

Air King™ 4 - Lug Couplings

Thread Size		Part Numbers		Box Quantity
		Plated Steel		
mm	inch	Hose Tail	Female NPT	
32	1¼	GAM16²	GAM18	25
40	1½	GAM21²	GAM23	25
50	2	GAM26²	GAM28	10

Designed to be used with Air King™ clamps - page 166

Product Group: AA02



Hose Tail



Female NPT

Air King™ Blank Ends

Part Numbers			Box Quantity
Iron	Brass	316SS	
GAM11	AB11	RAM11	25

Product Group: AD05



Air King™ Three Way

Part Numbers		Box Quantity
Iron	Brass	
GAM10	AB10	25

Product Group: AD05



Air King™ with Ferrules

Size (mm)	Hose OD (mm)		Part Numbers		Box Quantity
	from	to	Iron	316SS	
15	21.43	26.19	AM1WF	RAM1WF	1
20	26.99	34.13	AM6WF	RAM6WF	1
25	32.54	38.89	AM11WF-1	RAM11WF	1
25	37.31	43.66	AM11WF	-	1

For crimp recommendations - page 167

Product Group: AD05



Air King™ Universal Swivels

Thread Size		Part Numbers		Box Quantity
mm	inch	Male NPT	Female NPT	
15	½	AM2SWIV	-	25
20	¾	AM7SWIV	-	25
20	¾	-	AM8SWIV	10

Product Group: AD05



Male NPT



Female NPT

Air King™ Double Bolt Clamps

Application

- Dixon™ Air King™ clamp for use with the Air King™ couplings. Torque values are based on dry bolts. The use of lubricant on bolts will adversely affect clamp performance.

Materials

- Plated cast steel



Size		Part Numbers	Hose OD (mm)		Torque	Box Quantity
mm	inch		from	to	ft/lb	
10	⅜	CD	17.46	22.23	6	100
15	½	A4	25.40	30.16	6	50
20	¾	A9	28.58	33.34	12	50
25	1	A10	33.34	38.10	12	50
25	1	A14[1]	38.10	46.04	21	50

[1]Plated iron

Product Group: AD04

Air King™ Accessories

Seals



Part Numbers	Material	Used For	Box Quantity
AWR4	NBR	2 Lug couplings	50
AWS6	Neoprene	2 Lug couplings	50
AWR4V	FKM	2 Lug couplings	50
AWR14	Rubber	4 Lug couplings	50

Product Group: AD05

Standard Safety Clip



Part Number	Wire Diameter (mm)	Description	Box Quantity
AC1	.080	One size clip for all couplings	25
05/010/02/000	-	Zinc plated mild steel Minsup® safety locking pin	1

Product Group: AD05

Heavy Duty Safety Clip



Part Numbers	Wire Diameter (mm)	Description	Box Quantity
AKSP1	1.5	Heavy-duty Air King™ clip	25
AKSP25	2	Heavy-duty Air King™ clip	25

Product Group: AD05

Stainless Steel Clip



Part Numbers	Wire Diameter (mm)	Description	Box Quantity
AC7	.072	Clip for Boss-Lock couplings	1
05/010/02/000SS	-	316 Stainless steel Minsup® safety locking pin	1

Product Group: AD05

Lanyards



ACL8



LR7

Part Numbers	Description	Box Quantity
ACL8	Synthetic cord - one size for all	25
LR7	178mm (7") long - 304 stainless steel	25

Product Group: AD05

Crimped Air King™ Recommendation Guide

Hose Size ID (inch)	Part Numbers	Hose OD		Crimp Diameter (±0.005)	Crimped Length	% Reduction
		mm	inch			
12mm (½")	AM1WF	21.41	0.843	0.906	32mm (1¼")	18.3
		21.82	0.859	0.937		13.2
		22.23	0.875	0.937		16.9
		22.61	0.890	0.968		12.1
		23.01	0.906	0.968		15.5
		23.39	0.921	1.000		11.1
		23.80	0.937	1.000		14.4
		24.21	0.953	1.000		17.2
		24.59	0.968	1.031		13.4
		24.99	0.984	1.031		16.1
		25.40	1.000	1.062		12.7
		25.78	1.015	1.062		15.3
		26.19	1.031	1.093		12.0
20mm (¾")	AM6WF RAM6WF	26.97	1.062	1.156		13.4
		27.38	1.078	1.156		17.3
		27.76	1.093	1.187		11.9
		28.17	1.109	1.187		15.8
		28.58	1.125	1.218		11.2
		28.96	1.140	1.218		14.6
		29.36	1.156	1.218		17.5
		29.74	1.171	1.250		13.0
		30.15	1.187	1.250		16.2
		30.56	1.203	1.281		12.3
		30.94	1.218	1.281		15.1
		31.34	1.234	1.312		11.5
		31.75	1.250	1.312		14.4
		32.13	1.265	1.312		16.9
		32.54	1.281	1.343		13.5
		32.92	1.296	1.343		15.9
		33.33	1.312	1.375		12.6
		33.73	1.328	1.375		15.0
		34.11	1.343	1.406		12.1
25mm (1")	AM11WF-1	32.54	1.281	1.375	40mm (1½")	16.7
		32.92	1.296	1.375		20.5
		33.33	1.312	1.406		15.0
		33.73	1.328	1.406		18.6
		34.11	1.343	1.437		13.7
		34.52	1.359	1.437		17.5
		34.93	1.375	1.468		12.8
		35.31	1.390	1.468		16.1
		35.71	1.406	1.500		11.5
		36.09	1.421	1.500		14.7
		36.50	1.437	1.500		17.6
		36.91	1.453	1.531		13.9
	AM11WF-1 AM11WF	37.29	1.468	1.531		16.8
		37.69	1.484	1.562		12.8
		38.10	1.500	1.562		15.4
		38.48	1.515	1.593		12.0
		38.89	1.531	1.593		14.7
	AM11WF	39.27	1.546	1.625		11.1
		39.67	1.562	1.625		13.7
		40.08	1.578	1.625		15.9
		40.46	1.593	1.656		12.9
		40.87	1.609	1.656		15.1
		41.28	1.625	1.687		12.4
		41.66	1.640	1.687		14.5
		42.06	1.656	1.718		11.8
		42.44	1.671	1.718		14.0
		42.85	1.687	1.750		11.3
		43.26	1.703	1.750		13.3
		43.64	1.718	1.750		15.1

Please note this chart is to be used only as a guide and not as a steadfast rule for every coupling application. In some instances, alternative dies and crimped dimensions must be employed. Hoses, as well as couplings, react differently during crimping. This is because of variances in hose construction for hoses with similar dimensions.

Some variables are; textile braid vs wire braid, hardwall vs softwall, presence or lack of internal spiral wire as well as differences in hose covers.

In addition, the outer diameter of the hose tends to fluctuate from end to end and production lot to production lot. With this in mind, we suggest that you measure the hose OD and maintain accurate records for each coupling application.

Minsup® Ground Joints

Application
- The Minsup® Ground Joint is an all-purpose coupling. The spud part of the connection is usually fixed to the plant. The nut and tail are assembled onto a hose with a suitable clamp. The two halves are connected or disconnected by rotating the wing nut on the spud.

Materials
- SG Iron ISO 1083-400-250-15
- Zinc plated to AS1789

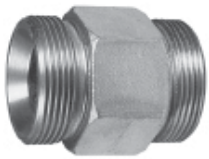
Thread Designation
- Wing nut is 8" TPI
- BSP tapered male to ISO 7-1
- BSP parallel female to ISO 7-1



Female Spud BSP

Size (mm)	Nominal Bore ID (inch)	Part Number	Box Quantity
50	2	08/014/02/002	20

Product Group: AC02



Double Spud BSP

Size (mm)	Nominal Bore ID (inch)	Part Number	Box Quantity
50	2	08/014/02/004	20

Product Group: AC02



Male Spud BSP

Size (mm)	Nominal Bore ID (inch)	Part Number	Box Quantity
50	2	08/014/02/005	20

Product Group: AC02



Wing Nut

Size (mm)	Nominal Bore ID (inch)	Part Number	Box Quantity
50	2	08/014/02/007	20

Product Group: AC02



Hose Tail

Size (mm)	Nominal Bore ID (inch)	Part Number	Box Quantity
50	2	08/014/02/008	20

Designed to be used with Minsup® clamp 08/023/03/000 - page 138

Product Group: AC02



Cor-O-Zig Tail

Size (mm)	Nominal Bore ID (inch)	Part Number	Box Quantity
50	2	08/014/02/009	20

Designed to be used with Boss™ clamps - page 148

Product Group: AC02

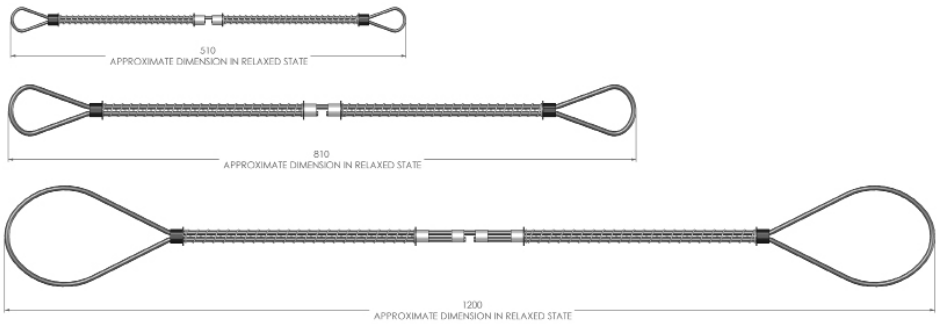
Minsup® Whipchecks

Application
- Minimised damage to equipment and injuries to operators in the event hose, couplings or clamps fail, or there is an accidental separation of the assembly.

Features
- Hose-to-hose
- Eliminates injuries caused by broken air hose connections
- Highly resistant to rust and corrosion
- No tools are needed, easy to install and remove
- Steel ferrules for use in underground coal mines

Pressure
- 200 PSI maximum working pressure for air

Materials
- Wire Rope: G1570 FC galvanised steel
- Ferrules: mild steel
- Spring: mild steel



Hose ID		Part Numbers	Cable	Cable Size (mm)	Maximum Break Force (kN)	Length (mm)
mm	inch					
10 - 32	⅜ - 1¼	08/023/90/000	Small	3.5	5.6	510
32 - 50	1¼ - 2	08/023/91/000	Medium	6	17.6	810
65 - 100	2½ - 4	08/023/92/000	Large	6	17.6	1200

Product Group: AD03

Wire Cable Stockings

Application
- Ideally suited to heavy industrial, mining, quarries, or construction industries where the transfer of media is under high working pressures.

Features
- Prevent hose whip in case of a burst - hose or accidental separation of the coupling or clamp device
- Available in other configurations on request

Construction
- 2070 galvanised wire construction
- Alloy ferrules
- Heavy-duty galvanised thimbles
- Heat shrink safety protection



Hose OD (mm)	Part Numbers	Wire Diameter (mm)	Sets x Ply (mm)	Eye Length (mm)	Net Grip Length (mm)	Aggregate Breaking Strength		Ultimate Tensile Strength (kN)
						kg	kN	
28 - 40	CS30-40	1.5	6 x 2	200	600	5800	57	24
40 - 50	CS40-50	1.5	6 x 2	230	800	5800	57	35
50 - 60	CS50-60	2	6 x 2	290	800	10000	100	62
60 - 70	CS60-70	2	6 x 2	290	900	10000	100	62
70 - 85	CS70-85	2.5	6 x 2	290	1000	10000	100	62
85 - 100	CS85-100	2.5	6 x 2	390	1000	16000	158	98
100 - 120	CS100-120	2.5	6 x 2	400	1200	16000	158	133
120 - 150	CS120-150	2.5	8 x 2	420	1400	21500	211	187
150 - 190	CS150-190	3	8 x 2	450	1600	31000	305	283

Product Group: AD03

King Cable™

Application
- King Cables™ prevent hose whip in the event of the accidental separation of a coupling or clamp device. They minimise damage to equipment and injuries to operators. The steel cables span the hose fittings to provide standby safety for the hose. Spring-loaded loops in the cable ends are easily opened to pass over the coupling and provide a firm grip on the hose.

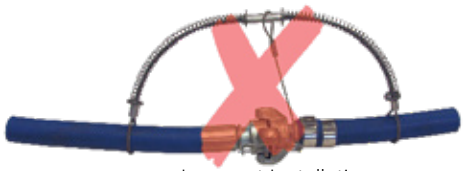
Features
- Reach across the hose fittings to provide safety for hose application
- Thoroughly tested with years of service. A positive safeguard for hose connections
- Highly resistant to rust and corrosion
- Hose-to-hose or hose-to-rigid outlet

Materials
- Wire Rope: galvanised carbon steel
- Ferrules: aluminium
- Spring: galvanised carbon steel

Installation and Safety Notes
- Must be installed in the extended position (no slack)
- No tools needed: easy to install and remove



Correct Installation



Incorrect Installation



Hose-to-Hose

Cable Size (mm)	Hose ID (mm)	Part Numbers		Working Pressure (PSI)	Length (mm)
		Steel	316SS		
3	13 - 32	WB1	WB1SS	200	515
5	13 - 50	WB3	-	200	712
6	38 - 75	WA2	WA2SS	200	956
10	100	WA4	-	200	1118

Product Group: AD03



Hose-to-Tool

Cable Size (mm)	Hose ID (mm)	Part Numbers		Working Pressure (PSI)	Length (mm)
		Steel	316SS		
3	13 - 32	WSR1	WSR1SS	200	515
5	13 - 50	WSR3	-	200	712
6	38 - 75	WSR2	WRS2SS	200	956
10	100	WSR4	-	200	1118

Product Group: AD03

King Cable™ Options - Marine Eye

Application
- WSR1 with stainless steel safety marine eye used to connect the safety cable to a bolt on tool.

Specifications
- Stainless steel marine eye

Materials
- Wire Rope: galvanised carbon steel
- Ferrules: aluminium
- Spring: galvanised carbon steel



Cable Size (mm)	Hose ID (mm)	Part Number	Description
3	13 - 32	WSR1E	WSR1 with stainless steel marine eye

Product Group: AD03

Air Operated Oil Lubricator

Application
- The Minsup® oil bottle was developed to ensure continuous and adequate lubrication of rock drills over the length of a normal shift (8 hours). For correct lubrication, the oil bottle should not be placed in excess of three meters from the machine ensuring that the oil reaches the machine in mist form.

Features
- Fixed Jet: 1mm diameter jet designed for use with rock drill lubricating oil
- Adjustable: designed to cater to areas where there is a variation in oil viscosity, pressure, and temperature
- The 32mm (1¼") filler plug has a built-in pressure release behind the sealing O-ring to allow pressure to escape in a controlled manner in the case of an unintentional opening while under pressure

Materials
- Body: mild steel
- Venturi: cast steel
- Fixed Jet: brass
- Adjustable Jet: mild steel
- O-ring: Nitrile Buna-N rubber
- Bundy Tubes: copper

Part Numbers	Style	Thread Type (mm)	Oil Capacity (ltr)	Working Pressure (PSI)
08/066/01/000	Fixed Jet	25 BSP	1.2	300
08/066/02/000	Adjustable Jet	25 BSP	1.2	300

Product Group: AI01



Minsup® Line Strainers

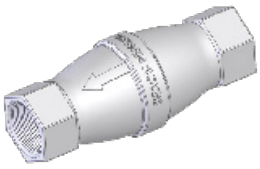
Application
- Designed for use in compressed air systems to eliminate debris reaching expensive air-operated tools and equipment. Ideal for industries such as mining and construction where air systems can be subject to high levels of dust and debris.

Features
- Removable stainless steel strainer for quick trouble-free maintenance
- Zinc plated for corrosion protection

Materials
- Body: SG iron
- Perforated Plate: 304SS

Size BSP (mm)	Part Number	Temperature	Working Pressure (PSI)
25	08/090/06/000	-30°C to 200°C	250

Product Group: AI01



In-Line Lubricators

Application
- Designed to protect portable or stationary air tools by efficiently oiling the tool mechanisms; each time an air tool is operated a fine mist of oil is injected into it along with the air from the compressor.

Features
- A transparent sight disc allows visual inspection of the oil level
- Oil flow regulated by screwdriver screw adjustment
- Use any petroleum-based, non-detergent light-weight oil
- Do not use any synthetic oil or oils containing additives or solvents
- For reciprocating tools only
- Not recommended for constant flow applications

Materials
- Body: aluminium

Size (mm)	Part Numbers	Oil Capacity (ml)	Air Flow at 70 PSI	Working Pressure (PSI)
15	PL300	40	30 scfm	500
20	PL400	105	70 scfm	200
20	PL400L	312.5	70 scfm	300
25	PL500	454.5	100 scfm	250

Product Group: AI01



Brass Hose Fittings

Application

- Brass fittings can be used for air, water, chemicals, flammable gasses, and slurries. Available in a variety of configurations and are commonly used on low-pressure airlines. They are made with a beaded hose tail design to provide unparalleled security a gainst the hose pulling off the hose tail.

Hose Tails



Size (mm)		Size (inch)		Part Numbers				
hose tail	bsp	hose tail	bsp	Mender	BSP Fixed Male	BSP Male Swivel	BSP Nut & Tail	BSP Fixed Female
3	3	⅛	⅛	-	BP3-0202	-	-	-
5	3	3/16	⅛	-	-	-	BP5-0302	-
5	6	3/16	¼	-	BP3-0304	-	BP5-0304	-
6	3	¼	⅛	-	BP3-0402	-	-	BP10-0402
6	6	¼	¼	BM2	BP3-0404	-	BP5-0404	BP10-0404
6	10	¼	⅜	-	BP3-0406	-	BP5-0406	-
6	12	¼	½	-	BP3-0408	-	-	-
8	3	5/16	⅛	-	BP3-0502	-	-	-
8	6	5/16	¼	-	BP3-0504	-	-	-
8	8	5/16	5/16	BM25	-	-	-	-
8	10	5/16	⅜	-	BP3-0506	-	BP5-0506	-
8	12	5/16	½	-	BP3-0508	-	BP5-0508	-
10	3	⅜	⅛	-	BP3-0602	-	-	-
10	6	⅜	¼	-	BP3-0604	-	-	BP10-0604
10	10	⅜	⅜	BM3	BP3-0606	SP30606	BP5-0606	BP10-0606
10	12	⅜	½	-	BP3-0608	-	BP5-0608	BP10-0608
10	20	⅜	¾	-	BP3-0612	-	-	-
12	3	½	⅛	-	BP3-0802	-	-	-
12	6	½	¼	-	BP3-0804	-	-	-
12	10	½	⅜	-	BP3-0806	-	BP5-0806	BP10-0806
12	12	½	½	BM4	BP3-0808	SP30808	BP5-0808	BP10-0808
12	20	½	¾	-	BP3-0812	-	-	-
16	6	⅝	¼	-	BP3-1004	-	-	-
16	10	⅝	⅜	-	BP3-1006	-	-	-
16	12	⅝	½	-	-	-	-	BP10-1008
16	16	⅝	⅝	BM5	-	-	-	-
16	20	⅝	¾	-	BP3-1012	-	-	-
20	10	¾	⅜	-	BP3-1206	-	-	-
20	12	¾	½	-	BP3-1208	SP30812	-	BP10-1208
20	20	¾	¾	-	BP3-1212	SP31212	BP5-1212	-
20	25	¾	1	-	BP3-1216	-	-	-
25	12	1	½	-	BP3-1608	-	-	-
25	20	1	¾	-	BP3-1612	-	-	-
25	25	1	1	BM8	BP3-1616	SP31616	-	-
32	32	1¼	1¼	-	BP3-2020	-	-	-
50	50	2	2	-	BP3-3232	-	-	-

Product Group: AN03

Brass Hose Fittings

Application

- Brass fittings can be used for air, water, chemicals, flammable gasses, and slurries. Available in a variety of configurations and are commonly used on low-pressure airlines. They are made with a beaded hose tail design to provide unparalleled security against the hose pulling off the hose tail.

Hose Elbows & Tees



Size (mm)		Size (inch)		Part Numbers			
hose tail	bsp	hose tail	bsp	BSP Elbow	Elbow	BSP Tee	Tee
3	3	1/8	1/8	-	-	-	-
5	3	3/16	1/8	BP6-0302	-	BP12-0302	-
5	5	3/16	3/16	-	BP11-03	-	BP14-03
5	6	3/16	1/4	-	-	-	-
6	3	1/4	1/8	-	-	BP12-0402	-
6	6	1/4	1/4	BP6-0404		BP12-0404	BP14-04
6	10	1/4	3/8	BP6-0406	-	-	-
6	12	1/4	1/2	-	-	-	-
8	3	5/16	1/8	-	-	BP12-0502	-
8	6	5/16	1/4	-	-	-	-
8	8	5/16	5/16	-	BP11-05	-	BP14-05
8	10	5/16	3/8	-	-	-	-
8	12	5/16	1/2	-	-	-	-
10	3	3/8	1/8	BP6-0602	-	BP12-0602	-
10	6	3/8	1/4	BP6-0604	-	BP12-0604	-
10	10	3/8	3/8	BP6-0606	BP11-06	BP12-0606	BP14-06
10	12	3/8	1/2	BP6-0608	-	-	-
10	20	3/8	3/4	-	-	-	-
12	3	1/2	1/8	-	-	-	-
12	6	1/2	1/4	BP6-0804	-	-	-
12	10	1/2	3/8	-	-	BP12-0806	-
12	12	1/2	1/2	BP6-0808	BP11-08	-	BP14-08
12	20	1/2	3/4	-	-	-	-
16	6	5/8	1/4	-	-	-	-
16	10	5/8	3/8	BP6-1006	-	BP12-1006	-
16	12	5/8	1/2	BP6-1008	-	-	-
16	16	5/8	5/8	-	BP11-10	-	BP14-10
16	20	5/8	3/4	-	-	-	-
20	10	3/4	3/8	-	-	-	-
20	12	3/4	1/2	BP6-1208	-	-	-
20	20	3/4	3/4	BP6-1212	BP11-12	BP12-1212	BP14-12
20	25	3/4	1	-	-	-	-
25	12	1	1/2	-	-	-	-
25	20	1	3/4	-	-	-	-
25	25	1	1	-	-	-	BP14-16

Product Group: AN03

Brass Ferrules - Air

Application

- For use with general purpose barbed hose tails. Working pressure will depend on hose, hose tail, and ferrule combination.



Ferrule Selection

- Measure hose-free outside diameter (OD) with a diameter tape. Refer to page 652
- Select the correct brass ferrule from the table
- The correct inside diameter (ID) should not exceed 0.8mm (1/32") above the hose OD just measured

Crimping

- Ensuring a square cut hose end, slide the ferrule over the hose
- Using lubricant on the hose ID and stem OD, fully insert the stem into the hose
- Select the correct die needed from the table according to your hose OD just measured
- Open the hose crimper, slide fitting into the crimper, centering the ferrule in the correct die and crimp hose

Medium Weight Hose

Part Numbers	Ferrule Dimensions				Die Part Numbers		Standard Industry Code	Bag Quantity
	ID	length	end hole	metal gauge	ribbed	plain		
BFM478	12.14	17.46	8.33	.610	R39	P40	4750	50
BFM500	12.70	25.40	8.74	.610	R40	P40	7322	50
BFM531	13.41	25.40	9.52	.610	R39	P39	7323	50
BFM562	14.27	25.40	11.11	.610	R37	P38	7325	50
BFM593	15.06	25.40	11.11	.610	R36	P37	7326	50
BFM625	15.88	25.40	11.11	.610	R35	P36	7327	50
BFM656	16.66	25.40	11.11	.610	R34	P35	7328	50
BFM687	17.45	25.40	12.70	.610	R33	P34	7329	50
BFM718	18.24	25.40	15.88	.610	R31	P32	7330	50
BFM718B	18.24	25.40	12.70	.610	R31	P32	7330B	50
BFM750	19.05	25.40	15.88	.610	R30	P31	7331	50
BFM750B	19.05	25.40	12.70	.610	R30	P31	7331B	50
BFM781	19.84	25.40	15.88	.610	R29	P30	7332	50
BFM781B	19.84	25.40	12.70	.610	R29	P30	7332B	50
BFM812	20.62	25.40	15.87	.610	R28	P28	7333	50

Sold in bag quantities only

Product Group: AN04

Light Weight Hose

Part Numbers	Ferrule Dimensions				Die Part Numbers		Standard Industry Code	Bag Quantity
	ID	length	end hole	metal gauge	ribbed	plain		
BFL410	10.41	12.70	6.75	.406	R41	P42	620	50
BFL450	11.43	14.29	8.73	.406	R41	P42	769	50
BFL548	13.92	12.30	9.53	.381	R38	P39	626	50
BFL500	12.70	12.70	8.73	.406	R40	P41	624	50
BFL525	13.34	12.70	8.73	.406	R39	P40	625	50
BFL564	14.33	19.05	9.53	.483	R37	P38	3588	50
BFL575	14.61	12.30	11.91	.483	R37	P38	KK	50
BFL600	15.24	12.70	12.70	.483	R36	P37	JJ	50
BFL625	15.88	12.70	12.70	.483	R35	P36	II	50
BFL650	16.51	12.70	12.70	.483	R34	P35	HH	50
BFL675	17.14	13.10	12.70	.482	R34	P34	GG	50
BFL725	18.42	13.49	12.70	.483	R31	P32	EE	50
BFL750	19.05	13.49	12.70	.483	R30	P31	DD	50
BFL775	19.68	13.48	12.70	.406	R31	P31	CC	50

Sold in bag quantities only

Product Group: AN04

Brass Ferrules - Fluid

Application
- For use with general purpose barbed hose tails. Working pressure will depend on the hose, hose tail, and ferrule combination.

Ferrule Selection
- Measure hose-free outside diameter (OD) with a diameter tape. Refer to page
- Select the correct brass ferrule from the table
- The correct inside diameter (ID) should not exceed 0.8mm (1/32") above the hose OD just measured

Crimping
- Ensuring a square cut hose end, slide the ferrule over the hose
- Using lubricant on the hose ID and stem OD, fully insert the stem into the hose
- Select the correct die needed from the table according to your hose OD just measured
- Open hose crimper, slide fitting into crimper, centering the ferrule in the correct die & crimp hose



Part Numbers	Ferrule Dimensions				Die Part Numbers		Standard Industry Code	Bag Quantity
	ID	length	end hole	metal gauge	ribbed	plain		
BF825	20.95	21.43	17.48	.610	R27	P28	-	25
BF850	21.59	14.43	15.85	.483	R26	P27	Z	25
BF875	22.22	21.43	17.48	.610	R25	P26	-	25
BFW875	22.23	21.41	17.48	.610	R25	P26	7244A	25
BFW900	22.86	21.43	17.48	.610	R24	P25	5029A	25
BFW925	23.79	21.41	17.48	.610	R23	P24	7242A	25
BFW975	24.77	21.41	17.48	.610	R21	P22	5028A	25
BFW1025	26.04	21.41	17.60	.610	R19	P20	7088A	25
BFW1175	29.85	21.41	22.23	.610	R13	P14	7088A	25
BFMW1050	26.67	15.75	19.05	.635	R18	P19	3605	25
BFMW1100	27.94	21.41	20.62	.584	R16	P17	5027A	25
BFMW1150	29.21	21.43	22.22	.610	R15	P15	7104A	25
BFMW1225	31.12	22.23	22.23	.635	R11	P12	875-K	25
BFMW1275	32.39	22.23	25.40	.635	R9	P10	875-I	25
BFMW1400	35.56	17.45	28.45	.508	R4	P5	D	25
BFMW1500	38.10	22.23	28.45	.635	-	P1	1500	25

Sold in bag quantities only

Product Group: AN04

Air Operated Brass Ferrule Crimper

Application
- Provides efficient mass production assembly of hose, ferrules, and fittings. The foot pedal permits the use of both hands, reduces fatigue, and speeds up production. Complete with air cylinder, ferrule machine (fewer dies), fitted hose lengths, and necessary control valves. Ready for work bench installation.



Part Number	Hose OD Range (mm)	Ferrules	Weight (kg)
1765A	12 - 38	All ferrules on pages 139 & 140	41.30

Not supplied with dies refer to page 141

Product Group: AN05

Manually Operated Brass Ferrule Crimper

Product Dimensions
- Base: 200mm x 75mm
- Body: 185mm
- Height: 685mm



Part Number	Hose OD Range (mm)	Ferrules	Weight (kg)
5111A	12 - 38	All ferrules on pages 139 & 140	12

Not supplied with dies refer to page 141

Product Group: AN05

Ribbed and Plain Dies

Application

- For use with manually operated ferrule crimper 5111A and air operated ferrule crimper 1765A.



Ribbed



Plain

Part Numbers		Ferrule ID (mm)	Bore/Crimp Diameter (mm)	Ferrule Part Number	Standard Industrial Part Number
ribbed	plain				
R41	P42	12.1	0.450	BFM478	4750
R40	P40	12.7	0.475	BFM500	7322
R39	P39	13.4	0.500	BFM531	7323
R39	P39	13.4	0.500	-	7324
R37	P38	14.3	0.525	BFM562	7325
R36	P37	15.9	0.550	BFM593	7326
R35	P36	16.7	0.575	BFM625	7327
R34	P35	17.5	0.600	BFM656	7328
R33	P34	18.2	0.625	BFM687	7329
R31	P32	18.2	0.675	BFM718	7330
R31	P32	19.0	0.675	BFM718B	7330B
R30	P31	19.0	0.700	BFM750	7331
R30	P31	19.8	0.700	BFM750B	7331B
R29	P30	19.8	0.725	BFM781	7332
R29	P30	20.6	0.725	BFM781B	7332B
R28	P29	9.6	0.750	BFM812	7333
R44	P45	10.2	0.350	-	622
R44	P44	10.4	0.375	-	619
R43	P44	11.4	0.375	BFL410	620
R41	P42	12.7	0.425	BFL450	769
R40	P41	13.3	0.450	BFL500	624
R39	P40	13.9	0.475	BFL525	625
R38	P39	14.3	0.500	BFL548	626
R37	P38	14.6	0.525	BFL564	3588
R37	P38	15.2	0.525	BFL575	KK
R36	P37	15.9	0.550	BFL600	JJ
R35	P36	16.5	0.575	BFL625	II
R34	P35	17.1	06.00	BFL650	HH
R34	P34	18.4	0.625	BFL675	GG
R31	P32	19.0	0.675	BFL725	EE
R30	P32	19.7	0.675	BFL750	DD
R31	P31	20.3	0.700	BFL775	CC
R28	P29	20.9	0.750	-	-
R27	P28	20.9	0.775	-	-
R26	P27	21.6	0.800	BF850	Z
R25	P26	22.2	0.825	BFW875	7244A
R24	P25	22.9	0.850	BFW900	5029A
R23	P24	23.8	0.875	BFW925	7242A
R21	P22	24.7	0.925	BFW975	5028A
R19	P20	26.1	0.975	BFW1025	7114A
R13	P14	29.8	1.125	BFW1175	7088A
R18	P19	26.7	1.000	BFMW1050	3605
R16	P17	27.9	1.050	BFMW1100	5027A
R15	P15	29.2	1.100	BFMW1150	7104A
R11	P12	31.1	1.175	BFMW1225	875-K
R9	P10	32.4	1.225	BFMW1275	875-I
R4	P5	35.5	1.350	BFMW1400	D
-	P1	38.1	1.450	BFMW1500	1500

Product Group: AN05

Small Hose Crimper

Application

- Hose crimper provides 'big tool' crimping advantages at a fraction of the cost. Rugged, portable, and easy to use. Supplied with standard dies.

Part Numbers	Hose OD Range (mm)	Dies	Weight (kg)
855	12 - 18	856-1, 856-2, 856-3, 856-5	4.08
855A	11 - 17	856-1, 856-2, 856-3, 856-7	4.53

Product Group: AN05



Dies

Part Numbers	Die Bore (mm)	Hose OD (mm)		Crimper	
		from	to	855	855A
856-1	15.9	16.3	17	Standard	Standard
856-2	14.7	15	15.9	Standard	Standard
856-3	13.5	13.7	14.3	Standard	Standard
856-5	17.4	17.5	18	Standard	Optional
856-7	11.1	11.4	11.9	Optional	Standard
856-8	19.1	19.3	19.8	Optional	Optional
856-9	20.6	20.8	21.4	Optional	Optional
856-10	9.5	9.8	10.3	Optional	Optional

Product Group: AN05



Large Hose Crimper

Application

- Hose crimper for crimping larger hoses from 22mm to 40mm OD. Crimps standard brass or aluminium ferrules.

Part Number	Hose OD Range (mm)	Dies	Weight (kg)
860	17.5 - 40	Sold Without Dies	4.72

Product Group: AN05



Dies

Part Numbers	Hose OD (mm)		Finished Crimp Dimension
	from	to	
861-22	17.5	19.4	17.5
861-23	18.3	20.2	18.3
861-24	19.1	21.0	19.1
861-25	19.8	21.8	19.8
861-26	20.6	22.6	20.6
861-27	21.4	23.4	21.4
861-28	22.2	24.2	22.2
861-29	23.0	25.0	23.0
861-30	23.8	25.6	23.8
861-31	24.6	26.4	24.6
861-32	25.4	27.2	25.4
861-33	26.2	28.2	26.2
861-34	27.0	28.3	27.0
861-36	28.6	30.7	28.6
861-38	30.2	32.6	30.2
861-40	31.8	33.5	31.8
861-42	33.3	35.3	33.3
861-46	36.5	39.4	36.5
861-48	38.1	40.1	38.1

Product Group: AN05



Brass Screwed Fittings






Size		Part Numbers			
mm	inch	Reducing Bush	Female x Male	Nipple	Reducing Nipple
3	⅛	-	A72-0202	A27-02	-
6 x 3	¼ x ⅛	A24-0402	A72-0402	-	-
6	¼	-	A72-0404	A27-04	-
10 x 3	⅜ x ⅛	-	A72-0602	-	A73-0602
10 x 6	⅜ x ¼	A24-0604	A72-0604	-	A73-0604
10	⅜	-	-	A27-06	-
12 x 3	½ x ⅛	-	-	-	-
12 x 6	½ x ¼	A24-0804	A72-0804	-	A73-0804
12 x 10	½ x ⅜	-	A72-0806	-	A73-0806
12	½	-	A72-0808	A27-08	-
20 x 3	¾ x ⅛	A24-1202	-	-	-
20 x 6	¾ x ¼	A24-1204	-	-	-
20 x 10	¾ x ⅜	A24-1206	-	-	A73-1206
20 x 12	¾ x ½	A24-1208	A72-1208	-	A73-1208
20	¾	-	A72-1212	A27-12	-
25 x 6	1 x ¼	A24-1604	-	-	-
25 x 10	1 x ⅜	A24-1606	-	-	-
25 x 12	1 x ½	A24-1608	-	-	-
25 x 20	1 x ¾	A24-1612	-	-	A73-1612
25	1	-	-	A27-16	-

Product Group: AN03






Size		Part Numbers			
mm	inch	90° Female Elbow	Male x Female Elbow	45° Female x Male Elbow	90° Male Elbow
3	⅛	A34-02	A25-02	A25-4502	A48-02
6 x 3	¼ x ⅛	-	-	-	A48-0402
6	¼	A34-04	A25-04	A25-4504	A48-04
10 x 3	⅜ x ⅛	-	-	-	-
10 x 6	⅜ x ¼	-	-	-	A48-0604
10	⅜	A34-06	A25-06	A25-4506	A48-06
12 x 3	½ x ⅛	-	-	-	-
12 x 6	½ x ¼	-	-	-	-
12 x 10	½ x ⅜	-	-	-	-
12	½	A34-08	A25-08	A25-4508	A48-08
20 x 3	¾ x ⅛	-	-	-	-
20 x 6	¾ x ¼	-	-	-	-
20 x 10	¾ x ⅜	-	-	-	-
20 x 12	¾ x ½	-	-	-	-
20	¾	-	-	-	-

Product Group: AN03

Brass Screwed Fittings






Size		Part Numbers			
mm	inch	Socket	Reducing Socket	Plug	Cap
3	⅛	A26-02	-	A64-02	-
6 x 3	¼ x ⅛	-	A29-0402	-	-
6	¼	A26-04	-	-	-
10 x 3	⅜ x ⅛	-	A29-0602	-	-
10 x 6	⅜ x ¼	-	A29-0604	-	-
10	⅜	A26-06	-	-	-
12 x 3	½ x ⅛	-	A29-0802	-	-
12 x 6	½ x ¼	-	A29-0804	-	-
12 x 10	½ x ⅜	-	A29-0806	-	-
12	½	A26-08	-	-	B33P-08
20 x 3	¾ x ⅛	-	-	-	-
20 x 6	¾ x ¼	-	-	-	-
20 x 10	¾ x ⅜	-	-	-	-
20 x 12	¾ x ½	-	A29-1208	-	-
20	¾	A26-12	-	A64-12	B33P-12
25 x 6	1 x ¼	-	-	-	-
25 x 10	1 x ⅜	-	-	-	-
25 x 12	1 x ½	-	-	-	-
25 x 20	1 x ¾	-	-	-	-
25	1	A26-16	-	A64-16	B33P-16
32	1¼	-	-	-	B33P-20
40	1½	-	-	-	B33P-24
50	2	-	-	-	B33P-32

Product Group: AN03






Size		Part Numbers			
mm	inch	Female Cross	Female Tee	Female Run Tee	Lock Nut
3	⅛	A37-02	-	A35-02MF	A74-02
6 x 3	¼ x ⅛	-	-	-	-
6	¼	A37-04	A35-04	A35-04MF	A74-04
10 x 3	⅜ x ⅛	-	-	-	-
10 x 6	⅜ x ¼	-	-	-	-
10	⅜	A37-06	A35-06	A35-06MF	A74-06
12 x 3	½ x ⅛	-	-	-	-
12 x 6	½ x ¼	-	-	-	-
12 x 10	½ x ⅜	-	-	-	-
12	½	A37-08	A35-08	-	A74-08
20 x 3	¾ x ⅛	-	-	-	-
20 x 6	¾ x ¼	-	-	-	-
20 x 10	¾ x ⅜	-	-	-	-
20 x 12	¾ x ½	-	-	-	-
20	¾	-	-	-	A74-12

Product Group: AN03

Bauer Style Couplings

Application

- Bauer fittings, or Bauer couplings, are a type of quick-connect coupling commonly used in agricultural, industrial, and fluid transfer applications. They are designed for rapid and secure connection and disconnection of large-diameter hoses and pipes. These couplings are particularly popular for irrigation, water supply, and liquid transfer in various settings.



A210 Rubber Hose Fitted with Female Bauer

Features

- Quick connect and disconnect
- Hot dipped galvanised
- Up to 30° bending angle at the coupling joint whilst maintaining a maximum flow
- Rubber seal provides an excellent seal under both pressure and vacuum
- Up to 20 bar working pressure

Working Pressure

- 50mm - 90mm 290 PSI
- 100mm - 300mm 174 PSI

Bauer Style Complete Set - Standard Duty



Lever Ring



Male Spigot



Female Spigot



O-Ring

Heavy Duty Machined Tails



Size		Part Numbers				
mm	inch	Hot Dipped Galvanised			Steel[1]	
		Male Spigot	Female Spigot	Flanged Tail	Male Spigot	Female Spigot
80	3	HD100075	-	HD135080	-	-
100	4	HD100100	HD101100	HD135100	MC3094ST40	FC3104ST40
150	6	HD100150	HD101150	HD135150	MC3096ST60	FC3106ST60
200	8	HD100200	HD101200	HD135200	MC3098ST80	FC3108ST80
				Product Group: BL01		Product Group: AM09

Rubber O-ring not included with the female spigot
[1]Features a Dixon™ STB style hose tail machined from schedule 40 pipe, recommended with the use of steel crimp sleeves

Standard Type B



Size		Part Numbers			
mm	inch	Lever Ring	Male Spigot	Female Spigot	O-Ring
50	2	LR3042	100050	101050	RB3052
80	3	LR3043	100075	101075	RG3053
100	4	LR3044	100100	101100	RG3054
125	5	104125	100125	101125	105127
150	6	LR3046	100150	101150	RB3056
200	8	LR3048	100200	101200	RG3058

Rubber O-ring not included with the female spigot

Product Group: AM09



Size		Part Numbers				
mm	inch	Male Flange	Female Flange	Weld-On Male	Weld-On Female	O-Ring
80	3	102075	103075	3033	111075	RG3053
100	4	102100	103100	3034	111100	RG3054
125	5	102125	103125	-	-	105127
150	6	102150	103150	3036	111150	RB3056
200	8	102200	103200	3038	111200	RG3058

Rubber O-ring not included with the weld-on female

Product Group: AM09

Foot Valves & Strainers



Size		Part Numbers		
mm	inch	Foot Valve Hose Tail	Flange Foot Valve	Strainer Hose Tail
50	2	-	-	132050
80	3	130075	-	132075
100	4	130100	131100	132100
125	5	-	-	132125
150	6	130150	131150	132150
200	8	130200	131200	132200
250	10	-	131250	-
300	12	-	131300	-

Product Group: AM09

Travis Style Couplings

Application

- Dixon™ distributes a line of Travis-style couplings crafted from robust hot-dipped galvanised heavy gauge steel, providing exceptional durability. These couplings feature a quick-release design, facilitating swift hose connections, making them well-suited for vacuum trucks used in the efficient removal of dry waste materials including aggregate, granules and powders, as well as water, slurries and sewerage. Their adaptability extends to various industries, including agriculture and irrigation, where reliable and rapid hose connections are essential.

Features

- Robust heavy gauge steel construction
- Corrosive resistant galvanised coating
- Quick-release design for rapid hose connections
- Full-bore design for unrestricted flow



Size		Part Numbers			
mm	inch	Male Spigot	Female Spigot	Closure Ring	Full Set
100	4	TC100M	TC100F	TC100CR	TC100SET
125	5	TC125M	TC125F	TC125CR	TC125SET
150	6	TC150M	TC150F	TC150CR	TC150SET
200	8	TC200M	TC200F	TC200CR	TC200SET

Rubber O-ring included with the female spigot

Product Group: AM09



Size		Part Numbers			
mm	inch	Reducing Adaptor	Male O-Ring	Female Cup Seal	Blanking Plug
100	4	TC125100RA	TC100MS	TC100FS	TC100BP
125	5	TC150125RA	TC125MS	TC125FS	TC125BP
150	6	TC150100RA	TC150MS	TC150FS	TC150BP
200	8	TC200150RA	TC200MS	TC200FS	TC200BP

Product Group: AM09

Muff Couplings

Applications

- Designed to be used with muff coupling hose (A800).

Design

- Flange available in Table D, Table E and ANSI configuration



Dimensions (mm)		Part Numbers		Working Pressure		Total Length (mm)
Size	Hose OD	Aluminium	Cast Iron	PSI	bar	
50.8	69-71	MCA050	MCC051	101	7	96
76.2	102-104	MCA075	MCC076	101	7	112
101.6	125-129	MCA100	MCC101	101	7	160
127.0	152-157	MCA125	MCC126	101	7	174
152.4	180-238	MCA150	MCC150	101	7	190
203.2	234-238	MCA200	MCC201	101	7	245
254.0	284-290	MCA250	MCC251	101	7	295
304.8	343-349	MCA300	MCC301	101	7	342

Product Code: AC07

King Combination Nipples - Threaded

Application
- These fittings can be used to connect hoses to pipes, valves, pumps, or other fittings in fluid systems.

Material
- Unplated steel and plated steel in sizes 15mm - 50mm are knurled
- 316 Stainless steel in sizes 15mm - 50mm are not knurled





Size		Part Numbers		
mm	inch	Plated Steel (BSP)	Stainless Steel (BSP)	Plated Steel (NPT)
15	½	STC1A	RST1A	STC1
20	¾	STC5A	RST5A	STC5
25	1	STC10A	RST10A	STC10
32	1¼	STC15A	RST15A	STC15
40	1½	STC20A	RST20A	STC20
50	2	STC25A	RST25A	STC25
65	2½	STC30A	RST30A	STC30
80	3	STC35A	RST35A	STC35
100	4	STC40A	RST40A	STC40
125	5	STC50A	RST50A	STC50
150	6	STC60A	RST60A	STC60
200	8	STC80A	RST80A	STC80
250	10	STC100A	RST80A	STC100
300	12	STC120A	-	STC120

Product Group: AM01

King Combination Nipples





Size		Part Numbers			
mm	Pipe OD	Unplated Steel Grooved Ends	Plated Steel Shouldered Ends	Unplated Steel Bevelled Ends	316 Stainless Steel Bevelled Ends
20	26.7	-	-	STB5	RSTB5
25	33.4	STV10	-	STB10	RSTB10
32	42.2	STV15	-	STB15	RSTB15
40	48.3	STV20	-	STB20	RSTB20
50	60.3	STV25	STVS25	STB25	RSTB25
63.5 (USA)	73.0	STV30	-	-	RSTB30
65	76.1	STV30-M	-	STB30-M	RSTB30-M
80	75.0	STV35	STVS35	STB35	RSTB35
100	114	STV40	STVS40	STB40	RSTB40
125	139.7	STV50	-	STB50	RSTB50
150	168.0	STV60	-	-	RSTB60
150	165.1	STV60-M	STVS60CS	STB60-M	RSTB60-M
200	219.1	STV180	STVS80	STB80	-
250	273.0	STV100	STVS100	STB100	-
300	323.0	STV120	STVS120	STB120	-

Product Group: AM01

Male Hose Tail - 316SS

Application
- These fittings are commonly used in various applications, including those involving liquids and gases, where corrosion resistance and durability are essential. They might be used in industries such as plumbing, chemical processing, marine, and more.

Material
- 316 Stainless steel

Thread
- BSP



Size		Part Numbers
mm	inch	
8	5/16	SS16HT006
10	3/8	SS16HT010
12	1/2	SS16HT015
20	3/4	SS16HT020
25	1	SS16HT025
32	1¼	SS16HT032
40	1½	SS16HT040
50	2	SS16HT050
65	2½	SS16HT065
80	3	SS16HT080
100	4	SS16HT100

Product Group: AW01

Nut & Tail Couplings

Application
- These fittings are commonly used for various fluid systems, including water, irrigation, and gas lines. The ability to quickly connect and disconnect the nut and tail provides flexibility in installation, maintenance, and changes to the system. Brass is a popular choice for these fittings due to its excellent corrosion resistance and suitability for various fluids.

Material
- Brass

Thread
- BSP







Size (mm)		Part Numbers		
Thread	Hose Tail	Female Brass BSPP	Male Brass BSPT	Rubber Washer
15	15	FBB050A	MB050A	KRW1
20	15	FBB075050A	-	-
20	20	FBB075A	MB075A	KRW5
25	15	FBB100050A	-	-
25	20	FBB100075A	-	-
25	25	FBB100A	MB100A	KRW10
32	25	FBB125100A	-	-
32	32	FBB125A	MB125A	KRW15
40	32	FBB150125A	-	-
40	40	FBB150A	MB150A	KRW20
50	40	FBB200150A	-	-
50	50	FBB200A	MB200A	KRW25
65	65	FBB250A	MB250A	KRW30
80	80	FBB300A	MB300A	KRW35
100	100	FBB400A	MB400A	KRW40

Product Group: AM02

Minsup® 'Y' Pieces






Material	Part Numbers			
	¾" BSP Male x ½" Hose Tail x ¾" BSP Male	1" Hose Tail x ½" Hose Tail x 1" BSP Male	1" Hose Tail x 1" Hose Tail x ½" Hose Tail	1" Hose Tails
Zinc Plated Steel	08/025/03/000	08/025/02/000	08/025/05/000	08/025/07/000
				Product Group: AF01

Hose Joiners

Application

- Hose joiners are used in a wide range of applications, including domestic uses like garden hoses, industrial applications for liquid and gas transfer, and even in automotive systems.






Size		Part Numbers			
mm	inch	Dixon™ Hose Joiner Steel	Boss™ Hose Joiner Plated Iron	Minsup® Hose Joiner Lightweight Plated Steel	Minsup® Hose Joiner Ductile Iron
6	¼	DMA	-	-	-
10	⅜	DMB	-	-	-
12	½	DM1	M1[1]	08/030/01/000	-
16	⅝	DM5	-	-	-
20	¾	DM6	M6	08/030/02/000	-
25	1	DM11	M11	08/030/03/000	08/032/03/001
32	1¼	DM16	M16	-	-
35	1⅜	DM18	-	-	-
40	1½	DM21	M21	-	-
50	2	DM26	M26	08/030/05/000	-
65	2½	DM31	M31	-	-
80	3	DM36	M36	-	-
100	4	DM46	-	-	-
125	5	DM51	-	-	-
150	6	DM66	-	-	-
200	8	DM86	-	-	-
250	10	DM100	-	-	-
300	12	DM120	-	-	-
		Product Group: AF02	Product Group: AM07	Product Group: AM04	Product Group: AD01

[1]Plated steel

Boss™ hose joiner collars to engage the grip fingers of the Boss™ clamps, refer to page 147

- Dixon™ hose joiners are not for compressible products such as air, nitrogen, or steam

Standard Strainers

Application

- Are used to remove solid particles from liquids or gases in a fluid system. They are commonly used to protect pumps, valves, meters, and other sensitive equipment from damage that could be caused by debris or contaminants in the fluid. Strainers are used in a wide range of industries, including water treatment, oil and gas, chemical processing, food and beverage, and more. They can be used with liquids, gases, and some types of slurry.






Size		Mesh Gap (mm)	Part Numbers			
mm	inch		Stainless Steel Strainer BSP	Mild Steel Round Hole BSP	Polyethylene NPT	Polyethylene Hose Tail
40	1½	-	-	SSRH150	TSS20	PSS040
50	2	3	SST030	SSRH200	TSS25	PSS050
50	2	5	SST050	-	-	-
65	2½	-	-	SSRH250	-	-
80	3	-	-	SSRH300	TSS35	PSS080
100	4	-	-	SSRH400	-	-
150	6	-	-	SSRH600	-	-
			Product Group: AO06	Product Group: AM03	Product Group: AM02	Product Group: AO06

BISO & SISO Strainers

Application

- Suitable for applications where superior corrosion-resistant stainless steel is required to filter liquids. Commonly used to strain seawater for engines, generators, HVAC systems in vessels, however, can be used for other liquids that require a high-grade stainless steel filter to protect pumps, nozzles, and injectors from large particles.


SISO


BISO

Thread Size (C)		Part Numbers		Thread Type	Lid Type
mm	inch	SISO	BISO		
25	1	WS-SISO-100-C-A	WS-BISO-100-C-A	Male x Female	Clear
		WS-SISO-100-S-A	WS-BISO-100-S-A		Solid
32	1¼	WS-SISO-125-C-A	-		Clear
		WS-SISO-125-S-A	-		Solid
40	1½	WS-SISO-150-C-A	WS-SISO-150-C-A		Clear
		WS-SISO-150-S-A	WS-SISO-150-S-A		Solid
50	2	WS-SISO-200-C-A	WS-SISO-200-C-A		Clear
		WS-SISO-200-S-A	WS-SISO-200-S-A		Solid
65	2½	WS-SISO-250-C-A	WS-SISO-250-C-A	Female x Female	Clear
		WS-SISO-250-S-A	WS-SISO-250-S-A		Solid
80	3	WS-SISO-300-C-A	WS-SISO-300-C-A		Clear
		WS-SISO-300-S-A	WS-SISO-300-S-A		Solid
100	4	WS-SISO-400-C-A	WS-SISO-400-C-A		Clear
		WS-SISO-400-S-A	WS-SISO-400-S-A		Solid
125	5	WS-SISO-500-S-A	WS-SISO-500-S-A		Solid
150	6	WS-SISO-600-S-A	WS-SISO-600-S-A		Solid

Refer to the Marine Section (S) for the full details

Product Group: AS20

High Flow Heavy-Duty Hot Washdown Gun

Application
- Suitable for washdown in factories, commerical kitchens or used in anyother industrial washdown applicatons.

Features
- Heavy duty washdown gun
- Built-in BSP swivel inlet
- Flow rate at 300 PSI is 60 lt/min
- Maximum temperature 90°C
- Maximum operating pressure 350 PSI

Thread
- Built-in ½" BSP swivel inlet



Size		Part Number	Inlet Thread
mm	inch		
15	½	HDBWG050A	BSP

Product Group: AT01

Flow Boss™ Heavy-Duty Washdown Gun

Application
- For low-pressure cleaning and sanitation applications, such as food and dairy processing, tank and drum cleaning, pharmaceutical and chemical manufacturing, and meat and poultry packing.

Features
- Insulated covers for heat protection
- All stainless steel and brass construction for superior corrosion resistance
- Flow indication arrow and arrest clip
- Hollow cone spray pattern
- New improved design with the high flow rate
- Increased strength and durability
- Complete serviceability
- An upgraded seal design for superior pressure tightness.
- Hose connects at the base of the gun for easy maneuvering
- Ergonomic design for operator comfort. ½" BSP female inlet

Specifications
- Flow capacity: 57 lpm at 500kpa/72 PSI
- Maximum operating pressure: 2400 kpa/350 PSI

Colour
- Blue rubber cover

Temperature
- Rubber-coated handle protects hands from water temperatures to 80°C

Thread
- 12 mm (½") BSP female



Size		Part Number	Inlet Thread
mm	inch		
12	½	DWG050A	BSP

Product Group: AT01

Pistol-Grip Water Nozzle

Features
- Heavy-duty all zinc metallised body
- All brass valve stem and adjusting nut
- Stainless steel spring with lifetime packing
- Clip locks to any spray pattern

Pressures
- Maximum 620 kPa/90 PSI
- Maximum flow rate: 23 l/m

Thread
- Inlet (handle): 20mm (¾") BSP female



Size		Part Number	Inlet Thread
mm	inch		
20	¾	CSN75A	GHT

Product Group: AT01

- Do not use these products with steam lines

Insulated Water Nozzle

Features
- Heavy-duty brass valve and adjusting nut
- Chrome-plated all zinc body
- Industrial strength nylon handle
- Rubber head guard on threaded GHT front version
- Hold open clip locks on any spray pattern

Pressures
- Maximum 620 kPa/90 PSI
- Maximum flow rate: 23 l/m

Temperature
- Hot water up to 82°C

Thread
- Inlet (handle): 20mm (¾") BSP female
- Outlet (nozzle): 20mm (¾") GHT



Size		Part Number	Inlet Thread	Outlet Thread
mm	inch			
20	¾	SN75A	BSP	GHT

Product Group: AT01

Power Spray

Application
- Moulded from super tough 6 plastic and is ideal for all agriculture, marine, horticultural, industrial, and domestic spraying applications.

Features
- Adjustable spray pattern from a strong jet to a fine spray
- Quick trigger action from open to shut off position
- Flow rate using 20mm (¾") hose at 100 PSI is 15 lt/min on jet and 25 lt/min on spray

Thread
- Inlet (handle): 20mm (¾") BSP female



Size		Part Number	Inlet Thread
mm	inch		
20	¾	HNPS20	BSP

Product Group: FP08

Swivel Connectors



Size (mm)		Part Numbers	Description
thread	hose tail		
15	15	BNS44	½" BSP/NPT x ½" Hose tail
15	20	BNS64	½" BSP/NPT x ¾" Hose tail

Product Group: AT02



Size (mm)		Part Number	Description
thread	hose tail		
15	20	BMAS974	½" BSP/NPT x ¾" garden hose thread GHT

Product Group: AT01

- Do not use these products with steam lines

GHT Brass Nozzles

Brass Sweeper Nozzle

Thread Size		Part Number	Length (mm)	Discharge		Inlet Thread
mm	inch			mm	inch	
20	¾	PSN76	50	5	3/16	GHT

Product Group: AT01



Solid Brass Hose Spray Nozzle

Thread Size		Part Number	Length (mm)	Discharge		Inlet Thread
mm	inch			mm	inch	
20	¾	BN6	150	6	¼	GHT

For use up to 100 PSI (water only)

Product Group: AT01



Solid Brass Twist Nozzle

Thread Size		Part Number	Length (mm)	Inlet Thread
mm	inch			
20	¾	BTN75	100	GHT

For use up to 150 PSI (water only)

Product Group: AT01



GHT Brass Adaptors






Size		Part Numbers			
		Swivel Female GHT	Swivel Female GHT x NPT	Rigid Female GHT x NPT	Female GHT x Male NPT
mm	inch				
15	½	BA977	BAS974	BA974	BMA974
20	¾	-	BAS976	BA976	BMA976
25	1	-	-	-	FM7610T

Product Group: AT02






Size		Part Numbers			
		Male GHT x Female NPT	Male GHT	Male GHT x Male NPT	Cap
mm	inch				
15	½	BA794	BA777	BA73	GHC7
20	¾	BA796	-	BA74	-
25	1	FM1076	-	BS776	-

Product Group: AT02

Australian Standard Hose Reels

Application
- The green hose reel is used for rainwater and washdown applications, while the lilac hose reel is specifically tailored for recycled water.

Specifications
- Test pressure 2,000kPa
- Working pressure 1,500kPa
- Nominal hose diameter 19mm
- Minimum discharge rate of 045 l/s at 220kPa



Fixed Type

Part Number	Description	Approved
FFS-HR-36B-G	19mm x 36m standard fixed	✓
FFS-HR-36B-L	19mm x 36m standard fixed	✓

Product Group: FP06

High-Flow Washdown Hose Reel

Application
- Used for various commercial, marine, and domestic washdown applications and may also be used to assist in extinguishing small scrub fires. Suitable for mounting to walls, floors, or vehicles.

Features
- Light-weight, compact, and easy to move
- 19mm hose for increased water flow
- Comes complete with a rewind handle and flexible inlet connection that screws onto a standard garden tap

Specifications
- Weight: 14kg
- Hose: PVC to Australian Standard AS 1221
- Nozzle: jet/spray/off
- Finish: epoxy powder yellow, 70-micron min

Capacity
- 25mtrs x 19mm hose

Dimensions
- 520mm (L) x 410mm (W) x 520mm (H)



Part Number	Working Pressure (PSI)		Inlet/Outlet (NB)
	Water	Air	
HRS114-MS-025-YW	300	200	25

Product Group: FP06

Economy Hose Reels

Application
- Economy hose reels for domestic and industrial applications. Used primarily with PVC hose.



Fixed Standard

Part Numbers	Suits Hose	Colour	Inlet (mm)	Outlet (inch)
SR3012	12mm x 30mtr	Black	12	½
SR5012	12mm x 50mtr	Black	12	½
SR4018	18mm x 40mtr	Black	18	¾
LR6018	18mm x 60mtr	Black	18	¾

Product Group: FP06



Mobile

Part Numbers	Suits Hose	Colour	Inlet (mm)	Outlet (inch)
SM5012	12mm x 50mtr	Black	12	½
SM4018	18mm x 40mtr	Black	18	¾
LM6018	18mm x 60mtr	Black	18	¾

Hose not included

Product Group: FP06



Two swivels required per hose reel, refer to page 188

Dixon™ Heavy-Duty Hose Reel

Application
- Dixon's™ heavy-duty hose reel is designed to provide a reliable and convenient solution for storing and dispensing hoses in industrial and commercial environments.

Features
- Improves hose handling
- Prolongs hose life
- Reduces trip hazards
- Manufactured from mild steel
- Yellow for high visibility

Capacity
- 40mtrs x 25mm hose (approximately)

Dimensions
- 700mm (L) x 650mm (W) x 820mm (H)

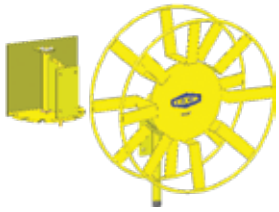
Optional
- The swivel attachment allows the hose reel to swivel 180° for improved coverage and ease of use. The swivel can be locked

Design
- Re-engineered design with new innovative assembly provides the following advantages:
- Rapid centre pin replaces fiddly bolts for reduced assembly time
- Improved hose support when reeled, less chance of kinking
- Increased hose capacity
- Ability to dismantle and service without unwinding the hose

Reel Without Hose

Part Numbers	Description	Working Pressure (PSI)		Inlet/Outlet (NB)
		water	air	
HR-HDW	Standard hose reel	300	200	25
HR-HDWS	Swivel attachment	-	-	-

Product Group: AT01



Reel With Hose

Part Numbers	Hose Dimensions	Description
HR-HDW-A104	25mm x 20mtr	A104 rubber multi-purpose hose 300PSI & BSPM outlet
HR-HDW-A700	25mm x 20mtr	A700 rubber FRAS delivery hose 300PSI & BSPM outlet
HR-HDW-H120	25mm x 20mtr	H120 PVC FRAS delivery hose 300PSI & BSPM outlet
HR-HDW-H210	25mm x 20mtr	H210 PVC FRAS delivery hose 300PSI & BSPM outlet
HR-HDW-S191	25mm x 20mtr	S191 rubber air/water hose 300PSI & BSPM outlet

Nozzle not included

Product Group: AT01



HR-HDW-A700



Natural Insertion Sheet Rubber

Application
- Natural insertion rubber is manufactured with a nylon reinforcing, giving the product a higher tear strength than ordinary rubber sheeting. Insertion rubber is used for a variety of applications including matting, packing, gaskets, dust curtains and mud flaps.

Specifications
- Reinforcing: nylon ply
- Tensile strength: 40±5 kg/cm²
- Hardness: shore - A 65+/-5
- Specific gravity: 1.5±0.05
- Elongation rate: minimum 250%

Material
- SBR

Temperature
- -20°C to 60°C



Part Numbers			Thickness (mm)	Ply (x)	Width (mm)	Weight (kg/10mtr Roll)
10mtr	5mtr	2mtr				
NIR015	NIR01505	NIR01502	1.5	1	1200	27
NIR03	NIR0305	NIR0302	3.2	2	1200	54
NIR045	NIR04505	NIR04502	4.5	2	1200	81
NIR06	NIR0605	NIR0602	6.0	2	1200	108
-	NIR06X4PLY05	NIR06X4PLY02	6.0	4	1200	110
NIR10	-	-	10.0	2	1200	180

Product Group: DB44

Neoprene Sheet Rubber

Application
- Neoprene rubber sheet is a preferable choice of rubber sheeting when exposed to the weather. This product also has a moderate resistance to petroleum based fluids. Neoprene rubber sheeting is used for many applications, including gasket making, matting, baffles & bumper strips.

Specifications
- Tensile strength: 40±5 kg/cm²
- Hardness: shore - A 65+/-5
- Specific gravity: 1.5±0.05
- Elongation rate: minimum 250%

Material
- CR

Temperature
- -20°C to 60°C



Part Numbers	Thickness (mm)	Length (mtr)	Width (mm)	Weight (kg/10mtr Roll)
NEO015	1.5	10	1200	27
NEO030	3.0	10	1200	54
NEO045	4.5	10	1200	81
NEO060	6.0	10	1200	108

Product Group: DB27

Neoprene Insertion Sheet Rubber

Application
- Neoprene rubber sheet is a preferable choice of rubber sheeting when exposed to the weather. This product also has a moderate resistance to petroleum based fluids. Neoprene rubber sheeting is used for many applications, including gasket making, matting, baffles & bumper strips.

Specifications
- Reinforcing: nylon ply
- Tensile strength: 40±5 kg/cm²
- Hardness: shore - A 65+/-5
- Specific gravity: 1.5±0.05
- Elongation rate: minimum 250%

Material
- CR

Temperature
- -20°C to 60°C

Part Numbers	Thickness (mm)	Length (mtr)	Width (mm)	Weight (kg/10mtr Roll)
NEO015R	1.5	10	1200	27
NEO030R	3.0	10	1200	54
NEO045R	4.5	10	1200	81
NEO060R	6.0	10	1200	108

Product Group: DB27



Skirting Sheet Rubber

Application
- Skirting rubber is a sheeting applied to the sides of conveyor belst to prevent loss of material travelling on the conveyor.

Specifications
- Tensile strength: 40±5 kg/cm²
- Hardness: shore - A 65+/-5
- Specific gravity: 1.5±0.05
- Elongation rate: minimum 250%

Material
- SBR

Temperature
- -20°C to 60°C

Part Numbers	Thickness (mm)	Length (mtr)	Width (mm)	Weight (kg/30mtr Roll)
SIR060200	6	30	200	54.00
SIR100100	10	30	100	45.00
SIR100150	10	30	150	67.50
SIR100200	10	30	200	90.00
SIR100250	10	30	250	112.50
SIR120100	12	30	100	54.00
SIR120125	12	30	125	67.50
SIR120150	12	30	150	81.00
SIR120200	12	30	200	108.00
SIR120300	12	30	300	162.00
SIR160100	16	30	100	72.00
SIR160150	16	30	150	108.00
SIR160200	16	30	200	144.00
SIR160250	16	30	250	180.00
SIR190100	19	30	100	85.50
SIR190150	19	30	150	128.25
SIR190200	19	30	200	171.00
SIR190350	19	30	350	300.00

Product Group: DB27



Pressure Gauges - 63mm Diameter

Application
- General-purpose waterproof, shock-resistant, and closed structures are durable and accurate. All series are liquid-filled (glycerine).

Specifications
- Model: 323 series
- Nominal size: 63mm
- Connection: 6mm (¼") BSPT
- Pointer type: general
- Accuracy: ± 1.5% F.S.
- Scale: dual scale PSI and kPa

Materials
- Case: AISI 304 stainless steel
- Tube: brass, bourdon
- Movement: brass



Bottom Entry



Rear Entry

Part Numbers		BSP Inlet		Pressure Range	
Bottom	Rear	mm	inch	PSI	kPa
PG00030	-	6	¼	0 - 35	0 - 250
PG00060	-	6	¼	0 - 55	0 - 400
PG00085	-	6	¼	0 - 85	0 - 600
PG00100	-	6	¼	0 - 115	0 - 800
PG00160	-	6	¼	0 - 145	0 - 1,000
PG00200	PG00200-RE	6	¼	0 - 230	0 - 1,600
PG00360	PG00360-RE	6	¼	0 - 360	0 - 2,500
PG00600	-	6	¼	0 - 600	0 - 4,100
PG00800	-	6	¼	0 - 870	0 - 6,000
PG01000	-	6	¼	0 - 1,160	0 - 8,000
PG02000	-	6	¼	0 - 2,300	0 - 16,000
PG03500	-	6	¼	0 - 3,500	0 - 24,100
PG05800	PG05800RE	6	¼	0 - 5,800	0 - 40,000
PG06000	-	6	¼	0 - 6,000	0 - 41,400
PG08000	PG008000RE	6	¼	0 - 8,000	0 - 55,200
PG10000	-	6	¼	0 - 10,000	0 - 69,000
PGAUGEVACCUM	-	6	¼	N/A	-100

Product Group: AN09

Pressure Gauges - 100mm Diameter

Application
- Light-weight, low-cost gauge is primarily used in fire protection hydrant assemblies, or where pressure is generally static.

Features
- Model: 323 series
- Nominal size: 100mm
- Pointer type: general
- Scale: PSI

Materials
- Case: black steel
- Tube: brass, bourdon
- Face: glass

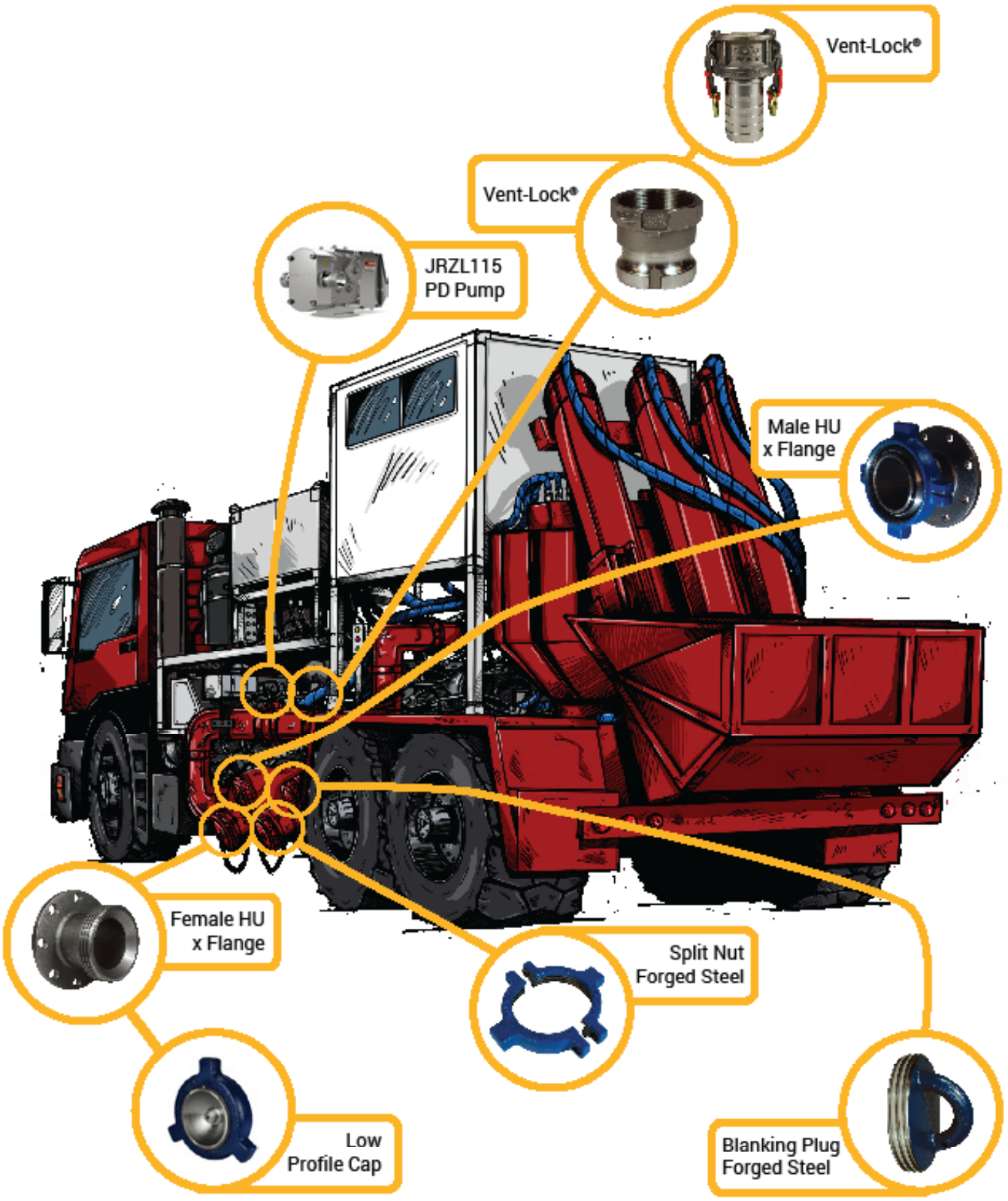


Part Numbers	Casing	BSP Inlet		Pressure Range	
		mm	inch	PSI	kPa
PG-100-1600	Black Steel	10	⅜	0 - 230	0 - 1,600
PG-100-2500	Black Steel	10	⅜	0 - 360	0 - 2,500
PG-100-2500-1/2	Black Steel	15	½	0 - 360	0 - 2,500
PG-100-2500-SS	Stainless Steel	10	⅜	0 - 360	0 - 2,500

Product Group: FP05

Boss™ Low-Pressure System (LPS) Components

Dixon™ is committed to improving end-user productivity and reducing environmental and safety-related incidents on the low-pressure side of hydraulic fracturing sites. Boss™ Low-Pressure System products are built around the premise - "no welds, no threads, no leaks." The product line is continually expanding.



Dixon™ Frac Fittings

Application
- Used in the fast-paced transfer of water, chemicals, and sand slurry to a hydraulic fracturing site.

Features
- One-piece stem design eliminates the leak path common with two-piece threaded systems
- Interchangeable with current fittings; phase them into your operation
- Designed to work with Dixon™ King Crimp™ sleeves or ferrules

Materials
- Fittings: machined iron to ASTM standards; all stems zinc plated
- NPT fittings are schedule 40 pipe; all sizes meet ASTM standards
- Nut: forged steel meeting AISI standards

Specifications
- 400 PSI working pressure at 70°F (21°C) for 3" and 4" sizes; 4:1 safety factor (SF)1
- 230 PSI working pressure at 70°F (21°C) for 6" size; 4:1 safety factor (SF)
- 150 PSI working pressure at 70°F (21°C) for 8" size; 1 safety factor (SF)
- ¹400 PSI working pressure with a minimum 4:1 safety factor (hose burst - hose working pressure) is only achieved with:
  - 3" size uses standard crimp ferrules
  - 3" size requires heavy-duty (HD) crimp ferrules, CF400-6CSHD through CF400-16CSHD, and heavy-duty stems





Female 3" & 4"



Female 8"

Complete Male/Female Assembly

Size		Figure	Part Numbers
mm	inch		
50	2	200	HUMF200200CS
			HUMF206200CS
80	3	300	HUMF100300CS
			HUMF200300CS
			HUMF206300CS
100	4	400	HUMF100400CS
			HUMF200400CS
			HUMF206400CS
150	6	600	HUMF100600CS
			HUMF200600CS
			HUMF206600CS
200	8	800	HUMF100800CS
			HUMF200800CS¹
			HUMF206800CS¹

Product Group: AN08



Male with Nut 3" & 4"



Male with Nut 6" & 8"

Male & Female Stems

Size		Figure	Part Numbers	
mm	inch		female	male with nut
50	2	206	HUF206200CS	HUM206200CS¹
80	3	100	HUF100300CS	HUM100300CS
		206	HUF206300CS	HUM206300CS¹
100	4	100	HUF100400CS	HUM100400CS
		206	HUF206400CS	HUM206400CS¹
150	6	100	HUFALL600CS¹	HUM100600CS
		206		HUM206600CS¹
200	8	100	HUFALL800CS¹	HUM100800CS
		206		HUM206800CS¹

¹Meets both figure 100 and 206 dimensional specifications

Product Group: AN08

Suction Service Fittings

Application
- Used in the transfer of dry cement, and mud system suction lines. Socket weld allows for attaching to hose fittings or pipe.

Materials
- Carbon steel

Size		Figure	Part Numbers	Description
mm	inch			
125	5	50	HUSM500SW-1	Socket weld x suction male hammer union
			HUSF500SW	Socket weld x suction female hammer union
		n/a	HUS500RN	Split nut, suction and discharge, black

Product Group: AN08


HUSM500SW-1


HUSF500SW

Dixon™ Figure 206 O-Rings

Size		Part Numbers	Description	Material
mm	inch			
50	2	O288BU	Figure 206 O-ring	Nitrile Buna - N
80	3	O23BU		
100	4	O347BU		
100	4	O429BU	Figure 206 Cap O-ring	
150	6	O440BU	Figure 206 O-ring	
200	8	O447BU		

Product Group: AN08



King Crimp™ Style - Short Ferrules

Materials
- Carbon steel

Hose ID		Hose OD (mm)		Part Numbers	Ferrule Dimensions (mm)		
mm	inch	from	to		Wall Thickness	Internal Diameter	Overall Length
200	8	214.71	217.49	CFS800-1CS	3.05	219.0	108
		217.88	220.66	CFS800-2CS		222.0	
		221.06	223.84	CFS800-3CS		225.4	
		224.23	227.01	CFS800-4CS		228.6	
		227.41	230.19	CFS800-5CS		231.8	
		230.58	233.36	CFS800-6CS		235.0	
		233.76	236.54	CFS800-7CS		238.0	
		236.93	239.71	CFS800-8CS		241.3	

Product Group: AN06



King Crimp™ Style - Combination Nipple

Application
- Used in the fast paced transfer of water, chemicals, and sand slurry to a hydraulic fracturing site.

Size		Part Number	Description
mm	inch		
100	4	STC40CSHD	Male NPT fitting, schedule 80 steel

Product Group: AN06



King Crimp™ Style - Heavy Duty Ferrules

Features
- 400 PSI working pressure with a minimum 4:1 safety factor (hose burst - hose working pressure) is only achieved with heavy-duty (HD) crimp ferrules, CF400-6CSHD through to CF400-16CSHD)

Materials
- Carbon steel



Hose ID		Hose OD (mm)		Part Numbers	Ferrule Dimensions (mm)		
mm	inch	from	to		Wall Thickness	Internal Diameter	Overall Length
100	4	114.70	115.90	CF400-6CSHD	3.05	117.48	102
		116.30	117.50	CF400-7CSHD		119.08	
		117.90	119.10	CF400-8CSHD		120.65	
		119.45	120.65	CF400-9CSHD		122.25	
		121.00	122.25	CF400-10CSHD		123.83	
		122.60	123.80	CF400-11CSHD		125.43	
		124.20	125.40	CF400-12CSHD		127.00	
		125.80	127.00	CF400-13CSHD		128.60	
		127.40	128.60	CF400-14CSHD		130.18	
		129.00	130.20	CF400-15CSHD		131.78	
		130.60	131.80	CF400-16CSHD		133.35	

Product Group: AN06

King Crimp™ Style - Large Ferrules

Materials
- Carbon steel



Size		Part Numbers	Ferrule Dimensions (mm)		
mm	inch		Wall Thickness	Internal Diameter	Overall Length
150	6	S6438X550X120CS	3.05	163.58	140
		S700X400X120CS		177.80	102
		S700X600X120CS		177.80	152
200	8	S830X875X120CS		210.82	222
		S838X600X120CS		212.85	152
		S850X650X120CS		215.90	165
		S875X600X120CS		222.25	152
		S898X875X120CS		228.09	222
		S900X400X090CS		228.60	102
		S900X400X120CS		228.60	102
		S900X600X120CS		228.60	152
		S910X400X120CS		231.14	102
		S912X600X120CS		231.65	152
		S915X600X120CS		232.41	152
		S925X600X120CS		234.95	152
		S925X400X120CS		234.95	102
		S950X400X120CS		241.30	102
		S950X600X120CS		241.30	152
		S975X600X120CS		247.65	152
250	10	S1025X750X120CS		260.35	191
		S1050X750X120CS		266.70	191
		S1100X600X120CS		279.40	152
		S1175X600X120CS		298.45	152

Product Group: AN06

Dixon™ Hammer Union Nuts

Features
- Long-lasting and dependable nut
- Lug design provides an enlarged surface area to hammer
- All nuts are interchangeable with reliable brands
- 150mm (6") and 200mm (8") sizes have 4-lug design for more surface area to hammer
- Can be installed on pre-existing hammer union assemblies

Specifications
- Cold working pressure: figure 50 = 500 PSI
- Cold working pressure: figure 100 = 1,000 PSI
- Cold working pressure: figure 200/206 = 2,000 PSI

One-Piece

Application
- Used in the transfer of dry cement, and mud system suction lines. Socket weld allows for attaching to hose fittings or pipe.

Size		Part Numbers	Figure
mm	inch		
25	1	HU106100N	200 & 206
50	2	HU206200N	200 & 206
80	3	HU100300N	100
		HU206300N	200 & 206
100	4	HU100400N	100
		HU206400N	200 & 206
150	6	HU100600N	100
		HU206600N	200 & 206
200	8	HU100800N	100
		HU206800N	200 & 206

Product Group: AD08



80mm (3") & 100mm (4")



150mm (6") & 200mm (8")

Two-Piece

Application
- Used with male one-piece flange adapters. Replacement for damaged hammer union nuts.

Size		Part Numbers	Figure
mm	inch		
100	4	HU200400RN	200/206 - Blue (split nut, includes bolts)
125	5	HUS500N	50 - Black
		HUS500RN	50 - Black (split nut, includes bolts)
150	6	HU100600RN	100 - Black (split nut, includes bolts)
		HU200600RN	200/206 Blue (split nut, includes bolts)
200	8	HU100800RN	100 - Black (split nut, includes bolts)
		HU200800RN	200/206 Blue (split nut, includes bolts)

Product Group: AN06



Figure 200/206



Figure 100

Three-Piece

Application
- Used with male one-piece flange adapters. Replacement for damaged hammer union nuts. Can use tools/wrenches made from loosening and tightening nuts.

Size		Part Number	Figure
mm	inch		
100	4	HU200400RN3	200/206 - Blue (split nut, includes bolts)

Product Group: AN06



Figure 200/206

- Dixon™ recommends using Loctite® Threadlocker Red 271™ when bolting together two-piece hammer union nuts to ensure that bolts do not loosen when in service. Option two is to weld the seams of the split nut. bolt torque recommendation is 60ft. lbs

Dixon™ One-Piece Flange Adaptors x Hammer Union

Application
- Used in the transfer of water, brine, water-based chemicals, water-based acids, and gelatinous proppant (sand) slurry used at hydraulic fracturing sites.

Features
- Flange x female or male hammer union straights (standard or short length)
- 45° elbows in female and male (flange x hammer union)
- No welds or pipe threads to deteriorate and cause premature leakage
- All 100mm (4") figure 206 threads & 150# flanges are interchangeable with other reliable brands

Materials
- Iron adaptors meet ASTM standards
- Forged steel nuts meet AISI standards

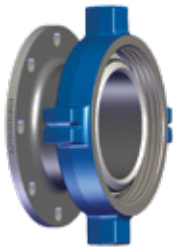


Female

Straight

Size		Part Numbers	Overall Length (mm)	Description
mm	inch			
100	4	HUF206400FLG	131.20	Female x 125# flange - figure 206
		HUM206400FLG	131.00	Male x 125# flange (includes iron nut & O-ring)[1] figure 206
150	6	HUFALL600FLG	114.30	Female x 125# flange - connects to figures 100/200/206
		HUM206600FLG	252.41	Male x 125# flange (includes iron nut & O-ring)[1] figure 206
200	8	HUFALL800FLG	114.30	Female x 125# flange - connects to figures 100/200/206
		HUM206800FLG	132.56	Male x 125# flange (includes nut & O-ring)[1] figure 206

Product Group: AD08



Male

Short

Size		Part Numbers	Overall Length (mm)	Description
mm	inch			
100	4	HUF206400FLG-ST	76.00	Female x 125# flange - figure 206
		HUM206400FLG-ST	87.00	Male x 125# flange (includes nut & nitrile rubber O-ring)[1]

Product Group: AD08



Male

45° Elbow

Size		Part Numbers	Overall Length (mm)	Description
mm	inch			
100	4	HUF206400FLG-45	279.00	Female x 125# flange 45° Elbow
		HUM206400FLG-45	306.00	Male x 125# flange 45° Elbow (includes nut & nitrile rubber O-ring)[1]

[1]O-ring - O347BU refer to page 197

Product Group: AD08

Dixon™ Hammer Union Elbow



Size		Figure	Part Numbers	Description
mm	inch			
100	4	206	HUMF20640045	Male x female 45° elbow
			HUMF20640060	Male x female 60° elbow
			HUMF20640080	Male x female 80° elbow
			HUMF20640090	Male x female 90° elbow

Product Group: AD08

Dixon™ Boss™ LPS One-Piece Adapters

Size		Part Numbers	Overall Length (mm)	Description
mm	inch			
100	4	WC4FL12X375-2	131.20	With offset hole alignment to centre weld on 12" manifold pipe x 3-3/4" long adaptor
		WC4FL12X675-2	131.00	With offset hole alignment to centre weld on 12" manifold pipe x 6-3/4" long adapter
		WA4FL12X750-1	114.30	Vertical
		WA4FL12X750-2	252.41	Offset
		WA4FL12X1050-1	114.30	Vertical
		WA4FL12X1050-2	132.56	Offset



Product Group: AD08

Hammer Union Caps and Plugs

Application
- Used in pressurised service on site or when transferring equipment. Prevents leakage of hydraulic fracturing fluids from hammer union connections.

Features
- Forged steel construction ensures longevity, reliability, and performance
- Designed with a larger handle for easier installation and disassembling
- The design includes a handle hole to attach a chain or cable

Materials
- Forged steel meeting AISI standards

Cap

Size		Part Number	Figure
mm	inch		
100	4	HUC207400	206



O-ring - O429BU refer to page 197

Product Group: AD08

Plug

Size		Part Number	Figure
mm	inch		
100	4	HUP207400	206



Product Group: AD08

Hammer Unions

Application
- Used in the transfer of water, brine, water-based chemicals, water-based acids, and gelatinous proppant (sand) slurry used at hydraulic fracturing sites.

Features
- Butt weld configurations and other materials are available
- Butt weld ends are schedule 80
- Non-shocking cold water pressure (NSCWP) means that the rated value is the maximum pressure at ambient temperature:
  - No spikes higher than this pressure
  - No instantaneous pressure increases (0--2000 PSIG in 1/4 of a second)
  - Ambient temperature: 21°C

Temperature
- -32°C to +93°C

Material
- Forged steel

100 Series

Application
- Used on low-pressure manifolds and lines, and suitable for applications involving air, water, oil, or gas, with a maximum pressure of 1000 PSI NSCWP.

Colour
- Yellow sub and black nut



Size		Part Numbers	Configuration	NSCWP
mm	inch			
50	2	HU100200	FNPT Threaded	1000
2	2	HU100200BW	Butt Weld	1000
65	2½	HU100250	FNPT Threaded	1000
80	3	HU100300	FNPT Threaded	1000
100	4	HU100400	FNPT Threaded	1000
100	4	HU100400BW	Butt Weld	1000
150	6	HU100600	FNPT Threaded	1000
200	8	HU100800	FNPT Threaded	1000

Product Group: AD08

200 Series

Application
- Used in general service applications running air, water, oil, or gas up to 2000 PSI NSCWP.

Colour
- Grey sub and blue nut



Size		Part Numbers	Configuration	NSCWP
mm	inch			
25	1	HU200100	FNPT Threaded	2000
40	1½	HU200150	FNPT Threaded	2000
50	2	HU200200	FNPT Threaded	2000
50	2	HU200200BW	Butt Weld	2000
65	2½	HU200250	FNPT Threaded	2000
80	3	HU200300	FNPT Threaded	2000
100	4	HU200400	FNPT Threaded	2000
150	6	HU200600	FNPT Threaded	2000
200	8	HU200800	FNPT Threaded	2000

Product Group: AD08

- Hammer unions work at extremely high pressure. Mismatching components of one series with another (i.e. series 602 with series 1502) can lead to the destruction of property, serious bodily injury, or death

206 Series

Application
- Runs air, water, oil, or gas up to 2000 PSI NSCWP.

Colour
- Grey sub and blue nut

Size		Part Numbers	Configuration	NSCWP
mm	inch			
25	1	HU206100	FNPT Threaded	2000
40	1½	HU206150	FNPT Threaded	2000
50	2	HU206200	FNPT Threaded	2000
65	2½	HU206250	FNPT Threaded	2000
80	3	HU206300	FNPT Threaded	2000
100	4	HU206400	FNPT Threaded	2000
150	6	HU206600	FNPT Threaded	2000
200	8	HU206800	FNPT Threaded	2000

Product Group: AD08



400 Series

Application
- Used on manifold and line connections, pump, suction, and mud service. Up to 4000 PSI NSCWP.

Colour
- Red sub and black nut

Size		Part Numbers	Configuration	NSCWP
mm	inch			
50	2	HU400200	FNPT Threaded	4000
80	3	HU400300	FNPT Threaded	4000
100	4	HU400400	FNPT Threaded	4000

Product Group: AD08



602 Series

Application
- For use in mud, manifold service, and truck mounting applications running air, water, oil, gas, or mud up to 6000 PSI NSCWP.

Colour
- Orange sub and black nut

Size		Part Numbers	Configuration	NSCWP
mm	inch			
25	1	HU602100	FNPT Threaded	6000
50	2	HU602200	FNPT Threaded	6000
50	2	HU602200BW	Butt Weld	6000
80	3	HU602300	FNPT Threaded	6000
80	3	HU602300BW	FNPT Threaded	6000
100	4	HU602400	FNPT Threaded	6000
100	4	HU602400BW	Butt Weld	6000

Product Group: AD08



- Hammer unions work at extremely high-pressure. Mismatching components of one series with another (ie series 602 with series 1502) can lead to the destruction of property, serious bodily injury, or death

1002 Series



Application

- For use in high-pressure systems and truck mounting applications running air, water, oil, gas, or mud up to 10000 PSI NSCWP.

Colour

- Blue sub and red nut

Size		Part Numbers	Configuration	NSCWP
mm	inch			
25	1	HU1002100	FNPT Threaded	10000
50	2	HU1002200	FNPT Threaded	10000
50	2	HU1002200BW	Butt Weld	10000
80	3	HU1002300	FNPT Threaded	10000
80	3	HU1002300BW	Butt Weld	10000
100	4	HU1002400	FNPT Threaded	10000
100	4	HU1002400BW	Butt Weld	10000

Product Group: AD08

1502 Series



Application

- For use in extremely high-pressure applications running air, water, oil, gas, or mud up to 15000 PSI NSCWP.

Colour

- Red sub and blue nut

Size		Part Numbers	Configuration	NSCWP
mm	inch			
25	1	HU1502100	FNPT Threaded	15000
50	2	HU1502200	FNPT Threaded	15000
50	2	HU1502200BW	Butt Weld	15000
80	3	HU1502300	FNPT Threaded	15000
80	3	HU1502300BW	FNPT Threaded	15000
100	4	HU1502400	FNPT Threaded	15000
100	4	HU1502400BW	Butt Weld	15000

Product Group: AD08

- Hammer unions work at extremely high pressure. Mismatching components of one series with another (ie series 602 with series 1502) can lead to the destruction of property, serious bodily injury, or death

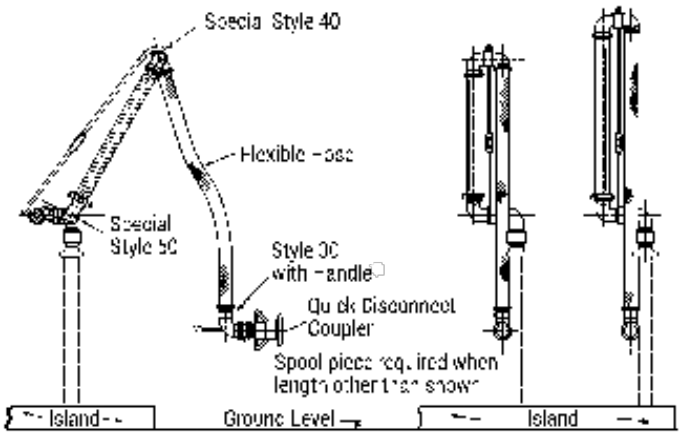
Swivel Joints

Application
- Used wherever a leak-proof swivel connection is needed in pipelines or in combination with hoses to eliminate hose twisting.
- Industries range from petroleum, petrochemical, refining, mining, distilling, paint, farm irrigation and fertilising, wastewater treatment plants, and food and beverage process equipment. Dixon™ swivel joints are found in blending plants, drum filling applications, fluid, and dry bulk transfer, vacuum trucks, oil and gas trucks, and water trucks. Larger swivels can be found in the steel industry, marine bulk transfer, and many more applications.

Features
- Full 360° rotational movement
- Wide spacing between dual ball-bearing raceways ensures greater load-bearing capacity
- A precision-machined design ensures alignment and years of trouble-free service
- O-ring dust seal protects the ball races and seals the chamber from outside elements
- Radius elbow design ensures a smooth flow pattern
- Hydrostatic testing is performed on all swivels before shipment

Available Options
- End configurations: female NPT, 150# flanges, TTMA flange, grooved, weld end, and many other variations
- Seal options: Nitrile rubber, FKM, PTFE, EPDM, FDA nitrile rubber, FFKM
- Ball bearing materials: carbon steel, 440 stainless steel, and 316 stainless steel
- Grease materials: Lithium, FDA-approved/food grade, and silicone
- Swivels that include oxygen, steam, or submerged service can be specifically designed for unique applications (special order)
- 100% full penetration weld
- Re-build kits available
- Custom swivel options available; contact Dixon™

Typical Application



Working Pressures

Dixon™ swivels are recommended for use at the following maximum Non-Shock Cold Working Pressures (NSCWP) provided in PSI, at an ambient temperature of 21°C (70°F).

Size	V-ring Carbon Steel CS	O-ring Carbon Steel OC	V-ring Stainless Steel SS	O-ring Stainless Steel OS	Aluminium AL	Brass BR	Malleable Iron MI
1"	---	1000	---	1000	150	---	---
1-1/4"	---	---	---	---	150	---	---
1-1/2"	---	1000	---	1000	150	300	600
2"	1000	1000	1000	1000	150	300	600
3"	1000	1000	1000	1000	150	300	600
4"	1000	---	1000	---	150	---	---
6"	1000	---	---	---	150	---	---
8"	---	---	---	---	150	---	---

- When using flanged ends, the pressure rating will be reduced to coincide with that of the flange being used. Carbon steel and stainless steel 150# flanges are recommended for use at 275 PSI maximum at an ambient temperature of 21°C (70°F)
- Lubrication should be performed periodically, depending on service and operating conditions. Twice yearly is normally sufficient
- All dimensions are approximate. Where critical, contact Dixon™

O-Ring Swivel Joints

Parts Identification List

Application
- Commonly used in aluminium loading/unloading arm applications.

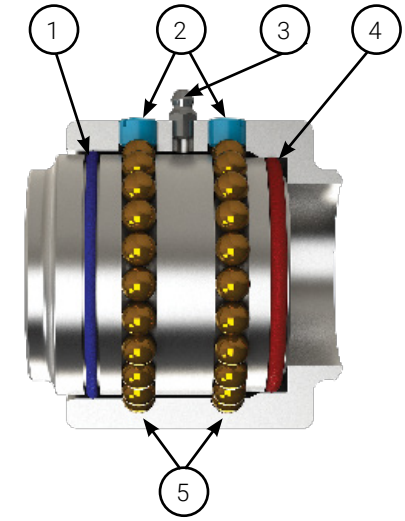
Sizes
- 25mm -100mm (1" - 4")

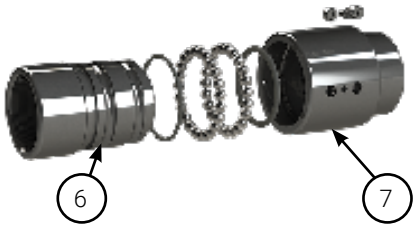
Features
- O-ring pressure seal ensures a leak-proof seal and smooth rotation with lower torque
- Smooth moving seal for high-volume drum and tote loading
- Swivel end configurations: 150 lb. and 300 lb. flanges, FNPT, MNPT, butt weld, TTMA, and others upon request

Materials
- Available in carbon steel, 316L stainless steel, aluminium, brass, and malleable iron

Specifications
- Available working pressure ratings up to 1,000 PSI

Bill of Materials
1. O-ring (dust) seal
2. Ball retainer screw
3. Grease fitting
4. O-ring (pressure) seal
5. Ball bearings
6. Sleeve
7. Body





V-Ring Swivel Joints

Parts Identification List

Application
- V-ring, also known as chevron packing, is a multiple lip seal known for its reliability and long life.
- Designed to seal even under misalignment caused by race wear from years of service.

Sizes
- 50mm - 300mm (2" - 12")

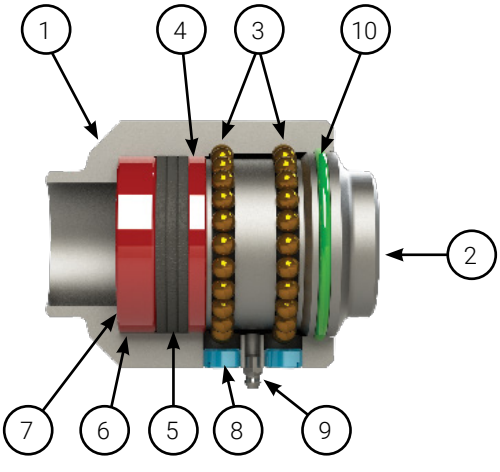
Features
- Three lip seals and the ability to seal even if the unit is in misalignment results in a longer time between service periods, increasing up-time efficiencies, and lowering maintenance costs
- A spring-loaded triple V-ring sealing system ensures a leak-proof seal at high or low-pressure and extends seal life
- Swivels are shipped standard with the following:
  Nitrile rubber pressure seals and dust seals
  Carbon steel ball bearings
  PTFE retainers in V-ring swivels

Materials
- Carbon steel, 316L stainless steel, and aluminium

Specification
- Available working pressure ratings up to 1,000 PSI

Bill of Materials

1. Body
2. Sleeve
3. Ball bearings
4. Seal Retainer
5. V-ring (Pressure Seal)
6. Spring Retainer
7. Springs
8. Ball Retainer Screws
9. Grease Fitting
10. O-ring (dust seal)





Single Plane Style 20



Female NPT x Female NPT



150# ASA Flange x 150# ASA Flange

Single Plane Style 30



Female NPT x Female NPT



150# ASA Flange x 150# ASA Flange

Single Plane Style 40



Female NPT x Female NPT



150# ASA Flange x 150# ASA Flange

Single Plane Style 50



Female NPT x Female NPT



150# ASA Flange x 150# ASA Flange

Double Plane Style 60



Female NPT x Female NPT



150# ASA Flange x 150# ASA Flange

Double Plane Style 70



Female NPT x Female NPT

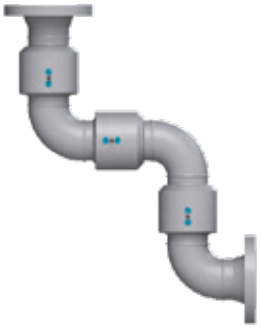


150# ASA Flange x 150# ASA Flange

Triple Plane Style 80



Female NPT x Female NPT

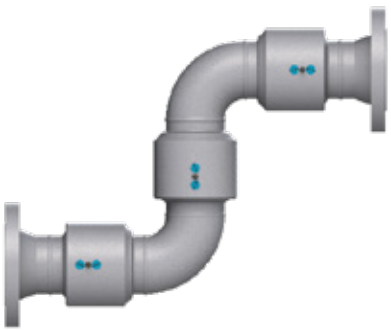


150# ASA Flange x 150# ASA Flange

Triple Plane Style 10



Female NPT x Female NPT



150# ASA Flange x 150# ASA Flange

Swivels Ordering Information

Size
Style (shape)
End configuration
Material
Maximum working pressure
Temperature range
Media: specify product being handled (if chemical, advise concentration)
Submerged or oxygen service
If for constant rotation, advise RPM
If for suction service, advise maximum vacuum in inches of mercury (Hg)

Example: 2 [A] 20 [B] F [C] X F [C] CS [D] 0 [E] 0 [F] 1 [G] 0 [H] 0 [I]

A Size	1 1 Inch	125 1¼ Inch	15 1½ Inch	2 2 Inch	3 3 Inch	4 4 Inch	6 6 Inch	8 8 Inch	10 10 Inch
B Style	10 Style 10	20 Style 20		30 Style 30	40 Style40	50 Style 50	60 Style 60	70 Style 70	80 Style 80
C End Connections	W Weld End	F Female NPT		FG 150# ASA Flange		TF Tank Truck Flange		PF 300# ASA Flange (Not Available in Aluminium)	
D Material	CS (V-ring) Carbon Steel	OC (O-ring) Carbon Steel		SS (V-ring) Stainless Steel		OS (O-ring) Stainless Steel	AL Aluminium	BR Brass	MI Malleable Iron
E Pressure Seal	0 Nitrile Rubber (standard)	1 FKM		2 PTFE		3 Ethylene Propylene (Requires Silicone Grease)		4 FDA Buna (O-ring Only)	
F Dust Seal	0 Nitrile Rubber (standard)	1 FKM		-		3 Ethylene Propylene (Requires Silicone Grease)		4 FDA Buna	
G Retainers	0 No Retainers (O-ring swivel)	-		2 PTFE		-		-	
H Ball Bearings	0 Carbon Steel (Standard)	1 440 grade SS		-		-		-	
I Grease	0 Lithium	1 FDA approved/food grade		-		-		-	

- The swivel should be packed such that the surfaces coming in contact with the fluid being handled are compatible with that fluid. In a case where the swivel is being used in a submerged service, this would include the dust seals and ball bearings
- We always recommend the use of stainless steel ball bearings when building a swivel for submerged service. Standard carbon steel ball bearings could rust together, making it impossible to disassemble the swivel which may affect operation





Industrial Clamping Solutions That **Hold Strong**

We supply a comprehensive range of industrial-grade clamps designed for secure, long-lasting performance. Our stocked range includes double bolt clamps, pinch-on clamps, worm gear clamps, super clamps, and preformed band clamps.

Industrial Clamps 212

Air King™ Double Bolt Clamps 212
Double Bolt Clamps 212
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T-Bolt Super Clamps - W4 217
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Universal Preformed Band Style Clamps 219
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Air King™ Double Bolt Clamps

Application

- Dixon™ Air King™ clamps are recommended for use with the Air King™ couplings. Torque values are based on dry bolts. The use of lubricant on bolts will adversely affect the clamps performance.

Materials

- Plated cast steel



Size		Part Numbers	Hose OD (mm)		Torque	Box Quantity
mm	inch		from	to	ft/lb	
10	⅜	CD	17.46	22.23	6	100
15	½	A4	25.40	30.16	6	50
20	¾	A9	28.58	33.34	12	50
25	1	A10	33.34	38.10	12	50
25	1	A14[1]	38.10	46.04	21	50

[1]Plated iron

Product Group: AD04

Double Bolt Clamps

Application

- For use in industrial, agriculture, mining, and various other industries.

Features

- The inner surface has dual gripping ridges
- Bolt lugs are reinforced to prevent bending out of alignment

Notes

- Measure hose outside diameter (OD) before selecting clamps
- Torque values for clamps are based on dry bolts
- The use of lubricant on bolts will adversely affect the clamps performance

Materials

- Plated iron



With 2 Saddles

Hose OD (mm)		Part Numbers	Bolt Torque		Box Quantity
from	to		ft-lbs	Nm	
88.9	96.8	400	40	54.2	25
96.0	103.2	431	40	54.2	20
102.4	108.7	463	40	54.2	20
108.0	125.4	525	60	81.3	10
114.3	133.4	550	60	81.3	10
130.2	144.5	600	60	81.3	10
144.5	150.8	639	60	81.3	10
150.8	165.1	675	60	81.3	10
165.1	192.1	769	125	169.5	5
195.3	208.2	818	125	169.5	5
209.6	225.4	875	125	169.5	5
227.0	250.8	988	125	169.5	5
252.4	288.9	1125	125	169.5	5
284.2	330.2	1275	125	169.5	3
309.6	355.6	1360	200	271.2	2
335.0	381.0	1450	200	271.2	2
382.6	444.5	1700	260	352.5	2

Product Group: AD02

Without Saddles

Hose OD (mm)		Part Numbers	Bolt Torque		Box Quantity
from	to		ft-lbs	Nm	
28.6	30.2	J48	15	20.3	100
30.2	34.9	J49	21	28.5	50
36.5	38.9	JX49	21	28.5	25
41.3	46.0	DL14	40	54.2	25
44.5	52.0	DL20	27	36.6	25
53.6	58.3	DL24	27	36.6	25
58.7	66.7	DL32	40	54.2	25
63.5	69.9	DL275	40	54.2	25
69.9	77.8	DL306	60	81.3	20
77.8	85.7	DL328	60	81.3	20
82.6	88.9	DL350	60	81.3	20

Product Group: AD02



Ludecke Double Bolt Clamps

Features

- Two parts with loose saddles

Materials

- Malleable iron

With Safety Claws - Din 20 039 B

Hose ID		Hose OD (mm)		Part Numbers	Box Quantity
mm	inch	from	to		
12.7	½	22	29	SK29	10
20	¾	28	32	SK34	10
25	1	35	42	SK39	5
28	1 7/64	42	45	SK44	5
35	1⅜	45	53	SK55	5
42	1 21/32	55	60	SK60	1
50	2	60	73	SK73	1

Product Group: AD02



Without Safety Claws

Hose ID		Hose OD (mm)		Part Numbers	Box Quantity
mm	inch	from	to		
12.7	½	22	29	SL29	10
20	¾	28	34	SL34	10
25	1	32	40	SL40	10
32	1¼	39	49	SL49	10
38	1½	48	60	SL60	5
50	2	56	72	SL72	5
50	2	60	76	SL76	5
63	2½	77	94	SL94	5
76	3	94	115	SL115	1
89	3½	115	145	SL145	1

Product Group: AD02



- Consult Dixon™ when using double bolt clamps on helical wire hose
- Torque values for clamps are based on dry bolts. The use of lubricant on bolts will adversely affect the clamps performance
- Do not lubricate nuts and bolts
- Worn-out couplings can be dangerous. They should be checked regularly and replaced

Double Ear Pinch-On Clamps

Application

- Double ear clamps offer an easy, efficient and safe solution to securely connect hoses, pipes, or tubing. They are commonly used in various industries for applications such as compressed air, gas, and liquid lines. The design of double ear clamps offers several advantages, making them suitable for a wide range of tightening and sealing tasks.
- When ordering double ear clamps, select the nominal clamp size nearest to (but larger than), the outside diameter (OD) of the hose to be clamped after the hose has been fitted to the end fitting.



Nominal Size		Size Range (mm)		Part Numbers		Box Quantity
mm	inch	from	to	Zinc Plated Steel	Stainless Steel 304	
4.76	3/16	3.4	5.0	0305	0305R	100
6	¼	5.0	7.0	0507	0507R	100
8	5/16	7.0	9.0	0709	0709R	100
10	⅜	8.1	11.0	0811	0811R	100
12.7	½	10.8	13.0	1113	1113R	100
14.3	9/16	12.5	15.0	1315	1315R	100
15	19/3	14.0	17.0	1517	1517R	100
16	⅝	16.0	19.0	1518	1518R	100
20	¾	16.2	20.0	1720	1720R	100
20.6	13/16	18.0	22.0	1922	1922R	100
22	7/8	19.0	23.0	2023	2023R	100
23.8	15/16	21.0	25.0	2225	2225R	100
25	1	22.5	27.0	2327	2327R	100
28.5	1 ⅛	26.3	31.0	2731	2731R	100
36.5	17/16	32	37.0	3437	3437R	100
38	1½	35	40.0	3740	3740R	100

Product Group: AO01

Double Ear Pinch-On Clamp Service Kits



Includes

- 15 x part number 0709
- 15 x part number 0911
- 15 x part number 1113
- 15 x part number 1315
- 15 x part number 1518
- 15 x part number 1720
- 12 x part number 2023
- 12 x part number 2225
- 12 x part number 2327
- 1 x pair of standard jaw pincers part number 1098

Part Number
SK1098

Product Group: AO01

Clamp Tools for Pinch-On Clamps



Standard Jaw

Part Number
1098

Product Group: AO01



Side Jaw

Part Number
1099

Product Group: AO01

Dixon™ Worm Gear Clamps

Application

- Worm gear hose clamps are highly versatile due to their easy and precise adjustability. Their ability to accommodate a wide range of hose or tube diameters makes them suitable for various applications, including, automotive, plumbing, and industrial applications.

Features

- Clamp meets SAE J1508 which supersedes mil-spec WW-C-440B
- Four-piece construction
- Screw design 8mm (5/16") slotted hex head
- Maximum recommended torque 45 in. lbs.

Materials

Style HS

- Band & housing - SAE 300 series stainless steel
- Screw - SAE 1018 case-hardened, hex-free chrome zinc-plated steel

Style HSS

- Band & housing - SAE 300 series stainless steel
- Screw - SAE 300 series stainless steel



Band Width - 12.7mm (1/2")

Hose OD Range (mm)		Part Numbers		Box Quantity
from	to	HS Clamps	HSS Clamps	
11	20	HS6	HSS6	10
12	23	HS8	HSS8	10
14	27	HS10	HSS10	10
17	32	HS12	HSS12	10
21	38	HS16	HSS16	10
21	45	HS20	HSS20	10
27	51	HS24	HSS24	10
33	57	HS28	HSS28	10
40	64	HS32	HSS32	10
46	70	HS36	HSS36	10
52	76	HS40	HSS40	10
59	83	HS44	HSS44	10
65	90	HS48	HSS48	10
71	95	HS52	HSS52	10
78	102	HS56	HSS56	10
84	108	HS60	HSS60	10
		Product Group: AO02	Product Group: AO03	

Band Width - 14.3mm (9/16")

Hose OD Range (mm)		Part Numbers		Box Quantity
from	to	HS Clamps	HSS Clamps	
91	114	HS64	HSS64	10
48	127	HS72	HS72	10
64	140	HS80	HSS80	10
79	152	HS88	HSS88	10
92	165	HS96	HSS96	10
105	178	HS104	HSS104	10
143	216	HS128	HSS128	10
181	254	HS152	HSS152	10
238	311	HS188	HSS188	10
257	330	HS200	HSS200	10
276	350	HS212	HSS212	10
295	368	HS224	HSS224	10
315	387	HS236	HSS236	10
334	406	HS248	HSS248	10
435	508	HS312	HSS312	10
		Product Group: AO02	Product Group: AO03	

- Torque ratings given on this page correspond to the torque rating of the screw of the clamp, and are not an indication of the working pressure of any hose assembly installed with this clamp

Dixon™ Miniature Worm Gear Clamps

Features

- Clamp meets SAE J1508 which supersedes mil-spec WW-C-440B
- Screw design 8mm (5/16") slotted hex head
- Maximum recommended torque 15 in. lbs.
- Sold in box quantities of 10 clamps

Materials

Style MH

- Band & housing - SAE 300 series stainless steel
- Screw - SAE 1018 case-hardened, hex-free chrome zinc-plated steel

Style MAH

- Band & housing - SAE 300 series stainless steel
- Screw - SAE 300 series stainless steel



Hose OD Range (mm)		Part Numbers		Box Quantity
from	to	Zinc Plated	Stainless Steel	
5.6	16	MH4	MAH4	10
11	20	MH6	MAH6	10
13	23	MH8	MAH8	10
14.3	27	MH10	MAH10	10
17	27	MH12	MAH12	10
24	28	MH16	MAH16	10
30	45	MH20	MAH20	10

Product Group: AO01

Dixon™ HTML Hi Torque Worm Gear Clamps

Features

- Withstands more than three times the SAE torque requirements for worm-driven clamps
- Eight screw threads are engaged in the band simultaneously for incredible torquing drive (over 90 in. lbs.), sealing pressure and vibration resistance
- Slotted hex head screw design

Materials

- Band & housing - 300 series half hard stainless steel
- Screw - 410 series stainless steel



Hose OD Range (mm)		Part Numbers	Box Quantity
from	to		
32	54	HTM200L	10
45	67	HTM250L	10
57	79	HTM300L	10
70	92	HTM350L	10
95	118	HTM450L	10

Product Group: AO01

Quick Release Worm Gear Clamps

Features

- Suggested installation torque 25-35 in lbs.
- Maximum torque 50 in. lbs.
- Screw design 8mm (5/16") slotted hex head

Materials

- Band & housing - 301 series stainless steel
- Screw - SAE 410 series stainless steel



Hose OD Range (mm)		Part Numbers	Box Quantity
from	to		
51	127	LSS72	1
52	152	LSS88	1
45	178	LSS104	1
45	218	LSS128	1
52	313	LSS188	1
259	355	LSS216	1
45	406	LSS248	1

Product Group: AO01

- Torque ratings given on this page correspond to the torque rating of the screw of the clamp, and are not an indication of the working pressure of any hose assembly installed with this clamp

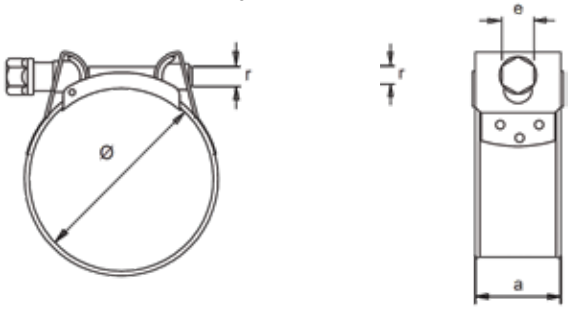
T-Bolt Super Clamps - W4

Features

- Complies with the RoHS directive EU 20032/95/EC 2006
- Swiveling bridge
- Can be opened up and fastened again when in place without dislodging other parts of the clamp
- Bevelled edges to protect the hose from damage

Materials

- Band & bridge - 304 series stainless steel
- Bolt - 302 stainless steel



Hose OD Range		Part Numbers	Dimensions (mm)			Bolt Torque (Nm)	Box Quantity
from	to		r	e	a		
17	19	SS019	M6	8	18	10	50
19	21	SS021	M6	8	18	10	50
21	23	SS023	M6	8	18	10	50
23	25	SS025	M6	8	18	10	50
23	27	SS027	M6	8	18	10	50
27	29	SS029	M7	11	20	10	50
29	31	SS031	M7	11	20	12	50
31	34	SS034	M7	11	20	12	50
34	37	SS037	M7	11	20	12	50
37	40	SS040	M7	11	20	12	50
40	43	SS043	M7	11	20	12	50
43	47	SS047	M7	11	20	12	50
47	51	SS051	M7	11	20	16	50
51	55	SS055	M7	11	20	16	25
55	59	SS059	M7	11	20	16	25
59	63	SS063	M7	11	20	16	25
63	68	SS068	M7	11	20	16	25
68	73	SS073	M8	13	25	30	25
73	79	SS079	M8	13	25	30	25
79	85	SS085	M8	13	25	30	25
85	91	SS091	M8	13	25	30	25
91	97	SS097	M8	13	25	30	25
97	104	SS104	M8	13	25	30	25
104	112	SS112	M8	13	25	30	25
112	121	SS121	M8	13	25	30	25
121	130	SS130	M8	13	25	30	25
130	140	SS140	M10	15	28	45	10
140	150	SS150	M10	15	28	45	10
150	162	SS162	M10	15	28	45	10
162	174	SS174	M10	15	28	45	10
174	187	SS187	M10	15	28	45	10
187	200	SS200	M10	15	28	45	10
200	213	SS213	M10	15	28	45	10
213	226	SS226	M10	15	28	45	10
226	239	SS239	M10	15	28	45	10
239	252	SS252	M10	15	28	45	10



Product Group: AO10

T-Bolt Super Clamps - W1

Application

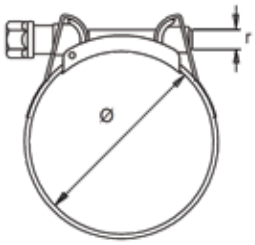
- A heavy-duty hose clamp that can be tightened up, using a variety of different tools. The super clamp is used in agricultural applications, wastewater extraction, mining, quarrying and on other sectors where a rugged, heavy-duty clamp is required.

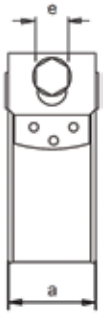
Features

- Swiveling bridge
- Can be opened up and fastened again when in place without dislodging other parts of the clamp
- Bevelled edges to protect the hose from damage

Materials

- Bolt: 8.8 grade steel
- Zinc plated







Hose OD Range		Part Numbers	Dimensions (mm)			Bolt Torque (Nm)	Box Quantity
from	to		r	e	a		
17	19	SW1-17	M5	8	18	4.5	50
20	22	SW1-19	M5	8	18	4.5	50
23	25	SW1-23	M5	8	18	4.5	50
26	28	SW1-25	M5	8	18	4.5	50
29	31	SW1-29	M6	10	20	8	50
32	35	SW1-31	M6	10	20	8	50
36	39	SW1-37	M6	10	20	8	50
40	43	SW1-40	M6	10	20	8	50
44	47	SW1-43	M7	11	22	16	50
48	51	SW1-47	M7	11	22	16	50
52	55	SW1-51	M7	11	22	16	25
56	59	SW1-55	M7	11	22	16	25
60	63	SW1-59	M7	11	22	16	25
64	67	SW1-63	M7	11	22	16	25
68	73	SW1-68	M8	13	24	25	25
74	79	SW1-73	M8	13	24	25	25
80	85	SW1-79	M8	13	24	25	25
86	91	SW1-85	M8	13	24	25	25
92	97	SW1-91	M8	13	24	25	25
98	103	SW1-97	M8	13	24	25	25
104	112	SW1-104	M8	13	24	25	25
113	121	SW1-112	M8	13	24	25	25
122	130	SW1-121	M8	13	24	25	25
131	139	SW1-130	M10	17	26	50	10
140	148	SW1-140	M10	17	26	50	10
149	161	SW1-150	M10	17	26	50	10
162	174	SW1-162	M10	17	26	50	10
175	187	SW1-174	M10	17	26	50	10
188	200	SW1-187	M10	17	26	50	10
201	213	SW1-200	M10	17	26	50	10
214	226	SW1-213	M10	17	26	50	10
227	239	SW1-226	M10	17	26	50	10
240	252	SW1-239	M10	17	26	50	10

Product Group: AO10

Universal Preformed Band Style Clamps

minsup

Features

- Install with centre punched or rolled-over tools
- Fast-Lok tools F1, F40 & F100
- Super strap tools 51960 screw action with 51970 adapter
- Punch-Lok tools P-1000 or P-38 for ⅜" & ⅝", P-3000 for ⅜"

Materials

- Band: 210 stainless steel
- Buckles: 304 stainless steel

Clamp ID		Part Numbers	Band Width (mm)	Box Quantity
mm	inch	K-Series		
20	13/16	KS3M	10	100
35	1⅜	KS311M	10	100
25	1	KS4M	16	100
32	1¼	KS5M	16	100
38	1½	KS6M	16	100
45	1¾	KS7M	16	100
50	2	KS8M	16	100
56	2¼	KS9M	16	100
65	2½	KS10M	16	50
70	2¾	KS11M	16	50
76	3	KS12M	16	50
92	3½	KS14M	16	50
100	4	KS16M	16	25
112	4½	KS18M	16	25
125	5	KS20M	16	25
150	6	KS24M	16	25
175	7	KS28M	16	25
200	8	KS32M	16	25



Product Group: AO03

Ultra-Lok® Band Style Clamping Systems

Features

- Ultra-Lok® provides a fast, reliable, consistent clamp made from 20mm (¾"), 6mm (¼") hard, high tensile 201 stainless steel for unequalled strength and reliability
- The battery-operated UL4000-DUK tool allows you to apply clamps anywhere
- Smooth ID seals tight with a gap-free, 360° seal
- The design allows locking under full tension, clamps resist rotation on pole applications
- Sizes range from 50mm (2") to 225mm (9") diameter
- Speed/torque setting on tool for consistent repeatable tensioning

Materials

- Ban: 300 series stainless steel
- Buckles: 302 series stainless steel

Clamp ID		Part Numbers	Box Quantity
mm	inch		
50	2	UL227	100
70	2¾	UL210	50
80	3	UL211	50
92	3½	UL212	50
100	4	UL213	25
112	4½	UL214	25
125	5	UL215	25
162	6½	UL217	25
175	7	UL218	25
200	8	UL219	25
225	9	UL228	10



Product Group: AO03

Ultra-Lok® Installation Tool

Application

- To be used with Ultra-Lok® band clamps. This cordless drill provides a portable and convenient method of installation.



Part Number	Description
UL4000-DUK	Ultra-Lok® tool to suit 20mm (3/4") band with cordless drill

Product Group: AO11

Clamp-it Band & Buckles

Application

- Band and buckles are versatile components used for various applications such as hose assemblies, bundling, and general fastening. The band can be wrapped around an object up to twice, depending on the strength required for the application.



Band

Features

- 30.4 mtrs (100ft) per box

Materials

- 201 Stainless steel

Width		Part Numbers	Colour	Thickness
mm	inch			
10	⅜	SS375M	Yellow	0.64
12.5	½	SS500M	Blue	0.76
16	⅝	SS625M	Green	0.76
20	¾	SS750M	Red	0.76

Product Group: AO11



Buckles

Features

- 100 per box

Materials

- Stainless steel

Width		Part Numbers	Thickness
mm	inch		
10	⅜	CS375M	0.64
12.5	½	CS500M	0.76
16	⅝	CS625M	0.76
20	¾	CS750M	0.76

Product Group: AO11

Band Clamp Hand Tools

Part Number	Description
F100	Hand held tool for application of ⅜" & ⅝" band clamps Product Group: AO006



Part Number	Description
F229	⅜" Clamp adaptor for F100 tool only Product Group: AO006



Part Number	Description
C2	Clamping tool for band & buckles - lightweight with side-entry Product Group: AO006



Part Number	Description
F1	Hand tool for application of ⅝" band clamps Product Group: AO006



Part Number	Description
51960	Clamping tool for band & buckles - for vice application only Product Group: AO006



Part Number	Description
51970	Adaptor for installing preformed clamps for part number 51960 Product Group: AO006



Spiral Clamps

Application

- Clockwise and anti-clockwise clamps are used for securing convoluted cover hoses, which are hoses with a spiral or corrugated outer cover. The spiral clamp is specifically designed to fit between the corrugations of the hose cover, providing a secure and tight grip on the hose.

Features

- Use on convoluted cover hose
- Clockwise wound or anti-clockwise wound

Materials

- Carbon steel band CW15 DIN 1-114 1
- Zinc-plated chromate/passivated

Notes

- To determine which style clamp is needed for your hose, look at the end of the hose, if the helix spirals in a clockwise direction away from you (along the hose), a clockwise clamp is needed
- More than one clamp may be needed per size, contact Dixon's customer service



Clockwise Spiral Clamp (right hand)

Hose ID		Hose OD (mm)		Part Numbers	Box Quantity
mm	inch	from	to		
38	1½	38.8	46	SC150	100
50	2	57.9	63.5	SC200	100
65	2½	69	73	SC250	50
76	3	80	88.9	SC300	50
100	4	100	114.3	SC400	50
125	5	129.4	139.7	SC500	20
150	6	158.7	177.8	SC600	20
200	8	215.9	234.95	SC800	20

Product Group: AO09



Anti-Clockwise Spiral Clamp (left hand)

Hose ID		Hose OD (mm)		Part Numbers	Box Quantity
mm	inch	from	to		
50	2	57.9	63.5	SCCW200	100
65	2½	69	73	SCCW250	50
76	3	80	88.9	SCCW300	50
100	4	100	114.3	SCCW400	50
125	5	129.4	139.7	SCCW500	20
150	6	158.7	177.8	SCCW600	20

Product Group: AO09

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Safety Break-Away Couplings - Break Bolt Industrial Version

Application

- The break bolt industrial breakaway coupling is designed to minimise spillage and damage associated with drive-away and pull-away incidents.



Design

- Coupling bolts will break at a preset load, causing the coupler to disconnect and valves close
- Simple mechanism, no loose components lost after release
- High flow rate/low-pressure drop
- Female NPT or BSP is standard, optional ANSI/DIN flanges available
- 250mm (10") & 300mm (12") sizes available

Materials

- Stainless steel or aluminium

Working Pressure

- Stainless steel - 360 PSI @ 21°C
- Aluminium - 230 PSI @ 21°C

Seal

- FKM is the standard seal



Female x Female

Size		Part Numbers			
		NPT		BSP	
DN	inch	Stainless Steel	Aluminium	Stainless Steel	Aluminium
25	1	SBC100SS	SBC100AL	SBC100SSA	SBC100ALA
50	2	SBC200SS	SBC200AL	SBC200SSA	SBC200ALA
80	3	SBC300SS	SBC300AL	SBC300SSA	SBC300ALA
100	4	SBC400SS	SBC400AL	SBC400SSA	SBC400ALA
125	5	SBC500SS	SBC500AL	SBC500SSA	SBC500ALA
150	6	SBC600SS	SBC600AL	SBC600SSA	SBC600ALA

Product Group: AS01



Male x Male

Size		Part Numbers			
		NPT		BSP	
DN	inch	Stainless Steel	Aluminium	Stainless Steel	Aluminium
50	2	SBC200SSMNPT	SBC200ALMNPT	SBC200SSMBSP	SBC200ALMBSP
80	3	SBC300SSMNPT	SBC300ALMNPT	SBC300SSMBSP	SBC300ALMBSP
100	4	SBC400SSMNPT	SBC400ALMNPT	SBC400SSMBSP	SBC400ALMBSP
125	5	SBC500SSMNPT	SBC500ALMNPT	SBC500SSMBSP	SBC500ALMBSP
150	6	SBC600SSMNPT	SBC600ALMNPT	SBC600SSMBSP	SBC600ALMBSP

Product Group: AS01



ANSI 150 Flange x ANSI 150 Flange

Size		Part Numbers	
DN	inch	Stainless Steel	Aluminium
25	1	SBC100SSFL	-
50	2	SBC200SSFL	SBC200ALFL
80	3	SBC300SSFL	SBC300ALFL
100	4	SBC400SSFL	SBC400ALFL
125	5	SBC500SSFL	SBC500ALFL
150	6	SBC600SSFL	SBC600ALFL
200	8	SBC800SSFL	-

Product Group: AS01

Safety Break-Away Couplings - Break Bolt Marine Version

Application

- The break bolt marine version break-away coupling is designed to minimise spillage and damage associated with pull-away incidents. Typical applications include ship-to-offshore platform and ship-to-ship product transfer operations.

Design

- Designed to be installed within a hose string where the coupling will have a length of hose attached to both sides
- Coupling bolts will break at a preset load, causing the coupler to disconnect and valves close
- Release is executed with force causing the bolts to break
- Female NPT or BSP is standard, optional ANSI/DIN flanges are available
- 250mm (10") & 300mm (12") sizes available

Materials

- 316Ti stainless steel body

Working Pressure

- 360 PSI @ 21°C

Seal

- FKM is the standard seal



Female x Female

Size		Part Numbers	
DN	inch	NPT	BSP
50	2	MSBC200SS	MSBC200SSA
80	3	MSBC300SS	MSBC300SSA
100	4	MSBC400SS	MSBC400SSA
125	5	MSBC500SS	MSBC500SSA
150	6	MSBC600SS	MSBC600SSA

Product Group: AS01



Male x Male

Size		Part Numbers	
DN	inch	NPT	BSP
50	2	MSBC200SSMNPT	MSBC200SSMBSP
80	3	MSBC300SSMNPT	MSBC300SSMBSP
100	4	MSBC400SSMNPT	MSBC400SSMBSP
125	5	MSBC500SSMNPT	MSBC500SSMBSP
150	6	MSBC600SSMNPT	MSBC600SSMBSP

Product Group: AS01



ANSI 150 Flange x ANSI 150 Flange

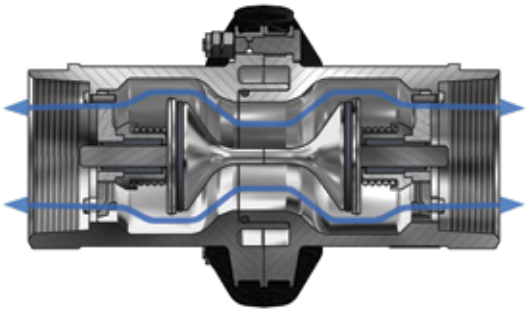
Size		Part Numbers
DN	inch	Stainless Steel
50	2	MSBC200SSFL
80	3	MSBC300SSFL
100	4	MSBC400SSFL
125	5	MSBC500SSFL
150	6	MSBC600SSFL
200	8	MSBC800SSFL

Product Group: AS01



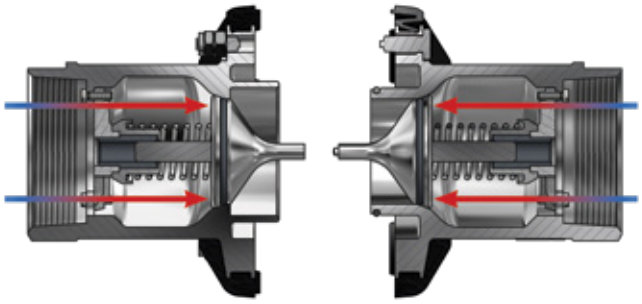
Safety Break-Away Couplings

How It Works



Before Emergency Disconnect

The safety break-away valve consists of two halves, each with a valve that has an O-ring seal



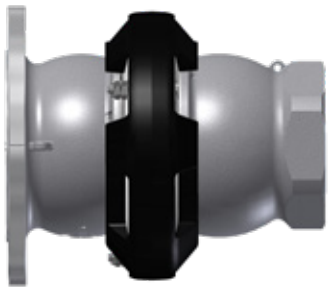
After Emergency Disconnect

When the safety break-away couplings separate, it allows the valves to close. The two valves close rapidly, minimising exposure to personnel and the environment

Option Non-Closure Design

The non-closure design is an economical alternative that allows the coupling to break away due to pull-away/drive-away incidents thus protecting piping systems and equipment. This design allows spillage of product in these instances as there is no valve in the coupling. Useful in applications where a non-hazardous product is being conveyed and where there are no environmental concerns. Available in both Industrial and Marine versions. Consult Dixon™ for more information.

Industrial and Marine Safety Break-Away Couplings are also available in BSP thread, DN Flange, 300# ASA Flange, Grooved Ends or any combination thereof.



Flange/Thread

(BSP/NPT, female/male or grooved)



NPT Female Thread/NPT Male Thread

(also available with BSP)



Grooved/Grooved



NPT Female Thread/Grooved

Safety Break-Away Couplings - Cable Release Series

Application

- Cable release is specifically designed to avoid placing load on hoses and equipment, for example loading arms.

Design

- Couplings feature a simple mechanism and no loose components to lose after release
- In some applications the necessary force of the breaking bolts may be too high to prevent damage to loading arms or other pipe and equipment; under these conditions, the use of cable release safety break-aways may be more suitable
- Cable length is set to release the clips holding coupling halves together before damage can occur to pipe or hose fitting
- When the coupling separates, the poppet valves close

Materials

- 316Ti stainless steel body

Working Pressure

- 360 PSI @ 21°C

Seal

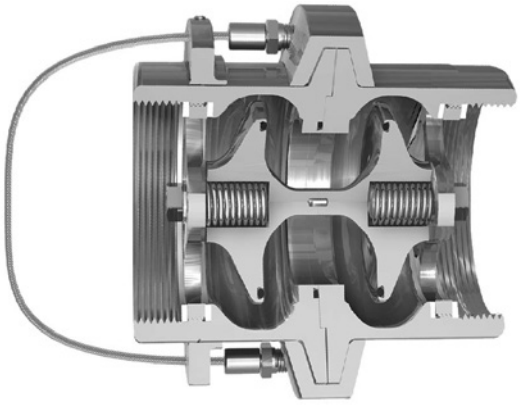
- FKM is the standard seal

Size		Part Numbers	Width (mm)	Length (mm)	Weight (kg)	Flow Rate (lpm)
DN	inch					
40	1½	SBC150SS-CR	98	142	3.1	378
50	2	SBC200SS-CR	110	144	4.1	500
80	3	SBC300SS-CR	145	195	8.5	1000
100	4	SBC400SS-CR	185	226	16.1	1500

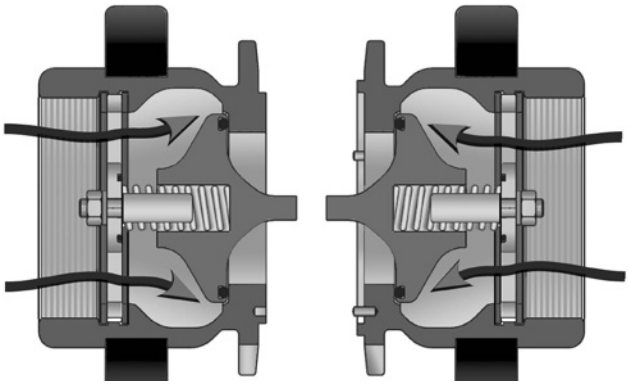
Product Group: AS01



How It Works



The safety break-away valve consists of two halves, each with a valve that has a flat type-sealing surface similar to a dry disconnect coupling



When the safety break-away couplings separate, it allows the poppets to close. The two valves close rapidly, minimising exposure to personnel and the environment

Option Non-Closure Design

The non-closure design is an economical alternative that allows the coupling to break away due to pull-away/drive-away incidents thus protecting piping systems and equipment. This design allows spillage of product in these instances due to the lack of valving in the coupling. Useful in applications where a non-hazardous product is being conveyed and where there are no environmental concerns. Available in both industrial and marine versions. Consult Dixon™ for more information.

Dry Disconnect Fittings

Dry Disconnect Couplings



When Your Product Is:

- Expensive
- Expensive to clean up
- Expensive to reprocess or dispose
- Hazardous to workers or the environment
- Prone to accidental spillage and product loss

Application

- Dry disconnect couplings are designed for quick and spill-free connection and disconnection of hoses and pipelines. They are used by producers of ink, adhesives, fatty acids, pharmaceuticals, liquid soaps, petroleum, chemicals, agriculture, and a wide variety of common caustic and speciality acids.

Features

- Easy to handle - push & turn - free flow, turn & pull - closed
- Time-saving - no need to drain hoses or pipe systems
- Economical - no loss or spillage of liquids at connection or disconnection
- Safety - the valve cannot be opened until the unit is coupled
- Environmentally friendly - accidental spillage is eliminated when properly used
- Safe & reliable - due to rugged construction
- Product life - uncomplicated design and high-quality materials ensure long product life
- Selectivity - to avoid product contamination, selective versions of the couplers and adaptors are available
- Produced according to NATO standard STANAG 3756 & ATOFINA SGM 2049.TUY.C
- Interchanges with Avery Hardoll and Todo-matic®

Working Pressure

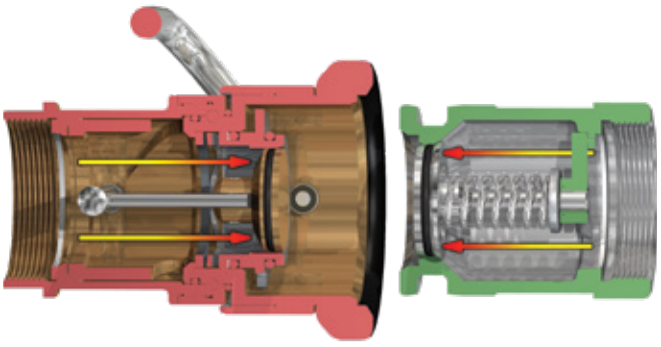
- Aluminium up to 100mm (4") 230 PSI @ 21°C
- Brass/gunmetal up to 100mm (4") 230 PSI @ 21°C
- Stainless steel 360 PSI @ 21°C

Seals

- FKM is the standard
- Also available - EPDM, Nitrile Buna, Kalrez®, Chemraz®
- Seal kits are available

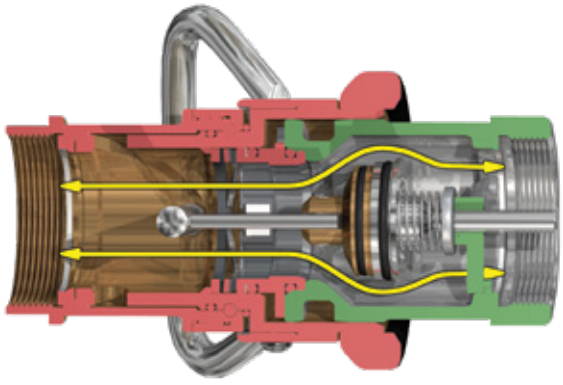
How It Works

The principle of operation is identical for all sizes of couplings.



Closed

Turn and pull it's released - no spillage



Open

Push and turn it's coupled - full flow

Dry Disconnect Coupler - Hose Unit

Design

- Coupler has a built-in swivel
- Riveted piston pin to minimise the risk of failure under extreme pressure conditions

Materials

- Stainless steel ball bearings
- Shaft journal in stainless steel embedded in PTFE to eliminate seizure
- Protecting ring is weather-resistant rubber
- Electrically conductive
- All wetted parts are stainless steel
- Rollers for the aluminium and brass units are aluminium-bronze on the stainless steel shaft
- Composite (polyethylene) plugs provide very good protection against corrosion and withstand hot and cold environments

Seals

- FKM is the standard

Female NPT with FKM Seals

Female Thread		Part Numbers			Body Size (mm)
DN	inch	316 Stainless Steel	Anodised Aluminium	Brass/Gunmetal	
20	¾	DDC075SS	DDC075AL	DDC075BR	56
25	1	DDC100SS	DDC100AL	DDC100BR	56
40	1½	DDC150SS	DDC150AL	DDC150BR	70
50	2	DDC200SS	DDC200AL	DDC200BR	70
65	2½	DDC250SS	DDC250AL	DDC250GM	105
80	3	DDC300SS	DDC300AL	DDC300GM	119
100	4	DDC400SS	DDC400AL	DDC400GM	164
150	6	DDC600SS	DDC600AL	-	238

Product Group: AS01



¾" & 1" Design



1½" & 2" Design

Female BSP with FKM Seals

Female Thread		Part Numbers		Body Size (mm)
DN	inch	316 Stainless Steel	Anodised Aluminium	
20	¾	DDC075SSA	DDC075ALA	56
25	1	DDC100SSA	DDC100ALA	56
40	1½	DDC150SSA	DDC150ALA	70
50	2	DDC200SSA	DDC200ALA	70
65	2½	DDC250SSA	DDC250ALA	105
80	3	DDC300SSA	DDC300ALA	119
100	4	DDC400SSA	DDC400ALA	164
150	6	DDC600SSA	DDC600ALA	238

Product Group: AS01



3" & 4" Design

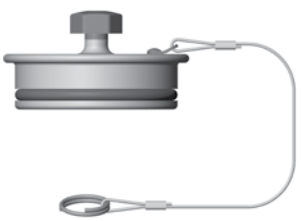


6" Design

Dust Plugs for Couplers

Coupler Size		Part Numbers			Body Size (mm)
DN	inch	Polyethylene	Stainless Steel	Aluminium	
20	¾ & 1	DDDP075	DDDP075SS	DDDP075AL	56
40	1½ & 2	DDDP150	DDDP150SS	DDDP150AL	70
50	2½	DDDP250	DDDP250SS	DDDP250AL	105
65	3	DDDP300	DDDP300SS	DDDP300AL	119
80	4	DDDP400	DDDP400SS	DDDP400AL	164
150	6	DDDP600	DDDP600SS	DDDP600AL	238

Product Group: AS01



Dry Disconnect Adaptor - Tank Unit

Application

- The adaptor is typically on the tank or manifold. Available in male and female BSP, NPT, or 150# ASA flange (ANSI), and TTMA flange.

Design

- Conical valve seat to eliminate the risk of 'piston blowout'
- PTFE bearing between the piston shaft and the piston guide to eliminate the risk of seizure

Materials

- Aluminium adaptor - aluminium poppet, stainless steel internal parts
- Stainless steel adaptor - stainless steel poppet, stainless steel internal parts
- Brass/gunmetal adaptor - brass poppet, brass, and stainless steel internal parts
- Composite (polyethylene) caps provide very good protection against corrosion and withstand hot and cold environments



Female NPT x Adaptor
316 Stainless Steel

Adaptor x Female NPT with FKM Seals

Female Thread		Part Numbers			Body Size (mm)
DN	inch	316 Stainless Steel	Anodised Aluminium	Brass/Gunmetal	
20	¾	DDA075SS	DDA075AL	DDA075BR	56
25	1	DDA100SS	DDA100AL	DDA100BR	56
40	1½	DDA150SS	DDA150AL	DDA150BR	70
50	2	DDA200SS	DDA200AL	DDA200BR	70
65	2½	DDC250SS	DDC250AL	DDA250GM	105
80	3	DDA300SS	DDA300AL	DDA300GM	119
100	4	DDA400SS	DDA400AL	DDA400GM	164
150	6	DDA600SS	DDA600AL	-	238

Product Group: AS01



Female BSP x Adaptor
316 Stainless Steel

Adaptor x Female BSP with FKM Seals

Female Thread		Part Numbers			Body Size (mm)
DN	inch	316 Stainless Steel	Anodised Aluminium	Brass/Gunmetal	
20	¾	DDA075SSA	DDA075ALA	-	56
25	1	DDA100SSA	DDA100ALA	-	56
40	1½	DDA150SSA	DDA150ALA	-	70
50	2	DDA200SSA	DDA200ALA	-	70
65	2½	DDA250SSA	DDA250ALA	-	105
80	3	DDA300SSA	DDA300ALA	-	119
100	4	DDA400SSA	DDA400ALA	-	164
150	6	DDA600SSA	DDA600ALA	-	238

Product Group: AS01



150# Flange x Adaptor
Aluminium

Adaptor x 150# ASA (ANSI) Flange with FKM Seals

Adaptor/Flange Size		Part Numbers			Body Size (mm)
DN	inch	316 Stainless Steel	Anodised Aluminium	Brass/Gunmetal	
20	¾	DDA075SSFL	DDA075ALFL	DDA075BRFL	56
25	1	DDA100SSFL	DDA100ALFL	DDA100BRFL	56
40	1½	DDA150SSFL	DDA150ALFL	DDA150BRFL	70
50	2	DDA200SSFL	DDA200ALFL	DDA200BRFL	70
65	2½	DDC250SSFL	DDC250ALFL	DDA250GMFL	105
80	3	DDA300SSFL	DDA300ALFL	DDA300GMFL	119
100	4	DDA400SSFL	DDA400ALFL	DDA400GMFL	164
150	6	DDA600SSFL	DDA600ALFL	-	238

Product Group: AS01

Adaptor x TTMA Flange with FKM Seals

Adaptor/Flange Size		Part Numbers	Body Size (mm)
DN	inch	Anodised Aluminium	
80	3	DDA300AL105TTMA	105
80	3	DDA300AL119TTMA	119
100	4	DDA400AL164TTMA	164

Product Group: AS01



TTMA Flange x Adaptor

Dust Caps for Adaptors

Adaptor Size		Part Numbers				Body Size (mm)
DN	inch	Polyethylene	Stainless Steel	Aluminium	Pressure Cap	
20	¾ & 1	DDDC075	DDDC075SS	DDDC075AL	-	56
40	1½ & 2	DDDC150	DDDC150SS	DDDC150AL	DDDC150PR	70
50	2½	DDDC250	DDDC250SS	DDDC250AL	DDDC250PR	105
65	3	DDDC300	DDDC300SS	DDDC300AL	DDDC300PR	119
80	4	DDDC400	DDDC400SS	DDDC400AL	DDDC400PR	164
150	6	DDDC600	DDDC600SS	DDDC600AL	-	238

Product Group: AS01



Dry Aviation Coupler - Hose Unit

Application

- Dry aviation couplings are designed for use in aviation and military refuelling systems.

Design

- Not configured for underwing refuelling
- Riveted piston pin to minimise the risk of failure under extreme pressure conditions

Materials

- Coupling ring - gunmetal
- Bayonet flange and inner parts - stainless steel and aluminium
- Stainless steel ball bearings
- Gunmetal coupling ring minimises the risk of seizure
- Stainless steel shaft journal embedded in PTFE to eliminate seizure
- PTFE bearings between the driving plate and the piston guide eliminate the risk of seizure
- Plugs in composite (polyethylene), provide very good protection against corrosion and withstand both hot and cold environments
- The protective ring is a specially formulated, weather resistant and electrically conductive rubber compound

Approvals

- Manufactured to accept international standard 65mm (2½") point bayonet, hose end refuelling nozzles according to ISO45/MS24484/ STANAG3105/British Aerospace Spec. 2C14

Working Pressure

- 150 PSI

Coupler x Female Thread with FKM Seals

Female Thread		Part Numbers		Body Size Suits	Material
DN	inch	Female NPT	Female BSP		
65	2½	DAC250AL	DAC250ALBSP	ISO 45	Aluminium
80	3	DAC300AL	DAC300ALBSP	ISO 45	Aluminium

Product Group: AS01



Female Thread x Coupler

Dry Aviation - Sight Flow Indicator with Filter/Screen

Design

- Filter/screen can be inspected through the sight glass and is easily removed if cleaning is required

Materials

- Screen - 100 mesh



Female Thread		Male Thread		Part Numbers	Material
DN	inch	DN	inch		
65 NPT	2½ NPT	65 BSP	2½ BSP	ASFI25T25B	Aluminium
80 NPT	3 NPT	80 BSP	3 BSP	ASFI30T30B	Aluminium
65 NPT	2½ NPT	65 NPT	2½ NPT	ASFI25T25T	Aluminium
80 NPT	3 NPT	80 NPT	3 NPT	ASFI30T30T	Aluminium

Product Group: AS01



Dust Plug for Couplers

Size		Part Number	Body Size Suits	Material
DN	inch			
65 & 80	2½ & 3	DADP250	ISO 45	Polyethylene

Product Group: AS01

Dry Aviation Adaptor - Tank Unit

Application

- Dry Aviation Couplings are designed for use in aviation and military refuelling systems.

Design

- Not configured for underwing refuelling

Materials

- Body - high strength aluminium, stainless steel also available
- Coupling ring - gunmetal
- Bayonet flange and inner parts - stainless steel and aluminium
- All wetted parts are in aluminium and stainless steel
- Gunmetal coupling ring minimises the risk of seizure
- PTFE bearings between the piston shaft & the piston guide eliminate the risk of seizure
- The conical valve seat eliminates the risk of piston blow-out when extreme pressure is used
- Composite (polyethylene) cap provides good protection against corrosion and withstands both hot and cold environments

Approvals

- Manufactured to accept international standard 65mm (2½") point bayonet, hose end refuelling nozzles according to ISO45/MS24484/ STANAG3105/British Aerospace Spec. 2C14

Working Pressure

- 150 PSI



Adaptor x Female NPT

Adaptor x Female NPT with FKM Seals

Female Thread		Part Numbers	Body Size Suits	Material
DN	inch			
65	2½	DAA250AL	ISO 45	Aluminium
80	3	DAA300AL	ISO 45	Aluminium

Product Group: AS01



Adaptors x 150# ASA

Adaptor x 150# ASA (ANSI) Flange with FKM Seals

Adaptor/Flange Size		Part Numbers	Body Size Suits	Material
DN	inch			
65	2½	DAA250ALFL	ISO 45	Aluminium
80	3	DAA300ALFL	ISO 45	Aluminium

Product Group: AS01

Dry Aviation Dust Cap for Couplers

Size		Part Number	Body Size Suits	Material
DN	inch			
65 & 80	2½ & 3	DADC250	ISO 45	Polyethylene

Product Group: AS01



Dry Disconnect Fittings for Steam Service

Application

- Designed to fit hoses carrying steam used in chemical (heating), pharmaceutical (disinfection and sterilisation) and at loading bays.

Materials

- Coupling housing and all inner parts are stainless steel
- Seals are EPDM (standard), contact Dixon™ for other materials

Features

- Unintentional separation is eliminated preventing accidents and avoiding unintended down-time
- Performance unaffected by surface rust
- Lockable versions are available, contact Dixon™ for more information

Female NPT

Female Thread		Part Numbers		Body Size (mm)
DN	inch	Coupler	Adaptor	
20	¾	DDSC075SS	DDSA075SS	56
25	1	DDSC100SS	DDSA100SS	56
40	1½	DDSC150SS	DDSA150SS	70
50	2	DDSC200SS	DDSA200SS	70

Product Group: AS01



Female Thread x Coupler



Female Thread x Adaptor

Dry Gas Couplers - Hose Unit

Application

- Dry Gas Couplings are designed for safe loading and discharge of bobtails or intermediate bulk delivery trucks. They are quick and easy to connect and can be connected to a tank unit with pressures up to 225 PSI. If the pressure is higher you can equip the couplings with a pressure relief valve. The easy-to-connect pressure relief valve dissipates trapped fluid pressure into the hose coupler without spillage. The primary application of dry gas couplings is in the handling of LPG, Propane and Butane.

Design

- Safe handling of LPG
- Easy to use and saves time
- Reliable and easy to maintain
- Can be coupled against higher pressure
- Minimises the risk of cold burns
- Minimises spillage and product loss
- Minimises health risks
- Keeps the environment free of hazardous vapours and liquids
- Compatible with existing dry disconnect couplings

Materials

- Stainless steel and brass/gunmetal
- NBR90 seals
- Female NPT and ASA (ANSI) flanges
- Caps and plugs in composite (polyethylene), provide very good protection against corrosion, and withstand both hot and cold environments

Working Pressure

- 360 PSI

Coupler x Female NPT with NBR90 Seals

Female Thread		Part Numbers	Body Size (mm)	Material
DN	inch			
25	1	DGC100SS	56	Stainless steel
50	2	DGC200SS	71	Stainless steel
80	3	DGC300SS	119	Stainless steel

Product Group: AS01





Dust Plug for Couplers

Size		Part Numbers	Body Size (mm)	Material
DN	inch			
25	1	DGDP100	56	Polyethylene
50	2	DGDP200	71	Polyethylene
80	3	DGDP300	119	Polyethylene

Product Group: AS01

Dry Gas Adaptors - Tank Unit



Adaptors x Female NPT with NBR90 Seals

Female Thread		Part Numbers	Body Size (mm)	Material
DN	inch			
25	1	DGA100SS	56	Stainless steel
50	2	DGA200SS	71	Stainless steel
80	3	DGA300SS	119	Stainless steel

Product Group: AS01



Adaptors x Female ACME Thread with FKM Seals

Female Thread		Part Numbers	Body Size (mm)	Material
DN	inch			
45	1¾	DGA100SS175	56	Stainless steel
83	3¼	DGA200SS325	71	Stainless steel

Product Group: AS01



Adaptors x 150# ASA (ANSI) Flange with NBR90 Seals

Adaptor/Flange Size		Part Numbers	Body Size (mm)	Material
DN	inch			
25	1	DGA100SSFL	56	Stainless steel
50	2	DGA200SSFL	71	Stainless steel
80	3	DGA300SSFL	119	Stainless steel

Product Group: AS01



Dust Cap for Adaptors

Size		Part Numbers	Body Size (mm)	Material
DN	inch			
25	1	DGDC100	56	Rubber
50	2	DGDC200	71	Rubber
80	3	DGDC300	119	Rubber

Product Group: AS01

Liquid Natural Gas Couplings

Application

- Safe and reliable transfer of cryogenic liquefied natural gas (LNG) products to transport equipment such as cargo tanks, portable tanks, and liquefied natural gas liquid production facilities.

Features

- Fixed-end design threads on tank truck pipe connection line, manifold, pipe outlet, or pipe connection
- PTFE gasket reduces the force needed to make a tight connection
- Connect by hammering the Acme threaded nut onto a fixed end
- Hose end designed female NPT thread attached to hose end
- Snap ring keeps connection nut in place for easier connecting
- Hose end lugs intended to be struck with a non-sparking hammer or similar non-sparking device

Specifications

- Compatible with LNG coupling made to CGA guidelines
- Temperature as low as -196C (-320°C) at standard LNG transfer pressures
- 450 PSI working pressure with a 4:1 safety factor

Approval

- Meets CGA V-6 LNG-30 guidelines

Materials

- Body: Brass
- Seal: PTFE

Fixed End with Cap



LNG30BRFE-NC

LNGBRFECAP

LNG30FESEAL

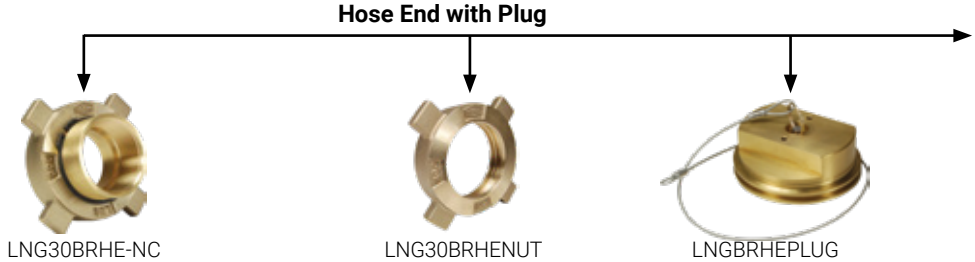


LNG30BRFE
Fixed End with Cap

Size (mm)		Part Numbers	Description
mm	inch		
50	2	LNG20BRFE	LNG30 Fixed end with 2" female NPT thread/cap & retaining cable
80	3	LBG30BRFE	LNG30 fixed end with 3" female NPT thread/cap & retaining cable
80	3	LNG30BRFE-NC	LBG30 fixed end with 3" female NPT thread
80	3	LNG30FESEAL	LNG30 PTFE seal
-	-	LNGBRFECAP	Cap for LNG30BRFE & LNG20BRFE

Product Group: AS11

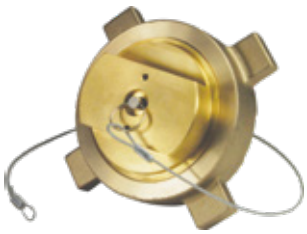
Hose End with Plug



LNG30BRHE-NC

LNG30BRHENUT

LNGBRHEPLUG



LNG30BRHE
Hose End with Plug

Size (mm)		Part Numbers	Description
mm	inch		
50	2	LNG20BRHE	LNG30 hose end with 2" female NPT thread/with plug & retaining
50	2	LNG20BRHE-NC	LNG20 hose end with 2" female NPT thread
80	3	LNG30BRHE	LNG30 hose end with 3" female NPT thread/with plug & retaining
80	3	LNG30BRHE-NC	LNG30 hose end with 3" female NPT thread
80	3	LNG30BRHENUT	LNG30 swivel nut
-	-	LNGBRHEPLUG	Plug for LNG30BRHE & LNG20BRHE

Product Group: AS11

Bayloc™ Dry Break Cam & Groove Disconnect Couplings - Couplers

Application

- Fully interchangeable with Kamvalok (OPW trademark) style fittings.

Design

- Dixon™ EZ Boss-Lock™ cam arms standard on all 40mm (1½") and 50mm (2") fittings provide high security from accidental opening due to vibration or snagging
- Large paddle-type locking cam arms standard on 80mm (3") fittings allow for an easy grip
- Dry disconnect coupler has an automatic closing poppet assembly
- Strong handle attachment prevents bending of the crank assembly

Materials

- Heavy-duty stainless steel crank and link
- Stainless steel investment cast handles
- Aluminium fittings have stainless steel internals

Notes

- Must be used with a DBA-style adaptor for the coupler to operate. Adaptor sold separately
- FFPM gasket, main seal O-ring and handle O-ring/ PTFE seals on cylinder assembly, stuffing box, and seal under poppet screw
- Stainless steel corrosion resistance is equivalent to 304 stainless steel



1½" & 2" Coupler x Female NPT



3" Coupler x Female NPT

Female Thread		Coupler Size		Part Numbers				Seal Material
				Aluminium		Stainless Steel		
mm	inch	mm	inch	NPT	BSP	NPT	BSP	
40	1½	50	2	DBC61-150	-	DBC71-150	DBC71-150-BSP	Nitrile Buna Rubber
50	2	65	2½	DBC61-200	-	DBC71-200	-	Nitrile Buna Rubber
80	3	100	4	DBC61-300	-	DBC71-300	DBC71-300-BSP	Nitrile Buna Rubber
40	1½	50	2	DBC62-150	-	DBC72-150	-	FKM
50	2	65	2½	DBC62-200	-	DBC72-200	-	FKM
80	3	100	4	DBC62-300	-	DBC72-300	-	FKM
40	1½	50	2	DBC63-150	-	DBC73-150	DBC73-150-BSP	PTFE encapsulated silicone & FFPM
50	2	65	2½	DBC63-200	DBC63-200-BSP	DBC73-200	DBC73-200-BSP	PTFE encapsulated silicone & FFPM
80	3	100	4	DBC63-300	-	DBC73-300	DBC73-300-BSP	PTFE encapsulated silicone & FFPM
40	1½	50	2	DBC64-150	-	DBC74-150	-	EPT
50	2	65	2½	DBC64-200	-	DBC74-200	-	EPT
80	3	100	4	DBC64-300	-	DBC74-300	-	EPT
40	1½	50	2	-	-	DBC76-150	-	FFPM & PTFE
50	2	65	2½	DBC66-200	-	DBC76-200	-	FFPM & PTFE
80	3	100	4	-	-	DBC76-300	-	FFPM & PTFE
40	1½	50	2	-	-	DBC77-150	-	PTFE encapsulated FKM & FFPM
50	2	65	2½	-	-	DBC77-200	-	PTFE encapsulated FKM & FFPM
80	3	100	4	-	-	DBC77-300	-	PTFE encapsulated FKM & FFPM
80	3	100	4	DBC69-300	-	DBC79-300	-	FKM-B

Product Group: AS02

Greaseless Coupler x Female NPT

Material

- Stainless steel

Female Thread		Coupler Size		Part Numbers	Seal Material
mm	inch	mm	inch		
40	1½	50	2	DBC77-150-GL	PTFE encapsulated FKM & FFPM
50	2	65	2½	DBC77-200-GL	PTFE encapsulated FKM & FFPM

Product Group: AS02

Coupler x 90° Swivel Female NPT

Material

- Aluminium

Female Thread		Coupler Size		Part Numbers	Seal Material
mm	inch	mm	inch		
50	2	65	2½	DBS61-200	Nitrile Buna Rubber
50	2	65	2½	DBS62-200	FKM
50	2	65	2½	DBS63-200	PTFE encapsulated silicone & FFPM

Must be used with a DBA style adaptor for the coupler to operate
Adaptor sold separately

Product Group: AS02



Dust Plugs for Couplers

Size		Part Numbers	
mm	inch	Aluminium	Stainless Steel
50	2	ALDC200DP	SS200DP
65	2½	ALDC250DP	SS250DP
100	4	ALDC400DP	SS400DP

Product Group: AS05



Lock Kit for Couplers

Size		Part Numbers	Material	Description
mm	inch			
40 & 50	1½ & 2	DBCL-200	Aluminium	For use with dry disconnect couplers
80	3	DBCL-300	Aluminium	For use with dry disconnect couplers

Product Group: AS02



Seeking ***effective preventive measures*** to avoid major leakages?

Choose Bayloc® Cam & Groove Dry Disconnect.



Dry Break Cam & Groove Disconnect Couplings - Adaptors

Application

- Compatible with most cam and groove style dry disconnects. Fully interchangeable with Kamvalok (OPW trademark) style fittings.

Design

- The Bayco™ dry disconnect helps prevent spillage from normal or accidental disconnects
- It has a spring-loaded sealing device designed to "snap" closed should the valve become disconnected with the poppet open, significantly limiting liquid loss
- Two-piece adaptor design for the easy rebuilding of adaptors
- Aluminium fittings have aluminium nose pieces and brass piston

Notes

- Stainless steel corrosion resistance is equivalent to 304 stainless steel
- Contact Dixon™ for compatibility, size, and material selection
- Special configurations can be designed for your application

Materials



1½" & 2" Adaptor x Female NPT



3" Adaptor x Female NPT

Female Thread		Coupler Size		Part Numbers				Seal Material
				Aluminium		Stainless Steel		
mm	inch	mm	inch	NPT	BSP	NPT	BSP	
40	1½	50	2	DBA11-150	-	DBA71-150	DBA71-150-BSP	Nitrile Buna Rubber
50	2	65	2½	DBA11-200	-	DB711-200	-	Nitrile Buna Rubber
80	3	100	4	DBA11-300	-	DBA71-300	DBA71-300-BSP	Nitrile Buna Rubber
40	1½	50	2	DBA12-150	-	DBA72-150	-	FKM
50	2	65	2½	DBA12-200	DBA12-200-BSP	DBA72-200	-	FKM
80	3	100	4	DBA12-300	DBA12-300-BSP	DBA72-300	-	FKM
40	1½	50	2	DBA63-150	-	DBA73-150	-	PTFE Encapsulated Silicone
50	2	65	2½	DBA63-200	-	DBA73-200	DBA73-200-BSP	PTFE Encapsulated Silicone
80	3	100	4	DBA63-300	-	DBA73-300	DBA73-300-BSP	PTFE Encapsulated Silicone
40	1½	50	2	DBA64-150	-	DBA74-150	-	EPT
50	2	65	2½	DBA64-200	-	DBA74-200	-	EPT
80	3	100	4	DBA64-300	-	DBA74-300	-	EPT
40	1½	50	2	DBA66-150	-	DBA76-150	-	FFPM
50	2	65	2½	DBA66-200	-	DBA76-200	-	FFPM
80	3	100	4	DBA66-300	-	DBA76-300	-	FFPM
40	1½	50	2	DBA69-300	-	-	-	PTFE Encapsulated FKM
50	2	65	2½	-	-	DBA77-150	-	PTFE Encapsulated FKM
80	3	100	4	-	-	DBA77-200	DBA77-200	PTFE Encapsulated FKM
80	3	100	4	-	-	DBA77-300	-	PTFE Encapsulated FKM

Product Group: AS02

Vapour Adaptor x Female NPT (Stainless Steel)



Material

- Stainless steel

Female Thread		Adaptor Size		Part Number	Working Pressure (PSI)	Seal Material
mm	inch	mm	inch			
50	2	80	3	DBAV73-2030	150	PTFE

Product Group: AS02

Adaptor x 150# ASA Flange



Material

- Stainless steel

Flange Size		Adaptor Size		Part Numbers	Seal Material
mm	inch	mm	inch		
50	2	50	2	DBAF72-1520	FKM
50	2	65	2½	DBAF72-200	FKM
80	3	100	4	DBAF72-300	FKM
50	2	50	2	DBAF73-1520	PTFE Encapsulated Silicone
50	2	65	2½	DBAF73-200	PTFE Encapsulated Silicone
80	3	100	4	DBAF73-300	PTFE Encapsulated Silicone
50	2	50	2	DBAF74-1520	EPT
50	2	65	2½	DBAF74-200	EPT
80	3	100	4	DBAF74-300	EPT
50	2	50	2	DBAF76-1520	FFPM
50	2	65	2½	DBAF76-200	FFPM
80	3	100	4	DBAF76-300	FFPM

Product Group: AS02

Dust Caps for Couplers

Size		Part Numbers	
mm	inch	Aluminium	Stainless Steel
50	2	ALDC200DC	SS200DC
65	2½	ALDC250DC	SS250DC
100	4	ALDC400DC	SS400DC

Product Group: AS02



Stainless Steel

Dry Break Bayonet Style

Application

- For the spill-less transfer of petroleum products such as fuel oil, lube oil blending, and tank truck delivery.

Operating Pressure

- Maximum operating pressure 85 PSI @ 21°C

Features

- Ensures a spill-free connection, fluid cannot flow until couplings are connected and the valve is opened
- The coupling cannot be disconnected until the valve handle is closed
- Swivels have standard ZERK fittings
- Replacement parts available

90° Swivel Coupler x Female NPT

Size		Part Numbers	Seal Material	Material
mm	inch			
50	2	BS61-200	Nitrile Buna	Anodised hard coat aluminium
50	2	BS62-200	FKM	Anodised hard coat aluminium
80	3	BS61-300	Nitrile Buna	Anodised hard coat aluminium
80	3	BS62-300	FKM	Anodised hard coat aluminium

Product Group: AS05



50mm (2")



80mm (3")



Straight Coupler x Female NPT

Female Thread		Part Numbers	Seal Material	Material
mm	inch			
50	2	BC61-200	Nitrile Buna	Anodised hard coat aluminium
50	2	BC62-200	FKM	Anodised hard coat aluminium

Product Group: AS05



50mm (2")

Straight Swivel Coupler x Female NPT

Female Thread		Part Numbers	Seal Material	Material
mm	inch			
50	2	BSS61-200	Nitrile Buna	Anodised hard coat aluminium
50	2	BSS62-200	FKM	Anodised hard coat aluminium
80	3	BSS61-300	Nitrile Buna	Anodised hard coat aluminium
80	3	BSS62-300	FKM	Anodised hard coat aluminium

Product Group: AS05



80mm (3")

Industrial Safety **Breakaway Couplings**

The Industrial Safety Breakaway Couplings are suitable for a wide range of industrial product transfer applications.

Specifically engineered for reliability, the Industrial Safety Breakaway Couplings are designed to activate when a tensile force is applied, even at an angle of up to 90 degrees from the coupling housing plane.

Dust Plugs

Size		Part Numbers	Material
mm	inch		
50	2	BCP-200	Rubber with stainless steel chain
80	3	BCP-300	Rubber with stainless steel chain

Product Group: AS05



Adaptor x Female NPT

Female Thread		Part Numbers			Seal Material
mm	inch	Stainless Steel	Brass	Aluminium	
50	2	BA31-200	-	-	Nitrile Buna
50	2	BA32-200	-	-	FKM
80	3	-	BA31-300	BA61-300	Nitrile Buna
80	3	-	BA32-300	BA-62-300	FKM

Product Group: AS05



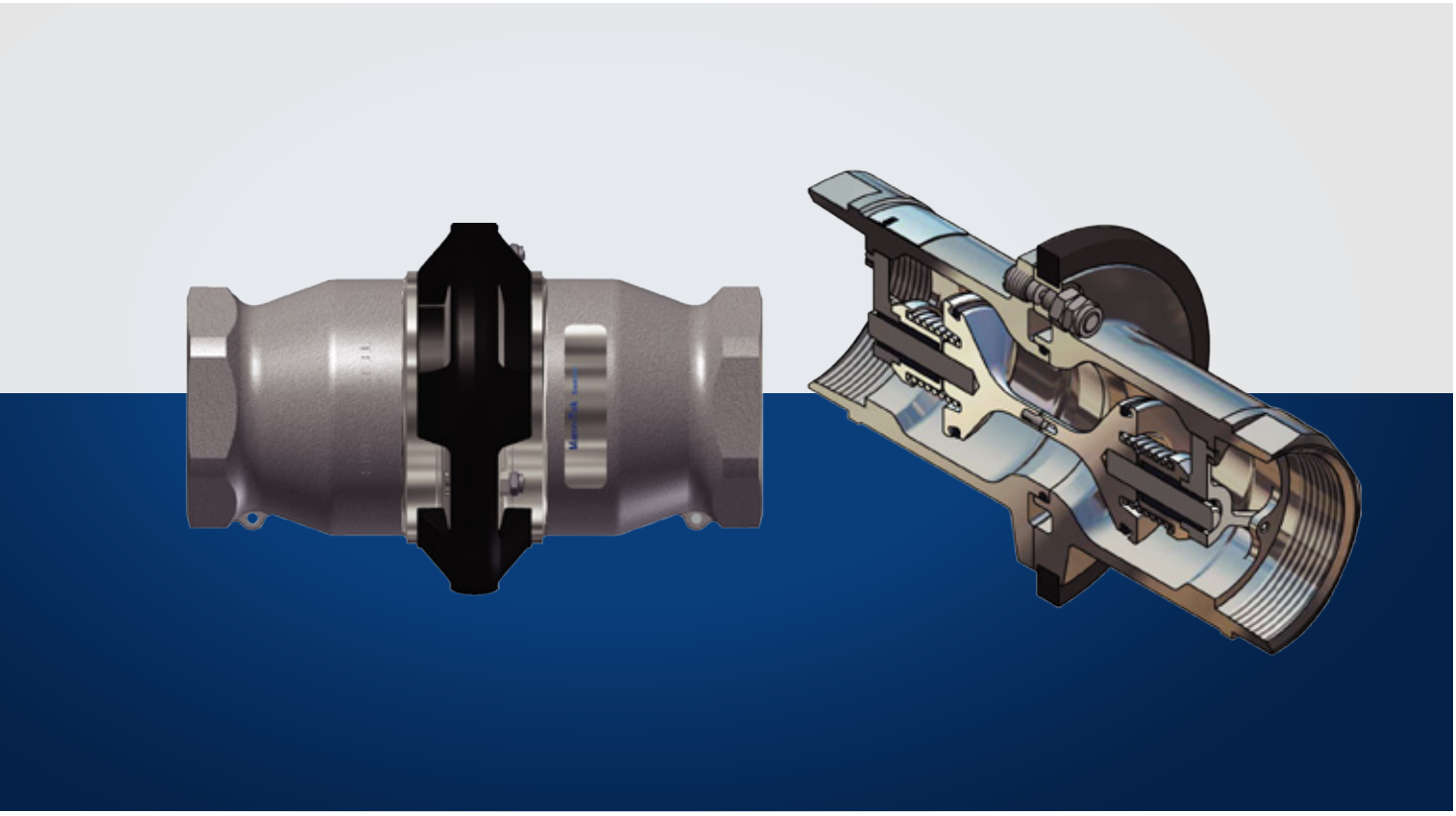
Stainless Steel

Dust Caps

Size		Part Numbers	Material
mm	inch		
50	2	BAC-200	Rubber with stainless steel chain
80	3	BAC-300	Rubber with stainless steel chain

Product Group: AS05





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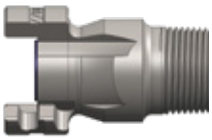
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Pneumatic Quick Couplings

Pneumatic Profile Shape



J-Series	N-Series	P-Series	NK-Series	DF-Series
steel • brass	steel • brass • 303 ss • 316 ss	steel • brass • 303 ss	steel	steel • brass • 303 ss
				
Automotive	Bowes/Dix-Lock™	Thor/Dual-Lock	Japanese Industrial	Industrial Interchange
page 247	page 250	page 254	page 257	page 259



- It is important to be safe when installing quick disconnect couplings into a pneumatic circuit. Never install a pneumatic coupling directly into an air tool, use a piece of hose that is at least 18" long, between the tool and the coupling, to prevent damage to the coupling. To protect the operator, safety devices, such as a safety check valve and safety cable should be installed in case there is a hose or coupling failure

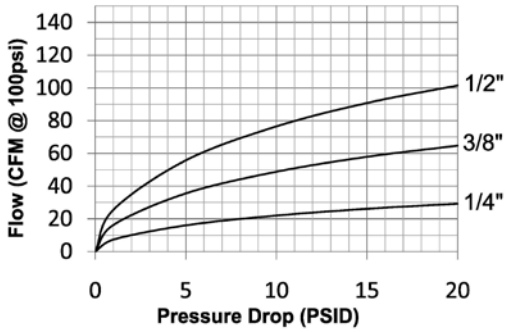
J-Series Truflate Interchange

Application

- Used on large pneumatic hand tools such as hammers, chippers, cable winders, and air impact wrenches.

Materials

- Machined components are manufactured using solid steel or brass bar stock
- Stainless steel balls, retaining rings and springs maximise corrosion resistance and extend the service life
- 1/4" couplers constructed of brass with steel sleeves and steel tubular valves as standard
- 3/8" and 1/2" couplers constructed of steel as standard with steel tubular valves
- Nitrile (Buna-N) seals are standard, temperature range -40°C to 121°C



Specifications

- Rated pressure for connected steel coupler and steel plug:
- 500 PSI (35 bar) maximum working pressure
- 18,000 PSI (1,241 bar) burst pressure

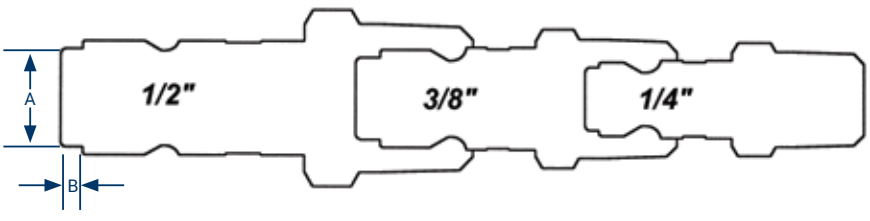
Interchange Data

- Truflate automotive interchange style
- Parker 10-Series
- Rectus 55KM
- Tomco A2100/PT400
- Ryco 200

Size (inch)	Brass Coupler/Steel Plug				Brass Coupler/Plug				Steel Coupler/Plug				303 Stainless Steel Coupler/Plug			
	Max Working		Burst		Max Working		Burst		Max Working		Burst		Max Working		Burst	
	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar
¼	500	35	11500	793	300	20	10500	724	-	-	-	-	-	-	-	-
⅜	-	-	-	-	-	-	-	-	500	35	18000	1241	-	-	-	-
½	-	-	-	-	-	-	-	-	500	35	1000	690	-	-	-	-

J-Series Profiles

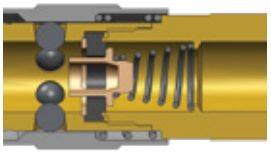
Body Size (inch)	A (mm)	B (mm)
¼	10.67	1.52
⅜	14.22	3.30
½	16.51	3.30



J-Series Truflate Interchange Coupler

Female Thread





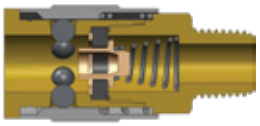
Materials & Sizes

- Brass Body: 1/4" with NPT thread sizes 1/8", 1/4" or 3/8"
- Steel Body: 3/8" with NPT thread sizes 1/4", 3/8" or 1/2"
- Steel Body: 1/2" with NPT thread sizes 3/8", 1/2" or 3/4"

J-Series Truflate Interchange Coupler

Male Thread





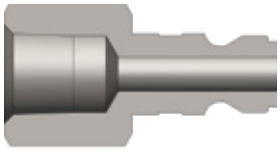
Materials & Sizes

- Brass Body: 1/4" with NPT thread sizes 1/8", 1/4" or 3/8"
- Steel Body: 3/8" with NPT thread sizes 1/4", 3/8" or 1/2"
- Steel Body: 1/2" with NPT thread sizes 3/8", 1/2" or 3/4"

J-Series Truflate Interchange Nipple

Female Thread





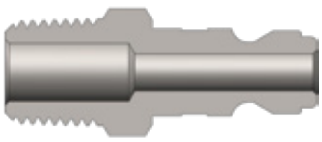
Materials & Sizes

- Brass Body: 1/4" with NPT thread size 1/4"
- Steel Body: 1/4" with NPT thread sizes 1/8", 1/4" or 3/8"
- Steel Body: 3/8" with NPT thread sizes 1/4", 3/8" or 1/2"
- Steel Body: 1/2" with NPT thread sizes 3/8", 1/2" or 3/4"

J-Series Truflate Interchange Nipple

Male Thread





Materials & Sizes

- Brass Body: 1/4" with NPT thread size 1/4"
- Steel Body: 1/4" with NPT thread sizes 1/8", 1/4" or 3/8"
- Steel Body: 3/8" with NPT thread sizes 1/4", 3/8" or 1/2"
- Steel Body: 1/2" with NPT thread sizes 3/8", 1/2" or 3/4"

J-Series Truflate Interchange Coupler

Standard HoseTail

Materials & Sizes

- Brass Body: 1/4" with hose tail to suit hose ID 1/4" or 3/8"
- Steel Body: 3/8" with hose tail to suit hose ID 1/4", 3/8" or 1/2"
- Steel Body: 1/2" with hose tail to suit hose ID 3/8", 1/2" or 3/4"

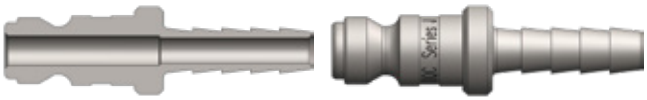


J-Series Truflate Interchange Nipple

Standard Hose Tail

Materials & Sizes

- Steel Body: 1/4" with barb to suit hose ID 1/4" or 3/8"
- Steel Body: 3/8" with barb to suit hose ID 1/4", 3/8" or 1/2"
- Steel Body: 1/2" with barb to suit hose ID 3/8", 1/2" or 3/4"



J-Series Truflate Interchange Part Numbers

Body Size (inch)	Thread Size (inch)	Part Numbers					
		Coupler Female Thread	Coupler Male Thread	Nipple Female Thread	Nipple Male Thread	Coupler Hose Tail	Nipple Hose Tail
¼	⅛:27 NPT	2JF1-B	2JM1-B	J2F1	J2M1	-	-
¼	¼:18 NPT	2JF2-B	2JM2-B	J2F2	J2M2	-	J2S2
¼	¼:18 NPT	2JF2-B	2JM2-B	J2F2-B	J2M1-B	2JS2-B	-
¼	⅜:18 NPT	2JF3-B	2JM3-B	J2F3	J2M3	2JS3-B	J2S3
⅜	¼:18 NPT	3JF2	3JM2	J3F2	J3M2	3JS2	J3S2
⅜	⅜:18 NPT	3JF3	3JM3	J3F3	J3M3	3JS3	J3S3
⅜	½:14 NPT	3JF4	3JM4	J3F4	J3M4	3JS4	J3S4
½	⅜:18 NPT	4FF3	4FM3	J4F3	J4M3	4FS3	J4S3
½	½:14 NPT	4FF4	4FM4	J4F4	J4M4	4FS4	J4S4
½	¾:14 NPT	4FF6	4FM6	J4F6	J4M6	4FS6	J4S6

Refer to our website for full specifications: dixonvalve.com.au

Product Group: AD07

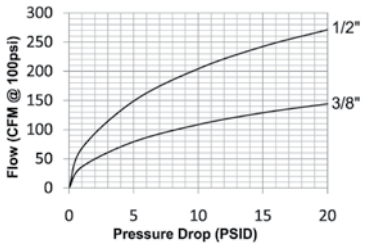
- Operating pressure for couplings utilising hose barb end connections may be dramatically reduced to that of the hose rating and/or hose end connection combination. Consult the hose manufacturer's catalogue for hose end connection ratings. If in doubt, test under controlled conditions for suitability to application. Dixon™ cannot assume liability for misapplication of production resulting in equipment downtime, lost production, and/or personal injury including death

Pneumatic Quick Couplings - N-Series

N-Series Dix-Lock™ Interchange

Application

- Used on large pneumatic hand tools such as hammers, chippers, cable winders, and air impact wrenches. Also widely used in refineries to convey air, water and nitrogen, for military applications such as breathing air, fresh air systems and oil rigs for compression jacks and hand tools.



Materials

- Machined components are manufactured using solid steel, brass or 303 stainless steel bar stock
- Stainless steel balls, retaining rings and springs maximise corrosion resistance and extend the service life
- Stainless steel retaining ring and spring maximise corrosion resistance and extend the service life
- Steel componentry is plated using ROHS-compliant trivalent chrome
- The coupling sleeve is constructed of cast zinc steel
- Dust cap cable with steel cable
- Steel and brass locking versions have an aluminium lock ring while the stainless locking versions has a stainless lock ring
- Nitrile (Buna-N) pneumatically energised seals are standard, temperature range -40°C to 121°C

Interchange Data

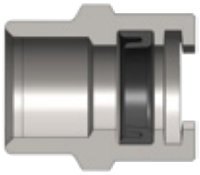
- Bowes Interchange Bayonet Style
- Interchangeable with Bowes 51000-Series, National Series B, MacDonald Quick-Action, and Campbell Single Lock

Specifications

- Rated pressure for connected steel coupler & steel plug:
- - 500 PSI (35 bar) maximum working pressure
- - 18,000 PSI (1,241 bar) burst pressure

Size (inch)	Steel Coupler/Plug				Brass Coupler/Plug				303 Stainless Steel Coupler/Plug			
	Max Working		Burst		Max Working		Burst		Max Working		Burst	
	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar
⅜	500	35	7000	480	-	-	-	-	-	-	-	-
½	500	35	11000	755	300	20	8200	565	500	35	12600	869





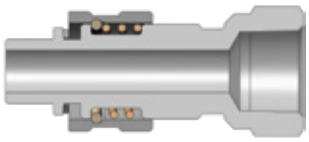
N-Series Dix-Lock™ Coupler

Female Thread

Materials & Sizes

- Brass Body: 1/2" with NPT & BSPP thread sizes 3/8", 1/2", 3/4" or 1"
- Steel Body: 1/2" with NPT thread sizes 3/8", 1/2", 3/4" or 1"
- Stainless Steel Body: 1/2" with NPT thread size 3/4" or 1"



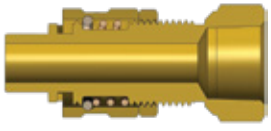


N-Series Dix-Lock™ Nipple

Female Thread

Materials & Sizes

- Brass Body: 1/2" with NPT & BSPP thread sizes 3/8", 1/2", 3/4" or 1"
- Steel Body: 1/2" with NPT thread sizes 3/8", 1/2", 3/4" or 1"
- Stainless Steel Body: 1/2" with NPT thread size 3/4" or 1"





N-Series Dix-Lock™ Safety-Lock Nipple

Female Thread

Materials & Sizes

- Brass Body: 1/2" with NPT thread sizes 1/2" or 3/4"
- Steel Body: 1/2" with NPT thread sizes 1/2" or 3/4"

N-Series Dix-Lock™ Coupler

Male Thread

Materials & Sizes

- Steel Body: 3/8" with NPT & BSPT thread size 1/2"
- Brass Body: 1/2" with NPT & BSPT thread sizes 3/8", 1/2", 3/4" or 1"
- Steel Body: 1/2" with NPT thread sizes 3/8", 1/2" or 1"
- Stainless Steel Body: 1/2" with NPT thread size 3/4" or 1"

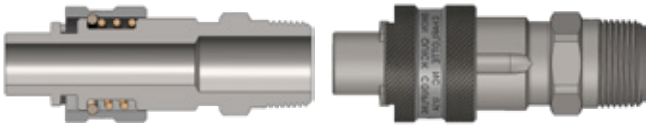


N-Series Dix-Lock™ Nipple

Male Thread

Materials & Sizes

- Steel Body: 3/8" with NPT & BSPT thread size 1/2"
- Brass Body: 1/2" with NPT & BSPT thread sizes 3/8", 3/4" or 1"
- Steel Body: 1/2" with NPT thread sizes 3/8", 1/2", 3/4" or 1"
- Stainless Steel Body: 1/2" with NPT thread size 3/4" or 1"

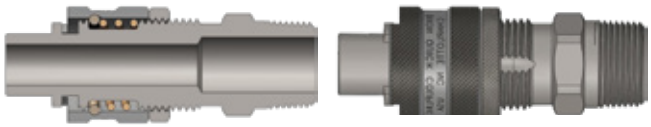


N-Series Dix-Lock™ Safety-Lock Nipple

Male Thread

Materials & Sizes

- Brass Body: 1/2" with NPT & BSPT thread sizes 1/2" or 3/4"
- Steel Body: 1/2" with NPT thread sizes 1/2" or 3/4"
- Stainless Steel Body: 1/2" with NPT thread size 3/4"



N-Series Dix-Lock™ Coupler

Hose Tail

Materials & Sizes

- Steel Body: 3/8" with hose tail to suit hose ID 1/2"
- Steel Body: 1/2" with hose tail to suit hose ID 3/8" to 1"
- Brass Body: 1/2" with hose tail to suit hose ID 3/8" to 1"
- Stainless Steel Body: 1/2" with hose tail to suit hose ID 3/4" or 1"

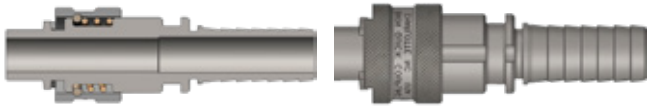


N-Series Dix-Lock™ Nipple

Hose Tail

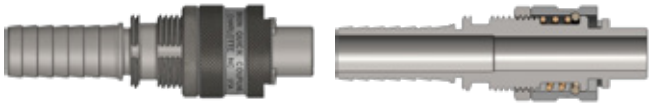
Materials & Sizes

- Steel Body: 3/8" with hose tail to suit hose ID 1/2"
- Steel Body: 1/2" with hose tail to suit hose ID 3/8" to 1"
- Brass Body: 1/2" with hose tail to suit hose ID 3/8" to 1"
- Stainless Steel Body: 1/2" with hose tail to suit hose ID 3/4" or 1"



N-Series Dix-Lock™ Safety-Lock Nipple

Hose Tail



Materials & Sizes

- Steel Body: 1/2" with hose tail to suit hose ID 1/2" or 3/4"
- Brass Body: 1/2" with hose tail to suit hose ID 1/2" or 3/4"
- Stainless Steel Body: 1/2" with hose tail to suit hose ID 3/4"

N-Series Dix-Lock™ Gender-Change Union



Materials & Sizes

- Steel Body: 1/2"

N-Series Dix-Lock™ with Ferrules



Male Head

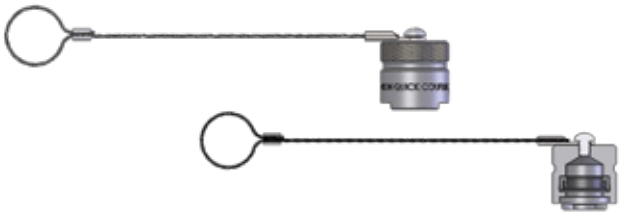


Female Head

Materials & Sizes

- Male Head: Steel/Brass Body: 1/2" with hose tail 1/2" or 3/4"
- Female Head: Steel/Brass Body: 1/2" with hose tail 1/2" or 3/4"

N-Series Dix-Lock™ Protective Nipple Cap



Size (inch)	Part Numbers	Material
½	N4DC	Steel
½	N4BM8-B	Brass

Product Group: AD07

N-Series Dix-Lock™ Replacement Seals



Body Size (inch)	Part Numbers	Coupler Style	Seal Material
⅜	3N-SKIT	All	Nitrile
½	4N-SKIT	All	Nitrile
½	F-4N-SKIT	All	FKM

Product Group: AD07

- It is important to be safe when installing quick disconnect couplings into a pneumatic circuit. Never install a pneumatic coupling directly into an air tool, use a piece of hose that is at least 18" long, between the tool and the coupling, to prevent damage to the coupling. To protect the operator, safety devices, such as a safety check valve and safety cable should be installed in case there is a hose or coupling failure

N-Series Dix-Lock™ Interchange Part Numbers

Body Size (inch)	Thread Size (inch)	Part Numbers					
		Coupler Female Thread	Nipple Female Thread	Safety-Lock Nipple Female Thread	Coupler Male Thread	Nipple Male Thread	Safety-Lock Nipple Male Thread
⅜	½:14 NPT	-	-	-	3NM4	N3M4	-
⅜	½:14 BSPT	-	-	-	3NBM4	N3BM4	-
½	⅜:18 NPT	4NF3	N4F3	-	4NM3	N4M3	-
½	⅜:18 NPT	4NF3-B	N4F3-B	-	4NM3-B	N4M3-B	-
½	⅜:19 BSP	4NBF3	N4BF3	-	4NBM3	N4BM3	-
½	½:14 NPT	4NF4	N4F4	-	4NM4	N4M4	N4M4-LS
½	½:14 NPT	4NF4-B	N4F4-B	N4F4-B-LS	4NM4-B	N4M4-B	N4M4-B-LS
½	½:14 BSP	4NBF4	N4BF4	-	4NBM4	N4BM4	N4BM4-LS
½	½:14 BSP	4NBF4-B	N4BF4-B	-	4NBM4-B	N4BM4-B	-
½	¾:14 NPT	4NF6	N4F6	-	4NM6	N4M6	N4M6-LS
½	¾:14 NPT	4NF6-B	N4F6-B	N4F4-B-LS	4NM6-B	N4M6-B	N4M6-B-LS
½	¾:14 NPT	4NF6-S	N4F6-S	-	4NM6-S	N4M6-S	N4M6-S-LS
½	¾:14 BSP	4NBF6	N4BF6	-	4NBM6	N4BM6	N4BM6-LS
½	¾:14 BSP	4NBF6-B	N4BF6-B	-	4NBM6-B	N4BM6-B	-
½	1:11½ NPT	4NF8	N4F8	-	4NM8	N4M8	-
½	1:11½ NPT	4NF8-B	N4F8-B	-	4NM8-B	N4M8-B	-
½	1:11 BSP	4NBF8	N4BF8	-	4NBM8	N4BM8	-
½	1:11 BSP	4NBF8-B	N4BF8-B	-	4NBM8-B	N4BM8-B	N4BM8-B

Refer to our website for full specifications: dixonvalve.com.au

Product Group: AD07

Body Size (inch)	Hose ID (inch)	Part Numbers					
		Coupler Hose Tail	Nipple Hose Tail	Safety-Lock Nipple Hose Tail	Gender Change Union	Male Head with Ferrules	Female Head with Ferrules
⅜	½	3NCS4	N3CS4	-	-	-	-
½	⅜	4NS3	N4S3	-	-	-	-
½	⅜	4NS3-B	N4S3-B	-	-	-	-
½	½	4NS4	N4S4	N4S4-LS	4N4N	N4S4-WF43	4NS4-WF43
½	½	4NS4-B	N4S4-B	N4S4-B-LS	-	-	-
½	¾	4NS6	N4S6	N4S6-LS	-	N4S6-WF63	4NS6-WF63
½	¾	4NS6-B	N4S6-B	N4S6-B-LS	-	-	-
½	¾	4NS6-S	N4S6-S	N4S6-S-LS	-	-	-
½	1	4NS8	N4S8	-	-	-	-
½	1	4NS8-B	N4S8-B	-	-	-	-
½	1	4NS8-S	N4S8-S	-	-	-	-

Refer to our website for full specifications: dixonvalve.com.au

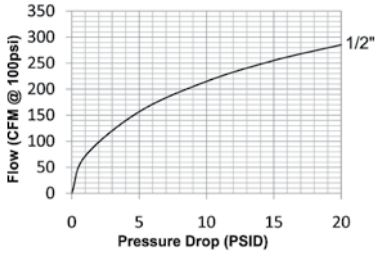
Product Group: AD07

- It is important to be safe when installing quick disconnect couplings into a pneumatic circuit. Never install a pneumatic coupling directly into an air tool, use a piece of hose that is at least 18" long, between the tool and the coupling, to prevent damage to the coupling. To protect the operator, safety devices, such as a safety check valve and safety cable should be installed in case there is a hose or coupling failure

P-Series Dual Lock

Application

- Used on large pneumatic hand tools such as hammers, chippers, cable winders, and air impact wrenches. Also widely used in refineries to convey air, water and nitrogen, for military applications such as breathing air, fresh air systems and oil rigs for compression jacks and hand tools.



Materials

- Machined components are manufactured using solid steel, brass or 303 stainless steel bar stock
- Stainless steel balls, retaining rings and springs maximise corrosion resistance and extend the service life
- Stainless steel retaining ring and spring maximise corrosion resistance and extend the service life
- Steel components are plated using ROHS-compliant trivalent chrome
- The coupling sleeve is constructed of cast zinc steel
- Dust cap cable constructed of stainless steel
- Steel and brass locking versions have an aluminium lock ring while the stainless locking version has a stainless lock ring
- Nitrile (Buna-N) pneumatically energised seals are standard, temperature range -40°C to 121°C

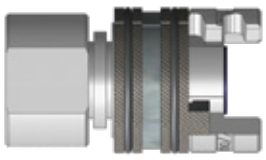
Interchange Data

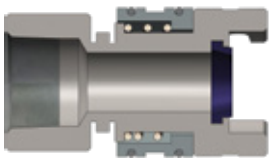
- Thor Finger-Lock interchange
- Interchangeable with Thor PHC-series, National A Type, Dual Lock, Campbell Double-Lock
- US Military MIL-C-3486 and US Government A-A50431A

Specifications

- Working pressure: 300 PSI at ambient temperature 21ºC

Body Size (inch)	Steel Coupler/Plug				Brass Coupler/Plug				303 Stainless Steel Coupler/Plug			
	Max Working		Burst		Max Working		Burst		Max Working		Burst	
	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar
½	300	20	2600	180	300	20	3500	240	300	20	4500	310



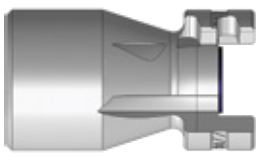


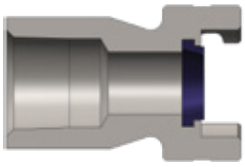
P-Series Dual Lock Coupler

Female Thread

Materials & Sizes

- Steel Body: 1/2" with NPT thread sizes 1/2" or 3/4"
- Brass Body: 1/2" with NPT thread size 3/4"
- Stainless Steel Body: 1/2" with NPT thread size 3/4"



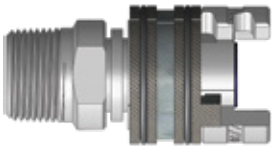


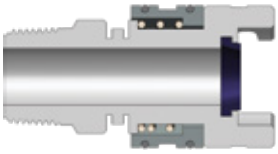
P-Series Dual Lock Nipple

Female Thread

Materials & Sizes

- Steel Body: 1/2" with NPT thread sizes 3/8" to 1"
- Steel/Tefcoat: 1/2" with NPT thread size 3/4"
- Brass Body: 1/2" with NPT thread sizes 1/2" to 1"
- Stainless Steel Body: 1/2" with NPT thread size 3/4"





P-Series Dual Lock Coupler

Male Thread

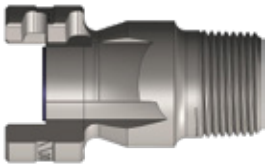
Materials & Sizes

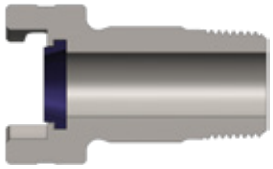
- Steel Body: 1/2" with NPT thread sizes 3/8" to 1"
- Steel/Tefcoat Body: 1/2" with NPT thread size 3/4"
- Stainless Steel Body: 1/2" with NPT thread size 3/4"

NPT is a fuel thread. It will mate with NPT thread but is modified to ensure better pressure tight sealing

P-Series Dual Lock Nipple

Male Thread



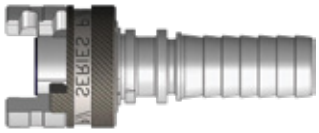


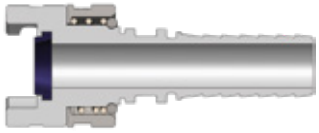
Materials & Sizes

- Steel Body: 1/2" with NPT thread sizes 3/8" to 1"
- Steel/Tefcoat Body: 1/2" with NPT thread size 3/4"
- Brass Body: 1/2" with NPT thread sizes 1/2" to 1"
- Stainless Steel Body: 1/2" with NPT thread size 3/4"

P-Series Dual Lock Coupler

Hose Tail





Materials & Sizes

- Steel Body: 1/2" with hose tails to suit hose ID 3/8" to 1"
- Steel/Tefcoat Body: 1/2" with hose tails to suit hose ID 3/4"
- Brass Body: 1/2" with hose tails to suit hose ID 1/2", 3/4" or 1"
- Stainless Steel Body: 1/2" with hose tails to suit hose ID 3/4"

Dual Lock Coupling with Ferrule

Body Size (inch)	Hose Size (inch)	Part Numbers	To Suit Hose OD
½	½	4PS4-WF43	21mm to 26mm
½	¾	4PS6-WF63	29mm to 34mm

Product Group: AD07



P-Series Dual Lock Replacement Seals

Body Size (inch)	Part Numbers	Seal Material
½	4P-SKIT	Nitrile
½	F-4P-SKIT	FKM

Product Group: AD07



Locking Key

Part Number	Description
4P-CLIP	Fits couplings with locking sleeve

Product Group: AD07



P-Series Dix-Lock™ Interchange Part Numbers

Body Size (inch)	Thread Size (inch)	Part Numbers				
		Coupler Female Thread	Nipple Female Thread	Coupler Male Thread	Nipple Male Thread	Coupler Hose Tail
½	⅜:18 NPT	-	P4F3	4PM3	P4M3	4PS3
½	½:14 NPT	4PF4	P4F4	4PM4	P4M4	4PS4
½	½:14 NPT	4PF6-B	P4F4-B	-	P4M4-B	4PS4-B
½	¾:14 NPT	4PF6	P4F6	4PM6	P4M6	4PS6
½	¾:14 NPT	-	P4F6-9	4PM6-9	P4M6-9	4PS6-9
½	¾:14 NPT	-	P4F6-B	-	P4M6-B	4PS6-B
½	¾:14 NPT	4PF6-S	P4F6-S	4PM6-S	P4M6-S	-
½	1:11½ NPT	-	P4F8	4PM8	P4M8	4PS8
½	1:11½ NPT	-	P4F8-B	-	P4M8-B	4PS8-B

Refer to our website for full specifications: dixonvalve.com.au

Product Group: AD07

Crimped Dix-Lock™ and Dual-Lock Recommendation Guide

Please note that the chart below is to be used only as a guide and not as a steadfast rule for every coupling application. In some instances, alternative dies and crimped dimensions must be employed. Hoses, as well as couplings, react differently during crimping. This is because there are variances in hose constructions for hoses with similar dimensions. Some variables are textile braid vs. wire braid, hardwall vs. softwall, presence or lack of internal spiral wire as well as differences in hose covers. In addition, the outer diameter of the hose tends to fluctuate from end to end and production lot to production lot. With this in mind, we suggest that you measure the hose OD and maintain accurate records for each coupling application.

Hose ID (inch)	Measured Hose OD		Crimp Length	Dix-Lock™ Crimp OD + .005	Crimp Length	Dual-Lock™ Crimp OD + .005
	Fractional	Decimal				
				Part No. QM3WF, QB3WF, QM22WF, QB22WF, QM33WF, QB33WF		Part No. PHL8WF
½	54/64"	0.844	1⅛	0.968	1¼	0.968
½	55/64"	0.859	1⅛	0.968	1¼	0.968
½	56/64"	0.875	1⅛	0.968	1¼	0.968
½	57/64"	0.891	1⅛	1.000	1¼	1.000
½	58/64"	0.906	1⅛	1.000	1¼	1.000
½	59/64"	0.922	1⅛	1.031	1¼	1.031
½	60/64"	0.938	1⅛	1.031	1¼	1.031
½	61/64"	0.953	1⅛	1.062	1¼	1.062
½	62/64"	0.969	1⅛	1.062	1¼	1.062
½	63/64"	0.984	1⅛	1.062	1¼	1.062
½	1"	1.000	1⅛	1.093	1¼	1.093
½	1-1/64"	1.016	1⅛	1.093	1¼	1.093
½	1-2/64"	1.031	1⅛	1.093	1¼	1.093
				Part No. QM4WF, QB4WF, QM23WF, QB23WF, QM44WF, QB44WF		Part No. PHL12WF
¾	1-10/64"	1.156	1¼	1.218	1¼	1.218
¾	1-11/64"	1.172	1¼	1.218	1¼	1.218
¾	1-12/64"	1.188	1¼	1.218	1¼	1.218
¾	1-13/64"	1.203	1¼	1.250	1¼	1.250
¾	1-14/64"	1.219	1¼	1.250	1¼	1.250
¾	1-15/64"	1.234	1¼	1.281	1¼	1.281
¾	1-16/64"	1.250	1¼	1.281	1¼	1.281
¾	1-17/64"	1.266	1¼	1.281	1¼	1.281
¾	1-18/64"	1.281	1¼	1.312	1¼	1.312
¾	1-19/64"	1.297	1¼	1.312	1¼	1.312
¾	1-20/64"	1.313	1¼	1.343	1¼	1.343
¾	1-21/64"	1.328	1¼	1.343	1¼	1.343
¾	1-22/64"	1.344	1¼	1.375	1¼	1.375

Note: Multiply Decimal by 25.4 for OD mm (eg; 0.906 x 25.4 = 23.01mm)

Dixon's™ couplings and retention devices are designed to work safely for their intended use. The selection of the proper hose, coupling and retention devices, and the proper application of the coupling to the hose are of the utmost importance. Users must consider the size, temperature, application, media, pressure and the hose and coupling manufacturer's recommendations when selecting the proper hose assembly components.

Dixon™ recommends that all hose assemblies be tested in accordance with the Rubber Manufacturers Association's recommendations and be inspected regularly (before each use), to ensure that they are not damaged or become loose.

Where safety devices are integral to the coupling, they must be working and utilised. The use of supplementary safety devices, such as safety clips and King™ safety cables, is recommended. If any problem is detected, couplings must be removed from service immediately.

Dixon™ is available to consult, train and recommend the proper selection and application of all fittings we sell. We strongly recommend that distributors and end users make use of Dixon's™ Testing and Recommendations Services. Dixon™ can be contacted at 1300 134 651

NK-Series Nitto Interchange

Applications

- From the air compressor to the pneumatic tool connection, available in various sizes and end connections. Excellent durability in any environment. An excellent general-purpose coupling for connecting air supply to pneumatic tool hose.

Materials

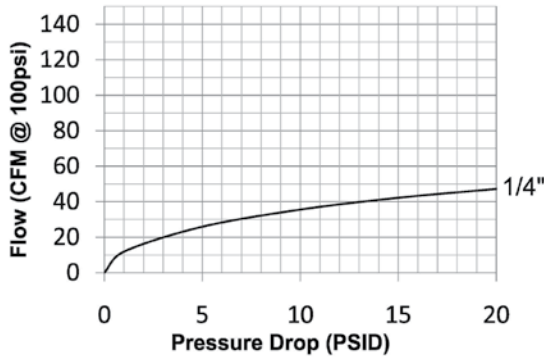
- Machined components are manufactured using solid steel bar stock
- Stainless steel balls, retaining rings and springs maximise corrosion resistance and extend the service life
- Steel componentry is plated using chrome-over-nickel plating
- Available in stainless steel

Seal Components

- Nitrile (Buna-N) seals are standard
- Temperature range: -40°C to 121°C

Interchange Data

- Japanese industrial interchange pneumatic coupling
- Nitto Kohki Hi-Cupla 200
- Rectus Series 13
- CEJN Series 315



Coupler/Plug Rated Pressure Chart

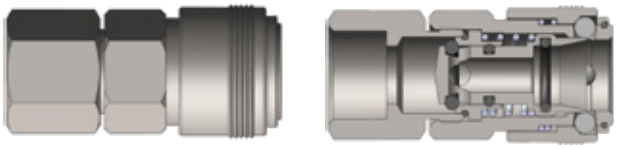
Body Size (inch)	Max Working		Burst	
	PSI	Bar	PSI	Bar
¼	300	20	13500	931
⅜	300	20	13500	931
½	300	20	13500	931

NK-Series Nitto Interchange Coupler

Female Thread

Materials & Sizes

- Steel Body: 1/4" to 1/2" with BSPP thread sizes 1/4" to 1/2"

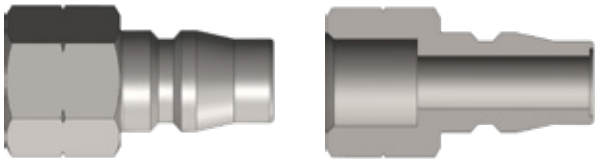


NK-Series Nitto Interchange Nipple

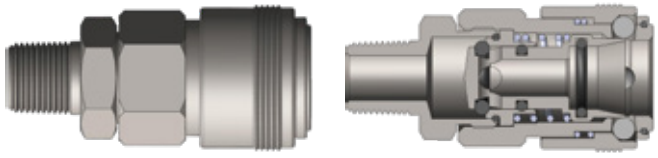
Female Thread

Materials & Sizes

- Steel Body: 1/4" to 1/2" with BSPP thread sizes 1/4" to 1/2"



Pneumatic Quick Couplings - NK-Series

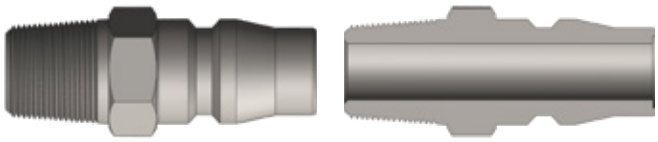


NK-Series Nitto Interchange Coupler

Male Thread

Materials & Sizes

- Steel Body: 1/4" to 1/2" with BSPT thread sizes 1/4" to 1/2"

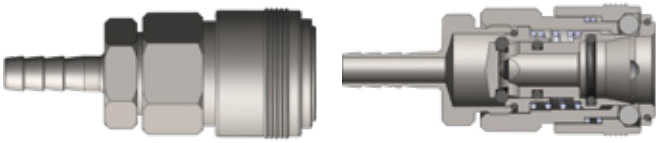


NK-Series Nitto Interchange Nipple

Male Thread

Materials & Sizes

- Steel Body: 1/4" to 1/2" with BSPT thread sizes 1/4" to 1/2"



NK-Series Nitto Interchange Coupler

Hose Tail

Materials & Sizes

- Steel Body: 1/4" to 1/2" with hose tail sizes 1/4" to 1/2"



NK-Series Nitto Interchange Nipple

Hose Tail

Materials & Sizes

- Steel Body: 1/4" to 1/2" with hose tail sizes 1/4" to 1/2"

N-Series Dix-Lock™ Interchange Part Numbers

Body Size (inch)	Threads (inch)	Coupler Female Thread	Nipple Female Thread	Coupler Male Thread	Nipple Male Thread	Coupler Hose Tail	Nipple Hose Tail
¼	¼:19 BSP	20SF	20PF	20SM	20PM	20SH	20PH
⅜	⅜:14 BSP	30SF	30PF	30SM	30PM	30SH	30PH
½	½:14 BSP	40SF	40PF	40SM	40PM	40SH	40PH

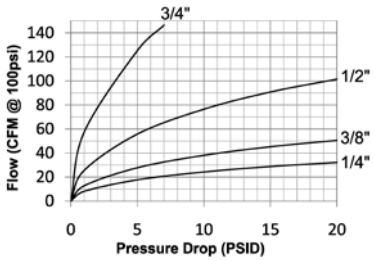
Refer to our website for full specifications: dixonvalve.com.au

Product Group: AP10

DF-Series Industrial Interchange

Materials

- Machined components are manufactured using solid steel, brass, or 303 stainless steel bar stock
- Stainless steel balls, retaining rings and springs maximise corrosion resistance and extend the service life
- Steel componentry is plated using ROHS-compliant trivalent chrome
- Automatic couplers constructed of brass with steel tubular valve as standard (⅜" to ¾" couplers have steel prong valves)
- 1/4" manual couplers constructed of brass with steel sleeve and steel tubular valve as standard
- 3/8" and 1/2" manual couplers constructed of steel as standard with steel tubular valve



Seal Components

- Nitrile (Buna-N) seals are standard
- Temperature range: -40°C to 121°C

Interchange Data

- Parker 20-series manual interchange (F-Series)
- Parker 30-series automatic interchange (D-Series)
- Foster 3, 4, 5 and 6 series
- Hansen 1000, 400, 500 (F-Series)
- Hansen 3000, 4000, 5000, 6000 (D-Series)
- Ryco 300

D-Series Automatic Industrial Interchange

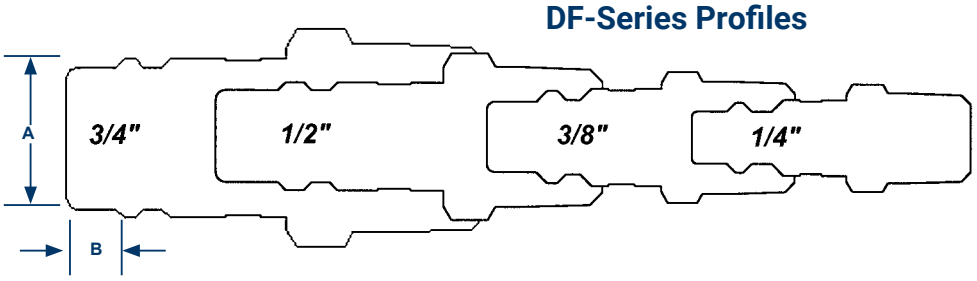
Size (inch)	Brass Coupler/Steel Plug				Brass Coupler/Plug				Steel Coupler/Plug				303 Stainless Steel Coupler/Plug			
	Max Working		Burst		Max Working		Burst		Max Working		Burst		Max Working		Burst	
	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar
¼	500	35	16000	1100	300	20	16000	1100	-	-	-	-	500	35	26000	1795
⅜	500	35	15500	1070	300	20	14500	1000	-	-	-	-	500	35	25500	1760
½	500	35	14000	965	300	20	10500	725	-	-	-	-	500	35	20500	1415
¾	5000	35	10000	670	-	-	-	-	-	-	-	-	-	-	-	-

F-Series Manual Industrial Interchange

Size (inch)	Brass Coupler/Steel Plug				Brass Coupler/Plug				Steel Coupler/Plug				303 Stainless Steel Coupler/Plug			
	Max Working		Burst		Max Working		Burst		Max Working		Burst		Max Working		Burst	
	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar
¼	500	35	9000	620	300	20	8500	586	500	35	6500	448	500	35	11500	795
⅜	500	35	11500	790	300	20	10000	690	500	35	19500	1345	500	35	20500	1415
½	-	-	-	-	-	-	-	-	500	35	15500	1070	500	35	15000	1035

Interchange Standards			Functional Parameters				
Size (inch)	International Standards	ANSI/NFPA Standards	Locking Ball Quantity	Air Inclusion	Fluid Loss	Vacuum Rating	Flow ΔP = 15 PSI
¼	ISO6150B	T3.20.14-1990	6	n/a	n/a	n/a	26 CFM
⅜	ISO6150B	T3.20.14-1990	6	n/a	n/a	n/a	58 CFM
½	ISO6150B	T3.20.14-1990	6	n/a	n/a	n/a	91 CFM
¾	ISO6150B	T3.20.14-1990	9	n/a	n/a	n/a	200 CFM

DF-Series Profiles

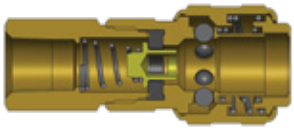


Body Size (inch)	A (mm)	B (mm)
¼	8.13	5.33
⅜	10.92	7.62
½	14.22	9.65
¾	20.32	7.11

D-Series Automatic Industrial Interchange Safety Coupler

Female Thread



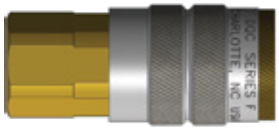


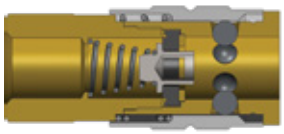
Materials & Sizes

- Brass Body: 1/4" to 3/4" with NPT thread sizes 1/8" to 1"
- Brass Body: 1/4" to 1/2" with BSPP thread sizes 1/4" to 1/2"
- Stainless Steel Body: 1/4" to 1/2" with NPT thread sizes 1/4" to 1/2"

F-Series Manual Industrial Interchange Coupler

Female Thread





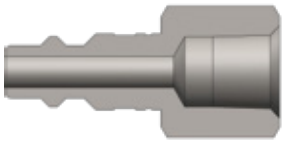
Materials & Sizes

- Brass Body: 1/4" to 1/2" with NPT thread sizes 1/8" to 3/4"
- Brass Body: 1/4" to 1/2" with BSPP thread sizes 1/8" to 1/2"
- Stainless Steel Body: 1/4" to 1/2" with NPT thread sizes 1/4" to 1/2"

DF-Series Industrial Interchange Nipple

Female Thread





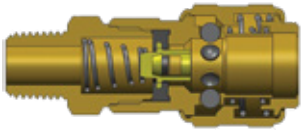
Materials & Sizes

- Steel Body: 1/4" to 3/4" with NPT thread sizes 1/8" to 1"
- Brass Body: 1/4" to 1/2" with NPT thread sizes 1/4" to 3/4"
- Brass Body: 1/4" to 1/2" with BSPP thread sizes 1/4" to 1/2"
- Stainless Steel Body:1/4" to 1/2" with NPT thread sizes 1/4" or 1/2"

D-Series Automatic Industrial Interchange Safety Coupler

Male Thread



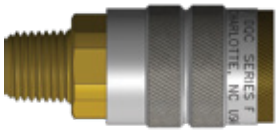


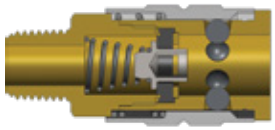
Materials & Sizes

- Brass Body: 1/4" to 3/4" with NPT thread sizes 1/8" to 1"
- Brass Body: 1/4" to 1/2" with BSPT thread sizes 1/4" to 1/2"
- Stainless Steel Body: 1/4" to 1/2" with NPT thread sizes 1/4" to 1/2"

F-Series Manual Industrial Interchange Coupler

Male Thread





Materials & Sizes

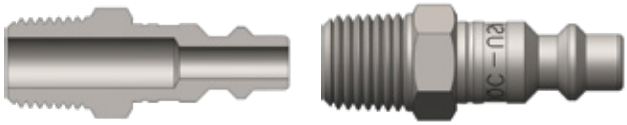
- Brass Body: 1/4" to 1/2" with NPT thread sizes 1/8" to 3/8"
- Steel Body: 1/4" to 1/2" with NPT thread sizes 1/4" to 3/4"
- Brass Body: 1/4" to 1/2" with BSPT thread sizes 1/8" to 1/2"
- Stainless Steel Body: 1/4" to 1/2" with NPT thread sizes 1/8" or 1/2"

DF-Series Industrial Interchange Nipple

Male Thread

Materials & Sizes

- Steel Body: 1/4" to 3/4" with NPT thread sizes 1/8" to 1"
- Brass Body: 1/4" to 1/2" with BSPT thread sizes 1/4" to 1/2"
- Stainless Steel Body: 1/4" to 1/2" with NPT thread sizes 1/8" or 1/2"

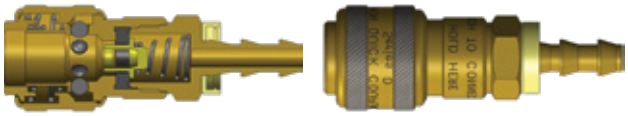


D-Series Automatic Industrial Interchange Coupler

Push-Loc Hose Tail

Materials & Sizes

- Brass Body: 1/4" to 1/2" with hose tail sizes 1/4" to 1/2"

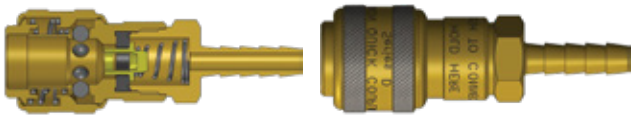


D-Series Automatic Industrial Interchange Safety Coupler

Standard Hose Tail

Materials & Sizes

- Brass Body: 1/4" to 3/4" with hose tail sizes 1/4" to 1"
- Stainless Steel Body: 1/4" to 1/2" with hose tail sizes 1/4" to 1/2"



F-Series Manual Industrial Interchange Coupler

Standard Hose Tail

Materials & Sizes

- Brass Body: 1/4" with hose tail sizes 1/4" to 3/8"
- Steel Body: 1/4" to 1/2" with hose tail sizes 1/4" to 3/4"
- Stainless Steel Body: 1/4" to 1/2" with hose tail sizes 1/4" to 1/2"



DF-Series Industrial Interchange Nipple

Standard Hose Tail

Materials & Sizes

- Brass Body: 1/4" to 1/2" with hose tail sizes 1/4" to 3/4"
- Steel Body: 1/4" to 3/4" with hose tail sizes 1/4" to 1"
- Stainless Steel Body: 1/4" to 1/2" with hose tail sizes 1/4" to 1/2"



Pneumatic Quick Couplings - DF-Series

DF-Series Industrial Interchange Part Numbers

Body (inch)	Thread Size (inch)	Part Numbers					
		D-Series Coupler Female Thread	F-Series Coupler Female Thread	DF-Series Nipple Female Thread	D-Series Coupler Male Thread	F-Series Coupler Male Thread	DF-Series Nipple Male Thread
¼	⅛:27 NPT	-	-	-	-	-	D2M1
¼	⅛:27 NPT	2DF1-B	2FF1-B	D2F1	2DM1-B	2FM1-B	D2M1-B
¼	⅛:27 NPT	-	-	-	-	2FM1-S	D2M1-S
¼	⅛:28 BSP	-	2FBF1-B	-	-	-	-
¼	¼:18 NPT	-	2FF2	D2F2	-	2FM2	D2M2
¼	¼:18 NPT	2DF2-B	2FF2-B	D2F2-B	2DM2-B	2FM2-B	D2M2-B
¼	¼:18 NPT	2DF2-S	2FF2-S	D2F2-S	2DM2-S	2FM2-S	D2M2-S
¼	¼:19 BSP	2DBF2-B	2FBF2-B	D2BF2	2DBM2-B	2FBM2-B	D2BM2
¼	⅜:18 NPT	-	-	-	-	-	D2M3
¼	⅜:18 NPT	2DF3-B	2FF3-B	D2F3-B	2DM3-B	2FM3-B	D2M3-B
¼	⅜:18 NPT	2DF3-S	2FF3-S	D2F3-S	2DM3-S	2FM3-S	D2M3-S
¼	⅜:19 BSP	2DBF3-B	2FBF3-B	D2BF3	2DBM3-B	-	D2BM3
⅜	¼:18 NPT	3DF2-B	3FF2	D3F2	3DM2-B	3FM2	D3M2
⅜	⅜:18 NPT	-	3FF3	D3F3	-	3FM3	D3M3
⅜	⅜:18 NPT	3DF3-B	-	D3F3-B	3DM3-B	-	D3M3-B
⅜	⅜:18 NPT	3DF3-S	3FF3-S	D3F3-S	3DM3-S	3FM3-S	D3M3-S
⅜	⅜:19 BSP	3DBF3-B	3FBF3	D3BF3	3DBM3-B	3FBM3	D3BM3
⅜	½:14 NPT	3DF4-B	3FF4	D3F4	3DM4-B	3FM4	-
½	¼:18 NPT	-	-	-	-	-	D4M2
½	⅜:18 NPT	4DF3-B	4FF3	D4F3	4DM3-B	4FM3	D4M3
½	½:14 NPT	-	4FF4	D4F4	-	4FM4	D4M4
½	½:14 NPT	4DF4-B	-	D4F4-B	4DM4-B	-	D4M4-B
½	½:14 NPT	4DF4-S	4FF4-S	D4F4-S	4DM4-S	4FM4-S	D4M4-S
½	½:14 BSP	4DBF4-B	4FBF4	D4BF4	4DBM4-B	4FBM4	D4BM4
½	¾:14 NPT	-	4FF6	D4F6	-	4FM6	D4M6
½	¾:14 NPT	4DF6-B	-	D4F6-B	4DM6-B	-	D4M6-B
¾	½:14 NPT	6DF4-B	-	D6F4	6DM4-B	-	D6M4
¾	¾:14 NPT	6DF6-B	-	-	6DM6-B	-	D6M6
¾	1:11½ NPT	6DF8-B	-	D6F8	6DM8-B	-	D6M8

Refer to our website for full specifications: dixonvalve.com.au

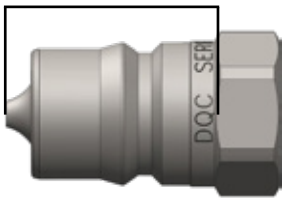
Product Group: AN01

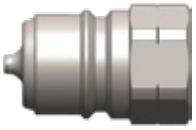
Body (inch)	Thread Size (inch)	Part Numbers			
		D-Series Coupler Push-Loc Hose Tail	D-Series Coupler Standard Hose Tail	F-Series Coupler Hose Tail	DF-Series Nipple Hose Tail
¼	¼	-	-	2FS2	D2S2
¼	¼	2DB2-B	2DS2-B	2FS2-B	-
¼	¼	-	2DS2-S	2FS2-S	D2S2-S
¼	5/16	-	-	2FS2.5-B	D2S2.5
¼	⅜	-	-	-	D2S3
¼	⅜	2DB3-B	2DS3-B	2FS3-B	D2S3-B
¼	⅜	-	2DS3-S	2FS3-S	D2S3-S
⅜	¼	-	3DS2-B	3FS2	D3S2
⅜	⅜	3DB3-B	3DS3-B	3FS3	D3S3
⅜	⅜	-	3DS3-S	3FS3-S	D3S3-S
⅜	⅜	-	-	-	D3S3-B
⅜	½	-	3DS4-B	3FS4	D3S4
½	⅜	-	-	4FS3	D4S3
½	⅜	-	4DS3-B	-	D4S3-B
½	½	4DB4-B	4DS4-B	4FS4	D4S4-B
½	½	-	4DS4-S	4FS4-S	D4S4-S
½	¾	-	-	4FS6	-D4S6
½	¾	-	4DS6-B	-	D4S6-B
¾	½	-	6DS4-B	-	D6S4
¾	¾	-	6DS6-B	-	D6S6
¾	1	-	6DS8-B	-	D6S8

Refer to our website for full specifications: dixonvalve.com.au

Product Group: AN01

Hydraulic Profile Shape



H-Series steel • brass • 303 ss • 316 ss  ISO7241-B page 264	**H-BOP-Series** steel • 316 ss  ISO7241-B BOP page 268	**HS-Series** steel • brass • 303 ss  ISO7241-B Steam page 269	**K-Series** steel • 316 ss  ISO7241-A page 272	**W-Series** steel • brass  Wingstyle page 276
WS-Series steel • 316 ss  Heavy-Duty Wingstyle page 280	**WS-BOP-Series** steel • 316 ss  Heavy-Duty Wingstyle BOP page 280	**VEP-Series** steel • 316 ss  Threaded Flushface page 285	**VEP-BOP-Series** steel  Threaded Flushface BOP page 287	**HT-Series** steel • 316 ss  Correct Connect® ISO16028 page 289
HTE-Series steel  ISO16028 Connect Under Pressure Plug page 296	**HTZ-Series** steel  ISO16028 Connect Under Pressure Coupler page 298	**HT-AG-Series** steel  ISO16028:AG ISO7241-A page 299	**XK-Series** steel  10K Flushface page 300	**ST-Series** steel • 316 ss  Heavy-Duty Flushface page 301
AG-Series steel  Agricultural page 305	**T-Series** steel • 316 ss  10K Threaded page 308	**TR-Series** steel  European page 310	**E-Series** steel • brass • 303 ss  Straight-Through page 313	**V-Series** steel • brass • 316 ss  MIL-C-51234 page 317
CVV-Series steel  Euro-Threaded ISO14541 page 324	**PD-Series** steel  ISO15171-1 Test page 326	**CNG-Series** 303 ss  ISO16028 Connect Under Pressure Coupler page 328		

H-Series ISO7241 Series B

Materials

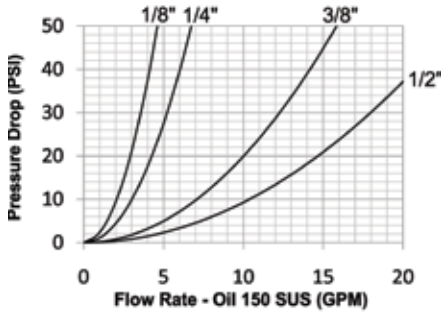
- Machined components are manufactured using solid steel, brass, 303 stainless steel or 316 stainless steel bar stock
- Stainless steel balls, retaining rings and springs maximise corrosion resistance and extend the service life
- Steel componentry is plated using ROHS-compliant trivalent chrome
- Steel coupler sleeves are hardened to resist deformation and maximise the service life
- Steel nipples are hardened to provide heavy-duty performance and resist brinelling

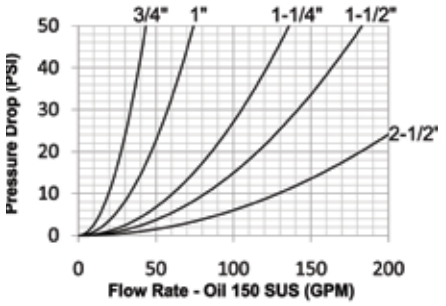
Seal Components

- Nitrile (Buna-N) seals are standard providing a temperature range of -40°C to 121°C
- 1/8" to 1" couplers have a redundant O-ring sealing system with PTFE backup ring. 1¼" to 2½" have a Hytrel® backup ring
- 1/4" to 1" valve seals are crimped in place to maintain integrity during excessive flow conditions and pressurised connection

Interchange Data

- Interchangeable to ISO7241 Series B
- Parker 60-Series
- Snap-Tite 72-Series
- Hansen HK-Series
- Faster Series HNV
- Aeroquip/Eaton FD45
- Stucchi Series IRB/IRBO/IRBX





Standards

- H-Series couplers and nipples are fully compliant with the parameters outlined in ISO7241 Series B

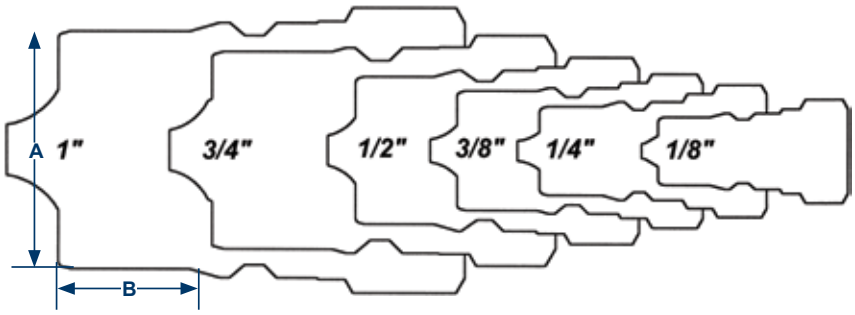
Body Size (inch)	Brass Coupler/Steel Plug				Brass Coupler/Plug				Steel Coupler/Plug				303 Stainless Steel Coupler/Plug			
	Max Working		Burst		Max Working		Burst		Max Working		Burst		Max Working		Burst	
	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar
⅛	4000	275	14500	1000	3000	200	16500	1100	3500	240	29500	2000	3500	240	29500	2000
¼	5000	345	22500	1550	3000	200	15000	1000	3500	240	31500	2150	3500	240	33000	2200
⅜	4000	275	16500	1150	2500	175	12000	800	3500	240	26500	1800	3500	240	28000	1900
½	4000	275	16000	1100	2500	175	11500	750	3500	240	27500	1900	3500	240	22000	1500
¾	4000	275	16500	1150	2000	138	12000	800	3000	200	16000	1100	3000	200	21500	1450
1	4000	275	16000	1100	1500	100	8500	600	2000	138	15000	1000	2000	138	15000	1000
1¼	2500	170	10000	700	1000	70	6500	450	2000	138	10000	700	1000	70	8500	580
1½	2500	170	12500	850	1000	70	6500	450	1500	100	8500	580	1000	70	7000	480
2½	1500	100	6000	400	700	50	5500	380	1000	70	6500	450	900	62	6000	400

Body Size (inch)	Interchange Standards		Functional Parameters				
	International Standards	ANSI/NFPA Standards	Locking Ball Quantity	Air Inclusion (cc)	Fluid Loss (cc)	Vacuum Rating	Flow ΔP = 15 PSI
⅛	ISO7241-B	B93.113M-B	8	0.6	0.3	27.4	12
¼	ISO7241-B	B93.113M-B	8	1.1	0.9	27.4	17
⅜	ISO7241-B	B93.113M-B	9	2.6	1.8	27.4	38
½	ISO7241-B	B93.113M-B	9	3.8	2.9	27.4	57
¾	ISO7241-B	B93.113M-B	12	10.8	9.7	27.4	110
1	ISO7241-B	B93.113M-B	12	15.9	15.3	27.4	190
1¼	ISO7241-B	B93.113M-B	12	30.0	45.0	N/R	341
1½	ISO7241-B	B93.113M-B	12	60.0	75.0	N/R	454
2½	ISO7241-B	B93.113M-B	15	N/A	N/A	N/R	738

* These particular sizes are not outlined within the documented standard category

- ISO-B couplings are not recommended for BOP (Blow Out Prevention system)

H-Series Profiles



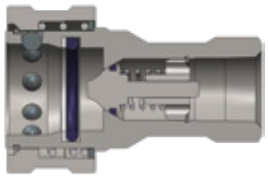
Body Size (inch)	A (mm)	B (mm)
⅛	10.92	8.13
¼	14.22	9.91
⅜	19.05	12.19
½	23.37	12.45
¾	31.50	19.05
1	37.85	20.83
1¼	37.85	28.70
1½	44.45	32.77
2½	63.50	38.10

H-Series ISO-B Interchange: Couplers

Female Thread

Materials & Sizes

- Brass Body: 1/4" to 1" with NPT & BSPP thread sizes 1/4" to 1"
- Steel Body: 1/4" to 1" with NPT & BSPP thread sizes 1/4" to 1"
- Steel Body: 1/4" to 3/8" with O-ring boss thread sizes 9/16", 3/4", 7/8", $1^{1}/_{16}$" or $1^{5}/_{16}$"
- Stainless Steel Body: 1/4" to 1" with NPT & BSPP thread sizes 1/4" to 1"



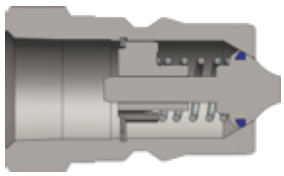


H-Series ISO-B Interchange: Nipples

Female Thread

Materials & Sizes

- Brass Body: 1/4" to 1" with NPT & BSPP thread sizes 1/4" to 1"
- Steel Body: 1/4" to 1" with NPT & BSPP thread sizes 1/4" to 1"
- Steel Body: 1/4" to 3/8" with O-ring boss thread sizes 9/16", 3/4", 7/8", $1^{1}/_{16}$" or $1^{5}/_{16}$"
- Stainless Steel Body: 1/4" to 1" with NPT & BSPP thread sizes 1/4" to 1"





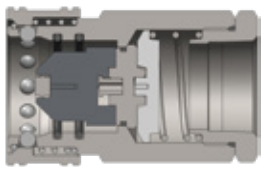
H-Series ISO-B Interchange High Volume Couplers

Female Thread

Materials & Sizes

- Brass Body: 1¼" to 2½" with NPT thread sizes 1¼" to 2"
- Steel Body: 1¼" to 2½" with NPT thread sizes 1¼" to 3"
- Steel Body: 1½" with O-ring boss thread sizes 1⅝" or 1⅞"
- Stainless Steel Body: 1¼" to 1½" with NPT thread sizes 1¼"" to 1½"

BSPP thread available in brass, steel, stainless steel in body sizes 1¼", 1½" with thread sizes 1¼", 1½"





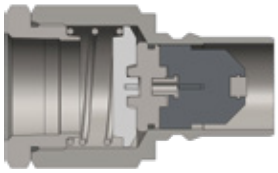
H-Series ISO-B Interchange High Volume Nipples

Female Thread

Materials & Sizes

- Brass Body: 1¼" to 2½" with NPT thread sizes 1¼" to 2"
- Steel Body: 1¼" to 2½" with NPT thread sizes 1¼" to 3"
- Steel Body: 1½" with O-ring boss thread sizes 1⅝" or 1⅞"
- Stainless Steel Body: 1¼" to 1½" with NPT thread sizes 1¼"" to 1½"

BSPP thread available in brass, steel, stainless steel in body sizes 1¼", 1½" with thread sizes 1¼", 1½"





H-Series ISO7241 Series B Part Numbers

Body Size (inch)	Thread Size (inch)	Part Numbers		Body Material
		Couplers Female Thread	Nipples Female Thread	
¼	¼:18 NPT	2HF2	H2F2	Steel
¼	¼:18 NPT	2HF2-B	H2F2-B	Brass
¼	¼:18 NPT	2HF2-S	H2F2-S	303 SS
¼	¼:18 NPT	2HF2-SS	H2F2-SS	316 SS
¼	¼:19 BSPP	2HBF2	H2BF2	Steel
¼	¼:19 BSPP	2HBF2-B	H2BF2-B	Brass
¼	¼:19 BSPP	2HBF2-S	H2BF2-S	303 SS
¼	¼:19 BSPP	2HBF2-SS	H2BF2-SS	316 SS
¼	9/16:18 ORB	2HOF3	H2OF3	Steel
⅜	⅜:18 NPT	3HF3	H3F3	Steel
⅜	⅜:18 NPT	3HF3-B	H3F3-B	Brass
⅜	⅜:18 NPT	3HF3-S	H3F3-S	303 SS
⅜	⅜:18 NPT	3HF3-SS	H3F3-SS	316 SS
⅜	⅜:19 BSPP	3HBF3	H3BF3	Steel
⅜	⅜:19 BSPP	3HBF3-B	H3BF3-B	Brass
⅜	⅜:19 BSPP	3HBF3-S	H3BF3-S	303 SS
⅜	⅜:19 BSPP	3HBF3-SS	H3BF3-SS	316 SS
⅜	¾:16 ORB	3HOF4	H3OF4	Steel
½	½:14 NPT	4HF4	H4F4	Steel
½	½:14 NPT	4HF4-B	H4F4-B	Brass
½	½:14 NPT	4HF4-S	H4F4-S	303 SS
½	½:14 NPT	4HF4-SS	H4F4-SS	316 SS
½	½:14 BSPP	4HBF4	H4BF4	Steel
½	½:14 BSPP	4HBF4-B	H4BF4-B	Brass
½	½:14 BSPP	4HBF4-S	H4BF4-S	303 SS
½	½:14 BSPP	4HBF4-SS	H4BF4-SS	316 SS
½	⅞:14 ORB	4HOF5	H4OF5	Steel
¾	¾:14 NPT	6HF6	H6F6	Steel
¾	¾:14 NPT	6HF6-B	H6F6-B	Brass
¾	¾:14 NPT	6HF6-S	H6F6-S	303 SS
¾	¾:14 NPT	6HF6-SS	H6F6-SS	316 SS
¾	¾:14 BSPP	6HBF6	H6BF6	Steel
¾	¾:14 BSPP	6HBF6-B	H6BF6-B	Brass
¾	¾:14 BSPP	6HBF6-S	H6BF6-S	303 SS
¾	¾:14 BSPP	6HBF6-SS	H6BF6-SS	316 SS
¾	1 1/16:12 ORB	6HOF6	H6OF6	Steel
1	1:11½ NPT	8HF8	H8F8	Steel
1	1:11½ NPT	8HF8-B	H8F8-B	Brass
1	1:11½ NPT	8HF8-S	H8F8-S	303 SS
1	1:11½ NPT	8HF8-SS	H8F8-SS	316 SS
1	1:11 BSPP	8HBF8	H8BF8	Steel
1	1:11 BSPP	8HBF8-B	H8BF8-B	Brass
1	1:11 BSPP	8HBF8-S	H8BF8-S	303 SS
1	1:11 BSPP	8HBF8-SS	H8BF8-SS	316 SS
1	1 5/16:12 ORB	-	H8OF8	Steel

NPT & ORB thread styles also available
A complete range of seal options are available
Refer to our website for full specifications - dixonvalve.com.au

Product Group: AP03

H-Series ISO-B Interchange High Volume Part Numbers

Body Size (inch)	Thread (inch)	Part Numbers		Body Material
		High Volume Couplers Female Thread	High Volume Nipple Female Thread	
1¼	1¼:11½ NPT	10HF10	H10F10	Steel
1¼	1¼:11½ NPT	10HF10-B	H10F10-B	Brass
1¼	1¼:11½ NPT	10HF10-S	H10F10-S	303 SS
1¼	1¼:11 BSPP	10HBF10	H10BF10	Steel
1½	1¼:11½ NPT	12HF10	H12F10	Steel
1½	1¼:11½ NPT	12HF10-B	H12F10-B	Brass
1½	1¼:11½ NPT	12HF10-S	H12F10-S	303 SS
1½	1⅝:12 ORB	12HOF10	H12OF10	Steel
1½	1½:11½ NPT	12HF12	H12F12	Steel
1½	1½:11½ NPT	12HF12-B	H12F12-B	Brass
1½	1½:11½ NPT	12HF12-S	H12F12-S	303 SS
1½	1½:11½ NPT	12HF12-SS	H12F12-SS	316 SS
1½	1½:11 BSPP	12HBF12	H12BF12	Steel
1½	1½:11 BSPP	12HBF12-B	H12BF12-B	Brass
1½	1½:11 BSPP	12HBF12-S	H12BF12-S	303 SS
1½	1½:11 BSPP	12HBF12-SS	H12BF12-SS	316 SS
1½	1⅞:12 ORB	12HOF12	H12OF12	Steel
2½	2:11½ NPT	20HF16	H20F16	Steel
2½	2:11½ NPT	20HF16-B	H20F16-B	Brass
2½	2½:8 NPT	20HF20	H20F20	Steel
2½	3:8 NPT	20HF24	H20F24	Steel

Product Group: AP03

Refer to our website for full specifications - dixonvalve.com.au

H-Series ISO-B Interchange: Dust Plugs & Caps



Combo Plug/Cap Nitrile



Rigid Dust Plug Aluminium



Rigid Dust Cap Aluminium

Size (inch)	Part Numbers		
	Dust Plug & Caps	Rigid Dust Plugs	Rigid Dust Caps
¼	2HDP-H2DC	2HDP-A	H2DC-A
⅜	3HDP-H3DC	3HDP-A	H3DC-A
½	4HDP-H4DC	4HDP-A	H4DC-A
¾	6HDP-H6DC	6HDP-A	H6DC-A
1	8HDP-H8DC[1]	8HDP-A	H8DC-A
1¼	8HDP-H8DC[1]	-	-
1½	-	12HDP-A	H12DC-A
2½	-	20HDP-A	H20DC-A

[1]8HDP-H8DC fits both 1" and 1¼" body sizes

Product Group: AP03

Aluminium dust caps and plugs come with steel cable

Refer to our website for full range and specifications - dixonvalve.com.au

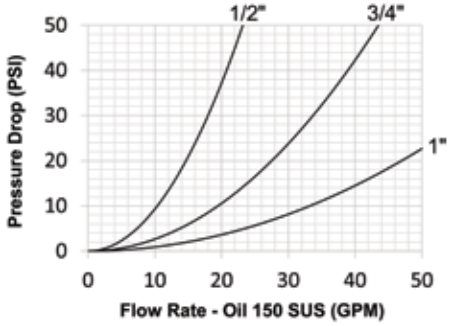
H-BOP Series Hydraulic Couplings

Applications

- Designed specifically for blow-out prevention systems on drilling rigs.

Materials

- Machined components are manufactured using solid steel or 316 stainless steel bar stock
- Stainless steel balls, retaining rings, and springs maximise corrosion resistance and extend service life
- Steel componentry is plated using ROHS-compliant trivalent chrome
- Steel coupler sleeves are hardened to resist deformation and maximise service life
- Steel nipples are hardened to provide heavy-duty performance and resist brinelling
- Red powder-coated coupler sleeve and nipple hex for easy BOP service identification
- The locking sleeve is standard



Seal Components

- Blow-Out Prevention (BOP) couplings contain severe service FKM seals
- PTFE anti-extrusion ring protects the main coupling body seal from dynamic impulse pressure damage
- The coupler has a redundant O-ring sealing system
- Valve seals are crimped in place to maintain integrity during excessive flow conditions and pressurised connection

Interchange Data

- Eaton/Hansen HKFR-Series, DNP HNV-BOP Series
- Interchangeable to ISO7241 Series B

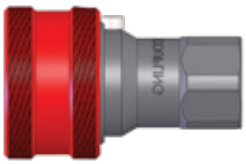
Rated Pressure Chart

Body Size (inch)	Steel Coupler/Plug				316 SS Coupler/Plug				Lloyd's Test Pressure	Flow ΔP = 22 PSI
	Max Working		Burst		Max Working		Burst			
	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar		
½	5000	345	16000	1100	5000	345	22000	1500	5000	68.2 LPM
¾	5000	345	16500	1150	5000	345	21500	1450	5000	131.8 LPM
1	5000	345	16000	1100	5000	345	15000	1000	5000	227.3 LPM

BOP couplings have been fire tested and Lloyd's certified to 700°C in accordance with API 16D. Certificate available upon request

H-BOP Series Hydraulic

Blowout Prevention Safety: Female Threads



Coupler



Nipple

Body Size (inch)	Thread Size (inch)	Part Numbers		Body Material
		Couplers Female Thread	Nipples Female Thread	
½	½:14 NPT	H4F4-BOP	4HF4-BOP	Steel
½	½:14 NPT	H4F4-SS-BOP	4HF4-SS-BOP	316 SS
¾	¾:14 NPT	H6F6-BOP	6HF6-BOP	Steel
¾	¾:14 NPT	H6F6-SS-BOP	6HF6-SS-BOP	316 SS
1	1:11½ NPT	H8F8-BOP	8HF8-BOP	Steel
1	1:11½ NPT	H8F8-SS-BOP	8HF8-SS-BOP	316 SS

Use H-Series dust caps and plugs. Refer to page 267
Refer to our website for full specifications - dixonvalve.com.au

Product Group: AP03

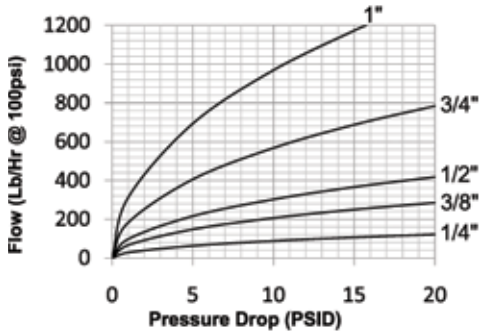
HS-Series ISO-B Steam Interchange

Applications

- Designed exclusively for steam applications.

Features

- HS-Series couplers and nipples are fully compliant with the parameters outlined in ISO7241 Series B
- Flanged sleeves are designed for ease of sleeve operation while wearing gloves during connection and disconnection
- EPDM steam body and valve seals are formulated to withstand continuous steam service
- Brass couplers have a redundant O-ring to maximise service life and provide additional sealing integrity



Materials

- Machined components are manufactured using solid steel, brass, or 303 stainless steel bar stock
- Stainless steel balls, retaining rings, and springs maximise corrosion resistance and extend service life
- Steel components are plated using ROHS-compliant trivalent chrome
- Steel nipples are hardened to provide heavy-duty performance to resist brinelling
- All couplers have a steel steam sleeve as standard

Interchange Data

- Interchangeable to ISO7241 Series B
- Parker 60-Series Steam Couplings
- Hansen HK-Series

Seal Components

- EPDM steam-grade seals are standard, providing a temperature range of -57°C to 204°C
- Couplers have a redundant O-ring sealing system (dual O-rings with PTFE backup)
- Valve seals are crimped in place to maintain integrity during excessive flow conditions

Rated Pressure Chart

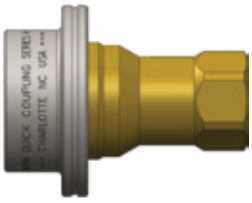
Body Size (inch)	Brass Coupler/Plug				Brass Coupler/Steel Plug				Brass Couplier/303 SS Plug				303 SS Coupler/Plug			
	Max Working		Burst		Max Working		Burst		Max Working		Burst		Max Working		Burst	
	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar
¼	200	14	14500	1000	200	14	14500	1000	200	14	14500	1000	200	14	31500	2150
⅜	200	14	12000	800	200	14	14500	1000	200	14	14500	1000	200	14	26500	1800
½	200	14	11500	750	200	14	14500	1000	200	14	14500	1000	200	14	27500	1900
¾	200	14	9280	640	200	14	9280	640	200	14	9280	640	200	14	16000	1100
1	200	14	5800	400	200	14	5800	400	200	14	5800	400	200	14	15000	1000

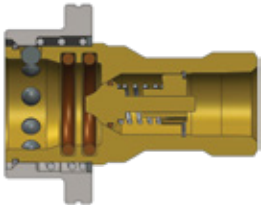
Maximum working pressure has been calculated using saturated steam at 170°C (338°F) for general-purpose applications. The operating temperature is related to continuous steam service, with an intermittent maximum temperature of 204°C (400°F). For advanced operating pressure or super-heated steam specifications, contact the factory for further information

Size (inch)	Interchange Standards		Functional Parameters				
	International Standards	ANSI/NFPA Standards	Locking Ball Quantity	Air Inclusion	Fluid Loss	Vacuum Rating	Flow ΔP = 10 PSI
¼	ISO7241-B	B93.113M-B	8	1.1cc	0.9cc	27.4	39.9 kg/hr
⅜	ISO7241-B	B93.113M-B	9	2.6cc	1.8cc	27.4	93.4 kg/hr
½	ISO7241-B	B93.113M-B	9	3.8cc	2.9cc	27.4	136.9 kg/hr
¾	ISO7241-B	B93.113M-B	12	10.8cc	9.7cc	27.4	257.2 kg/hr
1	ISO7241-B	B93.113M-B	12	15.9cc	15.3cc	27.4	439.1 kg/hr

- Do not disconnect steam couplings while under pressure
- The maximum operating temperature for steam service couplings is 204°C (400°F)
- Be sure to use safety chains, or equivalent means, to prevent the line from thrashing around in case the coupling becomes disconnected

Hydraulic Quick Couplings - HS-Series





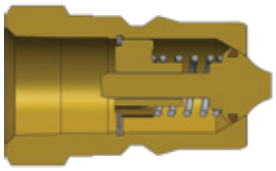
HS-Series Couplers

Female Thread

Materials & Sizes

- Brass Body: 1/4" to 1" with NPT & BSPP thread sizes 1/4" to 1"
- Stainless Steel Body: 1/4" to 1" with NPT & BSPP thread sizes 1/4" to 1"





HS-Series Nipples

Female Thread

Materials & Sizes

- Steel Body: 1/4" to 1" with NPT & BSPP thread sizes 1/4" to 1"
- Brass Body: 1/4" to 1" with NPT & BSPP thread sizes 1/4" to 1"
- Stainless Steel Body: 1/4" to 1" with NPT & BSPP thread sizes 1/4" to 1"

HS-Series ISO-B Steam Interchange Part Numbers

Body Size (inch)	Thread Size (inch)	Part Numbers		Body Material
		Couplers Female Thread	Nipples Female Thread	
¼	¼:18 NPT	HS2F2	-	Steel
¼	¼:18 NPT	HS2F2-B	2HSF2-B	Brass
¼	¼:18 NPT	HS2F2-S	2HSF2-S	303 SS
¼	¼:19 BSPP	HS2BF2	-	Steel
¼	¼:19 BSPP	HS2BF2-B	2HSBF2-B	Brass
¼	¼:19 BSPP	HS2BF2-S	2HSBF2-S	303 SS
⅜	⅜:18 NPT	HS3F3	-	Steel
⅜	⅜:18 NPT	HS3F3-B	3HSF3-B	Brass
⅜	⅜:18 NPT	HS3F3-S	3HSF3-S	303 SS
⅜	⅜:19 BSPP	HS3BF3	-	Steel
⅜	⅜:19 BSPP	HS3BF3-B	3HSBF3-B	Brass
⅜	⅜:19 BSPP	HS3BF3-S	3HSBF3-S	303 SS
½	½:14 NPT	HS4F4	-	Steel
½	½:14 NPT	HS4F4-B	4HSF4-B	Brass
½	½:14 NPT	HS4F4-S	4HSF4-S	303 SS
½	½:14 BSPP	HS4BF4	-	Steel
½	½:14 BSPP	HS4BF4-B	4HSBF4-B	Brass
½	½:14 BSPP	HS4BF4-S	4HSBF4-S	303 SS
¾	¾:14 NPT	HS6F6	-	Steel
¾	¾:14 NPT	HS6F6-B	6HSF6-B	Brass
¾	¾:14 NPT	-	6HSF6-S	303 SS
¾	¾:14 BSPP	HS6BF6	-	Steel
¾	¾:14 BSPP	HS6BF6-B	6HSBF6-B	Brass
¾	¾:14 BSPP	HS6BF6-S	6HSBF6-S	303 SS
1	1:11½ NPT	HS8F8	-	Steel
1	1:11½ NPT	HS8F8-B	8HSF8-B	Brass
1	1:11½ NPT	HS8F8-S	8HSF8-S	303 SS
1	1:11 BSPP	HS8BF8	-	Steel
1	1:11 BSPP	HS8BF8-B	8HSBF8-B	Brass
1	1:11 BSPP	HS8BF8-S	8HSBF8-S	303 SS

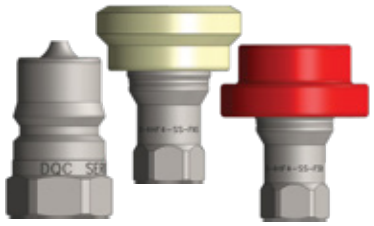
Refer to our website for full specifications - dixonvalve.com.au

Product Group: AP04

H-Series ISO-B Food Grade Couplings

Features

- H-Series couplers and nipples are fully compliant with the parameters outlined in ISO7241 Series B
- FKM™ seals are FDA-approved for food service applications, such as fryers and fryer-oil filtering equipment.
- Large-diameter flanged coupler sleeves will prevent damage when dropped and are easier to operate with gloves on
- Couplings of steel with nickel plating, 303 SS and 316 SS will fulfil the requirements of various food service applications



Body Size (inch)	Steel Coupler/Plug				Brass Coupler/Plug				303 Stainless Steel Coupler/Plug				316 Stainless Steel Coupler/Plug			
	Max Working		Burst		Max Working		Burst		Max Working		Burst		Max Working		Burst	
	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar
½	4000	275	16000	1100	2500	175	11500	750	3500	240	27500	1900	3500	240	22000	1500

Size (inch)	Interchange Standards		Functional Parameters				
	International Standards	ANSI/NFPA Standards	Locking Ball Quantity	Air Inclusion	Fluid Loss	Vacuum Rating	Flow ΔP = 15 PSI
½	ISO7241-B	B93.113M-B	9	3.8cc	2.9cc	696 mmHG	57 LPM

HFG-Series ISO-B Interchange

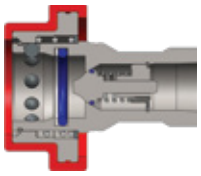
Body Size (inch)	Parker	Aeroquip	Snap-Tite	Stucchi	Faster	Hansen
½	60 Series	FD45	72 Series	IRB/IRBO/IRBX	HNV Series	HK Series

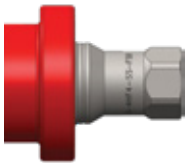
H-Series Silicone Flanged Couplers

Female Thread

Materials & Sizes

- Stainless Steel Body: 1/2" with NPT thread sizes 1/2"



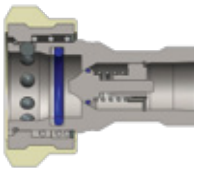


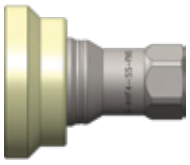
H-Series Nylon Flanged Couplers

Female Thread

Materials & Sizes

- Stainless Steel Body: 1/2" with NPT thread sizes 1/2"



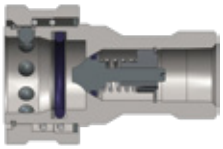


H-Series Steel Mill Slide Gate Coupler/Nipple

Female Thread

Materials & Sizes

- Steel Body: 1/2" with NPT thread sizes 1/2"



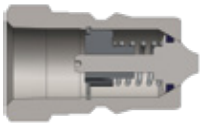


H-Series Nipples

Female Thread

Materials & Sizes

- Steel Body: 1/2" with NPT thread sizes 1/2"
- Stainless Steel Body: 1/2" with NPT thread sizes 1/2"





H-Series Part Numbers

Body Size (inch)	Thread (inch)	Part Numbers					Body Material
		Silicone Flanged Couplers Female Thread	Nylon Flanged Couplers Female Thread	Steel Mill Slide Gate Couplers Female Thread	Steel Mill Slide Gate Nipples Female Thread	Nipples Female Thread	
½	½:14 NPT	D-4HF4-S-FSB	D-4HF4-S-FNS	-	-	D-H4F4-S	303 SS
½	½:14 NPT	D-4HF4-SS-FSB	D-4HF4-SS-FNS	-	-	D-H4F4-SS	316 SS
½	½:14 NPT	-	-	4HF4-HV	H4F4-HV	D-H4F4-SV-8	Steel

Product Group: AP03

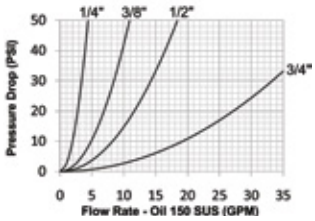
K-Series ISO7241 Series A

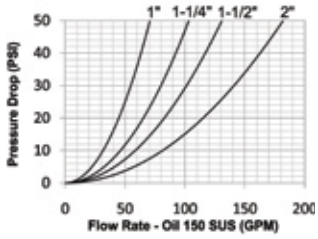
Materials

- Machined components are manufactured using solid steel or stainless steel bar stock
- Stainless steel balls, retaining rings and springs maximise corrosion resistance and extend service life
- Steel componentry is plated using ROHS-compliant trivalent chrome
- Steel coupler sleeves are hardened to resist deformation and maximise service life
- Steel nipples are hardened to provide heavy-duty performance and resist brinelling

Seal Components

- Nitrile (Buna-N) seals are standard providing a temperature range of -40°C to 121°C
- Couplers have a PTFE anti-extrusion ring
- Valve seals are crimped in place to maintain integrity during excessive flow conditions and pressurised connection





Interchange Data

- Interchangeable to ISO7241 Series A
- Parker 6600-Series, Aeroquip/Eaton FD56 (5600)
- Faster ANV, Hansen HA15000, Safeway S56-Series, Ryco 80, 81, 82, 85 & 86 Series

Standards

- K-Series couplers and nipples are compliant with the parameters outlined in ISO7241 Series A

Steel Coupler/Plug Rated Pressure Chart

Body Size (inch)	Maximum Working		Burst	
	PSI	Bar	PSI	Bar
¼	5000	345	18270	1200
⅜	4000	275	18270	1200
½	4000	275	16500	1100
¾	4000	275	14800	1000
1	4000	275	12400	850
1¼	3000	200	12600	850
1½	3000	200	12600	850
2	1450	100	5800	400

Size (inch)	Functional Parameters					
	International Standards	Locking Ball Quantity	Air Inclusion	Fluid Loss	Vacuum Rating	Flow ΔP = 22 PSI
¼	ISO7241-A	6	0.6cc	0.3cc	26.5	11
⅜	ISO7241-A	9	2.6cc	1.8cc	26.5	26
½	ISO7241-A	9	3.8cc	2.9cc	26.5	45
¾	ISO7241-A	12	10.8cc	9.7cc	26.5	106
1	ISO7241-A	15	15.9cc	15.3cc	26.5	190
1¼	ISO7241-A	16	31.7cc	29.1cc	26.5	265
1½	ISO7241-A	16	56.4cc	52.2cc	26.5	341
2	ISO7241-A	15	n/a	n/a	26.5	454

K-Series Interchange

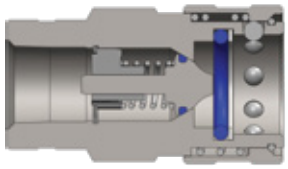
Body Size (inch)	Parker	Aeroquip	Faster	Hansen	Safeway
¼	Series 6600	FD56 (5600)	ANV	HA 15000	S56-Series
⅜	Series 6600	FD56 (5600)	ANV	HA 15000	S56-Series
½	Series 6600	FD56 (5600)	ANV	HA 15000	S56-Series
¾	Series 6600	FD56 (5600)	ANV	HA 15000	S56-Series
1	Series 6600	FD56 (5600)	ANV	HA 15000	S56-Series
1¼	-	-	ANV	HA 15000	S56-Series
1½	-	-	ANV	HA 15000	S56-Series
2	-	-	ANV	HA 15000	S56-Series

K-Series ISO-A Interchange: Couplers

Female Thread

Materials & Sizes

- Steel Body: 1/4" to 1/2" with NPT & BSPP thread sizes 1/8" to 3/4"
- Steel Body: 1/4", 3/8" & 1/2" with O-ring boss thread sizes 7/16", 9/16"' or 3/4"
- Stainless Steel Body: 1/4" to 1/2" with NPT & BSPP thread sizes 1/8" or 1/2"

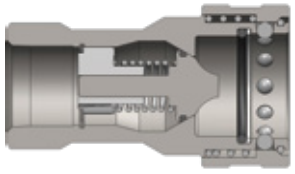



K-Series ISO-A Interchange: Couplers

Female Thread

Materials & Sizes

- Steel Body: 3/4" & 1" with NPT & BSPP thread sizes 3/4" or 1"
- Steel Body: 3/4" with O-ring boss thread sizes $1^{1}/_{16}$", $1^{5}/_{16}$ or 3/4"
- Stainless Steel Body: 3/4" & 1" with NPT & BSPP thread sizes 3/4" or 1"

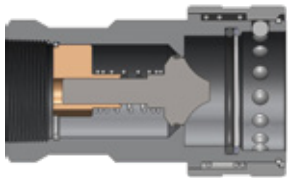



K-Series ISO-A Interchange: Couplers

Female Thread

Materials & Sizes

- Steel Body: 1¼", 1½ & 2" with NPT & BSPP thread sizes 1¼", 1½ or 2"

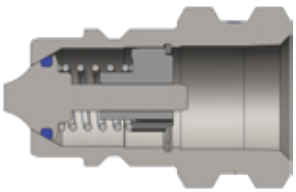



K-Series ISO-A Interchange: Nipples

Female Thread

Materials & Sizes

- Steel Body: 1/4" to 1/2" with NPT & BSPP thread sizes 1/8" or 1/4"
- Steel Body: 1/4", 3/8" & 1/2" with O-ring boss thread sizes 7/16", 9/16", 3/4" or 7/8"
- Stainless Steel Body: 1/4" to 1/2" with NPT & BSPP thread sizes 1/8" or 1/4"

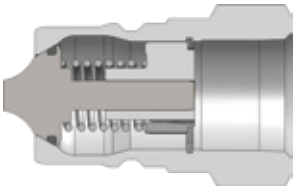



K-Series ISO-A Interchange: Nipples

Female Thread

Materials & Sizes

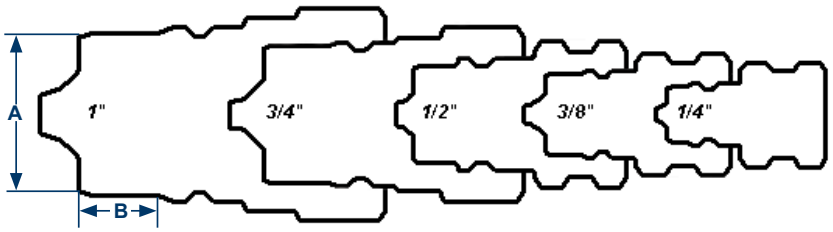
- Steel Body: 3/4" to 2" with NPT & BSPP thread sizes 3/4" to 2"
- Steel Body: 3/4" & 1" with O-ring boss thread sizes $1^{1}/_{16}$" or $1^{5}/_{16}$"
- Stainless Steel Body: 3/4" to 1" with NPT & BSPP thread sizes 3/4" or 1"




NPT & ORB thread styles also available. A complete range of seal options are available

Hydraulic Quick Couplings - K-Series

K-Series Profiles



Body Size (inch)	A (mm)	B (mm)
¼	11.1	6.35
⅜	17.5	9.53
½	20.6	9.53
¾	28.6	15.88
1	34.9	20.6
1¼	42.9	25.4
1½	52.4	30.2
2½	61.9	33.3

K-Series ISO7241 Series A Part Numbers

Body Size (inch)	Thread Size (inch)	Part Numbers		Body Material
		Nipples Female Thread	Coupler Female Thread	
¼	⅛:27 NPT	K2F1	2KF1	Steel
¼	¼:18 NPT	K2F2	2KF2	Steel
¼	¼:18 NPT	K2F2-SS	2KF2-SS	316 SS
¼	¼:19 BSPP	K2BF2-G	2KBF2-G	Steel
¼	¼:19 BSPP	K2BF2-SS	2KBF2-SS	316 SS
¼	7/16:20 ORB	K2OF2	2KOF2	Steel
⅜	⅜:18 NPT	K3F3	3KF3	Steel
⅜	⅜:18 NPT	K3F3-SS	3KF3-SS	316 SS
⅜	⅜:19 BSPP	K3BF3-G	3KBF3-G	Steel
⅜	⅜:19 BSPP	K3BF3-SS	3KBF3-SS	316 SS
⅜	9/16:18 ORB	K3OF3	3KOF3	Steel
½	½:14 NPT	K4F4	4KF4	Steel
½	½:14 NPT	K4F4-SS	4KF4-SS	316 SS
½	½:14 BSPP	K4BF4-G	4KBF4-G	Steel
½	½:14 BSPP	K4BF4-SS	4KBF4-SS	316 SS
½	¾:16 ORB	K4OF4	4KOF4	Steel
½	⅞:14 ORB	K4OF5	4KOF5	Steel
½	¾:14 NPT	-	4KF6	Steel
¾	¾:14 NPT	K6F6	6KF6	Steel
¾	¾:14 NPT	K6F6-SS	6KF6-SS	316 SS
¾	¾:14 BSPP	K6BF6-G	6KBF6-G	Steel
¾	¾:14 BSPP	K6BF6-SS	6KBF6-SS	316 SS
¾	1 1/16:12 ORB	K6OF6	6KOF6	Steel
1	1:11½ NPT	K8F8	8KF8	Steel
1	1:11½ NPT	K8F8-SS	-	316 SS
1	1:11 BSPP	K8BF8-G	8KBF8-G	Steel
1	1:11 BSPP	K8BF8-SS	-	316 SS
1	1 5/16:12 ORB	K8OF8	8KOF8	Steel
1¼	1¼:11½ NPT	K10F10	10KF10	Steel
1¼	1¼:11 BSPP	K10BF10	10KBF10	Steel
1½	1½:11½ NPT	K12F12	12KF12	Steel
1½	1½:11 BSPP	K12BF12	12KBF12	Steel
2	2:11½ NPT	K16F16	16KF16	Steel
2	2:11 BSPP	K16BF16	16KBF16	Steel

NPT & ORB thread styles also available
A complete range of seal options are available
Refer to our website for full specifications - dixonvalve.com.au

Product Group: AP06

K-Series Interchange: Hermaphrodite Dust Plugs & Caps

Size (inch)	Part Numbers	Body Material	Pkg Qty	
			Bag	Box
¼	2KDP-K2DC	Nitrile	10	50
⅜	3KDP-K3DC	Nitrile	10	50
¾	6KDP-K6DC	Nitrile	5	25
1	8KDP-K8DC	Nitrile	5	25

Product Group: AP06



K-Series Interchange: Colour Coded Dust Plugs

Size (inch)	Part Numbers	Colour	Body Material	Pkg Qty	
				Bag	Box
½	4KDP	Black	Nitrile	10	50
½	4K-R-DP	Red	Nitrile	10	50
½	4K-O-DP	Orange	Nitrile	10	50
½	4K-Y-DP	Yellow	Nitrile	10	50
½	4K-G-DP	Green	Nitrile	10	50
½	4K-B-DP	Blue	Nitrile	10	50

Product Group: AP06



K-Series Interchange: Colour Coded Dust Caps

Size (inch)	Part Numbers	Colour	Body Material	Pkg Qty	
				Bag	Box
½	K4DC	Black	Nitrile	10	50
½	K4-R-DC	Red	Nitrile	10	50
½	K4-O-DC	Orange	Nitrile	10	50
½	K4-Y-DC	Yellow	Nitrile	10	50
½	K4-G-DC	Green	Nitrile	10	50
½	K4-B-DC	Blue	Nitrile	10	50

Product Group: AP06



K-Series Interchange: Coupler Seal Kits

Size (inch)	Part Numbers	Coupler Style	Seal Material	Seal Kit Contents	Pkg Qty	
					Bag	Box
¼	2K-SKIT	All	Nitrile	O-ring & PTFE anti-extrusion Ring	10	50
⅜	3K-SKIT	All	Nitrile	O-ring & PTFE anti-extrusion Ring	10	50
½	4K-SKIT	All	Nitrile	O-ring & PTFE anti-extrusion Ring	10	50
¾	6K-SKIT	All	Nitrile	O-ring & PTFE anti-extrusion Ring	10	50
1	8K-SKIT	All	Nitrile	O-ring & PTFE anti-extrusion Ring	10	50
1¼	10K-SKIT	All	Nitrile	O-ring & PTFE anti-extrusion Ring	10	50
1½	12K-SKIT	All	Nitrile	O-ring & PTFE anti-extrusion Ring	10	50
2	16K-SKIT	All	Nitrile	O-ring & PTFE anti-extrusion Ring	10	50

Product Group: AP06

NPT & ORB thread styles also available
A complete range of seal options are available

W-Series Wingstyle Interchange

Materials

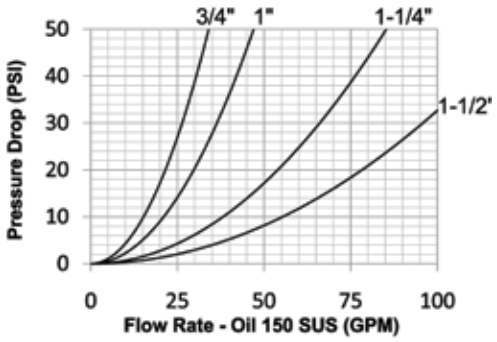
- Machined components are manufactured using solid steel and brass bar stock
- Stainless steel retaining rings and springs maximise corrosion resistance and extend service life.
- Steel componentry is plated using ROHS-compliant trivalent chrome
- Rugged steel cast wing nut for threaded connect and disconnect operation
- For steel models, the coupler valve sleeve and nipple valve are constructed of brass

Seal Components

- Nitrile (Buna-N) seals are standard providing a temperature range of -40°C to 121°C
- 3/4" & 1" couplings have a PTFE backup ring on the valve sleeve to extend service life
- The main coupler valve has a bonded face-seal to improve seal integrity during pressurised connection/disconnection
- 3/4" & 1½" nipple valve seal is bonded to the valve face to improve seal integrity and prolong service life
- External O-ring on plug indicates full connection and acts as a contamination shield in connected mode
- The redundant O-ring on the coupler body will engage the nipple for secondary sealing support

Interchange Data

- Aeroquip 5100-Series, Parker 6100-Series
- Snap-Tite 78-Series, Faster Series-FB, Safeway S51-Series



Coupler/Nipple Rated Pressure Chart

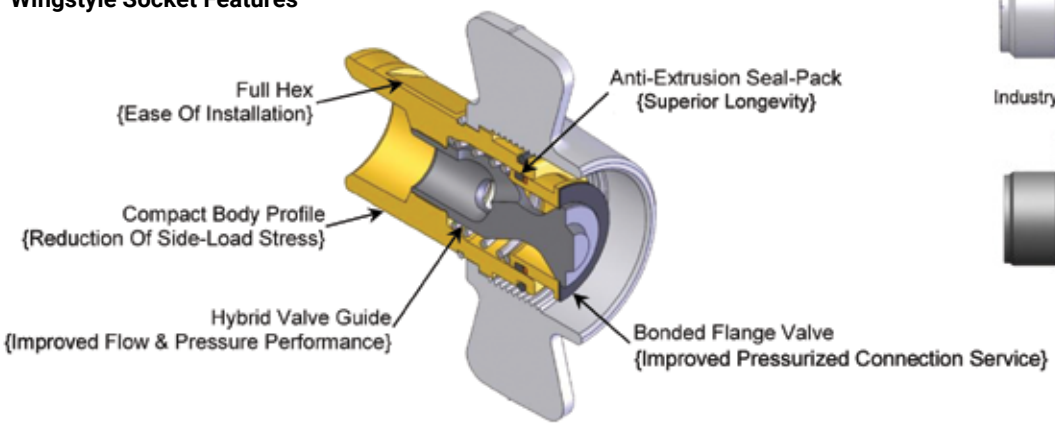
Body Size (inch)	Maximum Working		Burst	
	PSI	Bar	PSI	Bar
¾	3000	200	12300	850
1	3000	200	14100	1000
1¼	2750	190	8800	600
1½	2500	170	8800	600

Size (inch)	Functional Parameters				
	Locking Ball Quantity	Air Inclusion	Fluid Loss	Vacuum Rating	Flow ΔP = 32 PSI
¾	Threaded	0.34cc	0.26cc	27.4	106
1	Threaded	0.50cc	0.35cc	27.4	151
1¼	Threaded	0.68cc	0.70cc	27.4	265
1½	Threaded	0.60cc	0.94cc	27.4	379

- Although the wingstyle couplings are able to connect and disconnect while under pressure, it is recommended that the hydraulic power supply be de-energised during connection to ensure operator safety. If it is not possible to de-energise the circuit, operators must be aware of their surroundings to ensure that an attachment or tool does not put them at risk, once hydraulic power is applied during the connection process
- W-Series couplings are not recommended for continuous hydraulic impulse applications at rated pressures

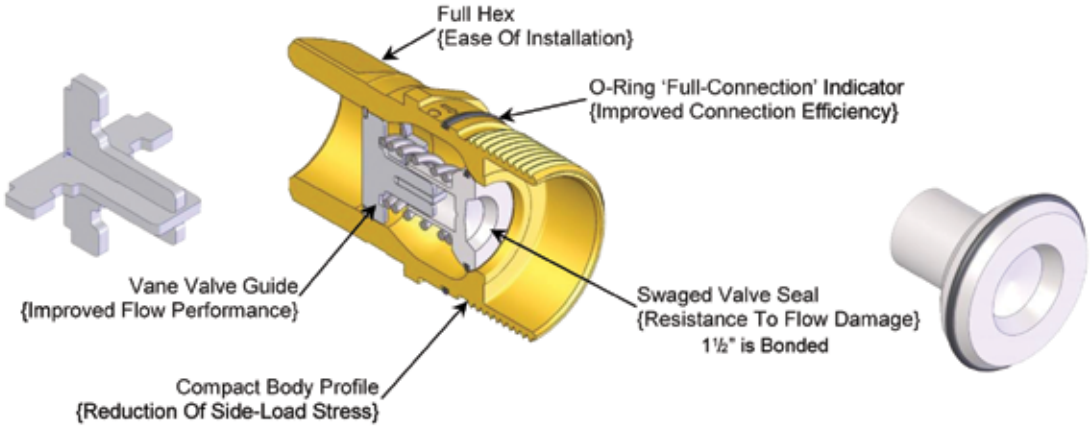
W-Series Hydraulic Couplings

Wingstyle Socket Features

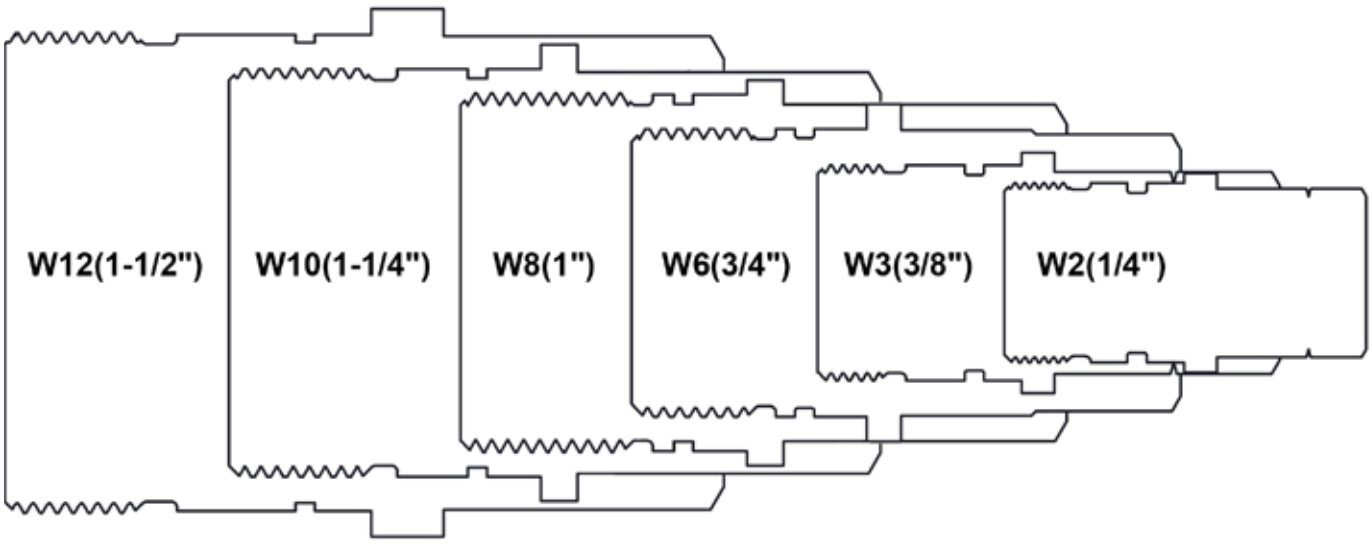




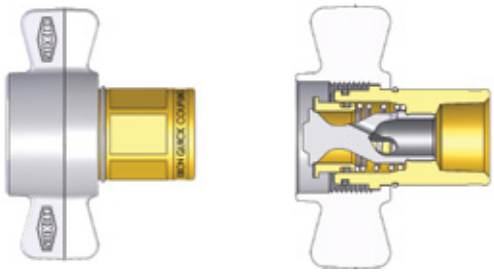
Wingstyle Plug Features



W-Series Profiles



Hydraulic Quick Couplings - W-Series



W-Series Thread Together: Wing Nut Couplers

Female Thread

Materials & Sizes

- Brass Body: 3/4" to 1½" with NPT & BSPP thread sizes 1/2" to 1½"
- Steel Body: 1" with NPT thread sizes 1"

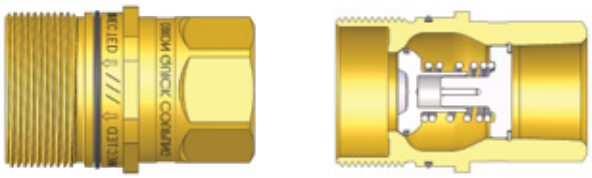


W-Series Thread Together: Hex Nut Couplers

Female Thread

Materials & Sizes

- Brass Body: 3/4" to 1½" with NPT & BSPP thread sizes 1/2" to 1½"



W-Series Thread Together: Nipples

Female Thread

Materials & Sizes

- Brass Body: 3/4" to 1½" with NPT & BSPP thread sizes 1/2" to 1½"
- Steel Body: 1" with NPT thread sizes 1"



W-Series Thread Together: Nipples with Flanges

Female Thread

Materials & Sizes

- Brass Body: 3/4" to 1½" with BSPP thread sizes 1/2" to 1½"

W-Series Part Numbers

Body Size (inch)	Thread Size (inch)	Part Numbers				Body Material
		Wing Nut Coupler Female Thread	Hex Nut Coupler Female Thread	Thread Together Nipples Female Thread	Thread Together Nipples with Flanges	
¾	½:14 NPT	6WF4-B	6WF4-B-HN	W6F4-B	-	Brass
¾	½:14 BSPP	6WBF4-B	6WBF4-B-HN	W6BF4-B	W6BF4-B-BMF	Brass
¾	¾:14 NPT	6WF6-B	6WF6-B-HN	W6F6-B	-	Brass
¾	¾:14 BSPP	6WBF6-B	6WBF6-B-HN	W6BF6-B	W6BF6-B-BMF	Brass
1	1:11½ NPT	8WF8-B	8WF8-B-HN	W8F8-B	-	Brass
1	1:11½ NPT	8WF8	-	W8F8	-	Steel
1	1:11 BSPP	8WBF8-B	8WBF8-B-HN	W8BF8-B	W8BF8-B-BMF	Brass
1¼	1¼:11½ NPT	10WF10-B	10WF10-B-HN	W10F10-B	-	Brass
1¼	1¼:11 BSPP	10WBF10-B	10WBF10-B-HN	W10BF10-B	W10BF10-B-BMF	Brass
1½	1½:11½ NPT	12WF12-B	12WF12-B-HN	W12F12-B	-	Brass
1½	1½:11 BSPP	12WBF12-B	12WBF12-B-HN	W12BF12-B	W12BF12-B-BMF	Brass

Product Group: AP05

NPT & ORB thread styles also available
A complete range of seal options are available
Refer to our website for full specifications - dixonvalve.com.au

W-Series Thread Together: Wingstyle Repair Kits

Size (inch)	Part Numbers		Coupler Style	Seal Material
	Coupler	Nipple		
¾	6W-RKIT-V2	W6-RKIT-V2	All	Nitrile
1	8W-RKIT-V2	W8-RKIT-V2	All	Nitrile
1¼	10W-RKIT-V2	W10-RKIT-V2	All	Nitrile
1½	12W-RKIT-V2	W12-RKIT-V2	All	Nitrile

Product Group: AP06

W-Series Thread Together: Coupler Rigid Dust Plugs

Size (inch)	Part Numbers	Cap Lanyard	Body Material	Weight (kg)	Pkg Qty	
					Bag	Box
¼	2WDP	Steel Cable	Steel	0.06	10	50
⅜	3WDP	Steel Cable	Steel	0.09	10	50
¾	6WDP	Steel Cable	Steel	0.14	10	50
1	8WDP	Steel Cable	Steel	0.22	10	50
1¼	10WDP	Steel Cable	Steel	0.28	5	25
1½	12WDP	Steel Cable	Steel	0.54	5	25

Product Group: AP05



W-Series Thread Together: Nipple Rigid Dust Caps

Size (inch)	Part Numbers	Cap Lanyard	Body Material	Weight (kg)	Pkg Qty	
					Bag	Box
¼	W2DP	Steel Cable	Steel	0.06	10	50
⅜	W3DP	Steel Cable	Steel	0.09	10	50
¾	W6DP	Steel Cable	Steel	0.14	10	50
1	W8DP	Steel Cable	Steel	0.22	10	50
1¼	W10DP	Steel Cable	Steel	0.28	5	25
1½	W12DP	Steel Cable	Steel	0.54	5	25

Product Group: AP05

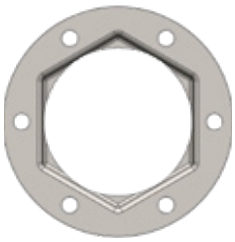


NPT & ORB thread styles also available
A complete range of seal options are available

W-Series Mounting Flanges

Body Size (inch)	Part Numbers	Bolt Hole (inch)	Body Material	Weight (kg)	Pkg Qty
¾	W6-BMF	¼	Steel	0.03	5
1	W8-BMF	¼	Steel	0.03	5
1½	W12-BMF	⅜	Steel	0.34	5

Product Group: AP05



- Although the wingstyle couplings are able to connect and disconnect while under pressure, it is recommended that the hydraulic power supply be de-energised during connection to ensure operator safety. If it is not possible to de-energise the circuit, operators must be aware of their surroundings to ensure that an attachment or tool does not put them at risk, once hydraulic power is applied during the connection process
- W-Series couplings are not recommended for continuous hydraulic impulse applications at rated pressures

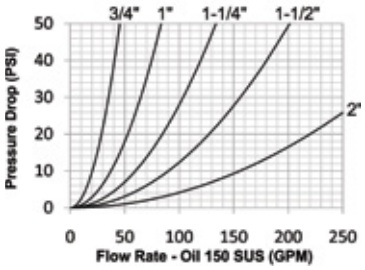
WS-Series High-Pressure Wingstyle Interchange

Materials

- Machined components are manufactured using solid steel or 316 stainless steel bar stock
- Stainless steel retaining rings and springs maximise corrosion resistance and extend service life
- Steel componentry is plated using ROHS-compliant trivalent chrome
- Rugged high-strength steel shell-cast wing nut for threaded connect and disconnect operation
- 316 stainless steel nipple connection threads are coated to prevent galling during connection/disconnection
- 1¼" & 1½" 316 stainless steel couplers have a hex-nut connection sleeve

Interchange Data

- High-pressure wingstyle interchange
- Snap-Tite 75-Series, Hydraulics Inc. Series-5TV



Seal Components

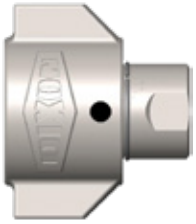
- Nitrile (Buna-N) seals are standard providing a temperature range of -40°C to 121°C
- PTFE anti-extrusion ring protects the main coupling O-ring from dynamic impulse pressure damage
- The main valve seal is housed to improve seal integrity during pressurised connection/disconnection
- Blow-Out Prevention (BOP) couplings contain fire service grade FKM seals:coupling has been fire tested and Lloyd's certified to 700°C in accordance with API 16D (Certificate #NAO 0601041/1)

Rated Pressure Chart

Body Size (inch)	Steel Coupler/Steel Plug				303 Stainless Steel Coupler/Plug			
	Max Working		Burst		Max Working		Burst	
	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar
¾	5000	345	32800	2200	3000	200	20000	1400
1	5000	345	25100	1700	3000	200	20000	1400
1¼	5000	345	15000	1000	3000	200	15000	1000
1½	5000	345	19300	1300	3000	200	15000	1000
2	5000	345	15000	1000	3000	200	15000	1000

Size (inch)	Functional Parameters				
	Locking Ball Quantity	Air Inclusion	Fluid Loss	Vacuum (inch HG)	Flow ΔP = 30 PSI
¾	Threaded	10cc	10cc	27.4	132
1	Threaded	23cc	15cc	27.4	246
1¼	Threaded	50cc	30cc	27.4	397
1½	Threaded	100cc	60cc	27.4	605
2	Threaded	200cc	135cc	27.4	1022

Examples

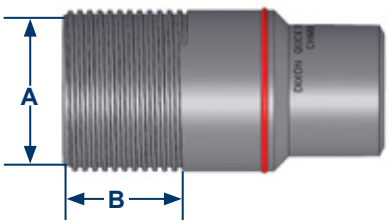


WS Coupler with View Port



WS Coupler with Wrench Flats (wrench flats may result in reduced pressure performance)

WS-BOP Series Profiles



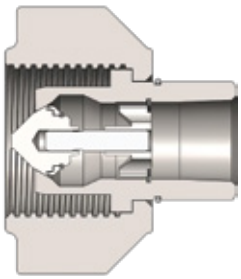
Body Size (inch)	A (mm)	B (mm)
¾	44.20	38.86
1	57.15	48.26
1¼	66.80	57.91
1½	82.55	71.12
2	101.60	92.46

WS-Series High-Pressure: Wingstyle Interchange Couplers

Female Thread

Materials & Sizes

- Steel Body: 3/4" to 2" with NPT & BSPP thread sizes 3/4" to 2"
- Steel Body: 3/4" to 2" with O-ring boss thread sizes 1 1/16" or 1 5/16", 1 5/8", 1 7/8, or 2 1/2"
- Stainless Steel Body: 3/4" to 2" with NPT & BSPP thread sizes 3/4" to 2"



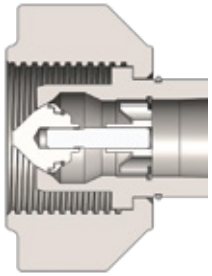


WS-Series Blowout Prevention Safety Couplers

Female Thread

Materials & Sizes

- Steel Body: 3/4" to 2" with NPT & BSPP thread sizes 3/4" to 2"
- Stainless Steel Body: 3/4" to 2" with NPT thread sizes 3/4" to 2"



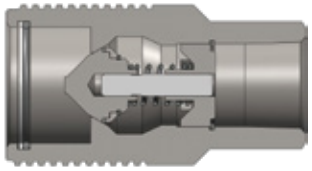


WS-Series High-Pressure: Wingstyle Interchange Nipples

Female Thread

Materials & Sizes

- Steel Body: 3/4" to 2" with NPT & BSPP thread sizes 3/4" to 2"
- Steel Body: 3/4" to 2" with O-ring boss thread sizes 1 1/16" or 1 5/16", 1 5/8", 1 7/8, or 2 1/2"
- Stainless Steel Body: 3/4" to 2" with NPT & BSPP thread sizes 3/4" to 2"



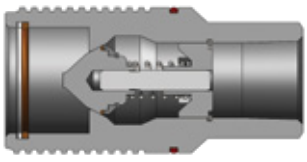


WS-Series Blowout Prevention Safety Nipples

Female Thread

Materials & Sizes

- Steel Body: 3/4" to 2" with NPT & BSPP thread sizes 3/4" to 2"
- Stainless Steel Body: 3/4" to 2" with NPT thread sizes 3/4" to 2"





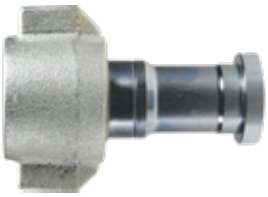
WS-Series High-Pressure Wingstyle Part Numbers

Body Size (inch)	Thread Size (inch)	Part Numbers				Body Material
		Wingstyle Coupler Female Thread	Blowout Prevention Safety Coupler Female Thread	Wingstyle Nipple Female Thread	Blowout Prevention Safety Nipple Female Thread	
¾	½:14 NPT	-	6WSF4-BOP	WS6F4	WS6F4-BOP	Steel
¾	¾:14 NPT	6WSF6	6WSF6-BOP	WS6F6	WS6F6-BOP	Steel
¾	¾:14 NPT	6WSF6-SS	6WSF6-SS-BOP	WS6F6-SS	WS6F6-SS-BOP	316 SS
¾	¾:14 BSPP	6WSBF6	6WSBF6-BOP	WS6BF6	WS6BF6-BOP	Steel
¾	¾:14 BSPP	6WSBF6-SS	-	WS6BF6-SS	-	316 SS
¾	1 1/16:12 ORB	6WSOF6	-	WS6OF6	-	Steel
1	1:11½ NPT	8WSF8	8WSF8-BOP	WS8F8	WS8F8-BOP	Steel
1	1:11½ NPT	8WSF8-SS	8WSF8-SS-BOP	WS8F8-SS	WS8F8-SS-BOP	316 SS
1	1:11 BSPP	8WSBF8	-	WS8BF8	-	Steel
1	1:11 BSPP	8WSBF8-SS	-	WS8BF8-SS	-	316 SS
1	1 5/16:12 ORB	8WSOF8	-	WS8OF8	-	Steel
1¼	1¼:11½ NPT	10WSF10	10WSF10-BOP	WS10F10	WS10F10-BOP	Steel
1¼	1¼:11½ NPT	10WSF10-SS	10WSF10-SS-BOP	WS10F10-SS	WS10F10-SS-BOP	316 SS
1¼	1¼:11 BSPP	10WSBF10	10WSBF10-BOP	WS10BF10	WS10BF10-BOP	Steel
1¼	1¼:11 BSPP	10WSBF10-SS	-	WS10BF10-SS	-	316 SS
1¼	1⅝:12 ORB	10WSOF10	-	WS10OF10	-	Steel
1½	1½:11½ NPT	12WSF12	12WSF12-BOP	WS12F12	WS12F12-BOP	Steel
1½	1½:11½ NPT	12WSF12-SS	12WSF12-SS-BOP	WS12F12-SS	WS12F12-SS-BOP	316 SS
1½	1½:11 BSPP	12WSBF12	12WSBF12-BOP	WS12BF12	WS12BF12-BOP	Steel
1½	1½:11 BSPP	12WSBF12-SS	-	WS12BF12-SS	-	316 SS
1½	1⅞:12 ORB	12WSOF12	-	WS12OF12	-	Steel
2	2:11½ NPT	16WSF16	16WSF16-BOP	WS16F16	WS16F16-BOP	Steel
2	2:11½ NPT	16WSF16-SS	16WSBF16-SS	WS16F16-SS	WS16BF16-SS-BOP	316 SS
2	2:11 BSPP	16WSBF16	16WSOF16	WS16BF16	WS16BF16-BOP	Steel
2	2:11 BSPP	16WSBF16-SS	-	WS16BF16-SS	-	316 SS
2	2:12 ORB	16WSOF16	-	WS16OF16	-	Steel

Product Group: AP13

Refer to our website for full specifications - dixonvalve.com.au

High-Pressure Wingstyle Code 62 Flange Head Couplings



Head Coupler



Head Plug



Pad Coupler



Pad Plug

Body Size (inch)	Port Size (inch)	Part Numbers				Body Material
		Head Coupler	Head Plug	Pad Coupler	Pad Plug	
¾	¾	6WSFH6	WS6FH6	6WSFP6	WS6FP6	Steel
1	1	8WSFH8	WS8FH8	8WSFP8	WS8FP8	Steel
1¼	1¼	10WSFH10	WS10FH10	10WSFP10	WS10FP10	Steel
1½	1½	12WSFH12	WS12FH12	12WSFP12	WS12FP12	Steel
2	2	16WSFH16	WS16FH16	16WSFP16	WS16FP16	Steel

Product Group: AP13

WS-Series Coupler Rigid Dust Plugs

Body Size (inch)	Part Numbers	Coupler Style	Seal Material
¾	6WSDP-A	Steel Cable	Aluminium
1	8WSDP-A	Steel Cable	Aluminium
1¼	10WSDP-A	Steel Cable	Aluminium
1½	12WSDP-A	Steel Cable	Aluminium
2	16WSDP-A	Steel Cable	Aluminium

Product Group: AP13



WS-Series Nipple Rigid Dust Caps

Body Size (inch)	Part Numbers	Coupler Style	Seal Material
¾	WS6DC-A	Steel Cable	Aluminium
1	WS8DC-A	Steel Cable	Aluminium
1¼	WS10DC-A	Steel Cable	Aluminium
1½	WS12DC-A	Steel Cable	Aluminium
2	WS16DC-A	Steel Cable	Aluminium

Product Group: AP13



WS-Series High-Pressure: Wingstyle Interchange Coupler Seal Kits

Body/Valve Seats and Retaining Rings

Body Size (inch)	Part Numbers	Coupler Style	Seal Material
¾	6WS-SKIT	All	Nitrile
1½	12WS-SKIT	All	Nitrile
2	16WS-SKIT	All	Nitrile

Product Group: AP13



WS-Series BOP: Wingstyle Interchange Coupler Seal Kits

Body/Valve Seats and Retaining Rings

Body Size (inch)	Part Numbers	Coupler Style	Seal Material
¾	6BOP-SKIT	All	FR-FKM
1	8BOP-SKIT	All	FR-FKM
1¼	10BOP-SKIT	All	FR-FKM
1½	12BOP-SKIT	All	FR-FKM
2	16BOP-SKIT	All	FR-FKM

Product Group: AP13



WS-Series High-Pressure: Wingstyle Interchange Coupler Repair Kits

Valve Assembly, O-ring & PTFE BU

Body Size (inch)	Part Numbers	Coupler Style	Seal Material
¾	6WS-RKIT	All	Nitrile
1	8WS-RKIT	All	Nitrile
1¼	10WS-RKIT	All	Nitrile
1½	12WS-RKIT	All	Nitrile
2	16WS-RKIT	All	Nitrile

Product Group: AP13



VEP-Series Interchange

Materials

- Machined components are manufactured using solid bar stock
- Stainless steel retaining rings and springs maximise corrosion resistance and extend service life
- Steel componentry is plated using ROHS-compliant trivalent chrome

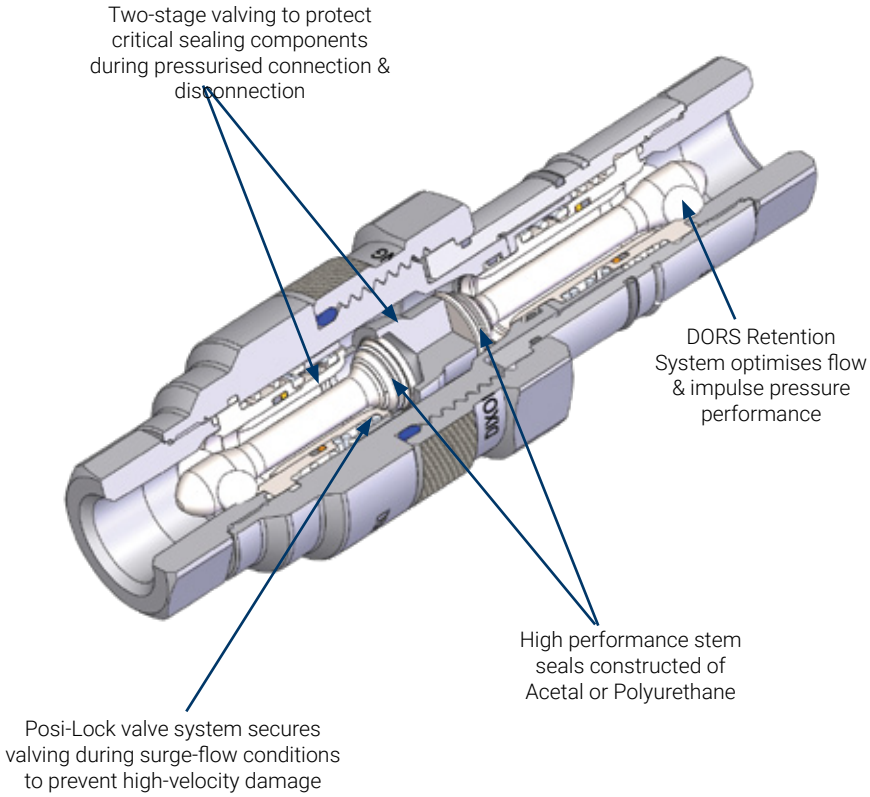


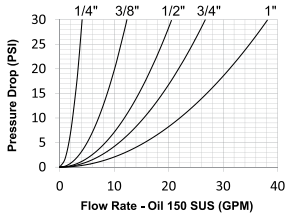
Interchange Data

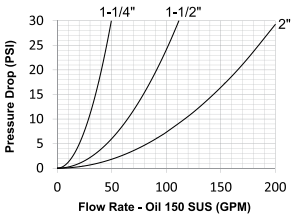
- Interchangeable with Stucchi VEP-P/VEP-HD Series, DNP PST4/FSI Series, Voswinkel FT Series, Parker FET-Series, and Holmbury HFT Series

Seal Components

- Nipples have nitrile-energised PTFE valve seals, with a temperature range of -40°C to 121°C
- 3/8" nipples have moulded polyurethane valve seals, with a temperature range of -54°C to 100°C
- 3/8" to 3/4" valve stems have moulded acetal seals, with a temperature range of -54°C to 100°C
- 1" to 2" valve stems have moulded polyurethane seals, with a temperature range of -54°C to 100°C
- Ancillary coupler and nipple seals are Nitrile (Buna-N), with a temperature range of -40°C to 121°C
- TPC-ET anti-extrusion ring protects the main coupling valve seal from dynamic impulse pressure damage







Body Size (inch)	Pressure Rating				Burst Pressure						Max Pressure Connect[3]		Max Pressure Disconnect[3]		Flow ΔP = 21.75 PSI
	ISO Working[1]		Max Impulse[2]		Connected		Coupler		Plug						
	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar	
¼	6,000	400	9,000	620	24,000	1,650	22,000	1,520	22,000	1,520	5,500	380	5,500	380	13
⅜	5,500	380	8,000	550	22,000	1,520	18,000	1,240	20,000	1,380	4,500	310	4,500	310	40
½	5,500	380	8,000	550	22,000	1,520	18,000	1,240	20,000	1,380	4,500	310	4,500	310	66
¾	5,500	380	8,000	550	22,000	1,520	18,000	1,240	20,000	1,380	4,500	310	4,500	310	85
1	5,500	380	7,500	520	22,000	1,520	14,500	1,000	20,000	1,380	3,625	250	3,625	250	123
1¼	5,000	350	7,000	480	20,000	1,380	14,500	1,000	16,000	1,100	3,625	250	3,625	250	174
1½	4,500	310	5,800	400	18,000	1,240	12,000	830	14,500	1,000	3,000	210	3,000	210	360
2	4,000	280	5,000	350	18,000	1,240	12,000	830	14,500	1,000	3,000	210	3,000	210	653

[1]Couplings impulse tested in accordance with ISO7241-2 for 1,000,000 cycles connected and 100,000 cycles disconnected at 133% of ISO working pressure

[2]Couplings impulse tested in accordance with ISO7241-2 for 100,000 cycles connected and disconnected at maximum impulse pressure listed

[3]System temperature for maximum connect/disconnect pressure must not exceed 65°C

How to Connect & Disconnect the VEP Series Coupling

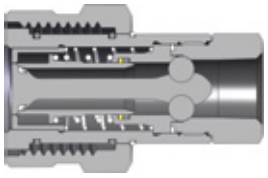
1. Prior to connecting, thoroughly clean all mating surfaces and threads on both halves, then pull the coupler sleeve forward
2. To initiate the connection, align the coupler and plug, pushing/turning the coupler sleeve towards the plug while engaging the threads. Keep the mating halves aligned during the connection process
3. Allow the threads to pull the coupler onto the plug, do not push the coupler onto the plug
4. The first phase of the connection should be threaded by hand, without the use of tools. Please note the connection sleeve may seize when dirt and debris accumulate in the threads:wipe away debris with a cloth, compressed air, or a brush
5. The second phase of the connection may require a wrench if the pressure is higher than anticipated
6. Continue to thread the coupler sleeve onto the plug until the end of the sleeve meets the plug body
7. To disconnect, use a wrench to break the coupler sleeve free and keep the mating halves aligned during the disconnection process

VEP-Series Interchange Couplers

Female Thread

Materials & Sizes

- Steel Body: 1/4" to 2" with NPT & BSPP thread sizes 1/4" to 2"
- Steel Body: 1/4" & 2" with O-ring boss thread sizes 9/16", 3/4", 7/8", 1 1/16", 1 5/16", 1 5/8", 1 7/8" or 2 1/2"



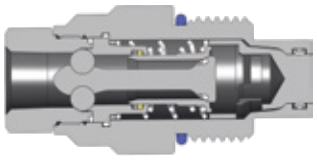


VEP-Series Interchange Nipples

Female Thread

Materials & Sizes

- Steel Body: 1/4" to 2" with NPT & BSPP thread sizes 1/4" to 2"
- Steel Body: 1/4" & 2" with O-ring boss thread sizes 9/16", 3/4", 7/8", 1 1/16", 1 5/16", 1 5/8", 1 7/8" or 2 1/2"





VEP-Series Rigid Dust Plugs

Size (inch)	Part Numbers	Weight (kg)	Pkg Qty	
			Bag	Box
¼	2VEPDP-A	0.03	5	50
⅜	3VEPDP-A	0.06	5	50
½	4VEPDP-A	0.06	5	25
¾	6VEPDP-A	0.09	5	25
1	8VEPDP-A	0.14	-	10
1¼	10VEPDP-A	0.17	-	10
1½	12VEPDP-A	0.45	-	5
2	16VEPDP-A	1.72	-	1

Product Group: AP16



VEP-Series Rigid Dust Caps

Size (inch)	Part Numbers	Weight (kg)	Pkg Qty	
			Bag	Box
¼	VEP2DC-A	0.03	5	50
⅜	VEP3DC-A	0.06	5	50
½	VEP4DC-A	0.07	5	50
¾	VEP6DC-A	0.11	5	25
1	VEP8DC-A	0.17	-	10
1¼	VEP10DC-A	0.28	-	10
1½	VEP12DC-A	0.68	-	5
2	VEP16DC-A	1.81	-	1

Product Group: AP16



VEP-Series dust caps and plugs are aluminium with a stainless steel bead chain

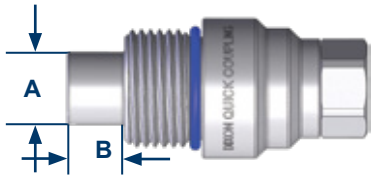
VEP-Series Interchange Part Numbers

Body Size (inch)	Thread (inch)	Part Numbers		Hex Size (mm)
		Coupler Female Thread	Nipple Female Thread	
¼	¼:18 NPT	2VEPF2	VEP2F2	22
¼	¼:19 BSPP	2VEPBF2	VEP2BF2	22
¼	9/16 :18 ORB	2VEPOF3	VEP2OF3	22
⅜	⅜:18 NPT	3VEPF3	VEP3F3	25
⅜	⅜:19 BSPP	3VEPBF3	VEP3BF3	25
⅜	¾:16 ORB	3VEPOF4	VEP3OF4	25
⅜	½:14 NPT	3VEPF4	VEP3F4	28
⅜	½:14 BSPP	3VEPBF4	VEP3BF4	28
½	½:14 NPT	4VEPF4	VEP4F4	30
½	½:14 BSPP	4VEPBF4	VEP4BF4	30
½	¾:16 ORB	4VEPOF4	VEP4OF4	30
½	⅞:14 ORB	4VEPOF5	VEP4OF5	32
½	¾:14 NPT	4VEPF6	VEP4F6	38
½	¾:14 BSPP	4VEPBF6	VEP4BF6	38
½	1 1/16:12 ORB	4VEPOF6	VEP4OF6	38
¾	¾:14 NPT	6VEPF6	VEP6F6	38
¾	¾:14 BSPP	6VEPBF6	VEP6BF6	38
¾	1 1/16:12 ORB	6VEPOF6	VEP6OF6	38
1	1:11½ NPT	8VEPF8	VEP8F8	44
1	1:11 BSPP	8VEPBF8	VEP8BF8	44
1	1 5/16:12 ORB	8VEPOF8	VEP8OF8	44
1¼	1¼:11½ NPT	10VEPF10	VEP10F10	55
1¼	1¼:11 BSPP	10VEPBF10	VEP10BF10	55
1¼	1⅝:12 ORB	10VEPOF10	VEP10OF10	55
1½	1½:11½ NPT	12VEPF12	VEP12F12	63
1½	1½:11 BSPP	12VEPBF12	VEP12BF12	63
1½	1⅞:12 ORB	12VEPOF12	VEP12OF12	63
2	2:11½ NPT	16VEPF16	VEP16F16	89
2	2:11 BSPP	16VEPBF16	VEP16BF16	89
2	2:12 ORB	16VEPOF16	VEP16OF16	89

Product Group: AP16

VEP-Series Profiles

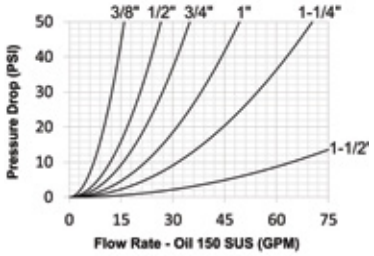
Body Size (inch)	A (mm)	B (mm)
¼	16.26	12.45
⅜	19.81	17.78
½	24.38	18.80
¾	26.92`	19.30
1	29.97	23.88
1¼	36.07	24.89
1½	57.15	31.75
2	87.12	61.98



VEP-BOP Series Hydraulic Couplings

Materials

- Machined components are manufactured using solid steel bar stock
- Stainless steel retaining rings and springs maximise corrosion resistance and extend service life
- Steel componentry is plated using ROHS-compliant zinc nickel
- Red powder-coated components and external O-rings for easy BOP service identification



Seal Components

- Blow-Out Prevention (BOP) coupling critical seals are severe service FKM
- PTFE anti-extrusion ring protects the main coupling valve seal from dynamic impulse pressure damage

Interchange Data

- Stucchi VEP/VEP-HD Series, DNP FSI-BOP Series

Lloyd's Test Pressure

Size (inch)	⅜	½	¾	1	1¼	1½
PSI	5000	5000	5000	5000	5000	5000

BOP couplings have been fire tested and Lloyd's certified to 700°C in accordance with API 16D. Certificate available upon request.
Use VEP dust caps and dust plugs found on page 285

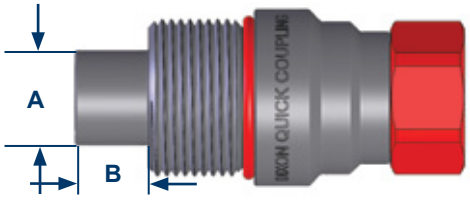
Rated Pressure Chart

Body Size (inch)	Pressure Rating				Burst Pressure						Max Pressure Connect		Max Pressure Disconnect		Flow ΔP = 21.75 PSI
	ISO Working		Max Impulse		Connected		Coupler		Plug						
	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar	
⅜	5,500	380	8,000	550	22,000	1,520	18,000	1,240	20,000	1,380	4,500	300	4,500	300	40
½	5,500	380	8,000	550	22,000	1,520	18,000	1,240	20,000	1,380	4,500	300	4,500	300	66
¾	5,500	380	8,000	550	22,000	1,520	18,000	1,240	20,000	1,380	4,500	300	4,500	300	85
1	5,500	380	7,500	520	22,000	1,520	14,500	1,000	20,000	1,380	3,625	250	3,625	250	123
1¼	5,000	350	7,000	480	20,000	1,380	14,500	1,000	16,000	1,100	3,625	250	3,625	250	174
1½	4,500	310	5,800	400	18,000	1,240	12,000	830	14,500	1,000	3,000	210	3,000	210	360

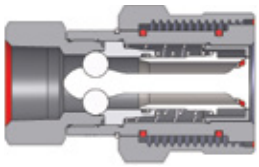
• Contact Dixon™ for availability of other end configurations

VEP-BOP Series Profile

Body Size (inch)	A (mm)	B (mm)
⅜	19.81	17.78
½	24.38	18.80
¾	26.92	19.30
1	27.97	23.88
1¼	36.09	24.89
1½	57.15	31.75







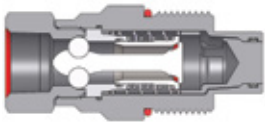
VEP-BOP Series Hydraulic Couplers

Female Thread

Materials & Sizes

- Steel Body: 3/8" to 1½" with NPT thread sizes 3/8" to 1½"





VEP-BOP Series Hydraulic Nipples

Female Thread

Materials & Sizes

- Steel Body: 3/8" to 1½" with NPT thread sizes 3/8" to 1½"

VEP-BOP Series Hydraulic Part Numbers

Size (inch)	Thread Size (inch)	Part Numbers		Body Material	Hex Size (mm)
		Coupler Female Thread	Nipple Female Thread		
⅜	⅜:18 NPT	3VEPF3-BOP	VEP3F3-BOP	Steel	25
½	½:14 NPT	4VEPF4-BOP	VEP4F4-BOP	Steel	30
¾	¾:14 NPT	6VEPF6-BOP	VEP6F6-BOP	Steel	38
1	1:11½ NPT	8VEPF8-BOP	VEP8F8-BOP	Steel	44
1¼	1¼:11½ NPT	10BEPF10-BOP	VEP10F10-BOP	Steel	55
1½	1½:11½ NPT	12VEPF12-BOP	VEP12F12-BOP	Steel	63

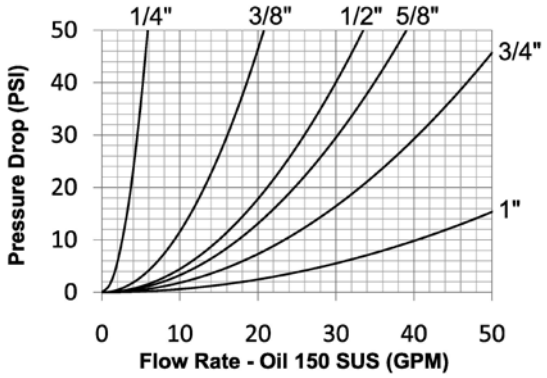
Product Group: AP16

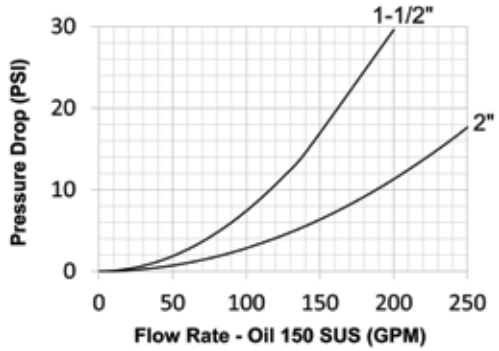


HT-Series Correct Connect® ISO16028 Flushface

Interchange Data

- Interchangeable to ISO16028
- Parker FEM-Series, Snap-Tite 74-Series, Hansen FF, Eaton/Aeroquip FD89, Stucchi FIRG/Series A,
- Faster FFH/FFN/FFI/2FFN/2FFI, Safeway FF49-Series, Ryco R110 Series





Materials

- Machined components are manufactured using solid steel or 316 stainless steel bar stock
- Stainless steel balls, retaining rings, and springs maximise corrosion resistance and extend service life
- Steel componentry is plated using ROHS-compliant zinc nickel for corrosion resistance
- Steel coupler sleeves are hardened to resist deformation and maximise service life
- Steel plugs are hardened to provide resistance to brinelling during impulse service

Seal Components

- 1/4", 3/8", 1/2", 3/4", and 1" plugs have moulded polyurethane valve seals, with a temperature range of -54°C to 100°C
- 5/8" and 2" plugs have nitrile-energised PTFE valve seals, with a temperature range of -40°C to 121°C
- Couplers have a polyurethane valve stem O-ring, with a temperature range of -54°C to 100°C
- Ancillary coupler and plug seals are Nitrile (Buna-N), with a temperature range of -40°C to 121°C
- PTFE or TPC-ET anti-extrusion ring protects the main coupling valve seal from dynamic impulse pressure damage

HT-Series Correct Connect®

- Blue bands standard, colour bands sold separately
- Contact Dixon™ for additional colour band builds
- No special tools required
- Polyurethane colour bands

Rated Pressure Chart

Body Size (inch)	HT-Series ISO16028 Flushface															
	Steel Coupler/Plug Coupled				316 SS Coupler/Plug Coupled				Steel Coupler Uncoupled				Steel Plug Uncoupled			
	Max. Working		Burst		Max. Working		Burst		Max. Working		Burst		Max. Working		Burst	
	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar
¼	5,000	345	20,000	1,379	-	-	-	-	5,000	345	20,000	1379	5,000	345	20,000	1,379
⅜	5,000	345	20,000	1,379	3,500	241	17,500	1,207	5,000	345	20,000	1379	5,000	345	20,000	1,379
½	5,000	345	20,000	1,379	3,400	234	17,000	1,172	5,000	345	20,000	1379	5,000	345	20,000	1,379
⅝	5,000	345	20,000	1,379	2,920	201	14,600	1,007	5,000	345	20,000	1379	5,000	345	20,000	1,379
¾	5,000	345	20,000	1,379	2,920	201	14,600	1,007	5,000	345	20,000	1379	5,000	345	20,000	1,379
1	5,000	345	20,000	1,379	2,920	201	14,600	1,007	5,000	345	20,000	1379	5,000	345	20,000	1,379
1½	3,000	207	12,000	828	-	-	-	-	3,000	207	12,000	828	3,000	207	12,000	828
2	3,000	207	12,000	828	-	-	-	-	3,000	207	12,000	828	3,000	207	12,000	828

Body Size (inch)	Interchange Standards		Functional Parameters				
	International Standards	ANSI/NFPA Standards	Locking Ball Quantity	Air Inclusion	Fluid Loss	Vacuum inch HG	Flow ΔP = 15 PSI
¼	ISO16028	-	12	n/a	0.010cc	N/R	12.11 LPM
⅜	ISO16028	T3.20.15	12	n/a	0.010cc	N/R	41.64 LPM
½	ISO16028	-	12	n/a	0.010cc	N/R	68.14 LPM
⅝	ISO16028	-	12	n/a	0.020cc	N/R	79.49 LPM
¾	ISO16028	-	12	n/a	0.030cc	N/R	106.00 LPM
1	ISO16028	-	12	n/a	0.030cc	N/R	189.27 LPM
1½	-	-	18	n/a	0.050cc	N/R	529.96 LPM
2	-	-	20	n/a	0.070cc	N/R	851.72 LPM

HT-Series Correct Connect® ISO16028 Flushface





Colour Bands Part Number Guide

Body Size (inch)	Description	Part Numbers				
		Blue	Orange	Green	Yellow	Red
¼	Coupler Band	2HTBAND-B	2HTBAND-O	2HTBAND-G	2HTBAND-Y	2HTBAND-R
¼	Plug Band	HT2BAND-B	HT2BAND-O	HT2BAND-G	HT2BAND-Y	HT2BAND-R
⅜	Coupler Band	3HTBAND-B	3HTBAND-O	3HTBAND-G	3HTBAND-Y	3HTBAND-R
⅜	Plug Band	HT3BAND-B	HT3BAND-O	HT3BAND-G	HT3BAND-Y	HT3BAND-R
½	Coupler Band	4HTBAND-B	4HTBAND-O	4HTBAND-G	4HTBAND-Y	4HTBAND-R
½	Plug Band	HT4BAND-B	HT4BAND-O	HT4BAND-G	HT4BAND-Y	HT4BAND-R
⅝	Coupler Band	5HTBAND-B	5HTBAND-O	5HTBAND-G	5HTBAND-Y	5HTBAND-R
⅝	Plug Band	HT5BAND-B	HT5BAND-O	HT5BAND-G	HT5BAND-Y	HT5BAND-R
¾	Coupler Band	6HTBAND-B	6HTBAND-O	6HTBAND-G	6HTBAND-Y	6HTBAND-R
¾	Plug Band	HT6BAND-B	HT6BAND-O	HT6BAND-G	HT6BAND-Y	HT6BAND-R
1	Coupler Band	8HTBAND-B	8HTBAND-O	8HTBAND-G	8HTBAND-Y	8HTBAND-R
1	Plug Band	HT8BAND-B	HT8BAND-O	HT8BAND-G	HT8BAND-Y	HT8BAND-R

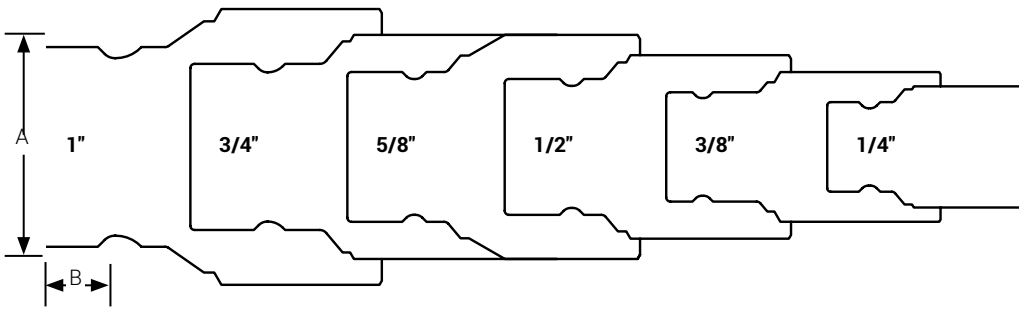
Product Group: AP08

Available Options

Body Size (inch)	Standard Seal Options						Kalrez® Seal Options			Treatments
	FKM	EPDM	FDA FKM	Mil-Nitrile	Fuel Nitrile	Silicone	4079	6375	7075	Oxy-Clean
¼	F-	P-	D-	M-	JF-	S-	K4-	K6-	K7-	-C1
⅜	F-	P-	D-	M-	JF-	S-	K4-	K6-	K7-	-C1
½	F-	P-	D-	M-	JF-	S-	K4-	K6-	K7-	-C1
⅝	F-	P-	D-	M-	JF-	S-	K4-	K6-	K7-	-C1
¾	F-	P-	D-	M-	JF-	S-	K4-	K6-	K7-	-C1
1	F-	P-	D-	M-	JF-	S-	K4-	K6-	K7-	-C1
1½	F-	P-	D-	M-	JF-	S-	K4-	K6-	K7-	-C1
2"	F-	P-	D-	M-	JF-	S-	K4-	K6-	K7-	-C1

HT Series Profile

Body Size (inch)	A (mm)	B (mm)
¼	16.26	5.59
⅜	19.81	4.83
½	24.64	9.91
⅝	26.92	9.91
¾	29.97	11.43
1	36.07	10.92

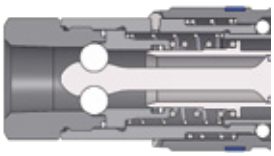


HT-Series ISO16028 Flushface Interchange Coupler

Female Thread

Materials & Sizes

- Steel Body: 1/4" to 1" with NPT & BSPP thread sizes 1/4" to 1¼"
- Steel Body: 1/4" to 1" with O-ring boss thread sizes 9/16", 3/4", 7/8", $1^{1}/_{16}$", $1^{5}/_{16}$ or 1⅝
- Stainless Steel Body: 3/8" to 1" with NPT & BSPP thread sizes 3/8" to 1¼"

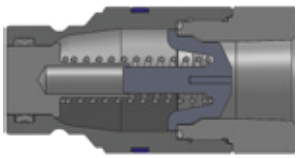



HT-Series ISO16028 Flushface Interchange Plug

Female Thread

Materials & Sizes

- Steel Body: 1/4" to 1" with NPT & BSPP thread sizes 1/4" to 1¼"
- Steel Body: 1/4" to 1" with O-ring boss thread sizes 9/16", 3/4", 7/8", $1^{1}/_{16}$", $1^{5}/_{16}$ or 1⅝
- Stainless Steel Body: 3/8" to 1" with NPT & BSPP thread sizes 3/8" to 1¼"

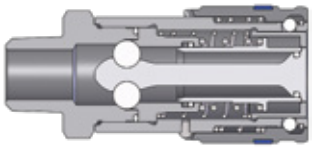



HT-Series ISO16028 Flushface Interchange Coupler

Male Thread

Materials & Sizes

- Steel Body: 3/8" & 1/2" with NPT thread sizes 3/8" & 1/2"

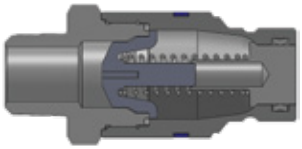



HT-Series ISO16028 Flushface Interchange Plug

Male Thread

Materials & Sizes

- Steel Body: 3/8" & 1/2" with NPT thread sizes 3/8" & 1/2"

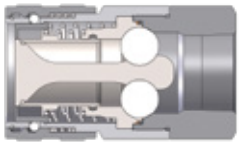



HT-Series ISO16028 Flushface Interchange Coupler

Female Thread

Materials & Sizes

- Steel Body: 1½" & 2" with NPT & BSPP thread sizes 1½" & 2"
- Steel Body: 1½" & 2" with O-ring boss thread sizes $1^{7}/_{8}$" or 2½"

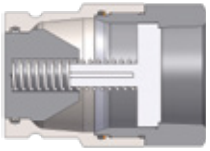


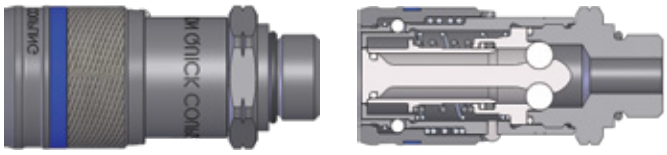

HT-Series ISO16028 Flushface Interchange Plug

Female Thread

Materials & Sizes

- Steel Body: 1½" & 2" with NPT & BSPP thread sizes 1½" & 2"
- Steel Body: 1½" & 2" with O-ring boss thread sizes 1⅞" or 2½"



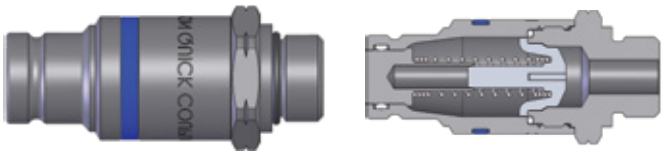



HT-Series ISO16028 Flushface Interchange Coupler

Male ORB Thread

Materials & Sizes

- Steel Body: 3/8" with O-ring boss thread sizes 9/16" or 3/4"

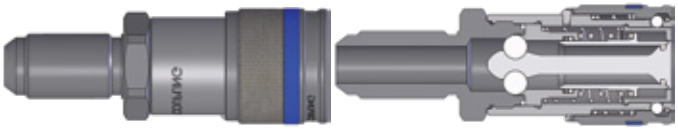


HT-Series ISO16028 Flushface Interchange Plug

Male ORB Thread

Materials & Sizes

- Steel Body: 3/8" with O-ring boss thread sizes 9/16" or 3/4"

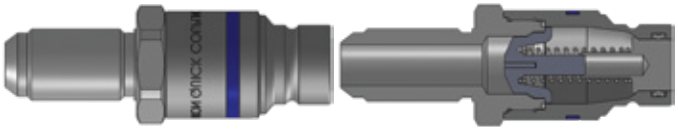


HT-Series ISO16028 Flushface Interchange Coupler

Male Bulkhead Thread

Materials & Sizes

- Steel Body: 1/2" with ORFS Bulkhead threads 13/16", 1" or $1^{3}/_{16}$"
- Steel Body: 1/2" with JIC Bulkhead threads 7/8" or $1^{1}/_{16}$"

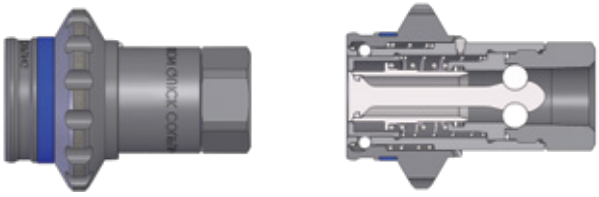


HT-Series ISO16028 Flushface Interchange Plug

Male Bulkhead Thread

Materials & Sizes

- Steel Body: 1/2" with ORFS Bulkhead threads 13/16", 1" or $1^{3}/_{16}$"
- Steel Body: 1/2" with JIC Bulkhead threads 7/8" or $1^{1}/_{16}$"

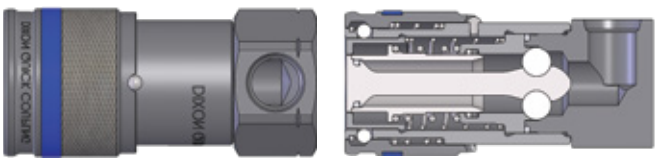


HT-Series ISO16028 Flushface Interchange Coupler

Flange Sleeve

Materials & Sizes

- Steel Body: 1/4" to 1" with NPT thread sizes 1/4" to 1"



HT-Series Flushface 90° Coupler

Female Thread

Materials & Sizes

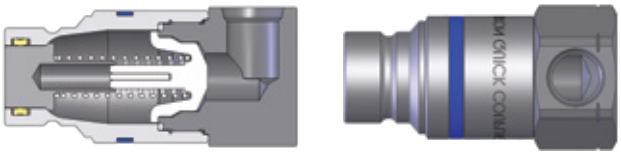
- Steel Body: 1/2" with O-ring boss thread sizes 9/16" or 3/4"

HT-Series Flushface 90° Plug

Female Thread

Materials & Sizes

- Steel Body: 1/2" with O-ring boss thread sizes 9/16" or 3/4"



HT-Series ISO16028 Flushface Plug

Body Size (inch)	Part Numbers		Material
	Dust Plug	Dust Cap	
¼	2HTDP	HT2DC	Nitrile
⅜	3HTDP	HT3DC	Nitrile
½	4HTDP	HT4DC	Nitrile
⅝	5HTDP	HT5DC	Nitrile
¾	6HTDP	HT6DC	Nitrile
1	8HTDP	HT8DC	Nitrile

Product Group: AP08



Dust Plug



Dust Cap

HT-Series ISO16028 Flushface Interchange Coupler

Seal Kits

Body Size (inch)	Part Numbers	Coupler Style	Seal Material	Seal Kit Contents
¼	2HT-SKIT	All	Nitrile	Stem/adaptor/gland O-ring, gland B.U.
⅜	3HT-SKIT	All	Nitrile	Stem/adaptor/gland O-ring, gland B.U.
½	4HT-SKIT	All	Nitrile	Stem/adaptor/gland O-ring, gland B.U.
⅝	5HT-SKIT	All	Nitrile	Stem/adaptor/gland O-ring, gland B.U.
¾	6HT-SKIT	All	Nitrile	Stem/adaptor/gland O-ring, gland B.U.
1	8HT-SKIT	All	Nitrile	Stem/adaptor/gland O-ring, gland B.U.

Product Group: AP08

HT-Series ISO16028 Flushface Interchange Plug

Seal Kits

Body Size (inch)	Part Numbers	Coupler Style	Seal Material	Seal Kit Contents
¼	HT2-SKIT-V2	All	Nitrile	Main valve seal and adaptor O-ring
⅜	HT3-SKIT-V2	All	Nitrile	Main valve seal and adaptor O-ring
½	HT4-SKIT-V2	All	Nitrile	Main valve seal and adaptor O-ring
⅝	HT5-SKIT-V2	All	Nitrile	Main valve seal and adaptor O-ring
¾	HT6-SKIT-V2	All	Nitrile	Main valve seal and adaptor O-ring
1	HT8-SKIT-V2	All	Nitrile	Main valve seal and adaptor O-ring

Product Group: AP08

HT-Series ISO16028 Flushface Part Numbers

Male Thread

Body Size (inch)	Threads (inch)	Part Numbers					
		Coupler Male Thread	Plug Male Thread	Coupler Male ORB Thread	Plug Male ORB Thread	Coupler Male Bulkhead Thread	Plug Male Bulkhead Thread
⅜	⅜":18 NPT	3HTM3	HT3M3	-	-	-	-
⅜	½":14 NPT	3HTM4	HT3M4	-	-	-	-
⅜	9/16":18 ORB	-	-	3HTOM3	HT3OM3	-	-
⅜	¾":16 ORB	-	-	3HTOM4	HT3OM4	-	-
½	½":14 NPT	4HTM4	HT4M4	-	-	-	-
½	13/16":16 ORFS BH	-	-	-	-	4HTRB4	HT4RB4
½	7/8":14 JIC BH	-	-	-	-	4HTJB5	HT4JB5
½	1":14 ORFS BH	-	-	-	-	4HTRB5	HT4RB5
½	13/16":12 ORFS BH	-	-	-	-	4HTRB6	HT4RB6
½	11/16":12 JIC BH	-	-	-	-	4HTJB6	HT4JB6

Product Group: AP08

HT-Series ISO16028 Flushface Part Numbers

Female Thread

Body Size (inch)	Threads (inch)	Part Numbers				
		Coupler Female Thread	Plug Female Thread	Coupler Female ORB Thread	90° Coupler Female ORB Thread	90° Plug Female ORB Thread
¼	¼":18 NPT	-	-	2HTF2-FS	-	-
⅜	⅜":18 NPT	-	-	3HTF3-FS	-	-
½	½":14 NPT	-	-	4HTF4-FS	-	-
½	9/16":18 ORB	-	-	-	4HT9OF3	HT49OF3
½	¾":16 ORB	-	-	-	4HT9OF4	HT49OF4
¾	¾":14 NPT	-	-	6HTF6-FS	-	-
1	1":11½" NPT	-	-	8HTF8-FS	-	-
1½	1½":11½" NPT	12HTF12	HT12F12	-	-	-
1½	1½":11 BSPP	12HTBF12	HT12BF12	-	-	-
1½	1⅞":12 ORB	12HTOF12	HT12OF12	-	-	-
2	2":11½" NPT	16HTF16	HT16F16	-	-	-
2	2":11 BSPP	16HTBF16	HT16BF16	-	-	-
2	2½"":12 ORB	16HTOF16	HT16OF16	-	-	-

Product Group: AP08

HT-Series Correct Connect® ISO16028 Flushface Part Numbers

Body Size (inch)	Thread Size (inch)	Part Numbers		Body Material	Hex (inch)
		Coupler Female Thread	Plug Female Thread		
¼	¼:18 NPT	2HTF2	HT2F2	Steel	⅞
¼	¼:19 BSPP	2HTBF2	HT2BF2	Steel	⅞
¼	9/16:18 ORB	2HTOF3	HT2OF3	Steel	⅞
⅜	⅜:18 NPT	3HTF3	HT3F3	Steel	1
⅜	⅜:18 NPT	3HTF3-SS	HT3F3-SS	316 Stainless	1
⅜	⅜:19 BSPP	3HTBF3	HT3BF3	Steel	1
⅜	⅜:19 BSPP	3HTBF3-SS	HT3BF3-SS	316 Stainless	1
⅜	9/16:18 ORB	3HTOF3	HT3OF3	Steel	1
⅜	½:14 NPT	3HTF4	HT3F4	Steel	1⅛
⅜	½":14 NPT	3HTF4-SS	HT3F4-SS	316 Stainless	1⅛
⅜	½:14 BSPP	3HTBF4	HT3BF4	Steel	1⅛
⅜	½:14 BSPP	3HTBF4-SS	HT3BF4-SS	316 Stainless	1⅛
⅜	¾:16 ORB	3HTOF4	HT3OF4	Steel	1⅛
½	½:14 NPT	4HTF4	HT4F4	Steel	13/16
½	½"- 14 NPT	4HTF4-SS	HT4F4-SS	316 Stainless	13/16
½	½:14 BSPP	4HTBF4	HT4BF4	Steel	13/16
½	½:14 BSPP	4HTBF4-SS	HT4BF4-SS	316 Stainless	13/16
½	¾:16 ORB	4HTOF4	HT4OF4	Steel	13/16
½	7/8:14 ORB	4HTOF5	HT4OF5	Steel	15/16
½	¾:14 NPT	4HTF6	HT4F6	Steel	15/16
½	¾:14 NPT	4HTF6-SS	HT4F6-SS	316 Stainless	15/16
½	¾":14 BSPP	4HTBF6	HT4BF6	Steel	15/16
½	¾:14 BSPP	4HTBF6-SS	HT4BF6-SS	316 Stainless	15/16
½	1 1/16:12 ORB	4HTOF6	HT4OF6	Steel	15/16
⅝	7/8:14 ORB	5HTOF5	HT5OF5	Steel	1½
⅝	¾:14 NPT	5HTF6	HT5F6	Steel	1½
⅝	¾:14 NPT	5HTF6-SS	HT5F6-SS	316 Stainless	1½
⅝	¾:14 BSPP	5HTBF6	HT5BF6	Steel	1½
⅝	¾:14 BSPP	5HTBF6-SS	HT5BF6-SS	316 Stainless	1½
⅝	1 1/16:12 ORB	5HTOF6	HT5OF6	Steel	1½
¾	7/8:14 ORB	6HTOF5	HT6OF5	Steel	1½
¾	¾:14 NPT	6HTF6	HT6F6	Steel	1½
¾	¾:14 NPT	6HTF6-SS	HT6F6-SS	316 Stainless	1½
¾	¾:14 BSPP	6HTBF6	HT6BF6	Steel	1½
¾	¾:14 BSPP	6HTBF6-SS	HT6BF6-SS	316 Stainless	1½
¾	1 1/16:12 ORB	6HTOF6	HT6OF6	Steel	1½
¾	1:11½ NPT	6HTF8	HT6F8	Steel	1¾
¾	1:11½ NPT	6HTF8-SS	HT6F8-SS	316 Stainless	1¾
¾	1:11 BSPP	6HTBF8	HT6BF8	Steel	1¾
¾	1:11 BSPP	6HTBF8-SS	HT6BF8-SS	316 Stainless	1¾
¾	15/16:12 ORB	6HTOF8	HT6OF8	Steel	1¾
1	1:11½ NPT	8HTF8	HT8F8	Steel	1¾
1	1:11½ NPT	8HTF8-SS	HT8F8-SS	316 Stainless	1¾
1	1:11 BSPP	8HTBF8	HT8BF8	Steel	1¾
1	1:11 BSPP	8HTBF8-SS	HT8BF8-SS	316 Stainless	1¾
1	15/16:12 ORB	8HTOF8	HT8OF8	Steel	1¾
1	1¼:11½ NPT	8HTF10	HT8F10	Steel	2
1	1¼:11½ NPT	8HTF10-SS	HT8F10-SS	316 Stainless	2
1	1¼:11 BSPP	8HTBF10	HT8BF10	Steel	2
1	1¼:11 BSPP	8HTBF10-SS	HT8BF10-SS	316 Stainless	2
1	1⅝:12 ORB	8HTOF10	HT8OF10	Steel	2
1½	1½":11½" NPT	12HTF12	HT12F12	Steel	2½
1½	1½":11 BSPP	12HTBF12	HT12BF12	Steel	2½
1½	1⅞":12 ORB	12HTOF12	HT12OF12	Steel	2½
2	2":11½" NPT	16HTF16	HT16F16	Steel	3
2	2":11 BSPP	16HTBF16	HT16BF16	Steel	3
2	2½"":12 ORB	16HTOF16	HT16OF16	Steel	3

Product Group: AP08

HTE-Series Correct Connect® ISO16028

Connect Under Pressure Flushface Female Threaded Plug

Interchange Data

- Parker FEC-Series, Stucchi APM-Series, Faster 3FFH-Series

Materials

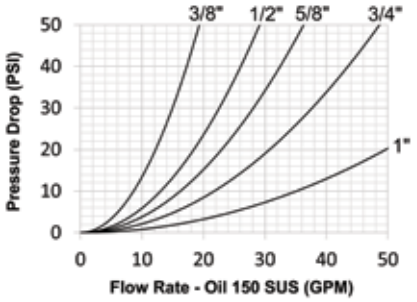
- Machined components are manufactured using solid steel bar stock
- Steel componentry is plated using ROHS-compliant zinc-nickel process providing corrosion resistance
- Stainless steel retaining rings and springs maximise corrosion resistance and extend service life
- Plugs are hardened to provide resistance to brinelling during impulse service

Seal Components

- 3/8", 1/2", 3/4", and 1" plugs have moulded polyurethane valve seals, with a temperature range of -54°C to 100°C
- 5/8" plugs have nitrile-energised PTFE valve seals, with a temperature range of -40°C to 121°C
- Ancillary plug seals are Nitrile (Buna-N), with a temperature range of -40°C to 121°C
- Backup rings for all sizes are PTFE

Component Terminology

- Non-linear connection force at many pressures
- No maximum connection-pressure restrictions
- Head pressure or valve bleed-by has minimal effect on connection force
- Less susceptible to system contamination
- Design is scalable performing similarly in many sizes
- Smooth connection action



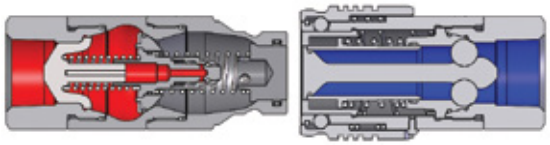
Rated Pressure Chart

Body Size (inch)	Steel HT Coupler/ HTE-Plug Coupled				HTE-Plug Uncoupled				Air Inclusion	Fluid Loss	Vacuum inch HG	Flow ΔP = 14.5 PSI
	Working Pressure		Burst Pressure		Working Pressure		Burst Pressure					
	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar				
⅜	5,000	345	20,000	1,380	5,000	345	20,000	1,380	n/a	0.010cc	N/R	35.96 LPM
½	5,000	345	20,000	1,380	5,000	345	20,000	1,380	n/a	0.010cc	N/R	56.78 LPM
⅝	5,000	345	20,000	1,380	5,000	345	20,000	1,380	n/a	0.020cc	N/R	68.14 LPM
¾	5,000	345	20,000	1,380	5,000	345	20,000	1,380	n/a	0.030cc	N/R	90.85 LPM
1	5,000	345	20,000	1,380	5,000	345	20,000	1,380	n/a	0.030cc	N/R	166.56 LPM

The Equalizer Connection Process

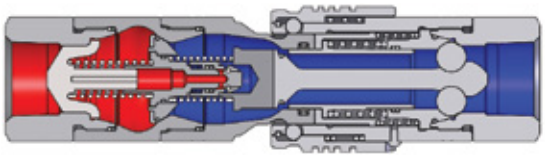
Stage 1: The Disconnected State

The plug has residual pressure trapped behind the primary valve, while the coupler has no trapped pressure



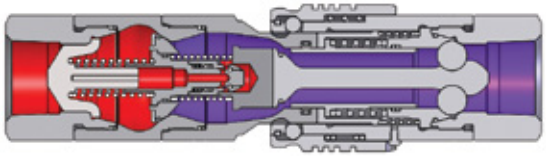
Stage 2: Plug Chamber Evacuated

The plug valve is opened, then the socket valve opens, evacuating the plug chamber to the unpressurised socket



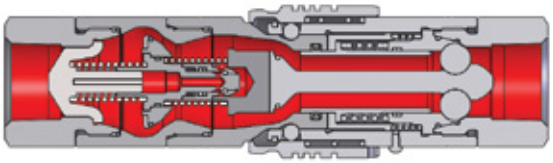
Stage 3: Release Pressure

The connection continues, with the valve being activated, releasing the trapped pressure into the plug chamber, then to the unpressurised socket



Stage 4: Complete the Connection

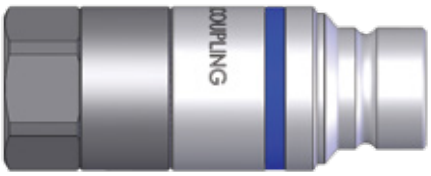
The primary valve can now open easily, since there is no longer any pressure trapped behind it, allowing the socket to fully engage the plug

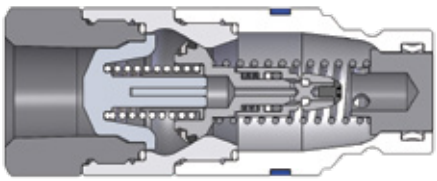


HTE-Series Correct Connect® ISO16028 Part Numbers

Connect Under Pressure Flushface Female Threaded Plug

For Use With HT-Series Couplers





Female Thread

Body Size (inch)	Part Numbers	Threads	Body Material	Length (mm)	Maximum OD (mm)	Hex (inch)
⅜	HTE3F3	⅜":18 NPT	Steel	81.4	33.3	1 3/16
⅜	HTE3F4	½":14 NPT	Steel	82.6	33.0	1⅛
⅜	HTE3BF4	½":14 BSPP	Steel	82.6	33.0	1⅛
⅜	HTE3OF4	¾":16 ORB	Steel	82.6	33.0	1⅛
½	HTE4F4	½":14 NPT	Steel	86.4	33.0	1 3/16
½	HTE4BF4	½":14 BSPP	Steel	86.4	33.0	1 3/16
½	HTE4OF4	¾":16 ORB	Steel	86.4	33.0	1 3/16
½	HTE4OF5	⅞":14 ORB	Steel	86.4	33.0	1½
½	HTE4F6	¾":14 NPT	Steel	91.4	41.9	1½
½	HTE4BF6	¾":14 BPSS	Steel	91.4	41.9	1½
½	HTE4OF6	¾:12 ORB	Steel	91.4	41.9	1½
⅝	HTE5OF5	⅞":14 ORB	Steel	95.3	41.9	1½
⅝	HTE5F6	¾":14 NPT	Steel	95.3	41.9	1½
⅝	HTE5BF6	¾":14 BSPP	Steel	95.3	41.9	1½
⅝	HTE5OF6	¾:12 ORB	Steel	95.3	41.9	1½
¾	HTE6F6	¾":14 NPT	Steel	108.0	49.8	1½
¾	HTE6BF6	¾":14 BSPP	Steel	108.0	49.8	1½
¾	HTE6OF6	¾- 12 ORB	Steel	108.0	49.8	1½
¾	HTE6F8	1":11½" NPT	Steel	111.8	49.8	1¾
¾	HTE6BF8	1":11 BSPP	Steel	111.8	49.8	1¾
¾	HTE6OF8	1 5/16"":12 ORB	Steel	111.8	49.8	1¾
1	HTE8F8	1":11½" NPT	Steel	124.0	49.8	1¾
1	HTE8BF8	1":11 BSPP	Steel	124.0	49.8	1¾
1	HTE8OF8	1 5/16"":12 ORB	Steel	124.0	49.8	1¾
1	HTE8F10	1¼":11½" NPT	Steel	127.0	62.7	2 3/16
1	HTE8BF10	1¼":11 BSPP	Steel	127.0	62.7	2 3/16
1	HTE8OF10	1⅝":12 ORB	Steel	127.0	62.7	2 3/16

Product Group: AP08

HTZ-Series ISO160128 Flushface

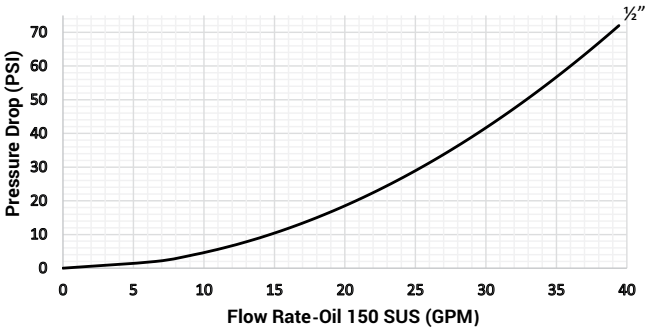
Connect Under Pressure Flushface Female Threaded Coupler

Interchange Data

- Interchangeable to ISO16028

Materials

- Machined components are manufactured using solid steel or 316 stainless steel bar stock
- Stainless steel balls, retaining rings, and springs maximise corrosion resistance and extend service life
- Steel componentry is plated using ROHS-compliant zinc-nickel for corrosion resistance
- Steel coupler sleeves are hardened to resist deformation and maximise service life
- Steel plugs are hardened to provide resistance to brinelling during impulse service

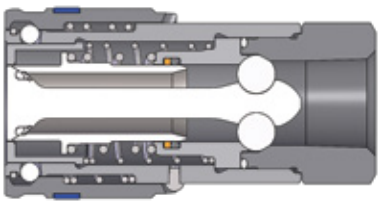


Seal Components

- 1/2"plugs have moulded polyurethane valve seals, with a temperature range of -54°C to 100°C
- Couplers have a polyurethane valve stem O-ring, with a temperature range of -54°C to 100°C
- Ancillary coupler and plug seals are Nitrile (Buna-N), with a temperature range of -40°C to 121°C)
- PTFE or TPC-ET anti-extrusion ring protects the main coupling valve seal from dynamic impulse pressure damage

Rated Pressure Chart

Body Size (inch)	Steel Coupler/Plug Coupled				316 SS Coupler/Plug Coupled				Steel Coupler Uncoupled				Steel Plug Uncoupled			
	Max. Working		Burst		Max. Working		Burst		Max. Working		Burst		Max. Working		Burst	
	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar
½	5,000	345	20,000	1,379	3,400	234	17,000	1,172	5,000	345	20,000	1,379	5,000	345	20,000	1,379





Body Size (inch)	Coupler Part Details			Length (mm)	Maximum OD (mm)	Hex (inch)
	Part Numbers	Threads	Material			
½	4HTZF4	½:14 NPT	Steel	76.20	39.12	1 3/16
	4HTZF6	¾:14 NPT	Steel	81.79	41.91	1½
	4HTZOF4	¾:16 ORB	Steel	76.20	39.12	1 3/16
	4HTZOF5	⅞:14 ORB	Steel	81.79	41.91	1½
	4HTZOF6	¾:12 ORB	Steel	81.79	41.91	1½

Product Group: AP08

HT-AG Series

Materials

- Machined components are manufactured using solid bar stock
- Stainless steel balls, retaining rings, and springs maximise corrosion resistance and extend the service life
- Steel componentry is plated using ROHS-compliant trivalent chrome
- Steel coupler sleeves are hardened to resist deformation and maximise service life

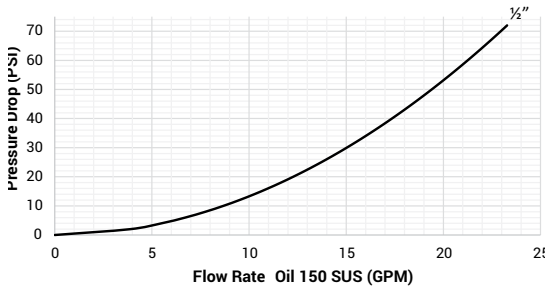
Seal Components

- HT-series couplers have polyurethane valve stem O-ring, with a temperature range of -54°C to 100°C
- Ancillary HT-series coupler seals are Nitrile (Buna-N), with a temperature range of -40°C to 121°C
- PTFE or TPC-ET anti-extrusion ring protects the main coupling valve seal from dynamic impulse pressure damage
- Nitrile (Buna-N) seals are standard in AG-series coupler and plug
- AG-series couplers have a PTFE anti-extrusion ring

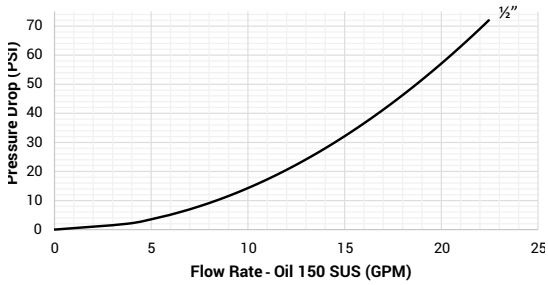
Interchange Data

- Agricultural Interchange, Parker/Pioneer 4000 Series, Faster NS/NV-Series, Safeway Series-S20, and Stucchi IR-Series
- Conforms to ISO16028 interchange standard, with Eaton/Hansen FF, Parker FEM, Faster FFH/2FFN/2FFI, Stucchi A/FIRG, and Holmbury HQ/A/FIMC

4AGHT4 Flow Chart

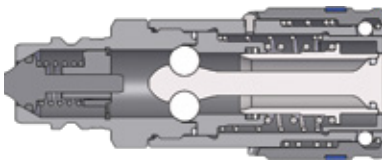


4HTAG4 Flow Chart



HT-AG-Series Flushface ISO16028 Coupler x ISO07241-A AG Plug Adaptor



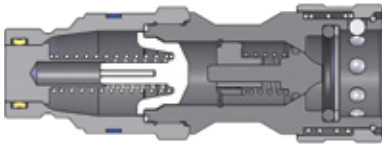


Body Size (inch)	Part Number	Body Material	Length (mm)	Maximum OD (mm)
½	4HTAG4	Steel	98.81	39.88

Product Group: AP08

HT-AG-Series ISO7241-A Coupler x ISO16028 Flushface Plug Adaptor





Body Size (inch)	Part Number	Body Material	Length (mm)	Maximum OD (mm)
½	4AGHT4	Steel	105.41	38.35

Product Group: AP08

XK-Series High-Pressure 10K Flushface

Materials

- Machined components are manufactured using solid bar stock
- Stainless steel balls, retaining rings, and springs maximise corrosion resistance and extend the service life
- Steel componentry is plated using ROHS-compliant zinc nickel for corrosion resistance
- Steel plugs are hardened to provide resistance to brinelling

Seal Components

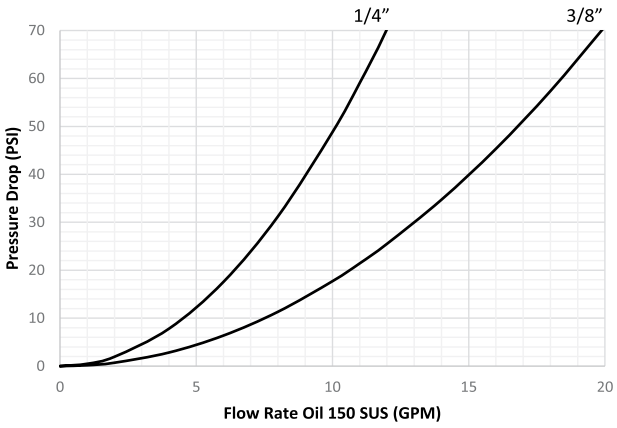
- Plugs have moulded polyurethane valve seals, with a temperature range of -54°C to 100°C
- Couplers have a polyurethane valve stem O-ring, with a temperature range of -54°C to 100°C
- Ancillary coupler and plug seals are Nitrile (Buna-N), with a temperature range of -40°C to 121°C
- PTFE or TPC-ET anti-extrusion ring protects the main coupling valve seal from dynamic impulse pressure damage

Features

- Automatic locking mechanism

Interchange Data

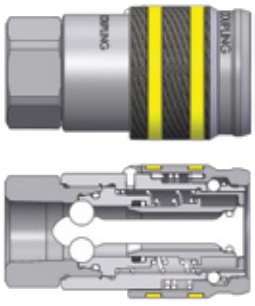
- 10K Flushface
- Interchanges with Parker FH-Series



Rated Pressure Chart

Body Size (inch)	Maxmum Working		Connected Burst		Disconnected Burst Coupler		Disconnected Burst Plug	
	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar
⅜	10,000	690	30,000	2068	28,000	1930	27,000	1860

XK-Series 10K Flushface Coupler



Female Thread

Body Size (inch)	Part Details			Length (mm)	Maximum OD (mm)	Hex (inch)
	Part Number	Threads	Material			
⅜	3XKF3	⅜":18 NPT	Steel	61.21	33.27	1

Product Group: AP08

XK-Series 10K Flushface Plug



Female Thread

Body Size (inch)	Part Details			Length (mm)	Maximum OD (mm)	Hex (inch)
	Part Number	Threads	Material			
⅜	XK3F3	⅜":18 NPT	Steel	63.5	27.18	1

Product Group: AP08

ST-Series Heavy-Duty Flushface Snap-Tite 71 Interchange

Materials

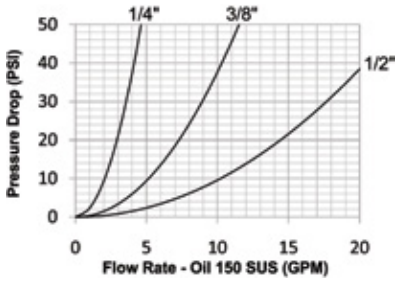
- Machined components are manufactured using solid steel or 316 stainless steel bar stock
- Stainless steel balls, retaining rings and springs maximise corrosion resistance and extend service life
- Steel componentry is plated using ROHS-compliant trivalent chrome
- Steel coupler sleeves are hardened to resist deformation and maximise service life
- Steel nipples are hardened to provide heavy-duty performance.

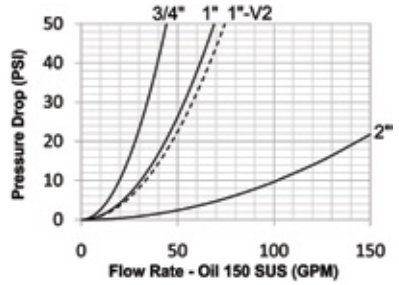
Seal Components

- Nitrile (Buna-N) seals are standard, providing a temperature range of -40°C to 121°C
- All couplers & nipples incorporate PTFE or TPC-ET anti-extrusion rings to protect the seal components from dynamic impulse damage

Interchange Data

- Interchangeable with Snap-Tite 71-Series





Rated Pressure Chart

Size (inch)	Steel Coupler/Plug Coupled				316 SS Coupler/Plug Coupled			
	Working Pressure		Burst Pressure		Working Pressure		Burst Pressure	
	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar
¼	10000	700	27300	1800	5000	345	28000	1900
⅜	10000	700	27300	1800	5000	345	28000	1900
½	10000	700	22500	1500	5000	345	25000	1700
¾	7500	500	20200	1400	5000	345	22800	1550
1	7500	500	19400	1300	4000	275	18500	1250
1-V2	8500	585	25900	1750	-	-	-	-
2	5000	345	16000	1100	3000	200	10000	700

Please note: Minimum burst pressure ratings were established under laboratory conditions using a Static Burst Unit (SBU). For high impulse applications and to meet Det Norske Veritas (DNV) compliance, the burst pressure must be divided by four (4) to ensure a 4:1 safety factor during system operation

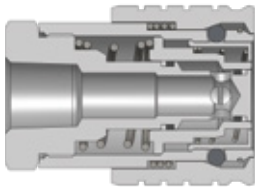
Body Size (inch)	Functional Parameters				
	Locking Ball Quantity	Air Inclusion	Fluid Loss	Vacuum inch HG	Flow ΔP = 15 PSI
¼	10	0.01cc	0.02cc	N/R	11.7
⅜	10	0.02cc	0.02cc	N/R	29
½	12	0.03cc	0.03cc	N/R	57
¾	12	0.04cc	0.06cc	N/R	114
1	12	0.06cc	0.07cc	N/R	170
1-V2	12	0.09cc	0.10cc	N/R	190
2	15	3.14cc	5.25cc	N/R	568

- Although a special lubricant is used to protect the flushface seals during pre-service storage, the seals are still vulnerable until they are exposed to the system fluid
- It is recommended to lubricate the seals before the first connection by placing a drop of oil into the main valve grooves on the face of the nipple and coupler

ST-Series Heavy-Duty Flushface Couplers

Female Thread





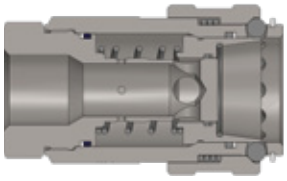
Materials & Sizes

- Steel Body: 1/4" to 1" with NPT & BSPP thread sizes 1/4" to 1¼"
- Steel Body: 1/2" & 1" with O-ring boss thread sizes 3/4", 1 1/16", 1 5/16" or 1 5/8"
- Stainless Steel Body: 1/4" to 1" with NPT & BSPP thread sizes 1/4" to 1¼"

ST-Series 'Old Style' Couplers

Female Thread





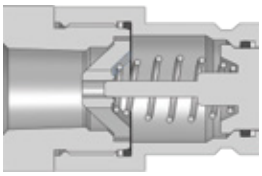
Materials & Sizes

- Steel Body: 1" & 2" with NPT & BSPP thread sizes 1" to 2"
- Steel Body: 2" with O-ring boss thread sizes 1⅞" & 2½"
- Stainless Steel Body: 2" with NPT thread size 2"

ST-Series Heavy-Duty Flushface Nipples

Female Thread





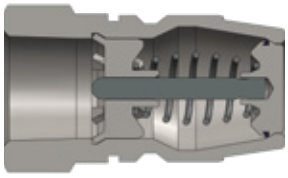
Materials & Sizes

- Steel Body: 1/4" to 1" with NPT & BSPP thread sizes 1/4" to 1¼"
- Steel Body: 1/2" & 1" with O-ring boss thread sizes 3/4", 1 1/16", 1 5/16" or 1 5/8"
- Stainless Steel Body: 1/4" to 1" with NPT & BSPP thread sizes 1/4" to 1¼"

ST-Series 'Old Style' Nipples

Female Thread





Materials & Sizes

- Steel Body: 1" & 2" with NPT & BSPP thread sizes 1" to 2"
- Steel Body: 2" with O-ring boss thread sizes 1 7/8" & 2½"
- Stainless Steel Body: 2" with NPT thread size 2"

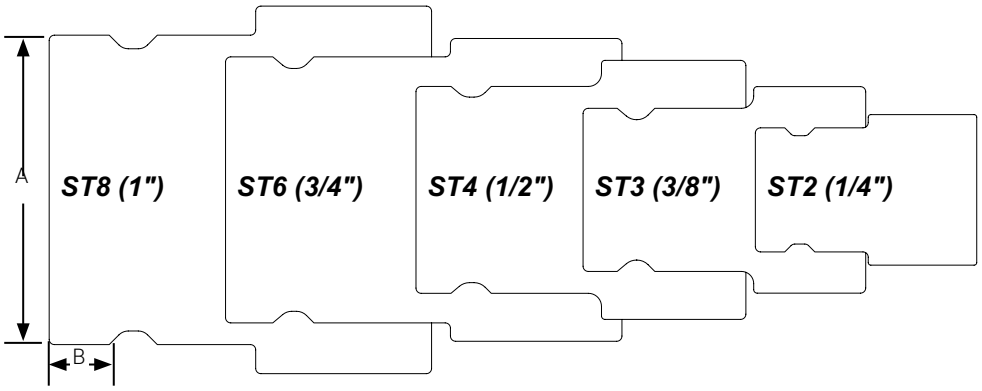
ST-Series Coupler Rigid Dust Plugs



Body Size (inch)	Part Numbers	Cap Lanyard	Body Material
¼	ST2DC-A	Steel Cable	Aluminium
⅜	ST3DC-A	Steel Cable	Aluminium
½	ST4DC-A	Steel Cable	Aluminium
¾	ST6DC-A	Steel Cable	Aluminium
1	ST8DC-A	Steel Cable	Aluminium
1-V2	ST8DC-A-V2	Steel Cable	Aluminium
2	ST16DC-A	Steel Cable	Aluminium

Product Group: AP07

ST-Series Profiles



Body Size (inch)	A (mm)	B (mm)
¼	20.06	4.31
⅜	23.62	5.08
½	29.97	5.08
¾	38.61	6.86
1	44.96	8.64
ST8-V2 1	40.13	18.03
2	67.06	30.73

ST-Series Heavy-Duty Flushface Coupler

Seal Kits

Body Size (inch)	Part Numbers	Coupler Style	Seal Material	Seal Kit Contents
¼	2ST-SKIT	All	Nitrile	Two Seals & anti-extrusion Rings
⅜	3ST-SKIT	All	Nitrile	Two Seals & anti-extrusion Rings
½	4ST-SKIT	All	Nitrile	Two Seals & anti-extrusion Rings
¾	6ST-SKIT	All	Nitrile	Two Seals & anti-extrusion Rings
1	8ST-SKIT	All	Nitrile	Two Seals & anti-extrusion Rings
1-V2	8ST-SKIT-V2	All	Nitrile	Three Seals & Two anti-extrusion Rings
2	16ST-SKIT	All	Nitrile	Three Seals & Two anti-extrusion Rings

NPT & ORB thread styles also available
A complete range of seal options are available

Product Group: AP07

ST-Series Heavy-Duty Flushface Plug

Seal Kits

Body Size (inch)	Part Numbers	Coupler Style	Seal Material	Seal Kit Contents
¼	ST2-SKIT	All	Nitrile	Valve O-ring/Backup & Adaptor O-ring
⅜	ST3-SKIT	All	Nitrile	Valve O-ring/Backup & Adaptor O-ring
½	ST4-SKIT	All	Nitrile	Valve O-ring/Backup & Adaptor O-ring
¾	ST6-SKIT	All	Nitrile	Valve O-ring/Backup & Adaptor O-ring
1	ST8-SKIT	All	Nitrile	Valve O-ring/Backup & Adaptor O-ring
2	ST16-SKIT	All	Nitrile	Main Valve Seal

NPT & ORB thread styles also available
A complete range of seal options are available

Product Group: AP07

ST-Series Nipple Rigid Dust Caps



Body Size (inch)	Part Numbers	Cap Lanyard	Body Material
¼	2STDP-A	Steel Cable	Aluminium
⅜	3STDP-A	Steel Cable	Aluminium
½	4STDP-A	Steel Cable	Aluminium
¾	6STDP-A	Steel Cable	Aluminium
1	8STDP-A	Steel Cable	Aluminium
1-V2	8STDP-A-V2	Steel Cable	Aluminium
2	16STDP-A	Steel Cable	Aluminium

Product Group: AP07

ST-Series Snap-Tite 71 Interchange Part Numbers

Body Size (inch)	Thread Size (inch)	Part Numbers				Body Material
		Automatic Couplers Female Thread	'Old Style' Couplers Female Thread	Nipples Female Thread	'Old Style' Nipples Female Thread	
¼	¼:18 NPT	2STF2	-	ST2F2	-	Steel
¼	¼:18 NPT	2STF2-SS	-	ST2F2-SS	-	316 SS
¼	¼:19 BSPP	2STBF2	-	ST2BF2	-	Steel
¼	¼:19 BSPP	2STBF2-SS	-	ST2BF2-SS	-	316 SS
⅜	¼:18 NPT	3STF2	-	ST3F2	-	Steel
⅜	⅜:18 NPT	3STF3	-	ST3F3	-	Steel
⅜	⅜:18 NPT	3STF3-SS	-	ST3F3-SS	-	316 SS
⅜	⅜:19 BSPP	3STBF3	-	ST3BF3	-	Steel
⅜	⅜:19 BSPP	3STBF3-SS	-	ST3BF3-SS	-	316 SS
⅜	½:14 NPT	3STF4	-	ST3F4	-	Steel
⅜	½:14 NPT	3STF4-SS	-	ST3F4-SS	-	316 SS
⅜	½:14 BSPP	3STBF4	-	ST3BF4	-	Steel
⅜	½:14 BSPP	3STBF4-SS	-	ST3BF4-SS	-	316 SS
½	½:14 NPT	4STF4	-	ST4F4	-	Steel
½	½:14 NPT	4STF4-SS	-	ST4F4-SS	-	316 SS
½	½:14 BSPP	4STBF4	-	ST4BF4	-	Steel
½	½:14 BSPP	4STBF4-SS	-	ST4BF4-SS	-	316 SS
½	¾:16 ORB	4STOF4	-	ST4OF4	-	Steel
¾	¾:14 NPT	6STF6	-	ST6F6	-	Steel
¾	¾:14 NPT	6STF6-SS	-	ST6F6-SS	-	316 SS
¾	¾:14 BSPP	6STBF6	-	ST6BF6	-	Steel
¾	¾:14 BSPP	6STBF6-SS	-	ST6BF6-SS	-	316 SS
¾	1 1/16:12 ORB	6STOF6	-	ST6OF6	-	Steel
1	1:11½ NPT	8STF8	8STF8-V2	ST8F8	8STF8-V2	Steel
1	1:11½ NPT	8STF8-SS	-	ST8F8-SS	-	316 SS
1	1:11 BSPP	8STBF8	8STBF8-V2	ST8BF8	ST8BF8-V2	Steel
1	1:11 BSPP	8STBF8-SS	-	ST8BF8-SS	-	316 SS
1	1 5/16:12 ORB	8STOF8	-	ST8OF8	-	Steel
1	1¼:11½ NPT	8STF10	8STF10-V2	ST8F10	ST8F10-V2	Steel
1	1¼:11½ NPT	8STF10-SS	-	ST8F10-SS	-	316 SS
1	1¼:11 BSPP	8STBF10	-	ST8BF10	-	Steel
1	1¼:11 BSPP	8STBF10-SS	-	ST8BF10-SS	-	316 SS
1	1⅝:12 ORB	8STOF10	-	ST8OF10	-	Steel
2	1½:11½ NPT	-	16STF12	-	ST16F12	Steel
2	1½:11 BSPP	-	16STBF12	-	ST16BF12	Steel
2	1⅞:12 ORB	-	16STOF12	-	ST16OF12	Steel
2	2:11½ NPT	-	16STF16	-	ST16F16	Steel
2	2:11½ NPT	-	16STF16-SS	-	ST16F16-SS	316 SS
2	2:11 BSPP	-	16STBF16	-	ST16BF16	Steel
2	2½:12 ORB	-	16STOF16	-	ST16OF16	Steel

Product Group: AP07

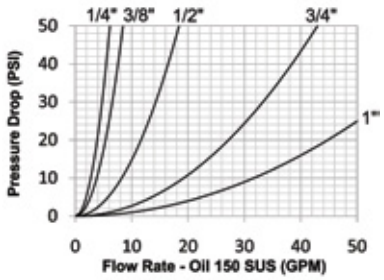
AG-Series Agricultural Interchange

Materials
- Machined components are manufactured using solid steel bar stock
- Stainless steel balls, retaining rings and springs maximise corrosion resistance and extend service life
- Steel componentry is plated using ROHS-compliant trivalent chrome
- Steel coupler sleeves are hardened to resist deformation and maximise service life
- Steel nipples are hardened to provide heavy-duty performance and resist brinelling

Seal Components
- Nitrile (Buna-N) seals are standard providing a temperature range of -40°C to 121°C
- Couplers have a PTFE anti-extrusion ring
- Poppet valve seals are crimped in place to maintain integrity during excessive flow conditions and pressurised connection
- Piloted ball valve has a seal that is crimped to prevent low-pressure leakage

Interchange Data
- Pioneer agricultural interchange
- Parker/Pioneer 4000 Series, Faster NS/NV-Series
- Safeway Series-S20, Stucchi IR-Series, Snap-Tite 60-Series, RYCO R91 & R94 Series

Standards
- AG-Series couplers and nipples are compliant with the parameters outlined in ISO5675 (ISO7241-1 Series A for the ½" size)

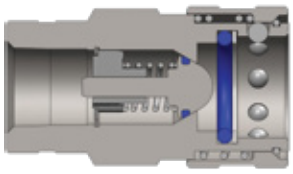


Rated Pressure Chart

Size (inch)	Ball Steel Coupler/Plug				Poppet Steel Coupler/Plug			
	Working Pressure		Burst Pressure		Working Pressure		Burst Pressure	
	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar
¼	4000	275	24400	1700	4000	275	21000	1500
⅜	4000	275	25000	1700	4000	275	23100	1600
½	4000	275	16500	1100	4000	275	16500	1100
¾	3000	200	15800	1050	3000	200	10300	700
1	3000	200	13500	900	3000	200	13000	900

Body Size (inch)	Interchange Standards		Functional Parameters				
	International Standards	ANSI/NFPA Standards	Locking Ball Quantity	Air Inclusion	Fluid Loss	Vacuum inch HG	Flow ΔP = 15 PSI
¼	-	-	8	1.1cc	0.9cc	26.5	15
⅜	-	-	9	2.6cc	1.8cc	26.5	23
½	ISO7241 'A'	-	9	3.8cc	2.9cc	26.5	45
¾	ISO5675	-	12	10.8cc	9.7cc	26.5	106
1	-	-	12	15.9cc	15.3cc	26.5	182

- Dixon™ carries two valve styles for the agricultural coupling series, ball valve and poppet valve. The ball valve coupling has historically provided greater longevity while the poppet valve will improve flow while in operation
- Note: Minimum burst pressure ratings were established under laboratory conditions using a Static Burst Unit (SBU). For high impulse applications and to meet Det Norske Veritas (DNV) compliance, the operating pressure must be divided by two (2) to ensure a 4:1 safety factor during system operation

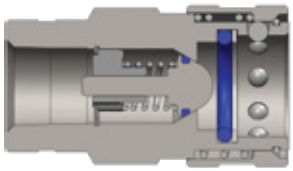



AG-Series Ball Couplers

Female Thread

Materials & Sizes

- Steel Body: 1/4" to 1" with NPT & BSPP thread sizes 1/4" to 1"
- Steel Body: 1/2" with O-ring boss thread sizes 3/4" or 7/8"

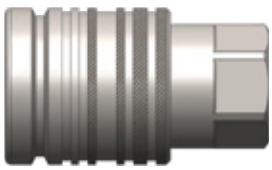
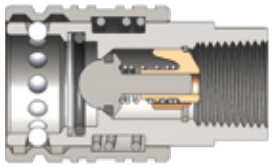



AG-Series Poppet Couplers

Female Thread

Materials & Sizes

- Steel Body: 1/4" to 1" with NPT & BSPP thread sizes 1/4" to 1"
- Steel Body: 1/2" with O-ring boss thread sizes 3/4" or 7/8"

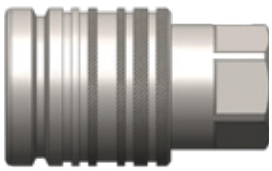
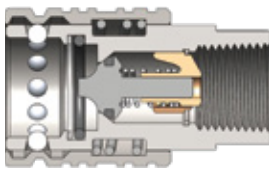



AG-Series Push-Pull Ball Couplers

Female Thread

Materials & Sizes

- Steel Body: 3/8" & 1/2" with NPT thread sizes 3/8" to 3/4"
- Steel Body: 1/2" with O-ring boss thread sizes 3/4" or 7/8"

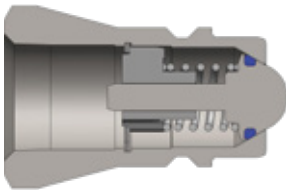



AG-Series Push-Pull Poppet Couplers

Female Thread

Materials & Sizes

- Steel Body: 3/8" & 1/2" with NPT thread sizes 3/8" to 3/4"
- Steel Body: 1/2" with O-ring boss thread sizes 3/4" or 7/8"

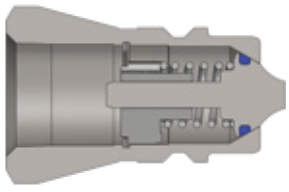



AG-Series Ball Nipples

Female Thread

Materials & Sizes

- Steel Body: 1/4" to 1" with NPT & BSPP thread sizes 1/4" to 1"
- Steel Body: 1/2" with O-ring boss thread size 3/4"

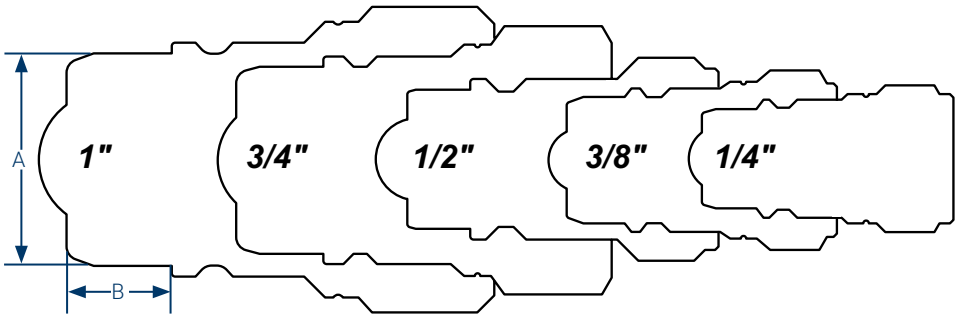
AG-Series Poppet Nipples

Female Thread

Materials & Sizes

- Steel Body: 1/4" to 1" with NPT & BSPP thread sizes 1/4" to 1"
- Steel Body: 1/2" with O-ring boss thread sizes 3/4" or 7/8"

AG-Series Profiles



Body Size (inch)	A (mm)	B (mm)
¼	14.22	7.87
⅜	18.80	8.89
½	20.57	9.40
¾	26.92	12.70
1	31.24	15.75

AG-Series Agricultural Interchange Part Numbers

Body Size (inch)	Threads (inch)	Part Numbers						Body Material
		Ball Couplers Female Thread	Poppet Couplers Female Thread	Push-Pull Ball Couplers Female Thread	Push-Pull Poppet Couplers Female Thread	Ball Nipples Female Thread	Poppet Nipples Female Thread	
¼	¼:18 NPT	2AGF2	2AGF2-PV	-	-	AG2F2	AG2F2-PV	Steel
¼	¼:18 BSPP	-	2AGBF2-PV	-	-	AG2BF2	AG2BF2-PV	Steel
⅜	⅜:18 NPT	3AGF3	3AGF3-PV	3AGF3-PS	3AGF3-PV-PS	-	AG3F3-PV	Steel
⅜	⅜:18 BSPP	-	3AGBF3-PV	-	-	AG3BF3	AG3BF3-PV	Steel
½	½:14 NPT	4AGF4	4AGF4-PV	4AGF4-PS	4AGF4-PV-PS	AG4F4	AG4F4-PV	Steel
½	½:14 BSPP	4AGBF4	4AGBF4-PV	-	-	AG4BF4	AG4BF4-PV	Steel
½	¾:16 ORB	4AGOF4	4AGOF4-PV	4AGOF4-PS	4AGOF4-PV-PS	AG4OF4	AG4OF4-PV	Steel
½	⅞:14 ORB	4AGOF5	4AGOF5-PV	4AGOF5-PS	4AGOF5-PV-PS	-	AG4OF5-PV	Steel
½	¾:14 NPT	4AGF6	4AGF6-PV	4AGF6-PS	4AGF6-PV-PS	AG4F6	AG4F6-PV	Steel
½	¾:14 BSPP	4AGBF6	4AGBF6-PV	-	-	AG4BF6	AG4BF6-PV	Steel
¾	¾:14 NPT	6AGF6	6AGF6-PV	-	-	AG6F6	AG6F6-PV	Steel
¾	¾:14 BSPP	6AGBF6	6AGBF6-PV	-	-	AG6BF6	AG6BF6-PV	Steel
1	1:11½ NPT	8AGF8	8AGF8-PV	-	-	AG8F8	AG8F8-PV	Steel
1	1:11½ BSPP	8AGBF8	8AGBF8-PV	-	-	AG8BF8	AG8BF8-PV	Steel

Product Group: AP02

NPT & ORB thread styles also available
A complete range of seal options are available

AG-Series Coupler Dust Plugs



Body Size (inch)	Part Numbers	Cap Lanyard	Body Material
¼	2AGDP	Elastomer	Elastomer
½	4AGDP	Elastomer	Elastomer
1	8AGDP	Elastomer	Elastomer

Product Group: AP02

AG-Series Nipple Dust Caps



Body Size (inch)	Part Numbers	Cap Lanyard	Body Material
¼	AG2DC	Elastomer	Elastomer
½	AG4DC	Elastomer	Elastomer
1	AG8DC	Elastomer	Elastomer

Product Group: AP02

T-Series High-Pressure Screw-Together

Materials

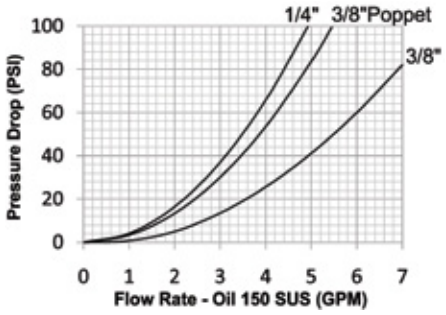
- Machined components are manufactured using solid steel or 316 stainless steel bar stock
- The chrome steel ball valve is mechanically seated to improve low-pressure sealing performance
- Steel componentry is plated using ROHS-compliant trivalent chrome.
- Steel nipples are machined from solid high-strength steel bar stock

Seal Components

- Nitrile O-ring with TPC-ET backup ring is standard, providing a temperature range of -40°C to 121°C

Interchange

- High-pressure screw-together interchange
- Parker/Pioneer 3000 Series, Stucchi IVHP
- Hansen WS56000, Snap-Tite 76-Series, DNP PVM
- RYCO R100 Series, Enerpac C604, Holmbury HPA Series
- Interchangeable to ISO 14540



Rated Pressure Chart

Body Size (inch)	Steel Ball Coupler/Plug Coupled				316 SS Ball Coupler/Plug Coupled				Steel Poppet Coupler/Plug Coupled				316SS Poppet Coupler/Plug Coupled			
	Working Pressure		Burst Pressure		Working Pressure		Burst Pressure		Working Pressure		Burst Pressure		Working Pressure		Burst Pressure	
	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar
¼	10000	700	34300	2350	-	-	-	-	-	-	-	-	-	-	-	-
⅜	10000	700	30000	2050	10000	700	30900	2100	10000	700	36800	2500	10000	700	36500	2500

Body Size (inch)	Interchange Standards		Functional Parameters				
	International Standards	ANSI/NFPA Standards	Valve Style	Air Inclusion	Fluid Loss	Vacuum inch HG	Flow ΔP = 15 PSI
¼	ISO 14540	-	Ball	0.97	0.56	N/R	14
⅜	ISO 14540	-	Ball	2.04	0.98	N/R	16
⅜	ISO 14540	-	Poppet	1.56	0.77	N/R	22

T-Series High-pressure Interchange Seal Kits

Size (inch)	Part Numbers	Coupler Style	Material	Seal Kit Contents
¼	2T-SKIT	Ball Valve	Nitrile	Nitrile O-ring with TPC-ET backup ring
⅜	3T-SKIT			

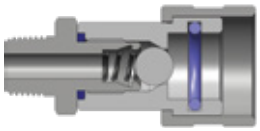
Product Group: AP02

T-Series Couplers

Male Thread

Materials & Sizes

- Steel Body: 1/4" & 3/8" with NPT thread sizes 1/4" & 3/8"
- Stainless Steel Body: 3/8" with NPT thread size 3/8"

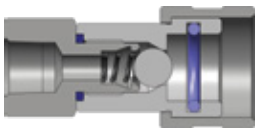



T-Series Couplers

Female Thread

Materials & Sizes

- Steel Body: 1/4" & 3/8" with NPT thread size 1/4" & 3/8"

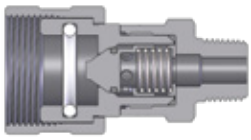



T-Series Poppet Couplers

Male Thread

Materials & Sizes

- Steel Body: 3/8" with NPT thread size 3/8"
- Stainless Steel Body: 3/8" with NPT thread size 3/8"

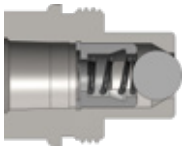



T-Series Nipples

Female Thread

Materials & Sizes

- Steel Body: 1/4" & 3/8" with NPT thread sizes 1/4" & 3/8"
- Stainless Steel Body: 3/8" with NPT thread size 3/8"

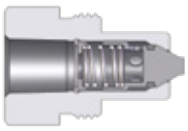
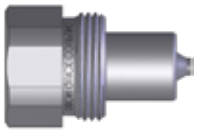



T-Series Poppet Nipples

Female Thread

Materials & Sizes

- Steel Body: 3/8" with NPT thread size 3/8"
- Stainless Steel Body: 3/8" with NPT thread size 3/8"

T-Series Coupler Dust Plugs

Body Size (inch)	Part Numbers	Cap Lanyard	Body Material
¼	2TDP	Rubber	Steel
⅜	3TDP	Rubber	Steel

Product Group: AP09



T-Series Nipple Dust Caps

Body Size (inch)	Part Numbers	Cap Lanyard	Body Material
¼	T2DC	Steel cable	Steel
⅜	T3DC	Steel cable	Steel

Product Group: AP09



T-Series Interchange Part Numbers

Body Size (inch)	Thread Size (inch)	Part Numbers					Body Material
		Couplers Male Thread	Couplers Female Thread	Poppet Couplers Male Thread	Nipple Female Thread	Poppet Nipples Female Thread	
¼	¼:18 NPT	2TM2	-	-	T2F2	-	Steel
⅜	¼:18 NPT	3TM3	-	3TM3-PV	T3F3	-	Steel
⅜	⅜:18 NPT	1.9 TPI	-	-	-	-	Steel
⅜	⅜:18 BSP	-	-	-	T3BF3	T3F3-PV	Steel
⅜	⅜:18 NPT	3TM3-SS	3TF3	3TM3-SS-PV	T3F3-SS	T3F3-SS-PV	316 SS

Product Group: AP09

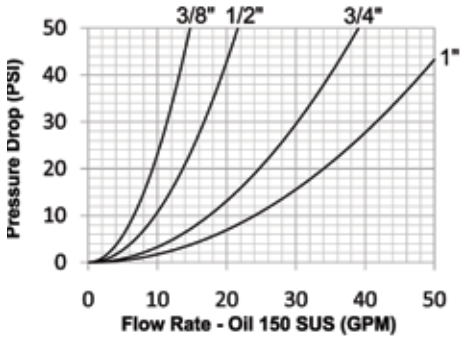
TR-Series TEMA Interchange

Materials

- Machined components are manufactured using solid steel bar stock
- Stainless steel balls, retaining rings, and springs maximise corrosion resistance and extend service life
- Steel componentry is plated using ROHS-compliant trivalent chrome
- Steel coupler sleeves are hardened to resist deformation and maximise service life
- Steel nipples are hardened to provide heavy-duty performance

Materials

- Nitrile seals are standard, providing a temperature range of -40°C to 121°C
- Couplers have redundant O-ring sealing systems (dual O-rings with inner PTFE backup ring)
- Valve seals are crimped in place to maintain integrity during excessive flow conditions and pressurised connection

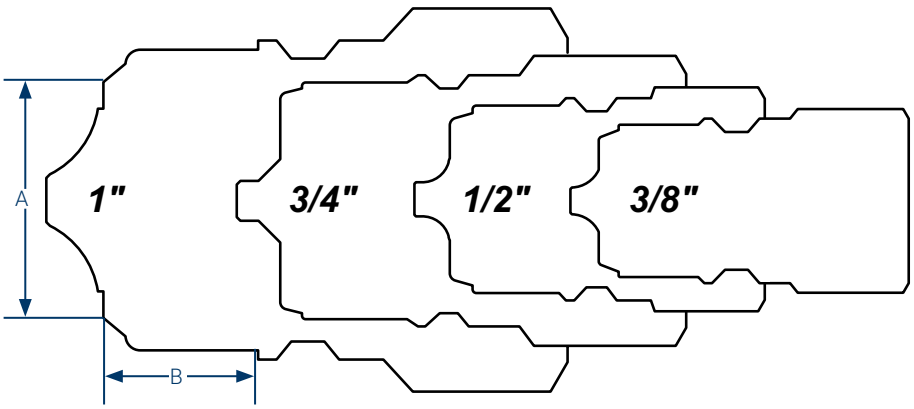


Rated Pressure Chart

Body Size (inch)	Steel Coupler/Plug (Connected)			
	Working Pressure	Burst Pressure	Working Pressure	Burst Pressure
	PSI	Bar	PSI	Bar
¼	4351	300	17400	1200
⅜	5000	345	20000	1400
½	4000	275	16500	1100
¾	4000	275	15400	1000
1	3200	220	12800	900

Body Size (inch)	Functional Parameters				
	Locking Ball Quantity	Air Inclusion	Fluid Loss	Vacuum inch HG	Flow ΔP = 15 PSI
⅜	9	2.8cc	1.9cc	28	38
½	9	3.9cc	3.1cc	28	57
¾	9	10.5cc	10.1cc	28	98
1	9	14.7cc	14.2cc	28	136

TR-Series Profiles



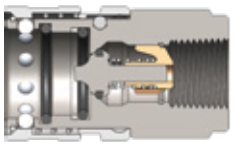
Body Size (inch)	A (mm)	B (mm)
¼	15.88	11.11
⅜	19.81	13.46
½	24.64	15.24
¾	32.77	19.05
1	40.89	21.59

TR-Series TEMA Interchange Couplers

Female Thread

Materials & Sizes

- Steel Body: 1/4" to 1" with BSPP thread size 1/4" to 1"
- Stainless Steel Body: 1/4" to 1" with BSPP thread size 1/4" to 1"



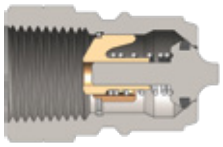


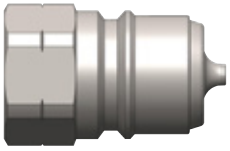
TR-Series TEMA Interchange Nipples

Female Thread

Materials & Sizes

- Steel Body: 1/4" & 1" with BSPP thread sizes 1/4" & 1"
- Stainless Steel Body: 1/4" to 1" with BSPP thread size 1/4" to 1"





TR-Series TEMA Interchange Part Numbers

Body Size (inch)	Thread Size (inch)	Part Numbers		Body Material
		TR-Series Couplers	TR-Series Nipples	
¼	¼:19 BSPP	2TRBF2	TR2BF2	Steel
¼	¼:19 BSPP	2TRBF2-E	TR2BF2-E	Steel
¼	¼:19 BSPP	2TRBF2-E-SS	TR2BF2-E-SS	316 SS
¼	¼:19 BSPP	2TRBF2-V	TR2BF2-V	Steel
¼	¼:19 BSPP	2TRBF2-V-SS	TR2BF2-V-SS	316 SS
⅜	⅜:19 BSPP	3TRBF3	TR3BF3	Steel
⅜	⅜:19 BSPP	3TRBF3-E	TR3BF3-E	Steel
⅜	⅜:19 BSPP	3TRBF3-E-SS	TR3BF3-E-SS	316 SS
⅜	⅜:19 BSPP	3TRBF3-V	TR3BF3-V	Steel
⅜	⅜:19 BSPP	3TRBF3-V-SS	TR3BF3-V-SS	316 SS
⅜	⅜:19 BSPP	3TRBF3-PR	TR3BF3-PR	Steel
½	½:14 BSPP	4TRBF4	TR4BF4	Steel
½	½:14 BSPP	4TRBF4-E	TR4BF4-E	Steel
½	½:14 BSPP	4TRBF4-E-SS	TR4BF4-E-SS	316 SS
½	½:14 BSPP	-	TR4BF4-V	Steel
½	½:14 BSPP	4TRBF4-V-SS	TR4BF4-V-SS	316 SS
½	½:14 BSPP	4TRBF4-PR	TR4BF4-PR	Steel
¾	¾:14 BSPP	6TRBF6	TR6BF6	Steel
¾	¾:14 BSPP	6TRBF6-E	TR6BF6-E	Steel
¾	¾:14 BSPP	6TRBF6-E-SS	TR6BF6-E-SS	316 SS
¾	¾:14 BSPP	6TRBF6-V	TR6BF6-V	Steel
¾	1:11 BSPP	6TRBF6-V-SS	TR6BF6-V-SS	316 SS
¾	1:11 BSPP	6TRBF6-PR	TR6BF6-PR	Steel
1	1:11 BSPP	8TRBF8	TR8BF8	Steel
1	1:11 BSPP	8TRBF8-E	TR8BF8-E	Steel
1	1:11 BSPP	8TRBF8-E-SS	TR8BF8-E-SS	316 SS
1	1:11 BSPP	8TRBF8-V	TR8BF8-V	Steel
1	1:11 BSPP	8TRBF8-V-SS	TR8BF8-V-SS	316 SS
1	1:11 BSPP	8TRBF8-PR	TR8BF8-PR	Steel

Product Group: AP12

E = Unvalved
PR = Pressure eliminator
SS = 316 Stainless steel
V = FKM seals

TR-Series TEMA Interchange Dust Plugs



Body Size (inch)	Part Numbers	Body Material
¼	2TRDP	Elastomer
⅜	3TRDP	Elastomer
½	4TRDP	Elastomer
¾	6TRDP	Elastomer
1	8TRDP	Elastomer

Product Group: AP02

TR-Series TEMA Interchange Dust Caps



Body Size (inch)	Part Numbers	Body Material
¼	TR2DC	Elastomer
½	TR3DC	Elastomer
½	TR4DC	Elastomer
¾	TR6DC	Elastomer
1	TR8DC	Elastomer

Product Group: AP02

TR-Series TEMA Interchange Coupler Seal Kits

Body Size (inch)	Part Numbers	Coupler Style	Seal Material	Seal Kits Contents
¼	2TR-SKIT	All	Nitrile	Two O-rings
¼	2TR-VSKIT	All	FKM	Two O-rings
⅜	3TR-SKIT	All	Nitrile	Two O-rings
½	4TR-SKIT	All	Nitrile	Two O-rings
½	4TR-VSKIT	All	FKM	Two O-rings
¾	6TR-SKIT	All	Nitrile	Two O-rings
¾	6TR-VSKIT	All	FKM	Two O-rings
1	8TR-SKIT	All	Nitrile	Two O-rings
1	8TR-VSKIT	All	FKM	Two O-rings

Product Group: AP12

E-Series Straight-Through Pressure-Wash Interchange

Materials

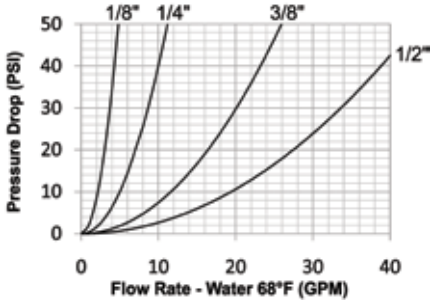
- Machined components are manufactured using solid steel, brass or 303 stainless steel
- Stainless steel balls, retaining rings and springs maximise corrosion resistance and extend service life
- Steel componentry is plated using ROHS-compliant trivalent chrome
- 1¼" to 2" brass couplers have steel sleeves as standard to maximise service life, hardened to resist deformation
- Steel nipples are hardened to provide heavy-duty performance

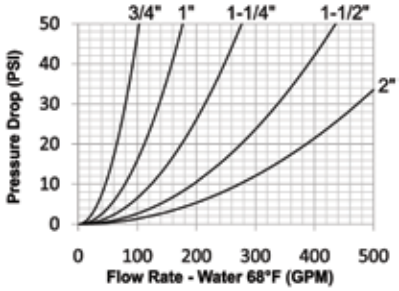
Seal Components

- Nitrile (Buna-N) seals are standard, providing a temperature range of -40°C to 121°C

Interchange Data

- Straight-through pressure-wash interchange
- Parker ST-Series, Foster FST-Series, Tomco Series-ST, Hansen ST-Series





Rated Pressure Chart

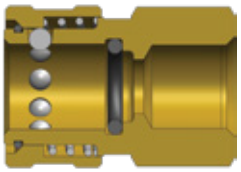
Body Size (inch)	Brass Coupler/Steel Nipple Coupled				Brass Coupler/Nipple Coupled				Brass Coupler/303 Stainless Steel Nipple Coupled				303 Stainless Steel Coupler/ Nipple Coupled			
	Working Pressure		Burst Pressure		Working Pressure		Burst Pressure		Working Pressure		Burst Pressure		Working Pressure		Burst Pressure	
	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar
⅛	2600	179	10400	717	2500	172	10000	689	4200	290	16800	1158	4200	290	16800	1158
¼	5500	379	22000	1517	5200	359	20800	1434	6700	462	26800	1848	6700	462	26800	1848
⅜	3500	241	14000	966	2700	186	10800	745	5500	379	22000	1517	5500	379	22000	1517
½	2700	186	10800	745	2200	152	8800	607	3000	207	12000	827	3000	207	12000	827
¾	2700	186	10800	745	1700	117	6800	469	3000	207	12000	827	3000	207	12000	827
1	2000	138	8000	552	1200	83	4800	331	1700	117	6800	469	1700	117	6800	469
1¼	2000	138	8000	552	1700	117	6800	469	2000	138	8000	552	2000	138	8000	552
1½	2000	138	8000	552	1400	97	5600	386	2000	138	8000	552	2000	138	8000	552
2	2000	138	8000	552	1400	97	5600	386	2000	138	8000	552	2000	138	8000	552

E-Series Straight-Through Couplers

Female Thread

Materials & Sizes

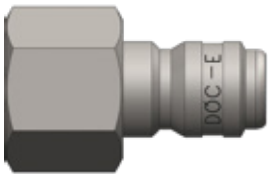
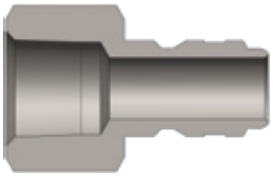
- Brass Body: 1/8" to 2" with NPT thread sizes 1/8" to 2"
- Brass Body: 1/4" to 1" with BSPP thread sizes 1/4" to 1"
- Stainless Steel Body: 1/8" to 2" with NPT thread sizes 1/8" to 2"





E-Series Straight-Through Nipples

Female Thread

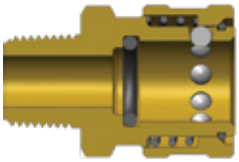



Materials & Sizes

- Steel Body: 1/8" to 2" with NPT thread sizes 1/8" to 2"
- Brass Body: 1/8" to 2" with NPT thread sizes 1/8" to 2"
- Brass Body: 1/4" to 1" with BSPP thread sizes 1/4" to 1"
- Stainless Steel Body: 1/8" to 2" with NPT thread sizes 1/8" to 2"

E-Series Straight-Through Couplers

Male Thread

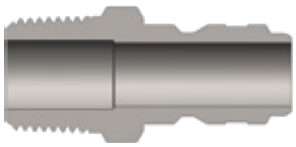



Materials & Sizes

- Brass Body: 1/8" to 2" with NPT thread sizes 1/8" to 2"
- Stainless Steel Body: 1/8" to 1" with NPT thread sizes 1/8" to 1"

E-Series Straight-Through Nipples

Male Thread

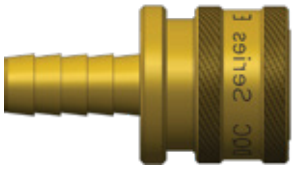
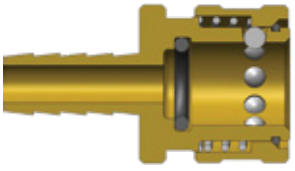



Materials & Sizes

- Steel Body: 1/8" to 2" with NPT thread sizes 1/8" to 2"
- Brass Body: 1/8" to 2" with NPT thread sizes 1/8" to 2"
- Stainless Steel Body: 1/8" to 1" with NPT thread sizes 1/8" to 1"

E-Series Straight-Through Couplers

Hose Tail

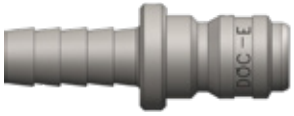



Materials & Sizes

- Brass Body: 1/4" to 1" with Hose ID sizes 1/4" to 1"

E-Series Straight-Through Nipples

Hose Tail




Materials & Sizes

- Steel Body: 1/4" to 1" with Hose ID sizes 1/4" to 1"
- Brass Body: 1/4" to 1" with Hose ID sizes 1/4" to 1"

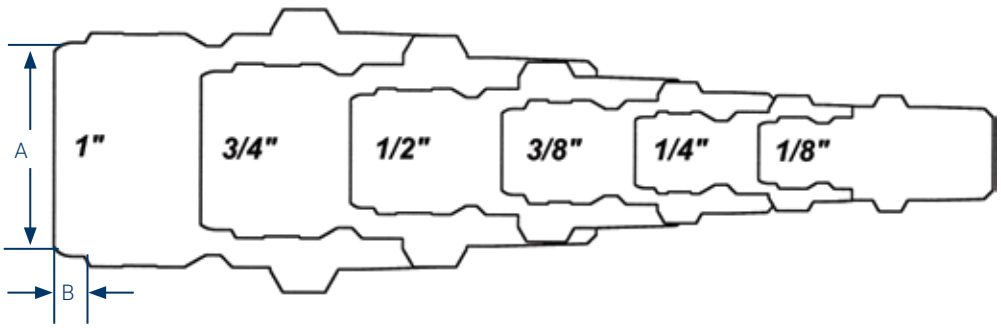
E-Series Straight-Through Part Numbers

Body Size (inch)	Threads (inch)	Part Numbers						Body Material
		Couplers Female Thread	Nipples Female Thread	Couplers Male Thread	Nipples Male Thread	Couplers Hose Tail	Nipples Hose Tail	
⅛	⅛ :27 NPT	-	E1F1	-	E1M1	-	-	Steel
⅛	⅛ :27 NPT	1EF1-B	E1F1-B	1EM1-B	E1M1-B	-	-	Brass
⅛	⅛ :27 NPT	1EF1-S	E1F1-S	1EM1-S	E1M1-S	-	-	303SS
¼	¼:18 NPT	-	E2F2	-	E2M2	-	E2S2	Steel
¼	¼:18 NPT	2EF2-B	E2F2-B	2EM2-B	E2M2-B	2ES2-B	E2S2-B	Brass
¼	¼:18 NPT	2EF2-S	E2F2-S	-	E2M2-S	-	-	303SS
¼	¼:19 BSPP	2EBF2-B	E2BF2-B	-	-	-	E3S3	Brass
⅜	⅜:18 NPT	-	E3F3	-	E3M3	-	E3S3-B	Steel
⅜	⅜:18 NPT	3EF3-B	E3F3-B	3EM3-B	E3M3-B	3ES3-B	-	Brass
⅜	⅜:18 NPT	3EF3-S	E3F3-S	3EM3-S	E3M3-S	-	-	303SS
⅜	⅜:19 BSPP	3EBF3-B	E3BF3-B	-	-	-	-	Brass
½	½:14 NPT	-	E4F4	-	E4M4	-	E4S4	Steel
½	½:14 NPT	4EF4-B	E4F4-B	4EM4-B	E4M4-B	4ES4-B	E4S4-B	Brass
½	½:14 NPT	4EF4-S	E4F4-S	4EM4-S	E4M4-S	-	-	303SS
½	½:19 BSPP	4EBF4-B	E4BF4-B	-	-	-	-	Brass
¾	¾:14 NPT	-	E6F6	-	E6M6	-	E6S6	Steel
¾	¾:14 NPT	6EF6-B	E6F6-B	6EM6-B	E6M6-B	6ES6-B	E6S6-B	Brass
¾	¾:14 NPT	6EF6-S	E6F6-S	6EM6-S	E6M6-S	-	-	303SS
¾	¾:14 BSPP	6EBF6-B	E6BF6-B	-	-	-	-	Brass
1	1:11½ NPT	-	E8F8	-	E8M8	-	E8S8	Steel
1	1:11½ NPT	8EF8-B	E8F8-B	8EM8-B	E8M8-B	8ES8-B	E8S8-B	Brass
1	1:11½ NPT	8EF8-S	E8F8-S	8EM8-S	E8M8-S	-	-	303SS
1	1:11 BSPP	8EBF8-B	E8BF8-B	-	-	-	-	Brass
1¼	1¼:11½ NPT	-	E10F10	-	E10M10	-	-	Steel
1¼	1¼:11½ NPT	10EF10-B	E10F10-B	10EM10-B	E10M10-B	-	-	Brass
1¼	1¼:11½ NPT	10EF10-S	E10F10-S	-	-	-	-	303SS
1½	1½:11½ NPT	-	E12F12	-	E12M12	-	-	Steel
1½	1½:11½ NPT	12EF12-B	E12F12-B	12EM12-B	E12M12-B	-	-	Brass
1½	1½:11½ NPT	12EF12-S	E12F12-S	-	-	-	-	303SS
2	2:11½ NPT	-	E16F16	-	E16M16	-	-	Steel
2	2:11½ NPT	16EF16-B	E16F16-B	16EM16-B	E16M16-B	-	-	Brass
2	2:11½ NPT	16EF16-S	E16F16-S	-	-	-	-	303SS

Product Group: AP01

E-Series Profiles

Body Size (inch)	A (mm)	B (mm)
⅛	6.60	2.03
¼	10.16	2.79
⅜	12.45	3.30
½	16.26	3.30
¾	22.61	4.32
1	30.48	4.32
1¼	36.83	3.05
1½	45.47	4.32
2	57.66	4.32



E-Series Straight-Through Coupler Seal Kits

Body Size (inch)	Part Numbers	Coupler Style	Seal Material	Seal Kits Contents
¼	2E-SKIT	all	Nitrile	Body O-ring
¼	F-2E-SKIT	all	FKM	Body O-ring
¼	P-2E-SKIT	all	EPDM	Body O-ring
⅜	3E-SKIT	all	Nitrile	Body O-ring
⅜	F-3E-SKIT	all	FKM	Body O-ring
⅜	P-3E-SKIT	all	EPDM	Body O-ring
½	4E-SKIT	all	Nitrile	Body O-ring
½	F-4E-SKIT	all	FKM	Body O-ring
½	P-4E-SKIT	all	EPDM	Body O-ring
¾	6E-SKIT	all	Nitrile	Body O-ring
¾	F-6E-SKIT	all	FKM	Body O-ring
¾	P-6E-SKIT	all	EPDM	Body O-ring
1	8E-SKIT	all	Nitrile	Body O-ring
1	F-8E-SKIT	all	FKM	Body O-ring
1	P-8E-SKIT	all	EPDM	Body O-ring
1¼	10E-SKIT	all	Nitrile	Body O-ring
1¼	F-10E-SKIT	all	FKM	Body O-ring
1¼	P-10E-SKIT	all	EPDM	Body O-ring
1½	12E-SKIT	all	Nitrile	Body O-ring
1½	F-12E-SKIT	all	FKM	Body O-ring
1½	P-12E-SKIT	all	EPDM	Body O-ring
2	16E-SKIT	all	Nitrile	Body O-ring
2	F-16E-SKIT	all	FKM	Body O-ring
2	P-16E-SKIT	all	EPDM	Body O-ring

Product Group: AP01

Other options:
-S = Silicone seal
-LS = Sleeve-Lock
-C1 = Oxy-Clean

Built to Last, Built to Perform:
Quick Coupling Solutions.

We manufacture and supply quick connect couplings for food & beverage processing, transport, agricultural and manufacturing markets.



HT-Series **STD Flat Face**
ISO 16028



AG-Series **Ball & Poppet Style**
ISO 7241-A



H-Series **Poppet Style**
ISO 7241-B



K-Series **Poppet Style**
ISO 7241-A

V-Series Snap-Tite H/H Interchange

Materials

- Machined components are manufactured using solid steel, brass or 316 stainless steel bar stock
- Stainless steel balls, retaining rings and springs maximise corrosion resistance and extend service life
- Steel componentry is plated using ROHS-compliant trivalent chrome
- Steel coupler sleeves are hardened to resist deformation and maximise service life
- Steel nipples are machined from high-strength steel and induction-hardened
- Tubular 'TV' valves are constructed from steel bar stock and are designed for optimum performance in pneumatic applications

Seal Components

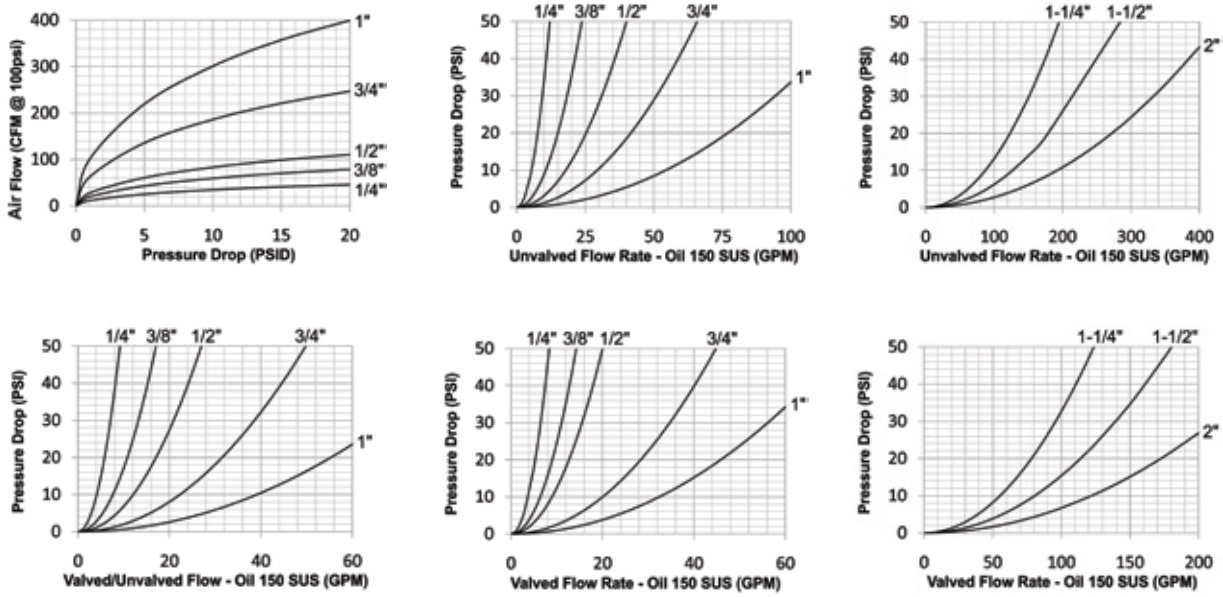
- Nitrile (Buna-N) seals are standard, providing a temperature range of -40°C to 121°C
- All couplers incorporate a PTFE anti-extrusion ring to protect the seal components from dynamic impulse damage
- 1/4" to 1" valve seals are crimped in place to maintain integrity during excessive flow conditions and pressurised connection
- 1¼" to 2" valve O-rings are retained by a unique seal-groove profile and are field-replaceable

Interchange Data

- Interchangeable to MIL-C-51234
- Snap-Tite H/H and Faster TNV/TNL

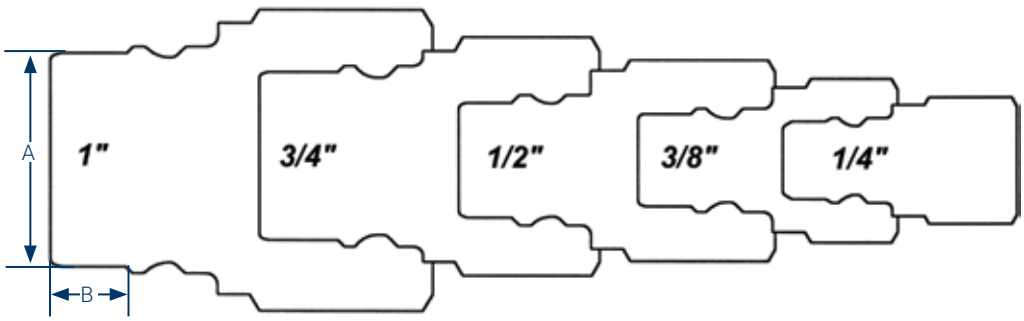
Notes

- Airflow data is presented using a coupler with a TV valve and an unvalved nipple. This configuration provides the optimal performance for pneumatic applications



V-Series Profiles

Body Size (inch)	A (mm)	B (mm)
¼	10.92	5.84
⅜	12.95	7.37
½	16.00	7.37
¾	23.67	10.92
1	29.70	10.41



V-Series Snap-Tite H/H Interchange

Rated Pressure Chart: Valved

Body Size (inch)	Steel Coupler/Nipple Valved Coupled				Brass Coupler/Nipple Valved Coupled				316 SS Coupler/Nipple Valved Coupled			
	Working Pressure		Burst Pressure		Working Pressure		Burst Pressure		Working Pressure		Burst Pressure	
	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar
¼	6500	450	12700	876	2250	150	5000	345	5000	345	10000	700
⅜	4500	310	10500	700	2250	150	5300	350	4000	275	8000	550
½	4000	275	9600	650	2000	130	5700	390	3750	260	7500	500
¾	3500	240	9100	600	2000	130	5300	350	2000	130	7500	500
1	2000	130	9500	650	1750	120	5000	345	2000	130	5000	345
1¼	1750	120	5000	345	350	24	1000	70	1500	100	3000	200
1½	1500	100	5000	345	350	24	1200	80	1500	100	3000	200
2	1500	100	4000	275	400	28	1000	70	500	34	1000	70

Rated Pressure Chart: Unvalved

Body Size (inch)	Steel Coupler/Nipple				Brass Coupler/Nipple				316 SS Coupler/Nipple			
	Working Pressure		Burst Pressure		Working Pressure		Burst Pressure		Working Pressure		Burst Pressure	
	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar
¼	11000	760	29500	2000	4000	275	14200	980	10000	670	29200	2000
⅜	11000	760	29900	2000	4000	275	14500	1000	8000	550	27900	1900
½	11000	760	29300	2000	4000	275	14500	1000	8000	550	24600	1700
¾	9000	620	19300	1300	3500	250	11100	750	7000	480	22600	1500
1	6000	400	15900	1100	3000	200	8200	560	4000	275	15500	1000
1¼	5000	345	10000	700	1000	70	4000	275	3000	200	10000	700
1½	5000	345	10000	700	1000	70	4000	275	3000	200	10000	700
2	4000	275	8000	550	750	50	2800	190	1000	70	6000	400

Body Size (inch)	Interchange Standards		Functional Parameters				
	International Standards	ANSI/NFPA Standards	Locking Ball Quantity	Air Inclusion	Fluid Loss	Vacuum inch HG	Flow ΔP = 15 PSI
¼	-	6	2.0cc	0.2cc	26.7	21	22
⅜	-	6	3.5cc	3.2cc	26.7	36	53
½	-	9	4.0cc	4.0cc	26.7	49	91
¾	-	9	14.0cc	14.0cc	26.7	113	249
1	-	12	21.0cc	20.0cc	26.7	181	378
1¼	-	12	45.0cc	45.0cc	N/R	310	567
1½	-	12	80.0cc	80.0cc	N/R	454	946
2	-	12	150.0cc	150.0cc	N/R	700	1235

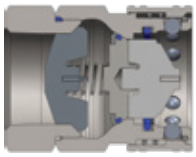
Note: Minimum burst pressure ratings were established under laboratory conditions using a Static Burst Unit (SBU). For high-impulse applications and to meet Det Norske Veritas (DNV) compliance, the operating pressure must be divided by two (2) to ensure a 4:1 safety factor during system operation

V-Series Valved Couplers

Female Thread

Materials & Sizes

- Steel Body: 1/4" to 2" with NPT thread sizes 1/8" to 2""
- Brass Body: 1/4" to 2" with NPT thread sizes 1/4" to 2"
- Stainless Steel Body: 1/4" to 2" with NPT thread sizes 1/4" to 2"
- Steel Body: 1/4" to 2" with BSPP thread sizes 1/4" to 2"
- Brass Body: 1/4" to 2" with BSPP thread sizes 1/4" to 2"
- Stainless Steel Body: 1/4" to 2" with BSPP thread sizes 1/4" to 2"
- Steel Body: 1/4", 3/8", 1/2", 3/4", 1", 1¼", 1½" with O-ring boss thread sizes 7/16", 9/16", 3/4", 1 1/16", 1 5/16", 1⅝" or 1⅞"

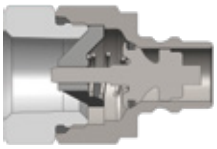
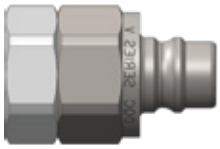



V-Series Valved Nipples

Female Thread

Materials & Sizes

- Steel Body: 1/4" to 2" with NPT thread sizes 1/8" to 2""
- Brass Body: 1/4" to 2" with NPT thread sizes 1/4" to 2"
- Stainless Steel Body: 1/4" to 2" with NPT thread sizes 1/4" to 2"
- Steel Body: 1/4" to 2" with BSPP thread sizes 1/4" to 2"
- Brass Body: 1/4" to 2" with BSPP thread sizes 1/4" to 2"
- Stainless Steel Body: 1/4" to 2" with BSPP thread sizes 1/4" to 2"
- Steel Body: 1/4", 3/8", 1/2", 3/4", 1, 1¼", 1½" with O-ring boss thread sizes 7/16", 9/16", 3/4", 1 1/16", 1 5/16", 1⅝" or 1⅞"

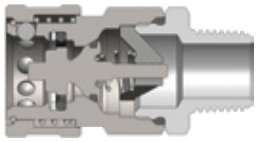



V-Series Valved Couplers

Male Thread

Materials & Sizes

- Steel Body: 1/4" to 2" with NPT thread sizes 1/4" to 2"
- Brass Body: 1/4" to 2" with NPT thread sizes 1/4" to 2"
- Stainless Steel Body: 1/4" to 2" with NPT thread sizes 1/4" to 2"

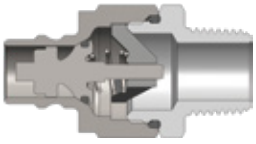



V-Series Valved Nipples

Male Thread

Materials & Sizes

- Steel Body: 1/4" to 2" with NPT thread sizes 1/4" to 2"
- Brass Body :1/4" to 2" with NPT thread sizes 1/4" to 2"
- Stainless Steel Body: 1/4" to 2" with NPT thread sizes 1/4" to 2"

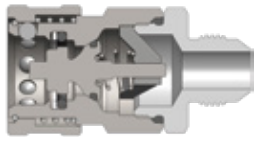



V-Series Valved Couplers

JIC Male Thread

Materials & Sizes

- Steel Body: 1/4" to 1" with JIC thread sizes 7/16" to 1 5/16"

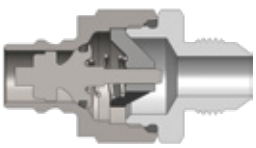



V-Series Valved Nipples

JIC Male Thread

Materials & Sizes

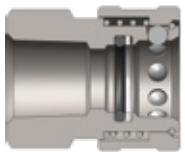
- Steel Body: 1/4" to 1" with JIC thread sizes 9/16", to 1 5/16"




V-Series Unvalved Couplers

Female Thread





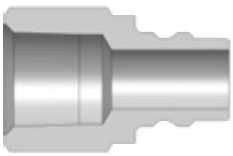
Materials & Sizes

- Steel Body: 1/4" to 2" with NPT thread sizes 1/4" to 2""
- Brass Body: 1/4" to 2" with NPT thread sizes 1/4" to 2"
- Stainless Steel Body: 1/4" to 2" with NPT thread sizes 1/4" to 2"
- Steel Body: 1/4" to 1¼" with BSPP thread sizes 1/4" to 1¼"
- Brass Body: 1/4" to 1¼" with BSPP thread sizes 1/4" to 1¼"
- Stainless Steel Body: 1/4" to 1¼" with BSPP thread sizes 1/4" to 1¼"

V-Series Unvalved Nipples

Female Thread





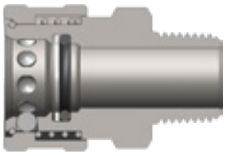
Materials & Sizes

- Steel Body: 1/4" to 2" with NPT thread sizes 1/4" to 2""
- Brass Body: 1/4" to 2" with NPT thread sizes 1/4" to 2"
- Stainless Steel Body: 1/4" to 1" with NPT thread sizes 1/8" to 2"
- Steel Body: 1/4" to 1¼" with BSPP thread sizes 1/4" to 1¼"
- Brass Body: 1/4" to 1¼" with BSPP thread sizes 1/4" to 1¼"
- Stainless Steel Body: 1/4" to 1¼" with BSPP thread sizes 1/4" to 1¼"

V-Series Unvalved Couplers

Male Thread





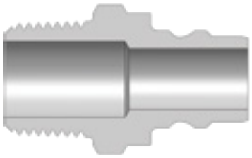
Materials & Sizes

- Steel Body: 1/4" to 2" with NPT thread sizes 1/4" to 2"
- Brass Body: 1/4" to 1" with NPT thread sizes 1/4" to 1"
- Stainless Steel Body: 1/4" to 2" with NPT thread sizes 1/4" to 2"

V-Series Unvalved Nipples

Male Thread



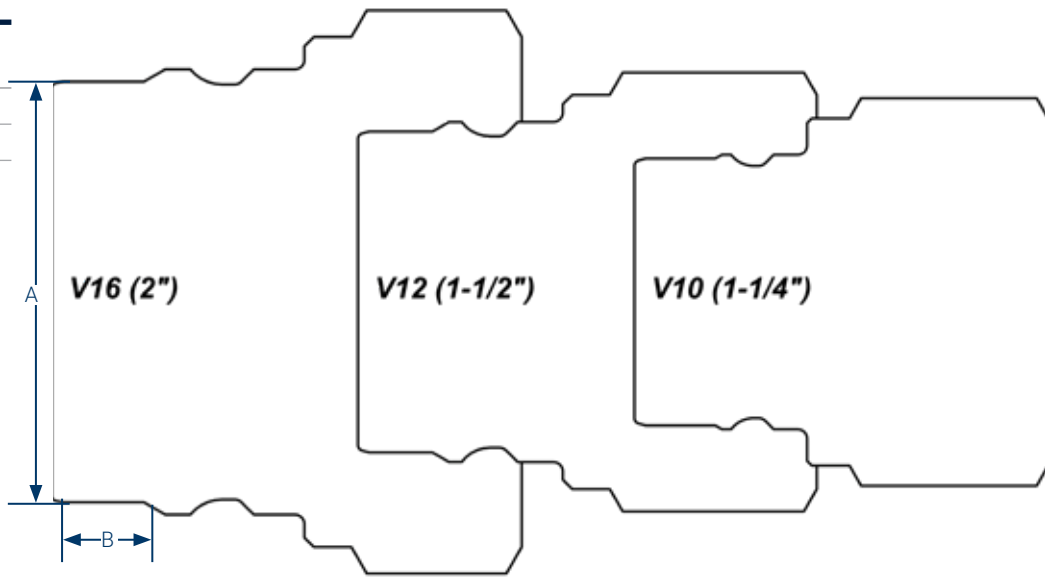


Materials & Sizes

- Steel Body: 1/4" to 2" with NPT thread sizes 1/4" to 2"
- Brass Body: 1/4" to 1" with NPT thread sizes 1/4" to 1"
- Stainless Steel Body: 1/4" to 2" with NPT thread sizes 1/4" to 2"

Large V-Series Profiles

Body Size (inch)	A (mm)	B (mm)
1¼	34.04	10.92
1½	43.18	10.16
2	56.64	12.45



V-Series Coupler Rigid Dust Plugs

Body Size (inch)	Part Numbers	Cap Lanyard	Body Material
¼	2VDP-A	Steel cable	Aluminium
⅜	3VDP-A	Steel cable	Aluminium
½	4VDP-A	Steel cable	Aluminium
¾	6VDP-A	Steel cable	Aluminium
1	8VDP-A	Steel cable	Aluminium
1¼	10VDP-A	Steel cable	Aluminium
1½	12VDP-A	Steel cable	Aluminium
2	16VDP-A	Steel cable	Aluminium

Product Group: AP11



V-Series Coupler Rigid Dust Caps

Body Size (inch)	Part Numbers	Cap Lanyard	Body Material
¼	V2DC-A	Steel cable	Aluminium
½	V4DC-A	Steel cable	Aluminium
¾	V6DC-A	Steel cable	Aluminium
1	V8DC-A	Steel cable	Aluminium
1¼	V10DC-A	Steel cable	Aluminium
1½	V12DC-A	Steel cable	Aluminium
2	V16DC-A	Steel cable	Aluminium

Product Group: AP11



V-Series Dust Caps & Dust Plugs

Body Size (inch)	Part Numbers	Body Material
⅜	3VDP-V3DC	Nitrile Buna
½	4VDP-V4DC	Nitrile Buna
¾	6VDP-V6DC	Nitrile Buna
1	8VDP-V8DC	Nitrile Buna

Product Group: AP11



V-Series Seal & Repair Kits

Body Size (inch)	Part Numbers			Coupler Material	Seal Material
	Coupler Seal Kits[1] (body/adaptor O-rings & PTFE backup)	Coupler Repair Kits[2] (steel valve assembly & adaptor O-ring)	Nipple Repair Kits[2] (steel valve assembly & adaptor O-ring)		
¼	2V-SKIT	2V-RKIT	V2-RKIT	Steel	Nitrile
⅜	3V-SKIT	3V-RKIT	V3-RKIT	Steel	Nitrile
½	4V-SKIT	4V-RKIT	V4-RKIT	Steel	Nitrile
¾	6V-SKIT	6V-RKIT	V6-RKIT	Steel	Nitrile
1	8V-SKIT	8V-RKIT	V8-RKIT	Steel	Nitrile
1¼	10V-SKIT	140030-10	140030-10	Steel	Nitrile
1½	12V-SKIT	140030-12	140030-12	Steel	Nitrile
2	16V-SKIT	140030-16	140030-16	Steel	Nitrile

Product Group: AP11

V-Series Snap-Tite H/H Straight-Through Interchange Part Numbers

Body Size (inch)	Threads (inch)	Part Numbers						Body Material
		Valved Couplers Female Thread	Valved Nipples Female Thread	Valved Couplers Male Thread	Valved Nipples Male Thread	Unvalved Couplers Female Thread	Unvalved Nipples Female Thread	
¼	⅛:27 NPT	2VF1	V2F1	-	-	-	-	Steel
¼	¼:18 NPT	2VF2	V2F2	2VM2	V2M2	2VF2-E	V2F2-E	Steel
¼	¼:18 NPT	2VF2-B	V2F2-B	2VM2-B	V2M2-B	2VF2-B-E	V2F2-B-E	Brass
¼	¼:18 NPT	2VF2-SS	V2F2-SS	2VM2-SS	V2M2-SS	2VF2-SS-E	V2F2-SS-E	316 SS
¼	¼:19 BSPP	2VBF2	V2BF2	-	-	2VBF2-E	V2BF2-E	Steel
¼	¼:19 BSPP	2VBF2-B	V2BF2-B	-	-	2VBF2-B-E	V2BF2-B-E	Brass
¼	¼:19 BSPP	2VBF2-SS	V2BF2-SS	-	-	2VBF2-SS-E	V2BF2-SS-E	316 SS
¼	7/16 :20 ORB	2VOF2	V2OF2	-	-	-	-	Steel
⅜	⅜:18 NPT	3VF3	-	3VM3	V3M3	3VF3-E	V3F3-E	Steel
⅜	⅜:18 NPT	3VF3-B	V3F3-B	3VM3-B	V3M3-B	-	V3F3-B-E	Brass
⅜	⅜:18 NPT	3VF3-SS	V3F3-SS	3VM3-SS	V3M3-SS	-	V3F3-SS-E	316 SS
⅜	⅜:19 BSPP	3VBF3	V3BF3	-	-	3VBF3-E	V3BF3-E	Steel
⅜	⅜:19 BSPP	3VBF3-B	V3BF3-B	-	-	3VBF3-B-E	V3BF3-B-E	Brass
⅜	⅜:19 BSPP	3VBF3-SS	V3BF3-SS	-	-	3VBF3-SS-E	V3BF3-SS-E	316 SS
⅜	9/16 :18 ORB	3VOF3	V3OF3	-	-	-	-	Steel
⅜	½:14 NPT	3VF4	V3F4	-	-	-	-	Steel
½	½:14 NPT	4VF4	V4F4	4VM4	V4M4	4VF4-E	V4F4-E	Steel
½	½:14 NPT	4VF4-B	-	4VM4-B	V4M4-B	4VF4-B-E	V4F4-B-E	Brass
½	½:14 NPT	4VF4-SS	V4F4-SS	4VM4-SS	V4M4-SS	4VF4-SS-E	V4F4-SS-E	316 SS
½	½:14 BSPP	4VBF4	V4BF4	-	-	4VBF4-E	V4BF4-E	Steel
½	½:14 BSPP	4VBF4-B	V4BF4-B	-	-	4VBF4-B-E	V4BF4-B-E	Brass
½	½:14 BSPP	4VBF4-SS	V4BF4-SS	-	-	4VBF4-SS-E	V4BF4-SS-E	316 SS
½	¾:16 ORB	4VOF4	V4OF4	-	-	-	-	Steel
½	¾:14 NPT	4VF6	V4F6	6VM6	V6M6	-	-	Steel
¾	¾:14 NPT	6VF6	V6F6	6VM6-B	V6M6-B	6VF6-E	V6F6-E	Steel
¾	¾:14 NPT	6VF6-B	V6F6	6VM6-SS	V6M6-SS	6VF6-B-E	V6F6-B-E	Brass
¾	¾:14 NPT	6VF6-SS	V6F6-B	-	-	6VF6-SS-E	V6F6-SS-E	316 SS
¾	¾:14 BSPP	6VBF6	V6F6-SS	-	-	6VBF6-E	V6BF6-E	Steel
¾	¾:14 BSPP	6VBF6-B	V6BF6	-	-	6VBF6-B-E	V6BF6-B-E	Brass
¾	¾:14 BSPP	6VBF6-SS	V6BF6-B	-	-	6VBF6-SS-E	V6BF6-SS-E	316 SS
¾	1 1/16:12 ORB	6VOF6	V6BF6-SS	-	-	-	-	Steel
1	1:11½ NPT	8VF8	V6OF6	8VM8	V8M8	8VF8-E	V8F8-E	Steel
1	1:11½ NPT	8VF8-B	V8F8-B	8VM8-B	V8M8-B	8VF8-B-E	V8F8-B-E	Brass
1	1:11½ NPT	8VF8-SS	V8F8-SS	8VM8-SS	V8M8-SS	8VF8-SS-E	V8F8-SS-E	316 SS
1	1:11 BSPP	8VBF8	V8BF8	-	-	8VBF8-E	V8BF8-E	Steel
1	1:11 BSPP	8VBF8-B	V8BF8-B	-	-	8VBF8-B-E	V8BF8-B-E	Brass
1	1:11 BSPP	8VBF8-SS	V8BF8-SS	-	-	8VBF8-SS-E	V8BF8-SS-E	316 SS
1	1 5/16:12 ORB	8VOF8	V8OF8	-	-	-	-	Steel
1¼	1¼:11½ NPT	10VF10	V10F10	10VM10	V10M10	10VF10-E	V10F10-E	Steel
1¼	1¼:11½ NPT	10VF10-B	V10F10-B	10VM10-B	V10M10-B	10VF10-B-E	V10F10-B-E	Brass
1¼	1¼:11½ NPT	10VF10-SS	V10F10-SS	10VM10-SS	V10M10-SS	-	-	316 SS
1¼	1¼:11 BSPP	10VBF10	V10BF10	-	-	10VBF10-E	V10BF10-E	Steel
1¼	1¼:11 BSPP	10VBF10-B	V10BF10-B	-	-	10VBF10-B-E	V10BF10-B-E	Brass
1¼	1¼:11 BSPP	10VBF10-SS	V10BF10-SS	-	-	-	-	316 SS
1¼	1⅝:12 ORB	10VOF10	V10OF10	-	-	-	-	Steel
1½	1½:11½ NPT	12VF12	V12F12	12VM12	V12M12	12VF12-E	V12F12-E	Steel
1½	1½:11½ NPT	12VF12-B	V12F12-B	12VM12-B	V12M12-B	12VF12-B-E	V12F12-B-E	Brass
1½	1½:11½ NPT	12VF12-SS	V12F12-SS	12VM12-SS	V12M12-SS	12VF12-SS-E	V12F12-SS-E	316 SS
1½	1½:11 BSPP	12VBF12	V12BF12	-	-	-	-	Steel
1½	1½:11 BSPP	12VBF12-B	V12BF12-B	-	-	-	-	Brass
1½	1½:11 BSPP	12VBF12-SS	V12BF12-SS	-	-	-	-	316 SS
1½	1⅞:12 ORB	12VOF12	V12OF12	-	-	-	-	Steel
2	2:11½ NPT	16VF16	V16F16	16VM16	V16M16	16VF16-E	V16F16-E	Steel
2	2:11½ NPT	16VF16-B	V16F16-B	16VM16-B	V16M16-B	-	-	Brass
2	2:11½ NPT	16VF16-SS	V16F16-SS	16VM16-SS	V16M16-SS	16VF16-SS-E	V16F16-SS-E	316 SS
2	2:11 BSPP	16VBF16	V16BF16	-	-	-	-	Steel
2	2:11 BSPP	16VBF16-B	V16BF16-B	-	-	-	-	Brass
2	2:11 BSPP	16VBF16-SS	V16BF16-SS	-	-	-	-	316 SS

Product Group: AP11

V-Series Snap-Tite H/H Straight-Through Interchange Part Numbers

Body Size (inch)	Threads (inch)	Part Numbers				Body Material
		Unvalved Couplers Male Thread	Unvalved Nipples Male Thread	Valved Couplers JIC Thread	Valved Nipples JIC Thread	
¼	¼:18 NPT	V2M2-E	2VM2-E	-	-	Steel
¼	¼:18 NPT	V2M2-B-E	2VM2-B-E	-	-	Brass
¼	¼:18 NPT	V2M2-SS-E	2VM2-SS-E	-	-	316 SS
¼	7/16:20 JIC	-	-	-	2VJM2	Steel
⅜	⅜:18 NPT	V3M3-E	-	-	-	Steel
⅜	⅜:18 NPT	V3M3-B-E	-	-	-	Brass
⅜	⅜:18 NPT	V3M3-SS-E	-	-	-	316 SS
⅜	9/16:18 JIC	-	-	V3JM3	3VJM3	Steel
½	½:14 NPT	V4M4-E	-	-	-	Steel
½	½:14 NPT	V4M4-B-E	-	-	-	Brass
½	½:14 NPT	V4M4-SS-E	-	-	-	316 SS
½	¾:16 JIC	-	-	V4JM4	4VJM4	Steel
¾	¾:14 NPT	V6M6-E	-	-	-	Steel
¾	¾:14 NPT	V6M6-B-E	-	-	-	Brass
¾	¾:14 NPT	V6M6-SS-E	-	-	-	316 SS
¾	11/16:12 JIC	-	-	V6JM6	6VJM6	Steel
1	1:11½ NPT	V8M8-E	-	-	-	Steel
1	1:11½ NPT	V8M8-B-E	-	-	-	Brass
1	1:11½ NPT	V8M8-SS-E	-	-	-	316 SS
1	1 5/16:12 JIC	-	-	V8JM8	8VJM8	Steel
1¼	1¼:11½ NPT	V10M10-E	-	-	-	Steel
2	2:11½ NPT	V16M16-SS-E	-	-	-	316 SS

Seal options:
F- = FKM
P- = EPDM
PS- = Steam EP
D- = FDA FKM
M- = Military Grade Nitrile
JF- = Fuel Nitrile
S- = Silicone
K4- = Kalrez 4079
K6- = Kalrez 6372
K7- = Kalrez 7075

Valve options:
-E = Unvalved
-TV = Tbuular Valve
-BV = Brass Valve
-ZV = Steel Valve
-SSV = 316 Stainless Steel

Other options:
-LS = Locking Sleeve
-C1 = Oxy-Clean

Product Group: AP11



CVV-Series European Screw-Together Interchange

Materials

- Machined components are manufactured using solid steel bar stock
- Steel retaining rings and springs maximise service life in rugged environments
- Steel componentry is plated using ROHS-compliant trivalent chrome

Seal Components

- Nitrile (Buna-N) seals are standard, providing a temperature range of -25°C to 125°C
- Nipples have a PTFE anti-extrusion ring to prevent O-ring damage during dynamic impulse service

Interchange Data

- European screw-together interchange
- Inteva STG-Series, Faster CVV-Series, DNP PVV3, Voswinkel Type-HS
- Interchangeable with ISO14541:1/4" to 3/4"

Coupler/Plug Coupled Rated Pressure Chart

Size (inch)	Working Pressure		Burst Pressure	
	PSI	Bar	PSI	Bar
¼	6500	450	26000	1800
⅜	6500	450	26000	1800
½	5800	400	23200	1600
¾	5800	400	23200	1600
1	4400	300	17600	1300
1¼	4400	300	17600	1200

Body Size (inch)	Interchange Standards		Functional Parameters				
	International Standards	ANSI/NFPA Standards	Locking Ball Quantity	Air Inclusion	Fluid Loss	Vacuum inch HG	Flow ΔP = 15 PSI
¼	ISO14541	-	Threaded	N/A	N/A	27.4	26
⅜	ISO14541	-	Threaded	N/A	N/A	27.4	37
½	ISO14541	-	Threaded	N/A	N/A	27.4	56
¾	ISO14541	-	Threaded	N/A	N/A	27.4	98
1	-	-	Threaded	N/A	N/A	27.4	170
1¼	-	-	Threaded	N/A	N/A	27.4	265

Note: Threaded sleeves enable easy connection and disconnection while system is under residual pressure only

CVV-Series European Dust Plugs



Body Size (inch)	Part Numbers	Lanyard	Body Material
¼	2CVVDP	Plastic	Plastic
⅜	3CVVDP	Plastic	Plastic
½	4CVVDP	Plastic	Plastic
¾	6CVVDP	Plastic	Plastic
1	8CVVDP	Plastic	Plastic
1¼	10CVVDP	Plastic	Plastic

Product Group: AP02

CVV-Series European Dust Caps



Body Size (inch)	Part Numbers	Lanyard	Body Material
¼	CVV2DC	Plastic	Plastic
½	CVV3DC	Plastic	Plastic
½	CVV4DC	Plastic	Plastic
¾	CVV6DC	Plastic	Plastic
1	CVV8DC	Plastic	Plastic
1¼	CVV10DC	Plastic	Plastic

Product Group: AP02

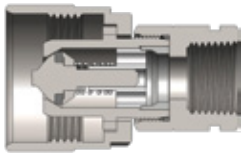
CVV-Series European Screw-Together Interchange

CVV-Series Couplers

Female Thread

Materials & Sizes

- Steel Body: 1/4" to 1¼" with NPT & BSPP thread sizes 1/4" to 1¼"
- Steel Body: 1/2" with O-ring boss thread sizes 3/4" & 7/8"
- Steel Body: 1/4" to 3/4" with thread sizes M14X1.5, M16X1.5, M18X1.5 & M22X1.5



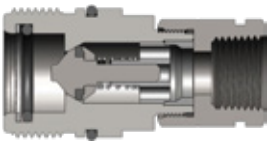


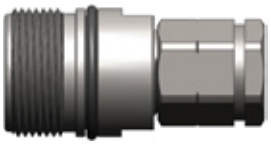
CVV-Series Nipples

Female Thread

Materials & Sizes

- Steel Body: 1/4" to 1¼" with NPT & BSPP thread sizes 1/4" to 1¼"
- Steel Body: 1/2" with O-ring boss thread sizes 3/4" & 7/8"
- Steel Body: 1/4" to 3/4" with thread sizes M14X1.5, M16X1.5, M18X1.5 & M22X1.5





CVV-Series European Screw-Together Part Numbers

Body Size (inch)	Threads (inch)	Part Numbers		Body Material
		Couplers Female Thread	Nipples Female Thread	
¼	¼:18 NPT	2CVVF2	CVV2F2	Steel
¼	¼:19 BSPP	2CVVBF2	CVV2BF2	Steel
¼	M14X1.5	2CVVFM1415	CVV2FM1415	Steel
⅜	⅜:18 NPT	3CVVF3	CVV3F3	Steel
⅜	⅜:19 BSPP	3CVVBF3	CVV3BF3	Steel
⅜	M16X1.5	3CVVFM1615	CVV3FM1615	Steel
½	½:14 NPT	4CVVF4	CVV4F4	Steel
½	¾:16 ORB	4CVVOF4	CVV4OF4	Steel
½	½:14 BSPP	4CVVBF4	CVV4BF4	Steel
½	M18X1.5	4CVVFM1815	CVV4FM1815	Steel
½	⅞:14 ORB	4CVVOF5	CVV4OF5	Steel
½	M22X1.5	4CVVFM2215	CVV4FM2215	Steel
¾	¾:14 NPT	6CVVF6	CVV6F6	Steel
¾	¾:14 BSPP	6CVVBF6	CVV6BF6	Steel
¾	M22X1.5	6CVVFM2215	CVV6FM2215	Steel
1	1:11½ NPT	8CVVF8	CVV8F8	Steel
1	1:11 BSPP	8CVVBF8	CVV8BF8	Steel
1¼	1¼:11½ NPT	10CVVF10	CVV10F10	Steel
1¼	1¼:11 BSPP	10CVVBF10	CVV10BF10	Steel

Product Group: AP17

PD-Series ISO15171-1 Diagnostic Interchange

Materials

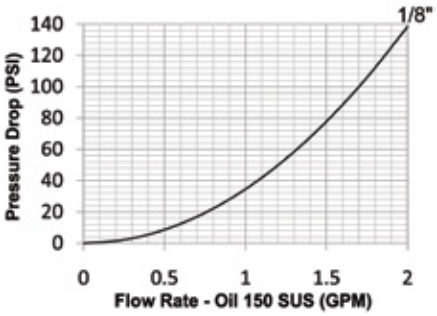
- Machined components are manufactured using solid steel bar stock
- Stainless steel balls, retaining rings and springs maximise corrosion resistance and extend service life
- Steel componentry is plated using ROHS-compliant trivalent chrome
- Steel nipples are machined from solid steel bar stock and hardened

Seal Components

- Nitrile (Buna-N) seals are standard, providing a temperature range of -40°C to 121°C
- PTFE anti-extrusion ring protects the main coupler O-ring from dynamic impulse pressure damage

Interchange Data

- Interchangeable to ISO15171-1
- Parker PD-Series, Aeroquip FD90, Tomco Series DK

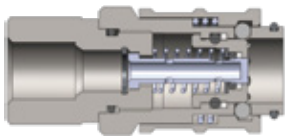


Rated Pressure Chart

Size (inch)	Steel Coupler/Plug Coupled				Steel Plug Uncoupled			
	Working Pressure		Burst Pressure		Working Pressure		Burst Pressure	
	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar
⅛	6000	400	18700	1300	6000	400	24000	1600

Body Size (inch)	Interchange Standards		Functional Parameters				
	International Standards	ANSI/NFPA Standards	Locking Ball Quantity	Air Inclusion	Fluid Loss	Vacuum inch HG	Flow ΔP = 15 PSI
⅛	ISO15171-1	SAE J1502	10	0.02	0.1	27.4	3.0





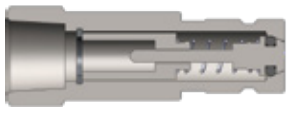
PD-Series Diagnostic Couplers

Female Thread

Materials & Sizes

- Steel Body: 1/8" with NPT thread sizes 1/8" & 1/4"





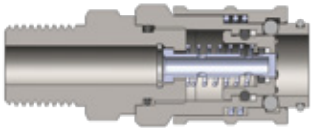
PD-Series Diagnostic Nipples

Female Thread

Materials & Sizes

- Steel Body: 1/8" with NPT thread sizes 1/8" & 1/4"





PD-Series Diagnostic Couplers

Male Thread

Materials & Sizes

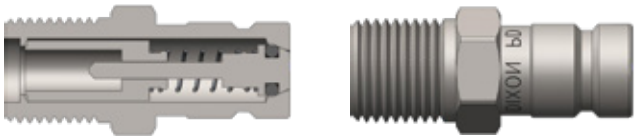
- Steel Body: 1/8" with NPT thread sizes 1/4"

PD-Series Diagnostic Nipples

Male Thread

Materials & Sizes

- Steel Body: 1/8" with NPT thread sizes 1/8" & 1/4"

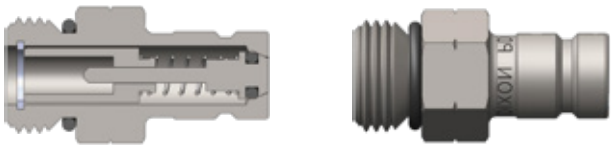


PD-Series Diagnostic Couplers

Male ORB Thread

Materials & Sizes

- Steel Body: 1/8" with O-ring Boss thread sizes 7/16" or 9/16"



PD-Series ISO15171-1 Diagnostic Part Numbers

Body Size (inch)	Thread Size (inch)	Part Numbers					Body Material
		Couplers Female Thread	Nipples Female Thread	Couplers Male Thread	Nipples Male Thread	Nipples ORB Thread	
⅛	⅛:27 NPT	1PDF1	PD1F1	-	PD1M1	PD1OM2	Steel
⅛	¼:18 NPT	1PDF2	PD1F2	1PDM2	PD1M2	PD1OM3	Steel

Product Group: AP15

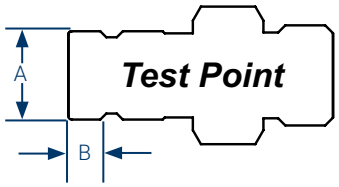
PD-Series Nipple Dust Cap

Body Size (inch)	Part Numbers	Body Material
⅛	H1DC	Nitrile

Product Group: AP02

PD-Series Profile

Body Size (inch)	A (mm)	B (mm)
⅛	12.45	4.83



CNG-Series

Application

- Used to facilitate the large volume transfer of high-pressure compressed natural gas (CNG) for applications such as virtual CNG pipelines, mining, oil exploration, well site development, and remote location natural gas delivery.

Features

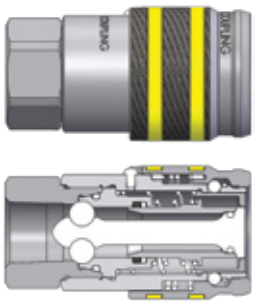
- Meets CNG service requirements
- Improved body and valve design provides a 30% increased flow performance over standard ISO-B designs
- The latch mechanism provides brinelling resistance
- The locking sleeve design prevents accidental disconnection
- Captured valve O-ring for reliability in high-flow conditions
- CNG plugs supplied with a combination dust cap/plug
- Non-sparking material

Materials

- 303 stainless steel

Specifications

- Designed to ISO7241-B Series profile
- 5,000 PSI maximum working pressure



Body Size (inch)	Part Numbers		
	Coupler	Plug	Threads
1	8CNGF8-S	CNG8F8-S	1":11½" NPT
1	-	CNG8OM8-S	15/16":12 ORB

Product Group: AP08

Dixon Quick Couplings
CNG-Series

Dixon's CNG-Series are a quick coupling designed and manufactured at Dixon Quick Coupling located in Dallas, North Carolina. These quick disconnects are designed and qualified specifically for compressed natural gas service.

The couplings help facilitate the transfer of large volumes of CNG at high pressures. They are typically installed on hoses, pressure-reducing skids, or on the trailer manifold. The couplings can be used to transfer gas in other applications, as well, such as mining, oil exploration, well site development, and remote location natural gas delivery.



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FloMAX Fuelling System - Diesel Fuel Nozzle

Application

- On-site refuelling of construction, mining, forestry, and agricultural equipment.

Design

- Interchanges with Caterpillar® and Wiggins systems
- Integrated high-flow swivel
- Integrated sealing plug
- Delron® bushings eliminate metal-to-metal wear
- Plug/bumper assembly gives a complete nose seal

Materials

- Cast aluminium housing, anodised
- Anodised aluminium non-wear parts
- Heat-treated stainless steel wear components

Working Pressure

- Tested to 180 GPM

Options

- Stainless steel ball-lock and dog latch mechanisms are available



Size (inch)	Part Numbers	Thread	Description
1½	FN600	Female NPT	Fuel nozzle with swivel, plug & dog latch
	FN600BL	Female NPT	Fuel nozzle with swivel, plug & ball-lock
	FN600B-PLUG	-	Fuel nozzle sealing plug for FN600
	FN600B	-	Fuel nozzle sealing plug for FN600BL
	FN600-K1	-	Service kit
	FN600-K0	-	Rebuild tools
	FN600S	-	Fuel nozzle with swivel
	FN800-P	Female NPT	Fuel nozzle with 2" inlet swivel, plug & ball-lock

Product Group: AS04

FloMAX Fuelling System - Diesel Fuel Receivers

Application

- On-site refuelling of construction, mining, forestry and agricultural equipment.

Design

- Interchanges with Caterpillar® and Wiggins systems
- FR-RS receiver allows replacement of worn components without draining the fuel tank

Materials

- Available in anodised aluminium or nickel-plated steel
- O-ring sealed aluminium cap
- Plug has set screw attached vinyl coated cable lanyard
- FR-RS receiver has an aluminium base with a nickel-plated steel nose

One-Piece Body



Part Numbers	Description
FRS	Fuel receiver - steel
FRS-C	Fuel receiver - steel with cap
FRA	Fuel receiver - aluminium
FRA-C	Fuel receiver - aluminium with cap
FR-CAP	Fuel receiver cap

Product Group: AS04

Two-Piece Body



Part Number	Description
FR-RS-C	Fuel receiver with cap

Product Group: AS04

Non-Interchange Diesel Fuel Nozzle and Receiver

Application

- Often used in biodiesel fuelling.

Features

- Designed to prevent fuel contamination
- Connects to the non-interchange receiver only
- Ball-lock design

Nozzle

Part Number	Description
FN600BL-NI	Ball-lock fuel nozzle with swivel & plug

Product Group: AS04



Receiver - Anodised Aluminium

Part Number	Description
FRA-NI-C	One piece receiver with cap

Product Group: AS04



FloMAX Fuelling System - Diesel High-Flow Fuel Nozzle

Application

- High-flow on-site refuelling of construction, mining, forestry, and agricultural equipment and machinery.

Design

- Stainless steel ball-lock design

Materials

- Cast aluminium housing
- Anodised aluminium non-wear parts
- Stainless steel internal wear components
- Delron® bushings

Working Pressure

- Tested to 1500 litres per minute

Size (inch)	Part Numbers	Thread	Description
2	FX1500SP	Female NPT	High-flow fuel nozzle with swivel & plug
	FX1500	Female NPT	High-flow fuel nozzle, no swivel or plug
	FX1500P	Female NPT	High-flow fuel nozzle with plug, no swivel
	FX1500S	Female NPT	High-flow fuel nozzle with swivel, no plug
	FX1500PLUG	-	Sealing plug for FX1500

Product Group: AS04



FloMAX Fuelling System - Diesel High-Flow Fuel Receiver

Application

- High-flow on-site refuelling of construction, mining, forestry and agricultural equipment and machinery.

Materials

- Aluminium anodised with stainless steel removable sleeve
- O-ring sealed aluminium cap
- Plug has set screw attached vinyl coated cable lanyard

Working Pressure

- Tested to 1500 litres per minute

Size (inch)	Part Numbers	Thread	Description
2	FRX	Female NPT	High-flow diesel fuel receiver
	FRX-C	Female NPT	High-flow diesel fuel receiver with cap
	FRXCAP	-	Cap to suit high-flow receiver

Product Group: AS04



FloMAX Fuelling System - Diesel Fuel Swivels

Features
- Stainless steel male threaded base and ball bearings
- Hard black anodised female threaded nut
- Flurosilicone sealing o-rings

Materials
- Stainless steel and aircraft-grade aluminium



Standard



Double

Size (inch)	Part Numbers	Thread	Description
1½	FNS	NPT	Standard fuel swivel - male x female NPT
2 x 1½	FNS2	NPT	Standard fuel swivel - male x female NPT
1½	FN600S	NPT	FN600 fuel swivel - used with FN600 or FN600BL
	FNSID	NPT	Double fuel swivel - male x female NPT

Product Group: AS04

FloMAX Fuelling System - Gravity Fill Receivers

Application
- Small diameter for filling small fuel tanks.

Features
- Fits 1½" fuel receivers
- Allows transfer of fluid without using standard fuel receiver

Materials
- Aircraft-grade aluminium


90°


Straight

Size (inch)	Part Numbers	Style
1½	GFR-0	Straight
	GFR-45	45°
	GFR-90	90°
1	GFR1-0	Straight
	GFR1-45	45°
	GFR1-90	90°

Used with FN600 or FN600BL

Product Group: AS04

FloMAX Fuel Vent System

Application
- On-site refuelling of construction, mining, forestry, and agricultural equipment.

Design
- Billet cap provides superior impact resistance
- Easily serviced
- All metal construction
- Rigid ball age for positive seal

Options
- Available with threaded outlet, half coupling


VTT


VTX

Size (inch)	Part Numbers	Style
5	VT	5" Tube
7	VT7	7" Tube
9	VT9	9" Tube
5	VTT	Threaded outlet with 5" tube
7	VTT7	Threaded outlet with 7" tube
9	VTX-9	High-flow 9" tube

Product Group: AS04

FloMAX Standard Series Connectors - Engine Oil (Red)

Design

- 4 colour-coded mating connectors
- Easily recognisable labelling and is fully compatible and interchangeable with industry standard
- Universally fits all crankcase receivers, both R-series and standard series
- Incorporates 10 locking balls with a 40% deeper engagement
- Larger diameter pullback lanyard
- Smoother actuation

Materials

- All metal construction
- Stainless steel wear components
- Bright red anodised aircraft-grade aluminium non-wear components
- Delron® bushings

Nozzles

Size (inch)	Part Numbers	Thread	Description
¾	ENBL	Male NPT	Engine nozzle ball-lock
	ENBL-P	Male NPT	Engine nozzle ball-lock with plug
-	ENBL-PLUG	-	Engine nozzle plug

Product Group: AS04



Receivers

Size (inch)	Part Numbers	Thread	Description
¾	ERS	Male NPT	Engine receiver
	ERS-C	Male NPT	Engine receiver with cap
-	ERS-CAP	-	Engine receiver cap
¾	ERJ	Male JIC	Engine receiver with JIC bulkhead base
	ERJ-C	Male JIC	Engine receiver with JIC bulkhead base & cap

Product Group: AS04



FloMAX Standard Series Connectors - Coolant Fluid (Teal)

Design

- Colour-coded mating connectors
- Ergonomically engineered pullbacks and caps
- The standard roll-pin locking mechanism

Materials

- Nickel-plated stainless steel nozzle and base
- Bright teal anodised aluminium

Nozzles

Size (inch)	Part Numbers	Thread	Description
½	CN	Male NPT	Coolant nozzle ball-lock
	CN-P	Male NPT	Coolant nozzle ball-lock with plug
-	CN-PLUG	-	Coolant nozzle plug

Product Group: AS04



Receivers

Size (inch)	Part Numbers	Thread	Description
½	CR-S	Male NPT	Coolant receiver
	CR-C	Male NPT	Coolant receiver with cap
-	CR-CAP	-	Coolant receiver cap

Product Group: AS04



FloMAX Standard Series Connectors - Hydraulic Oil (Gold)

Design

- Easily recognisable labelling
- Fully compatible and interchangeable with industry standard
- Ergonomically engineered pullbacks and caps
- 10 steel dog latching mechanism
- Colour-coded mating connectors

Materials

- All metal construction
- Stainless steel wear components
- Bright gold anodised aircraft-grade aluminium non-wear components
- Nickel-plated stainless steel wear components



Nozzles

Size (inch)	Part Numbers	Thread	Description
¾	HN	Female NPT	Hydraulic nozzle
	HN-P	Female NPT	Hydraulic nozzle with plug
-	HN-PLUG	-	Hydraulic nozzle plug

Product Group: AS04



Receivers

Size (inch)	Part Numbers	Thread	Description
¾	HR	Male NPT	Hydraulic receiver
	HR-C	Male NPT	Hydraulic receiver with cap
-	HR-CAP	-	Hydraulic receiver cap

Product Group: AS04

FloMAX Standard Series Connectors - Transmission Fluid (Violet)

Design

- Ergonomically engineered pullbacks and caps
- 6 steel dog latching mechanism
- Colour-coded mating connectors

Materials

- Nickel-plated stainless steel nozzle nose and base
- Bright violet anodised



Nozzles

Size (inch)	Part Numbers	Thread	Description
½	TN	Male NPT	Transmission nozzle
	TN-P	Male NPT	Transmission nozzle with plug
-	TN-PLUG	-	Transmission nozzle plug

Product Group: AS04



Receivers

Size (inch)	Part Numbers	Thread	Description
½	TR	Male NPT	Transmission receiver
	TR-C	Male NPT	Transmission receiver with cap
-	TR-CAP	-	Transmission receiver cap

Product Group: AS04

FloMAX R-Series Connectors - Engine Oil (Red)

Design

- Fully compatible and interchangeable with industry standard R-Series connectors
- Colour-coded and labelled mating components provide for quick and positive identification
- All metal construction ensures long and reliable performance
- Ergonomically engineered pullbacks and caps
- Standard roll-in locking mechanism

Materials

- Stainless steel and anodised aircraft-grade aluminium

Nozzles

Size inch	Part Numbers	Thread	Description
¾	R-EN	Female NPT	R-Series engine nozzle ball-lock
	R-EN-P	Female NPT	R-Series engine nozzle ball-lock with plug
	R-EN-PLUG	-	R-Series engine nozzle ball-lock

Product Group: AS04



Receivers

Part Numbers	Thread		Description
	Male	Female	
R-ER	1.625-12 UN-2A	1.312-12 UN-2B	R-Series engine receiver
R-ER-C	1.625-12 UN-2A	1.312-12 UN-2B	R-Series engine receiver with cap
R-ER-CAP	-	-	R-Series engine receiver cap

Product Group: AS04



FloMAX R-Series Connectors - Coolant Fluid (Teal)

Nozzles

Size inch	Part Numbers	Thread	Description
½	R-CN	Female NPT	R-Series coolant nozzle ball-lock
	R-CN-P	Female NPT	R-Series coolant nozzle ball-lock with plug
	R-CN-PLUG	-	R-Series coolant nozzle ball-lock

Product Group: AS04



Receivers

Part Numbers	Thread		Description
	Male	Female	
R-CR	1.187-12 UN-2A	.875-14 UN-2B	R-Series coolant receiver
R-CR-C	1.187-12 UN-2A	.875-14 UN-2B	R-Series coolant receiver cap

Product Group: AS04



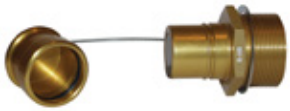
FloMAX R-Series Connectors - Hydraulic Oil (Gold)



Nozzles

Size (inch)	Part Numbers	Thread	Description
1	R-HN	Female NPT	Hydraulic nozzle
	R-HN-P	Female NPT	Hydraulic nozzle with plug
-	R- HN-PLUG	-	Hydraulic nozzle plug

Product Group: AS04



Receivers

Part Numbers	Thread		Description
	Male	Female	
R-HR	1.875-12 UN-2A	1.625-12 UN-2B	R-Series hydraulic receiver
R-HR-C	1.875-12 UN-2A	1.625-12 UN-2B	R-Series hydraulic receiver with cap
R-HR-CAP	-	-	R-Series hydraulic receiver cap

Product Group: AS04

FloMAX R-Series Connectors - Transmission Fluid (Violet)



Nozzles

Size (inch)	Part Numbers	Thread	Description
¾	R-TN	Female NPT	Transmission nozzle
	R-TN-P	Female NPT	Transmission nozzle with plug
-	R-TN-PLUG	-	Transmission nozzle plug

Product Group: AS04



Receivers

Part Numbers	Thread		Description
	Male	Female	
R-TR	1.312-12 UN-2A	1.062-12 UN-2B	Transmission receiver
R-TR-C	1.312-12 UN-2A	1.062-12 UN-2B	Transmission receiver with cap
R-TR-CAP	-	-	Transmission receiver cap

Product Group: AS04

FloMAX Flush Face Connectors

Features

- The new patented design uses an internally sealed ball-lock mechanism to ensure a clean and trouble-free performance
- All flush-face connectors have the same outside dimensions and weight
- 12 colour choices and sizes are available along with a universal evacuation nozzle
- Can be connected without pulling on the nozzle pull back
- Flush face nozzle and receiver available in JIC base configuration on request
- Can be connected or disconnected under pressure
- The high-flow, patented non-interchangeable feature means each colour will only mate with its corresponding coloured receiver or nozzle
- 500 PSI working pressure
- 50 GPM flow rate

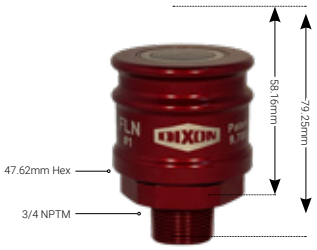
Material

- Aircraft-grade aluminium and hardened stainless steel
- Size: 3/4" male NPT

Nozzles

Size (inch)	Part Numbers	Thread (male)	Colour
¾	FLN-1	NPT	Red
	FLN-2	NPT	Gold
	FLN-3	NPT	Teal
	FLN-4	NPT	Violet
	FLN-5	NPT	Navy
	FLN-6	NPT	Brown
	FLN-7	NPT	Blue/Grey
	FLN-8	NPT	Clear
	FLN-9	NPT	Green
	FLN-10	NPT	Grey
	FLN-11	NPT	Bronze
	FLN-12	NPT	Orange
	FLN-16EVAC	NPT	Flush face evacuation nozzle NPT
	FLNJ-EVAC	JIC	Flush face evacuation nozzle JIC

Product Group: AS04



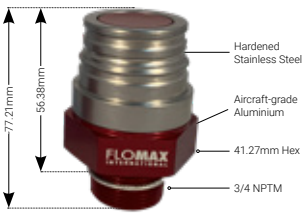
Flush Face Nozzle

Receivers

Size (inch)	Part Numbers	Thread (male)	Colour
¾	FLR-C-1	NPT	Red
	FLR-C-2	NPT	Gold
	FLR-C-3	NPT	Teal
	FLR-C-4	NPT	Violet
	FLR-C-5	NPT	Navy
	FLR-C-6	NPT	Brown
	FLR-C-7	NPT	Blue/Grey
	FLR-C-8	NPT	Clear
	FLR-C-9	NPT	Green
	FLR-C-10	NPT	Grey
	FLR-C-11	NPT	Bronze
	FLR-C-12	NPT	Orange

All receivers supplied with cap and lanyard

Product Group: AS04



Flush Face Receiver

FloMAX Flush Face Grease Connectors

Design

- Can be connected and disconnected under pressure
- Patented design uses an internally sealed ball-lock mechanism to ensure trouble-free performance in even the harshest conditions
- The receiver has a built-in check valve
- 1" female NPT on both receiver and nozzle for maximum flow and adaptability
- Fail-safe shut-off for safety
- Flush face design helps ensure vehicle and port cleanliness

Materials

- Stainless steel construction



Nozzles

Size (inch)	Part Numbers	Thread	Colour
1	FLNG-1	Female NPT	Blue
	FLNG-2	Female NPT	Orange

Product Group: AS04



Receivers

Size (inch)	Part Numbers	Thread	Colour
1	FLRG-1	Female NPT	Blue
	FLRG-2	Female NPT	Orange

Product Group: AS04

FloMAX 3/4" Connectors

Specifications

- Consists of 6 nozzles and receivers
- Colour-coded for quick identification of mating parts
- Will only couple with their matching colour component
- Protection against cross-contamination

Materials

- All metal construction using stainless steel and anodised aircraft-grade aluminium

Working Pressure

- Maximum flow rate of 50 GPM
- Working pressure rating of 500 PSI



Nozzles

Size (inch)	Part Numbers	Thread	Description
¾	ENBL-P	Male NPT	Red nozzle with plug
	ENBL-P2	Male NPT	Gold nozzle with plug
	ENBL-P3	Male NPT	Teal nozzle with plug
	ENBL-P4	Male NPT	Violet nozzle with plug
	ENBL-P5	Male NPT	Navy nozzle with plug
	ENBL-P6	Male NPT	Copper nozzle with plug

Product Group: AS04



Receivers

Size (inch)	Part Numbers	Thread	Description
¾	ERS-C	Male NPT	Red receiver with plug
	ERS-C2	Male NPT	Gold receiver with plug
	ERS-C3	Male NPT	Teal receiver with plug
	ERS-C4	Male NPT	Violet receiver with plug
	ERS-C5	Male NPT	Navy receiver with plug
	ERS-C6	Male NPT	Copper receiver with plug

Product Group: AS04

FloMAX Universal Drain Nozzle

Application

- Used to drain multiple fluids and incorporates a one-way check valve to prevent backflow and potential fluid cross-contamination.

Design

- Universal evacuation nozzle that will connect with all ¾" ERS series receivers
- Ergonomically engineered pullbacks and caps
- The standard roll-pin locking mechanism

Materials

- Non-wear components are aircraft-grade aluminium
- All wear components are in stainless steel
- Black anodised

Size (inch)	Part Numbers	Thread	Description
¾	UN34-P	Male NPT	Universal extraction nozzle with plug
	UN34	Male NPT	Universal extraction nozzle

Product Group: AS04



JIC Bulkhead Receiver

Size (inch)	Part Numbers	Thread	Description
¾	ERJ-C	Male JIC	Red receiver with JIC bulkhead base, locknut & cap
	ERJ-C2	Male JIC	Gold receiver with JIC bulkhead base, locknut & cap
	ERJ-C3	Male JIC	Teal receiver with JIC bulkhead base, locknut & cap
	ERJ-C4	Male JIC	Violet receiver with JIC bulkhead base, locknut & cap
	ERJ-C5	Male JIC	Navy receiver with JIC bulkhead base, locknut & cap
	ERJ-C6	Male JIC	Copper receiver with JIC bulkhead base, locknut & cap

Product Group: AS04



FloMAX Flush
Face Connectors

- Internally sealed ball lock mechanism
- 12 colour choices and sizes, with a universal evacuation nozzle
- Can be connected or disconnected under pressure



FloMAX High-Flow Series

Application

- The high-flow series of connectors have the same non-interchangeable features as the ¾" series but are in a higher flowing 1" NPT size.

Specifications

- Consists of 7 nozzles & receivers
- Colour-coded for quick identification of mating parts
- Will only couple with their matching colour component
- Protection against cross-contamination

Design

- Nozzle/receiver combination has a flow area equivalent to a 1" schedule 80 pipe
- Nozzle incorporates a ball-lock mechanism to ensure smooth & reliable operation
- Ergonomically engineered pullbacks and caps
- Nozzle Size: 100mm long, 64mm diameter, 57mm hex
- Receiver Size: 86mm long, 47mm diameter, 51mm hex

Connections

- Nozzle: 1" female NPT
- Receiver: 1" male NPT, with a 1" female NPT threaded base

Pressure Ratings

- Working Pressure: 500 PSI
- Burst Pressure: minimum 1500 PSI

Materials

- All metal construction using
- Bright red anodised aircraft-grade aluminium non-wear components



Nozzle



Receiver

Size (inch)	Part Numbers		Thread	Colour
	Nozzle	Receiver		
1	HFN-P1	HFR-C1	NPT	Red
	HFN-P2	HFR-C1	NPT	Gold
	HFN-P3	HFR-C1	NPT	Teal
	HFN-P4	HFR-C1	NPT	Viole
	HFN-P5	HFR-C1	NPT	Navy
	HFN-P6	HFR-C1	NPT	Copper
	HFN-P7	HFR-C1	NPT	Blue/Grey

Product Group: AS04



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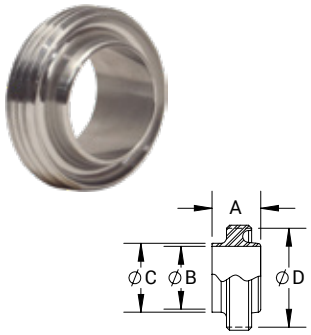
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BSM Union (RJT) Fittings

Application

- Australia commonly employs unions featuring a captive seal design for a seamless, crevice-free internal bore. These hygienic unions play a crucial role in the food and beverage industry, facilitating the connection of tubes, valves, pumps, tanks, or hoses. Distinguished by a distinct liner and a genuine O-ring in contrast to the New Zealand version, they offer versatility with various elastomer O-rings tailored to specific applications. Users can choose between two types of nuts: slotted and hexed.

RJT Welding Male



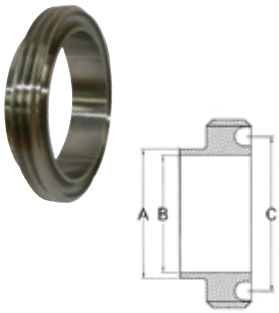
Standard
- RJT (BSM) AS1528.2 - 2001 screwed couplings

Material
- 316 stainless steel

Size		Part Numbers	A	B	C	D
mm	inch		(mm)	(mm)	(mm)	(mm)
25.4	1	15A-R100RJT	27.0	22.2	25.4	45.7 x 8T
38.1	1½	15A-R150RJT	27.0	34.9	38.1	58.4 x 8T
50.8	2	15A-R200RJT	27.0	47.6	50.8	72.7 x 6T
63.5	2½	15A-R250RJT	27.0	60.3	63.5	85.4 x 6T
76.2	3	15A-R300RJT	27.0	73.0	76.2	98.1 x 6T
101.6	4	15A-R400RJT	27.0	98.6	101.85	123.5 x 6T

Product Group: AV02

Welding Male CIP Flat Face



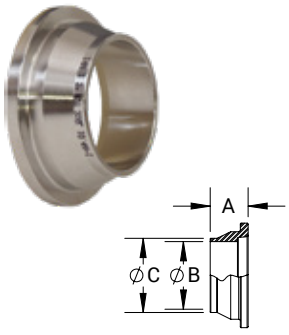
Standard
- Flat face couplings AS1528.2 - 2001 screwed couplings

Material
- 316 stainless steel

Size		Part Numbers	A	B	C
mm	inch		(mm)	(mm)	(mm)
25.4	1	15A-R100RJT-CIP	25.4	22.2	25.4
38.1	1½	15A-R150RJT-CIP	38.1	34.9	38.1
50.8	2	15A-R200RJT-CIP	50.8	47.6	50.8
63.5	2½	15A-R250RJT-CIP	63.5	60.3	63.5
76.2	3	15A-R300RJT-CIP	76.2	73.0	76.2
101.6	4	15A-R400RJT-CIP	101.6	98.6	101.6

Product Group: AV02

RJT Welding Liner



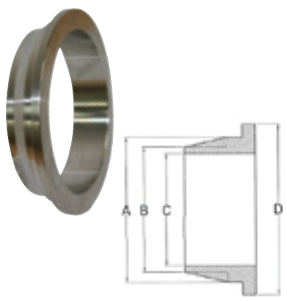
Standard
- RJT (BSM) AS1528.2 - 2001 screwed couplings

Material
- 316 stainless steel

Size		Part Numbers	A	B	C
mm	inch		(mm)	(mm)	(mm)
25.4	1	14A-R100RJT	19.5	22.1	25.4
38.1	1½	14A-R150RJT	19.5	34.8	38.1
50.8	2	14A-R200RJT	19.5	47.5	50.8
63.5	2½	14A-R250RJT	19.5	60.2	63.5
76.2	3	14A-R300RJT	19.5	72.9	76.2
101.6	4	14A-R400RJT	19.5	97.4	101.85

Product Group: AV02

Welding Liner CIP Flat Face



Standard
- Flat face couplings AS1528.2 - 2001 screwed couplings

Material
- 316 stainless steel

Size		Part Numbers	A	B	C	D
mm	inch		(mm)	(mm)	(mm)	(mm)
25.4	1	14A-R100RJT-CIP	32.6	25.4	22.2	41.3
38.1	1½	14A-R150RJT-CIP	45.3	38.1	34.9	54.0
50.8	2	14A-R200RJT-CIP	58.0	50.8	47.6	66.7
63.5	2½	14A-R250RJT-CIP	70.7	63.5	60.3	79.4
76.2	3	14A-R300RJT-CIP	83.4	76.2	73.0	92.1
101.6	4	14A-R400RJT-CIP	108.8	101.6	98.4	117.5

Product Group: AV02

BSM Union (RJT) Fittings

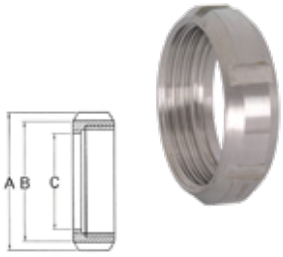
RJT Round Slotted Nut

Standard
- RJT (BSM) AS1528.2 - 2001 screwed couplings

Material
- 304 stainless steel

Size		Part Numbers	A (mm)	B (mm)	C (mm)
mm	inch				
25.4	1	13R-G100RJT	58.5	49.3	33.3
38.1	1½	13R-G150RJT	74.0	63.5	46.0
50.8	2	13R-G200RJT	85.5	77.5	58.7
63.5	2½	13R-G250RJT	98.5	90.5	71.4
76.2	3	13R-G300RJT	111.6	102.0	84.1
101.6	4	13R-G400RJT	138.0	129.0	109.5

Product Group: AV02



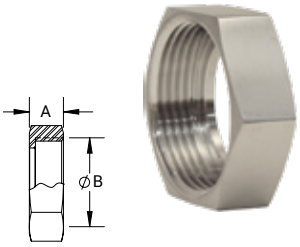
RJT Hex Nut

Standard
- RJT (BSM) AS1528.2 - 2001 screwed couplings

Material
- 304 stainless steel

Size		Part Numbers	A (mm)	B (mm)
mm	inch			
25.4	1	13H-G100RJT	22.2	42.3 x 8TPI WHIT
38.1	1½	13H-G150RJT	22.2	55.0 x 8TPI WHIT
50.8	2	13H-G200RJT	22.2	67.9 x 6TPI WHIT
63.5	2½	13H-G250RJT	22.2	80.6 x 6TPI WHIT
76.2	3	13H-G300RJT	22.2	93.3 x 6TPI WHIT
101.6	4	13H-G400RJT	22.2	118.7 x 6TPI WHIT

Product Group: AV02



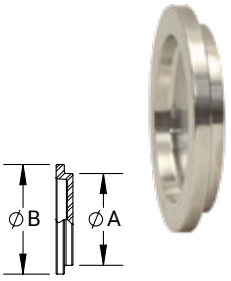
RJT Round Blank Cap

Standard
- RJT (BSM) AS1528.2 - 2001 screwed couplings

Material
- 304 stainless steel

Size		Part Numbers	A (mm)	B (mm)
mm	inch			
25.4	1	13RBN-G100RJT	32.5	41.3
38.1	1½	13RBN-G150RJT	45.2	54.0
50.8	2	13RBN-G200RJT	57.9	66.7
63.5	2½	13RBN-G250RJT	70.6	79.4
76.2	3	13RBN-G300RJT	83.3	92.1
101.6	4	13RBN-G400RJT	108.7	117.5

Product Group: AV02



RJT Hex Blank

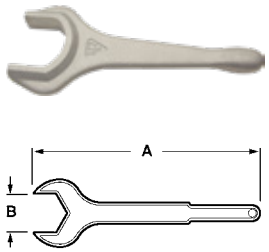
Material
- 316 stainless steel

Size		Part Numbers
mm	inch	
25.4	1	13HBN-G100RJT
38.1	1½	13HBN-G150RJT
50.8	2	13HBN-G200RJT
63.5	2½	13HBN-G250RJT
76.2	3	13HBN-G300RJT
101.6	4	13HBN-G400RJT

Product Group: AV02



RJT Hex Spanner



Standard

- Single-sided - 25H

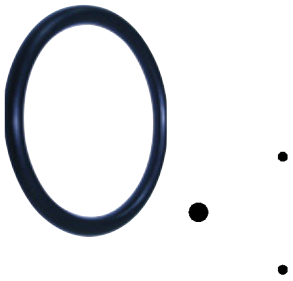
Material

- Aluminium

Size		Part Numbers	A (mm)	B (mm)
mm	inch			
25.4	1	RJT-100SP	254.00	50.80
38.1	1½	RJT-150SP	292.10	65.02
50.8	2	RJT-200SP	304.80	79.25
63.5	2½	RJT-300SP	342.80	91.95
76.2	3	RJT-400SP	368.30	104.65
101.6	4	RJT-500SP	444.50	130.05

Product Group: AV02

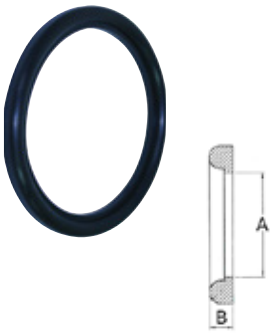
BSM (RJT) O-rings



Standard

Size		Part Numbers			ID (mm)	Width (mm)
mm	inch	Buna - NBR	EPDM	FKM		
25.4	1	40MP-U100RJT	40MP-E100RJT	40MP-SFY100RJT	26.92	6.35
38.1	1½	40MP-U150RJT	40MP-E150RJT	40MP-SFY150RJT	39.62	6.35
50.8	2	40MP-U200RJT	40MP-E200RJT	40MP-SFY200RJT	52.32	6.35
63.5	2½	40MP-U250RJT	40MP-E250RJT	40MP-SFY250RJT	65.08	6.35
76.2	3	40MP-U300RJT	40MP-E300RJT	40MP-SFY300RJT	77.72	6.35
101.6	4	40MP-U400RJT	40MP-E400RJT	40MP-SFY400RJT	103.12	6.35

Product Group: AV02



CIP

Size		Part Numbers		A (mm)	B (mm)
mm	inch	Buna - NBR	EPDM		
25.4	1	40MP-U100RJT-CIP	40MP-E100RJT-CIP	22.2	7.0
38.1	1½	40MP-U150RJT-CIP	40MP-E150RJT-CIP	34.9	7.0
50.8	2	40MP-U200RJT-CIP	40MP-E200RJT-CIP	47.6	7.0
63.5	2½	40MP-U250RJT-CIP	40MP-E250RJT-CIP	60.3	7.0
76.2	3	40MP-U300RJT-CIP	40MP-E300RJT-CIP	72.9	7.0
101.6	4	40MP-U400RJT-CIP	40MP-E400RJT-CIP	98.4	7.0
152.4	6	-	40MP-E600RJT-CIP	149.2	7.0

Product Group: AV02

Double Rolled Hose Tail



Material

- 304 stainless steel

Size		Part Numbers
mm	inch	
25.4	1	HTWE-100
38.1	1½	HTWE-150
50.8	2	HTWE-200
63.5	2½	HTWE-250
76.2	3	HTWE-300
101.6	4	HTWE-400

Product Group: AV11

NZ RJT Fittings

Application

- Used in the food and beverage industry, hygienic unions are used to connect tubes, valves, pumps, tanks, or hoses. A captive seal design is used to provide a smooth, crevice-free internal bore. The NZ RJT uses a slightly different liner and O-ring/gasket, but the nuts and males can be interchanged with the Australian and British versions. The nuts are available either hex or round (slotted). Different elastomer O-rings are available depending on the application.

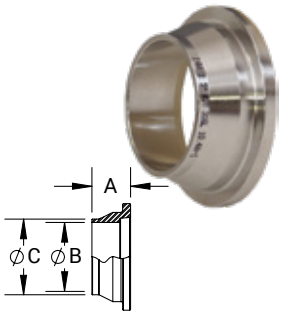
RJT Welding Liner

Material

- 316 stainless steel AS1528.2

Size		Part Numbers	A (mm)	B (mm)	C (mm)
mm	inch				
25.4	1	14A-R100RJT-NZ	22.2	22.2	25.4
38.1	1½	14A-R150RJT-NZ	34.8	34.9	38.1
50.8	2	14A-R200RJT-NZ	47.5	47.6	50.8
63.5	2½	14A-R250RJT-NZ	60.2	60.3	63.5
76.2	3	14A-R300RJT-NZ	72.9	73.0	76.2
101.6	4	14A-R400RJT-NZ	97.6	98.6	101.6
152.4	6	14A-R600RJT-NZ	147.7	149.2	152.4

Product Group: AV02



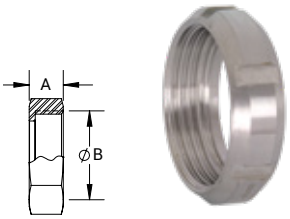
RJT Round Slotted Nut

Material

- 304 stainless steel

Size		Part Numbers	A (mm)	B (mm)
mm	inch			
25.4	1	13R-G100RJT	22.2	58.5
38.1	1½	13R-G150RJT	22.2	74
50.8	2	13R-G200RJT	22.2	85.5
63.5	2½	13R-G250RJT	22.2	98.5
76.2	3	13R-G300RJT	22.2	111.6
101.6	4	13R-G400RJT	22.2	138

Product Group: AV02



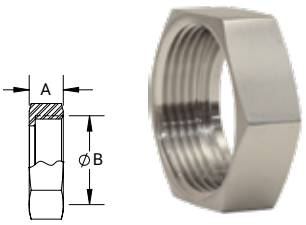
RJT Hex Nut

Material

- 304 stainless steel

Size		Part Numbers	A (mm)	B (mm)
mm	inch			
25.4	1	13H-G100RJT	22.2	42.3 x 8TPI WHIT
38.1	1½	13H-G150RJT	22.2	55.0 x 8TPI WHIT
50.8	2	13H-G200RJT	22.2	67.9 x 6TPI WHIT
63.5	2½	13H-G250RJT	22.2	80.6 x 6TPI WHIT
76.2	3	13H-G300RJT	22.2	93.3 x 6TPI WHIT
101.6	4	13H-G400RJT	22.2	118.7 x 6TPI WHIT

Product Group: AV02



NZ RJT O-rings

Size		Part Numbers		ID (mm)	Width (mm)
mm	inch	FKM	EPDM		
25.4	1	40MP-SFY100RJT-NZ	40MP-E100RJT-NZ-NZ	33.3	12.5
38.1	1½	40MP-SFY150RJT-NZ	40MP-E150RJT-NZ-NZ	46	12.5
50.8	2	40MP-SFY200RJT-NZ	40MP-E200RJT-NZ-NZ	58.7	12.5
63.5	2½	40MP-SFY250RJT-NZ	40MP-E250RJT-NZ-NZ	71.4	12.5
76.2	3	40MP-SFY300RJT-NZ	40MP-E300RJT-NZ-NZ	84.1	12.5
101.6	4	40MP-SFY400RJT-NZ	40MP-E400RJT-NZ-NZ	109.5	12.5
152.4	6	40MP-SFY600RJT-NZ	40MP-E600RJT-NZ-NZ	160.3	13.5

Product Group: AV02

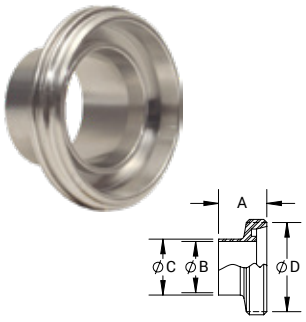


DIN Union Fittings

Application

- DIN Unions (German Institute for Standardisation) are used in conjunction with German and other European equipment. They are manufactured in accordance with DIN 11851 (EN10357). Consisting of a round slotted nut, weld liner, weld male and seal. A captive seal design is used to provide a smooth, crevice-free internal bore. Different elastomer O-rings are available depending on the application. Can be supplied in either imperial or metric DIN.

DIN Weld Male



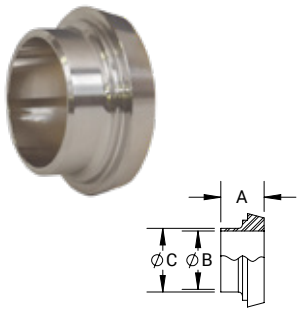
Material

- 316 stainless steel

Size		Part Numbers	A (mm)	B (mm)	C (mm)
mm	inch				
12.7	½	15A-R50DIN	21	9.4	12.7
25.4	1	15A-R100DIN	29	22.1	25.4
38.1	1½	15A-R150DIN	33	34.8	38.1
50.8	2	15A-R200DIN	35	47.5	50.8
63.5	2½	15A-R250DIN	40	60.2	63.5
76.2	3	15A-R300DIN	45	72.9	76.2
101.6	4	15A-R400DIN	54	98.3	101.6

Product Group: AV10

DIN Weld Liner



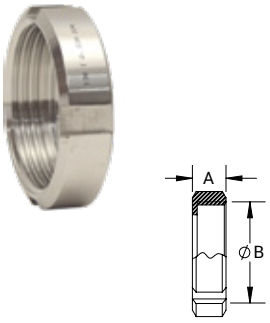
Material

- 316 stainless steel

Size		Part Numbers	A (mm)	B (mm)	C (mm)
mm	inch				
12.7	½	14A-R15DIN	17	12.7	12
25.4	1	14A-R100DIN	22	25.4	28
38.1	1½	14A-R150DIN	26	38.1	40
50.8	2	14A-R200DIN	28	50.8	52
63.5	2½	14A-R250DIN	32	63.5	70
76.2	3	14A-R300DIN	37	76.2	85
101.6	4	14A-R400DIN	44	101.6	104

Product Group: AV10

DIN Round Slotted Nut



Standard

- DN 11851/11887 couplings & gaskets

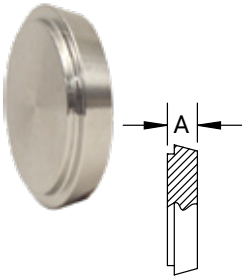
Material

- 304 stainless steel

Size		Part Numbers	B (mm)
mm	inch		
12.7	½	13R-G50DIN	18
25.4	1	13R-G100DIN	21
38.1	1½	13R-G150DIN	21
50.8	2	13R-G200DIN	22
63.5	2½	13R-G250DIN	25
76.2	3	13R-G300DIN	29
101.6	4	13R-G400DIN	31

Product Group: AV10

DIN Blank



Material

- 316 stainless steel

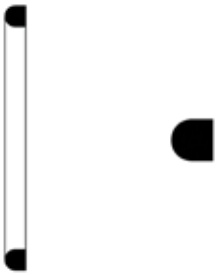
Size		Part Numbers	A (mm)
mm	inch		
25.4	1	16AMP-R100DIN	13
38.1	1½	16AMP-R150DIN	13
50.8	2	16AMP-R200DIN	14
63.5	2½	16AMP-R250DIN	16
76.2	3	16AMP-R300DIN	16
101.6	4	16AMP-R400DIN	20

Product Group: AV10

DIN 11851/11887 Gaskets

Size		Part Numbers	ID (mm)	OD (mm)
mm	inch	EPDM		
25.4	1	40MP-E100DIN	26.92	39.88
38.1	1½	40MP-E150DIN	39.62	52.07
50.8	2	40MP-E200DIN	52.32	64.01
63.5	2½	40MP-E250DIN	65.08	81.03
76.2	3	40MP-E300DIN	77.72	95.00
101.6	4	40MP-E400DIN	103.12	114.05

Product Group: AV10



DIN Spanner

Standard

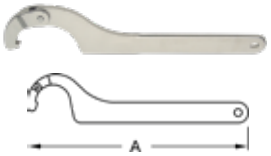
- Single-sided - 25H

Material

- Nickel plated steel

Size		Part Numbers	A (mm)
mm	inch		
25.4 - 38.1	1 - 1½	DIN-SMS-60/90SP	247.7
50.8 - 101.6	2 - 4	DIN-SMS-90/155SP	330.2

Product Group: AV10



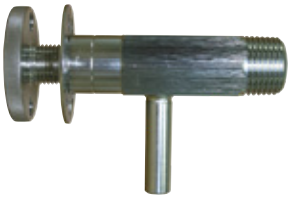
BSP Lockable Sample Tap

Material

- 316 stainless steel

Size		Part Numbers	
mm	inch	Sample Tap	Service Kit
12.7	½	BSVWBS-R50	BSVWBS-RK50

Product Group: AV11





Wine Fittings

Application

- Introducing a new wine fitting design that prioritises hygiene and efficiency. This retrofit design seamlessly integrates with your existing fittings by aligning threads, eliminating the need for costly replacements. Featuring an O-ring for a reliable seal under pressure, it is securely retained and prevents loss without the use of a tool. The internals boasts a hygienic smooth edge design, and fittings from 1.5" to 4" require no extra machining due to a 1.6mm wall thickness. The redesigned tri-nut enhances practicality, making manoeuvring hose assemblies around your winery effortless.

Wine Weld Male



Material

- 316 stainless steel

Size		Part Numbers
mm	inch	
25.4	1	15A-R150WM
38.1	1½	15A-R200WM
50.8	2	15A-R250WM
63.5	2½	15A-R300WM
76.2	3	15A-R400WM
101.6	4	15A-R400WM

Product Group: AV11

Wine Weld Liner



Material

- 316 stainless steel

Size		Part Numbers
mm	inch	
25.4	1	14A-R150WL
38.1	1½	14A-R200WL
50.8	2	14A-R250WL
63.5	2½	14A-R300WL
76.2	3	14A-R400WL
101.6	4	14A-R400WL

Product Group: AV11

Wine Weld Nut



Material

- Brass

Size		Part Numbers
mm	inch	
25.4	1	13W-B150WN
38.1	1½	13W-B200WN
50.8	2	13W-B250WN
63.5	2½	13W-B300WN
76.2	3	13W-B400WN
101.6	4	13W-B400WN

Product Group: AV11

Wine O-ring



Material

- Silicone

Size		Part Numbers
mm	inch	
38.1	1½	40MP-S150R
50.8	2	40MP-S200R
63.5	2½	40MP-S250R
76.2	3	40MP-S300R
101.6	4	40MP-S400R

Product Group: AV11

Clever Clamp™

Application

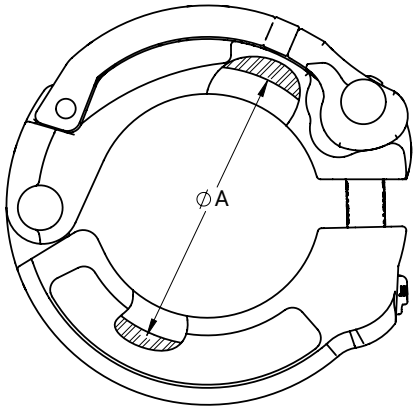
- The Dixon™ Clever Clamp™ offers a new perspective on an age-old design. With its easy-to-use lever closure, it provides fast and consistent compression on both rubber and PTFE gasket connections every time. No torquing, no tools; just clap and go! Can be installed anywhere a traditional tri-clamp is used.

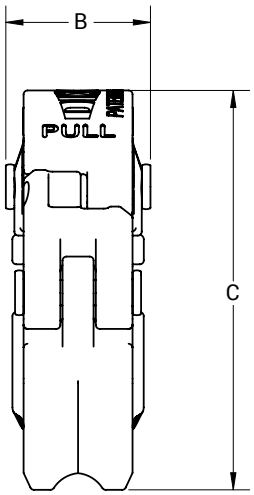
Features

- Consistent compression of the gasket with every use:
  - No concern for damage to the gasket from overcompression or creating internal bacterial traps form over or under compression. ASME BPE capable
- Adjustable for both rubber and PTFE gasket styles
- Fast installation, no torquing tools required
- Threadless design eliminates the risk of damaged threads leading to improper tightening of wingnut
- Lockout-ready design, and aligned holes in the clamp body make cable locking fast and easy
- Self-locking lever and colour-coding options available

Material

- 304 stainless steel





Scan here for the Clever Clamp™ video

Size		Part Numbers		A (inch)	B (inch)	C (inch)
mm	inch	Standard	Self-Locking Lever			
38.1	1½	13SCC-100150	13SCC-100150L	2.14	1.10	3.04
50.8	2	13SCC-200	13SCC-200L	2.65	1.10	3.53
76.2	3	13SCC-300	13SCC-300L	3.72	1.10	4.59
101.6	4	13SCC-400	13SCC-400L	4.82	1.10	5.62

Product Group: AV03



Clever Clamp™ Add-On Features

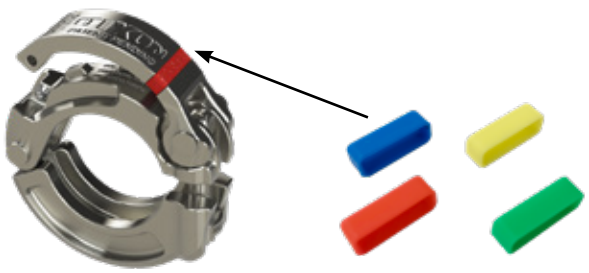
Applications

- Interchangeable coloured food-grade silicone ID bands for customisable process line identification.

Food Grade ID Bands

Colour	Part Numbers
Red	13SCC-CB-R
Green	13SCC-CB-G
Blue	13SCC-CB-B
Yellow	13SCC-CB-Y

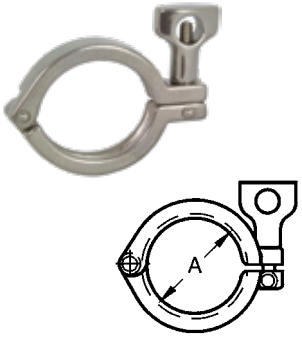
Product Group: AV03



Stainless Steel Sanitary Clamps

Application

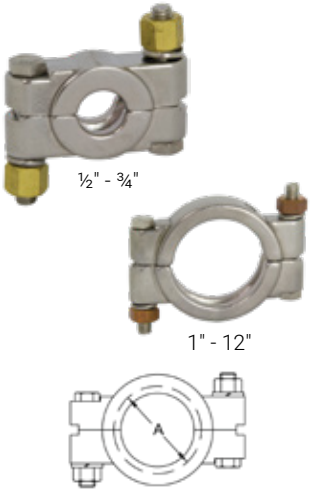
- Due to their hygienic design and simplicity of assembly and disassembly, stainless steel sanitary clamps are frequently used in the brewing and winemaking sectors as well as in the general food and beverage business. These clamps are often constructed from stainless steel, either 304 or 316, making them sturdy and corrosion-resistant. They are made to firmly join two pieces of piping or tubing, preventing leaks and product contamination throughout the transfer process. The clamps' smooth surface is crucial for upholding the hygienic standards necessary for the processing of food and beverages. This makes them simple to clean and sterilise, which is crucial in fields where cleanliness is of utmost importance.



Single Pin Heavy Duty Clamps

Size		Part Numbers	Service Pressure Rating @ 21 (PSI)	Dimension A (mm)
mm	inch			
12.7 - 19.05	½ - ¾	13MHHM50-75	1500	26.98
25.4 - 38.1	1 - 1½	13MHHM100150	500	53.90
50.8	2	13MHHM200	450	67.42
63.5	2½	13MHHM250	400	80.89
76.2	3	13MHHM300	350	94.45
101.6	4	13MHHM400	300	122.43
152.4	6	13MHHM600	150	168.28
203.2	8	13MHHM800	100	220.84

Product Group: AV03

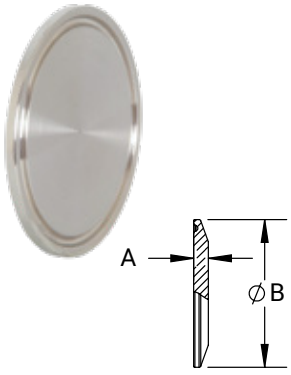


Bolted Clamps

Size		Part Numbers	Service Pressure Rating @ 21°C (PSI)	Service Pressure Rating @ 121 (PSI)	Dimension A (mm)
mm	inch				
12.7 - 19.05	½ - ¾	13MHP75	1500	1200	26.98
25.4 - 38.1	1 - 1½	13MHP100-150	1500	1200	53.90
50.8	2	13MHP200	1000	800	67.42
63.5	2½	13MHP250	1000	800	80.89
76.2	3	13MHP300	1000	800	94.45
101.6	4	13MHP400	800	600	122.43
152.4	6	13MHP600	300	200	168.28
203.2	8	13MHP800	250	150	220.84
254	10	13MHP1000	200	125	272.80
304.8	12	13MHP1200	150	100	323.80

Product Group: AV03

Stainless Steel Sanitary Clamp Solid End Caps



Size		Part Numbers		A (mm)	B (mm)
mm	inch	SS316	SS304		
12.7 - 19.05	½ - ¾	16AMP-R50-75	16AMP-G50-75	6.35	25.15
25.4 - 38.1	1 - 1½	16AMP-R100-150	16AMP-G100-150	6.35	50.29
50.8	2	16AMP-R200	16AMP-G200	6.35	64.00
63.5	2½	16AMP-R250	16AMP-G250	6.35	77.47
76.2	3	16AMP-R300	16AMP-G300	6.35	90.93
101.6	4	16AMP-R400	16AMP-G400	7.87	118.87
152.4	6	16AMP-R600	16AMP-G600	11.17	166.62
203.2	8	16AMP-R800	16AMP-G800	11.17	218.44
254	10	16AMP-R1000	16AMP-G1000	11.17	268.48
304.8	12	16AMP-R1200	16AMP-G1200	11.17	319.28

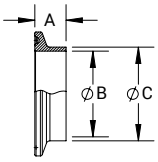
Product Group: AV03

Sanitary Clamp Short Welding Ferrules

Size		Part Numbers		A (mm)	B (mm)	C (mm)
mm	inch	SS316	SS304			
12.7	½	14WMP-R50	14WMP-G50	12.70	9.40	12.70
19.05	¾	14WMP-R75	14WMP-G75	12.70	15.75	19.05
25.4	1	14WMP-R100	14WMP-G100	12.70	22.10	25.40
38.1	1½	14WMP-R150	14WMP-G150	12.70	34.80	38.10
50.8	2	14WMP-R200	14WMP-G200	12.70	47.50	50.80
63.5	2½	14WMP-R250	14WMP-G250	12.70	60.20	63.50
76.2	3	14WMP-R300	14WMP-G300	12.70	72.90	76.20
101.6	4	14WMP-R400	14WMP-G400	15.75	97.28	101.6
152.4	6	14WMP-R600	14WMP-G600	19.05	146.81	152.4
203.2	8	14WMP-R800	14WMP-G800	22.35	197.61	203.2
254	10	14WMP-R1000	14WMP-G1000	22.35	247.90	254.0
304.8	12	14WMP-R1200	14WMP-G1200	22.35	298.70	304.8

Product Group: AV03



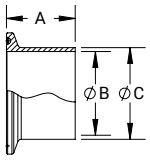


Sanitary Clamp Butt Welding Ferrules

Size		Part Numbers		A (mm)	B (mm)	C (mm)
mm	inch	SS316	SS304			
12.7	½	L14AM7-R50	L14AM7-G50	28.70	9.40	12.70
19.05	¾	L14AM7-R75	L14AM7-G75	28.70	15.75	19.05
25.4	1	L14AM7-R100	L14AM7-G100	28.70	22.10	25.40
38.1	1½	L14AM7-R150	L14AM7-G150	28.70	34.80	38.10
50.8	2	L14AM7-R100	L14AM7-G100	28.70	47.50	50.80
63.5	2½	L14AM7-R200	L14AM7-G200	28.70	60.20	63.50
76.2	3	L14AM7-R250	L14AM7-G250	28.70	72.90	76.20
101.6	4	L14AM7-R400	L14AM7-G400	28.70	97.28	101.6
152.4	6	L14AM7-R600	L14AM7-G600	38.10	146.81	152.4
203.2	8	L14AM7-R800	L14AM7-G800	38.10	197.61	203.2
254	10	L14AM7-R1000	L14AM7-G1000	44.45	247.90	254.0
304.8	12	L14AM7-R1200	L14AM7-G1200	44.45	298.70	304.8

Product Group: AV03



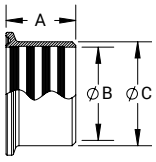


Sanitary Clamp Roll-On Ferrules

Size		Part Numbers		A (mm)	B (mm)	C (mm)
mm	inch	SS316	SS304			
25.4	1	14RMP-R100	14RMP-G100	19.05	25.65	29.46
38.1	1½	14RMP-R150	14RMP-G150	28.70	38.35	42.67
50.8	2	14RMP-R200	14RMP-G200	33.27	51.05	55.63
63.5	2½	14RMP-R250	14RMP-G250	35.05	63.75	68.83
76.2	3	14RMP-R300	14RMP-G300	36.58	76.45	81.79
101.6	4	14RMP-R400	14RMP-G400	38.10	101.85	108.20

Product Group: AV03





Sanitary Gaskets

Application

All elastomeric gaskets require periodic replacement. Gasket life is influenced by the gasket material, product application, temperature, cleaning procedures, etc. After monitoring gasket conditions in a process system, a schedule should be developed for the replacement of gaskets.

Materials

- Nitrile (Buna N)
- Silicone (Peroxide cured)
- EPDM
- FKM
- PTFE



Approvals

- US Pharmacopoeia Class VI Cytotoxicity Criteria
- Title 21CFR177.2600 & .1550
- USDA and 3A Sanitary Standards

Colour Coding - Identification of Gasket Materials

Elastomer	Part Number Identifier	Colour Code	Temperature (celsius)
Buna-N	U	1 Red dot	-32°C to 93°C
White Buna-N	UW	1 Red dot	-32°C to 93°C
EPDM Peroxide Cured	E	3 Green dots	-34°C to 149°C
FKM	SFY	1 White dot & 1 yellow dot	-34°C to 204°C
Silicone Peroxide Cured	XW	1 Pink dot	-40°C to 232°C
Silicone Platinum Cured	XCPL	None	-40°C to 232°C
PTFE	G	None	-73°C to 260°C
Metal Detectable PTFE	GTS	None	-195°C to 288°C
Metal Detectable Buna	UZ	1 Blue dots & 1 red dot	-34°C to 93°C
Metal Detectable EPDM	EZ	2 Blue dots & 3 green dots	-34°C to 149°C
Metal Detectable FKM	SFYZ	2 Blue dots	-34°C to 204°C

Packaging & Storing Information

The shelf life of rubber gaskets is the maximum period from the cure date to the date the product is installed. During the shelf lifetime, the rubber product is expected to retain its characteristics under the following conditions:

- Stored in the original packaging in a clean, dry warehouse
- Not exposed to direct sunlight
- Stored no closer than 6 feet from electric motors
- Temperature between 18°C to 29°C (65°F to 85°F)

A guideline for the shelf life of rubber gaskets manufactured from the following components should have the following shelf life not to exceed:

- Buna - 10 years
- EPDM - 10 years
- FKM - 10 years
- Silicone - 5 years
- PTFE - 20 years
- Buna, EPDM and Silicone Metal Detectable Gaskets - 10 years

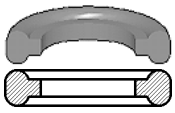
Gaskets for Clamp Style Sanitary Fittings

Specifications

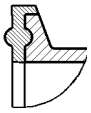
- PSI service ratings for the sanitary clamps don't apply to connections (1" and above) using any PTFE gaskets, due to the potential for cold flow under normal operating conditions. PTFE gaskets, when used with any clamp, are likely to leak at pressures far below the published service ratings. This restriction does not apply to the fractionally sized 1/2" and 3/4" connections, due to their recessed, fully contained design

Approval

- Gasket material approved by 3A, USDA and complies with FDA's 21CFR177.2600 and .1550


Mini


Standard - type 1




Flanged - type 2

Standard Gaskets - ½" & ¾"

Size		Part Numbers					
mm	inch	Buna N	EPDM	FKM	Silicone	PTFE	White Seal
12.7	½	42MP-U50	42MP-E50	42MP-SFY50	42MP-XCPL50	42MP-G50	42MP-EW50
19.05	¾	42MP-U75	42MP-E75	42MP-SFY75	42MP-XCPL75	42MP-G75	42MP-EW75

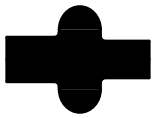
Product Group: AV03


Type 1 - Standard
½" & ¾"

Standard Gaskets - 1" & Larger

Size		Part Numbers					
mm	inch	Buna N	EPDM	FKM	Silicone	PTFE	White Seal
25.4	1	40MP-U100	40MP-E100	40MP-SFY100	40MP-XCPL100	40MP-G100	-
38.1	1½	40MP-U150	40MP-E150	40MP-SFY150	40MP-XCPL150	40MP-G150	-
50.8	2	40MP-U200	40MP-E200	40MP-SFY200	40MP-XCPL200	40MP-G200	40MP-EW200
63.5	2½	40MP-U250	40MP-E250	40MP-SFY250	40MP-XCPL250	40MP-G250	40MP-EW250
76.2	3	40MP-U300	40MP-E300	40MP-SFY300	40MP-XCPL300	40MP-G300	40MP-EW300
101.6	4	40MP-U400	40MP-E400	40MP-SFY400	40MP-XCPL400	40MP-G400	40MP-EW400
152.4	4	40MP-U600	40MP-E600	40MP-SFY600	40MP-XCPL600	40MP-G600	40MP-EW600
203.2	8	40MP-U800	-	-	-	-	-

Product Group: AV03

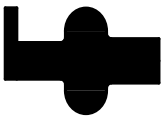

Type 1 - Standard
1" to 12"

Flanged Gaskets - 1" & Larger

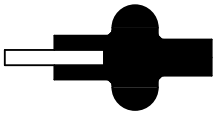
Size		Part Numbers		
mm	inch	EPDM	FKM	Silicone
25.4	1	40MPF-E100	40MPF-SFY100	40MPF-XCPL100
38.1	1½	40MPF-E150	40MPF-SFY150	40MPF-XCPL150
50.8	2	40MPF-E200	40MPF-SFY200	40MPF-XCPL200
63.5	2½	40MPF-E250	40MPF-SFY250	40MPF-XCPL250
76.2	3	40MPF-E300	40MPF-SFY300	40MPF-XCPL300
101.6	4	40MPF-E400	40MPF-SFY400	40MPF-XCPL400
152.4	6	40MPF-E600	40MPF-SFY600	40MPF-XCPL600
203.2	8	40MPF-E800	40MPF-SFY800	40MPF-XCPL800
254	10	40MPF-E1000	40MPF-SFY1000	40MPF-XCPL1000
304.8	12	40MPF-E1200	40MPF-SFY1200	40MPF-XCPL1200

Not recommended for use with bolted clamps

Product Group: AV03


Type 2 - Flanged
1" to 12"

Mesh Screen Gaskets

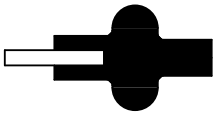


Type 3 - Mesh

Size		Part Numbers		
mm	inch	Buna N	EPDM	FKM
25.4	1	40MPS-U100	40MPS-E100	40MPS-SFY100
38.1	1½	40MPS-U150	40MPS-E150	40MPS-SFY150
50.8	2	40MPS-U200	40MPS-E200	40MPS-SFY200
63.5	2½	40MPS-U250	40MPS-E250	40MPS-SFY250
76.2	3	40MPS-U300	40MPS-E300	40MPS-SFY300
101.6	4	40MPS-U400	40MPS-E400	40MPS-SFY400

Product Group: AV03

Perforated Gaskets - 0.33" Holes

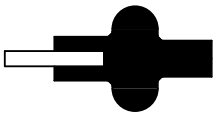


Type 3 - Perforated

Size		Part Numbers
mm	inch	Buna N
25.4	1	40MP-UP100
38.1	1½	40MP-UP150
50.8	2	40MP-UP200
63.5	2½	40MP-UP250
76.2	3	40MP-UP300
101.6	4	40MP-UP400

Product Group: AV03

Orifice Gaskets - .125" Hole

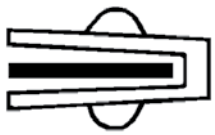


Type 3

Size		Part Numbers	
mm	inch	Buna N	FKM
25.4	1	A80MP-U100	A80MP-SFY100
38.1	1½	A80MP-U150	A80MP-SFY150
50.8	2	A80MP-U200	A80MP-SFY200
63.5	2½	A80MP-U250	A80MP-SFY250
76.2	3	A80MP-U300	A80MP-SFY300
101.6	4	A80MP-U400	A80MP-SFY400

Product Group: AV03

Envelope Gaskets - PTFE



Size		Part Numbers	
mm	inch	EPDM Filler	FKM Filler
12.7	½	42MP-GRE50	42MP-GR50
19.05	¾	42MP-GRE75	42MP-GR75
25.4	1	42MP-GRE100	42MP-GR100
38.1	1½	42MP-GRE150	42MP-GR150
50.8	2	42MP-GRE200	42MP-GR200
63.5	2½	42MP-GRE250	42MP-GR250
76.2	3	42MP-GRE300	42MP-GR300
101.6	4	42MP-GRE400	42MP-GR400
152.4	6	42MP-GRE600	42MP-GR600
203.2	8	42MP-GRE800	42MP-GR800

Product Group: AV03

- PTFE is a material subject to plastic flow when cycled through heat and then cooled down in process lines, PTFE gaskets will not return to the original configuration, and it will continue to compress as the cycling continues. This plastic flow will allow leakage if clamp torques are not maintained

Polished Butt Weld & Clamp Fittings

Application

- Polished butt weld fittings are typically used in welded pipe systems. They are designed to provide a smooth, crevice-free connection between two pieces of stainless steel or other compatible materials.

Material

- Polished 316L stainless steel
- 304 stainless steel

Approval

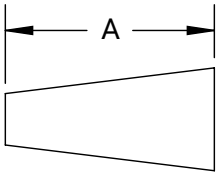
- AS1528.3:2019

Butt Weld Concentric Reducer - AS1528.3

Size		Part Numbers		A (mm)	Nominal Wall (mm)
mm	inch	SS316	SS304		
19.05 x 12.7	¾ x ½	B31W-R7550PA	B31W-G7550PA	19.05	1.6
25.4 x 12.7	1 x ½	B31W-R10050PA	B31W-G10050PA	25.40	1.6 or 2
25.4 x 19.05	1 x ¾	B31W-R10075PA	B31W-G10075PA	25.40	1.6 or 2
38.1 x 12.7	1½ x ½	B31W-R15050PA	B31W-G15050PA	38.10	1.6 or 2
38.1 x 19.05	1½ x ¾	B31W-R15075PA	B31W-G15075PA	38.10	1.6 or 2
38.1 x 25.4	1½ x 1	B31W-R150100PA	B31W-G150100PA	38.10	1.6 or 2
50.8 x 12.7	2 x ½	B31W-R20050PA	-	50.80	1.6 or 2
50.8 x 19.05	2 x ¾	B31W-R20075PA	-	50.80	1.6 or 2
50.8 x 25.4	2 x 1	B31W-R200100PA	B31W-G200100PA	50.80	1.6 or 2
50.8 x 38.1	2 x 1½	B31W-R200150PA	B31W-G200150PA	50.80	1.6 or 2
63.5 x 25.4	2½ x 1	B31W-R250100PA	B31W-G250100PA	63.50	1.6 or 2
63.5 x 38.1	2½ x 1½	B31W-R250150PA	B31W-G250150PA	63.50	1.6 or 2
63.5 x 50.8	2½ x 2	B31W-R250200PA	B31W-G250200PA	63.50	1.6 or 2
76.2 x 25.4	3 x 1	B31W-R300100PA	B31W-G300100PA	76.20	1.6 or 2
76.2 x 38.1	3 x 1½	B31W-R300150PA	B31W-G300150PA	76.20	1.6 or 2
76.2 x 50.8	3 x 2	B31W-R300200PA	B31W-G300200PA	76.20	1.6 or 2
76.2 x 63.5	3 x 2½	B31W-R300250PA	B31W-G300250PA	76.20	1.6 or 2
101.6 x 38.1	4 x 1½	B31W-R400150PA	B31W-G400150PA	101.6	1.6 or 2
101.6 x 50.4	4 x 2	B31W-R400200PA	B31W-G400200PA	101.6	1.6 or 2
101.6 x 63.5	4 x 2½	B31W-R400250PA	B31W-G400250PA	101.6	1.6 or 2
101.6 x 76.2	4 x 3	B31W-R400300PA	B31W-G400300PA	101.6	1.6 or 2
152.4 x 50.8	6 x 2	B31W-R600200PA	B31W-G600200PA	152.4	1.6 or 2
152.4 x 76.2	6 x 3	B31W-R600300PA	B31W-G600300PA	152.4	1.6 or 2
152.4 x 101.6	6 x 4	B31W-R600400PA	B31W-G600400PA	152.4	1.6 or 2
203.2 x 101.6	8 x 4	B31W-R800400PA	B31W-G800400PA	203.2	1.6, 2 or 2.5
203.2 x 152.4	8 x 6	B31W-R800600PA	B31W-G800600PA	203.2	1.6, 2 or 2.5

Product Group: AV08





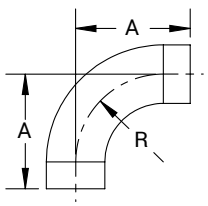
AS 1528.3:2019

90° Butt Weld Elbows with Tangents - AS1528.3

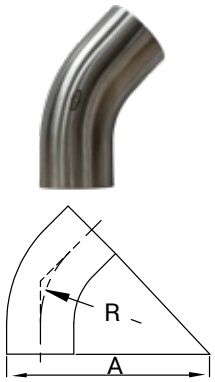
Size		Part Numbers		A (mm)	R (mm)	Nominal Wall (mm)
mm	inch	SS316	SS304			
12.70	½	B2S-R50PA	B2S-G50PA	49.05	19.05	1.6
19.05	¾	B2S-R75PA	B2S-G75PA	58.58	28.58	1.6
25.40	1	B2S-R100PA	B2S-G100PA	68.10	38.10	1.6 or 2
38.10	1½	B2S-R150PA	B2S-G150PA	87.15	57.15	1.6 or 2
50.80	2	B2S-R200PA	B2S-G200PA	106.2	76.20	1.6 or 2
63.50	2½	B2S-R250PA	B2S-G250PA	125.25	95.25	1.6 or 2
76.20	3	B2S-R300PA	B2S-G300PA	144.3	114.3	1.6 or 2
101.6	4	B2S-R400PA	B2S-G400PA	182.4	152.4	1.6 or 2
152.4	6	B2S-R600PA	B2S-G600PA	268.6	228.6	1.6 or 2

Product Group: AV08





AS 1528.3:2019

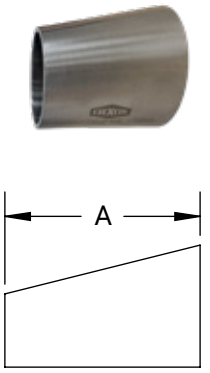


AS 1528.3:2019

45° Butt Weld Elbows with Tangents - AS1528.3

Size		Part Numbers		A (mm)	R (mm)	Nominal Wall (mm)
mm	inch	SS316	SS304			
12.70	½	B2KS-R50PA	B2KS-G50PA	97.90	19.05	1.6
19.05	¾	B2KS-R75PA	B2KS-G75PA	110.6	28.58	1.6
25.40	1	B2KS-R100PA	B2KS-G100PA	123.2	38.10	1.6 or 2
38.10	1½	B2KS-R150PA	B2KS-G150PA	148.7	57.15	1.6 or 2
50.80	2	B2KS-R200PA	B2KS-G200PA	174.1	76.20	1.6 or 2
63.50	2½	B2KS-R250PA	B2KS-G250PA	199.5	95.25	1.6 or 2
76.20	3	B2KS-R300PA	B2KS-G300PA	224.9	114.3	1.6 or 2
101.6	4	B2KS-R400PA	B2KS-G400PA	275.7	152.4	1.6 or 2

Product Group: AV08



AS 1528.3:2019

Polished Eccentric Weld Reducer - AS1528.3

Size		Part Numbers		A (mm)	Nominal Wall (mm)
mm	inch	SS316	SS304		
19.05 x 12.7	¾ x ½	B32W-R7550PA	-	19.05	1.6
25.4 x 12.7	1 x ½	B32W-R10050PA	-	25.40	1.6 or 2
25.4 x 19.05	1 x ¾	B32W-R10075PA	-	25.40	1.6 or 2
38.1 x 12.7	1½ x ½	B32W-R15050PA	-	38.10	1.6 or 2
38.1 x 19.05	1½ x ¾	B32W-R15075PA	-	38.10	1.6 or 2
38.1 x 25.4	1½ x 1	B32W-R150100PA	B32W-G150100PA	38.10	1.6 or 2
50.8 x 12.7	2 x ½	B32W-R20050PA	-	50.80	1.6 or 2
50.8 x 19.05	2 x ¾	B32W-R20075PA	-	50.80	1.6 or 2
50.8 x 25.4	2 x 1	B32W-R200100PA	B32W-G200100PA	50.80	1.6 or 2
50.8 x 38.1	2 x 1½	B32W-R200150PA	B32W-G200150PA	50.80	1.6 or 2
63.5 x 38.1	2½ x 1½	B32W-R250150PA	B32W-G250150PA	63.50	1.6 or 2
63.5 x 50.8	2½ x 2	B32W-R250200PA	B32W-G250200PA	63.50	1.6 or 2
76.2 x 25.4	3 x 1	B32W-R300100PA	B32W-G300100PA	76.20	1.6 or 2
76.2 x 38.1	3 x 1½	B32W-R300150PA	B32W-G300150PA	76.20	1.6 or 2
76.2 x 50.8	3 x 2	B32W-R300200PA	B32W-G300200PA	76.20	1.6 or 2
76.2 x 63.5	3 x 2½	B32W-R300250PA	B32W-G300250PA	76.20	1.6 or 2
101.6 x 38.1	4 x 1½	B32W-R400150PA	B32W-G400150PA	101.6	1.6 or 2
101.6 x 50.4	4 x 2	B32W-R400200PA	B32W-G400200PA	101.6	1.6 or 2
101.6 x 63.5	4 x 2½	B32W-R400250PA	B32W-G400250PA	101.6	1.6 or 2
101.6 x 76.2	4 x 3	B32W-R400300PA	B32W-G400300PA	101.6	1.6 or 2
152.4 x 76.2	6 x 3	B32W-R600300PA	B32W-G600300PA	152.4	1.6 or 2
152.4 x 101.6	6 x 4	B32W-R600400PA	B32W-G600400PA	152.4	1.6 or 2
203.2 x 101.6	8 x 4	B32W-R800400PA	B32W-G800400PA	203.2	1.6, 2 or 2.5
203.2 x 152.4	8 x 6	B32W-R800600PA	B32W-G800600PA	203.2	1.6, 2 or 2.5

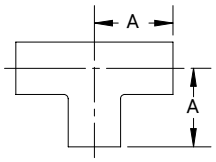
Product Group: AV08

Butt Weld Long Tee - AS1528.3

Size		Part Numbers		A (mm)	Nominal Wall (mm)
mm	inch	SS316	SS304		
12.70	½	B7W-R50PA	B7W-G50PA	19.05	1.6
19.05	¾	B7W-R75PA	B7W-G75PA	28.58	1.6
25.40	1	B7W-R100PA	B7W-G100PA	38.10	1.6 or 2
38.10	1½	B7W-R150PA	B7W-G150PA	57.15	1.6 or 2
50.80	2	B7W-R200PA	B7W-G200PA	76.20	1.6 or 2
63.50	2½	B7W-R250PA	B7W-G250PA	95.25	1.6 or 2
76.20	3	B7W-R300PA	B7W-G300PA	114.3	1.6 or 2
101.6	4	B7W-R400PA	B7W-G400PA	152.4	1.6 or 2
152.4	6	B7W-R600PA	B7W-G600PA	228.6	1.6 or 2

Product Group: AV08





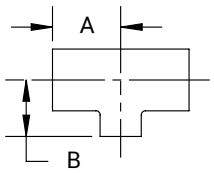
AS 1528.3:2019

Butt Weld Reducing Tee - AS1528.3

Size		Part Numbers		A (mm)	Nominal Wall (mm)
mm	inch	SS316	SS304		
19.05 x 12.7	¾ x ½	B7RWWW-R7550PA	-	19.05	1.6
25.4 x 12.7	1 x ½	B7RWWW-R10050PA	-	28.58	1.6 or 2
25.4 x 19.05	1 x ¾	B7RWWW-R10075PA	-	28.58	1.6 or 2
38.1 x 12.7	1½ x ½	B7RWWW-R15050PA	-	47.63	1.6 or 2
38.1 x 19.05	1½ x ¾	B7RWWW-R15075PA	-	47.63	1.6 or 2
38.1 x 25.4	1½ x 1	B7RWWW-R150100PA	B7RWWW-G150100PA	47.63	1.6 or 2
50.8 x 25.4	2 x 1	B7RWWW-R200100PA	B7RWWW-G200100PA	57.15	1.6 or 2
50.8 x 38.1	2 x 1½	B7RWWW-R200150PA	B7RWWW-G200150PA	57.15	1.6 or 2
63.5 x 38.1	2½ x 1½	B7RWWW-R250150PA	B7RWWW-G250150PA	76.20	1.6 or 2
63.5 x 50.8	2½ x 2	B7RWWW-R250200PA	B7RWWW-G250200PA	76.20	1.6 or 2
76.2 x 38.1	3 x 1½	B7RWWW-R300150PA	B7RWWW-G300150PA	95.25	1.6 or 2
76.2 x 50.8	3 x 2	B7RWWW-R300200PA	B7RWWW-G300200PA	95.25	1.6 or 2
76.2 x 63.5	3 x 2½	B7RWWW-R300250PA	B7RWWW-G300250PA	92.25	1.6 or 2
101.6 x 38.1	4 x 1½	B7RWWW-R400150PA	B7RWWW-G400150PA	114.3	1.6 or 2
101.6 x 50.4	4 x 2	B7RWWW-R400200PA	B7RWWW-G400200PA	114.3	1.6 or 2
101.6 x 63.5	4 x 2½	B7RWWW-R400250PA	B7RWWW-G400250PA	114.3	1.6 or 2
101.6 x 76.2	4 x 3	B7RWWW-R400300PA	B7RWWW-G400300PA	114.3	1.6 or 2
152.4 x 50.4	6 x 2	B7RWWW-R600200PA	B7RWWW-G600200PA	190.5	1.6 or 2
152.4 x 76.2	6 x 3	B7RWWW-R600300PA	B7RWWW-G600300PA	190.5	1.6 or 2
152.4 x 101.6	6 x 4	B7RWWW-R600400PA	B7RWWW-G600400PA	190.5	1.6 or 2

Product Group: AV08





AS 1528.3:2019

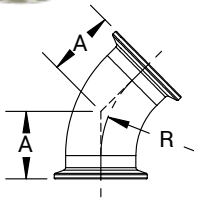
45° Clamp Elbows

Size		Part Numbers		A (mm)	R (mm)
mm	inch	SS316	SS304		
12.7	½	B2KMP-R50	-	24.6	28.7
19.05	¾	B2KMP-R75	-	24.6	28.7
25.4	1	B2KMP-R100	B2KMP-G100	24.4	38.1
38.1	1½	B2KMP-R150	B2KMP-G150	36.5	57.1
50.8	2	B2KMP-R200	B2KMP-G200	44.4	76.2
63.5	2½	B2KMP-R250	B2KMP-G250	52.3	95.2
76.2	3	B2KMP-R300	B2KMP-G300	60.2	114.3
101.6	4	B2KMP-R400	B2KMP-G400	79.5	152.4
152.4	6	B2KMP-R600	B2KMP-G600	117.6	228.6

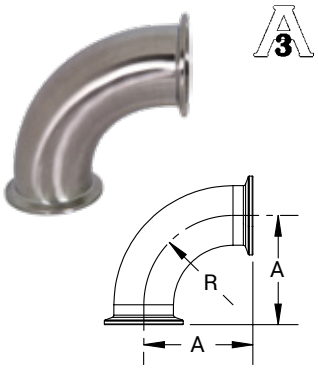
Product Group: AV08







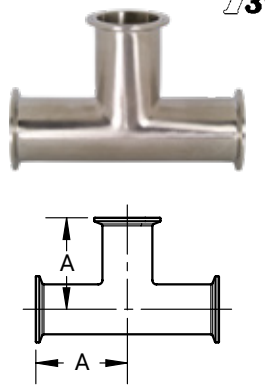
90° Clamp Elbows



Size		Part Numbers		A (mm)	R (mm)
mm	inch	SS316	SS304		
12.7	½	B2CMP-R50	-	41.4	28.7
19.05	¾	B2CMP-R75	-	41.4	28.7
25.4	1	B2CMP-R100	B2CMP-G100	50.4	38.1
38.1	1½	B2CMP-R150	B2CMP-G150	69.8	57.1
50.8	2	B2CMP-R200	B2CMP-G200	88.9	76.2
63.5	2½	B2CMP-R250	B2CMP-G250	107.9	95.25
76.2	3	B2CMP-R300	B2CMP-G300	127.0	114.3
101.6	4	B2CMP-R400	B2CMP-G400	168.4	152.4
152.4	6	B2CMP-R600	B2CMP-G600	250.9	228.6

Product Group: AV08

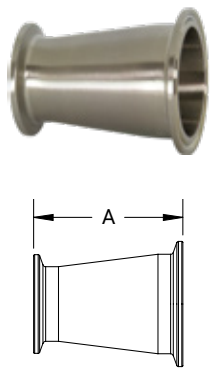
Clamp Tees



Size		Part Numbers		A (mm)
mm	inch	SS316	SS304	
12.7	½	B7MP-R50	-	60.45
19.05	¾	B7MP-R75	-	63.50
25.4	1	B7MP-R100	B7MP-G100	60.45
38.1	1½	B7MP-R150	B7MP-G150	69.85
50.8	2	B7MP-R200	B7MP-G200	88.90
63.5	2½	B7MP-R250	B7MP-G250	88.90
76.2	3	B7MP-R300	B7MP-G300	95.25
101.6	4	B7MP-R400	B7MP-G400	114.3
152.4	6	B7MP-R600	B7MP-G600	165.1

Product Group: AV08

Clamp Concentric Reducers



Size		Part Numbers		A (mm)
mm	inch	SS316	SS304	
19.05 x 12.7	¾ x ½	B3114MP-R7550	-	50.8
25.4 x 12.7	1 x ½	B3114MP-R10050	-	76.2
25.4 x 19.05	1 x ¾	B3114MP-R10075	-	50.8
38.1 x 12.7	1½ x ½	B3114MP-R15050	-	127.0
38.1 x 19.05	1½ x ¾	B3114MP-R15075	-	101.6
38.1 x 25.4	1½ x 1	B3114MP-R150100	B3114MP-G150100	76.2
50.8 x 12.7	2 x ½	B3114MP-R20050	-	177.8
50.8 x 19.05	2 x ¾	B3114MP-R20075	-	152.4
50.8 x 25.4	2 x 1	B3114MP-R200100	B3114MP-G200100	127.0
50.8 x 38.1	2 x 1½	B3114MP-R200150	B3114MP-G200150	76.2
63.5 x 38.1	2½ x 1½	B3114MP-R250150	B3114MP-G250150	127.0
63.5 x 50.8	2½ x 2	B3114MP-R250200	B3114MP-G250200	76.2
76.2 x 25.4	3 x 1	B3114MP-R300100	B3114MP-G300100	228.6
76.2 x 38.1	3 x 1½	B3114MP-R300150	B3114MP-G300150	177.8
76.2 x 50.8	3 x 2	B3114MP-R300200	B3114MP-G300200	127.0
76.2 x 63.5	3 x 2½	B3114MP-R300250	B3114MP-G300250	76.2
101.6 x 38.1	4 x 1½	B3114MP-R400150	B3114MP-G400150	282.7
101.6 x 50.4	4 x 2	B3114MP-R400200	B3114MP-G400200	231.9
101.6 x 63.5	4 x 2½	B3114MP-R400250	B3114MP-G400250	181.1
101.6 x 76.2	4 x 3	B3114MP-R400300	B3114MP-G400300	130.3
152.4 x 50.8	6 x 2	B3114MP-R600200	B3114MP-G600200	174.7
152.4 x 76.2	6 x 3	B3114MP-R600300	B3114MP-G600300	174.7
152.4 x 101.6	6 x 4	B3114MP-R600400	B3114MP-G600400	177.8
203.2 x 101.6	8 x 4	B3114MP-R800400	B3114MP-G800400	190.5
203.2 x 152.4	8 x 6	B3114MP-R800600	B3114MP-G800600	196.8

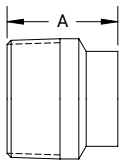
Product Group: AV08

BSP Tube Adaptors - Stainless Steel

Size		Part Numbers	A (mm)	Nominal Wall (mm)
mm	inch			
12.7	½	B19WB-R50A	41.4	1.6
19.05	¾	B19WB-R75A	41.4	1.6
25.4	1	B19WB-R100A	44.4	1.6
38.1	1½	B19WB-R150A	44.4	1.6
50.8	2	B19WB-R200A	45.9	1.6
63.5	2½	B19WB-R250A	58.6	1.6
76.2	3	B19WB-R300A	63.5	1.6
101.6	4	B19WB-R400A	65.0	2.1

Product Group: AV08





Sight Glass - Stainless Steel

Size		Part Numbers		Working Pressure (PSI)
mm	inch	Weld - EPDM	Clamp - Buna N	
25.4	1	B54EBB-R100	B54BMP-R100	145
38.1	1½	B54EBB-R150	B54BMP-R150	145
50.8	2	B54EBB-R200	B54BMP-R200	145
63.5	2½	B54EBB-R250	B54BMP-R250	120
76.2	3	B54EBB-R300	B54BMP-R300	120
101.6	4	B54EBB-R400	B54BMP-R400	95
152.4	6	B54EBB-R600	B54BMP-R600	80

Product Group: AV09



Weld



Clamp

Replacement Glass - Borosilicate

Size		Part Numbers
mm	inch	
25.4	1	B54G-P100
38.1	1½	B54G-P150
50.8	2	B54G-P200
63.5	2½	B54G-P250
76.2	3	B54G-P300
101.6	4	B54G-P400

Product Group: AV09



Sight Glass Lens Dimensions

Size		OD (+/- 1/5mm)	ID (+/- 1.5mm)	Length (+/- 1.5mm)
mm	inch			
25.4	1	31	22	63.5
38.1	1 1/2	44	35	63.5
50.8	2	58	48	63.5
63.5	2 1/2	71	59	71
76.2	3	88	72	100
101.6	4	116	97	100

Compact Sight Glasses

Application

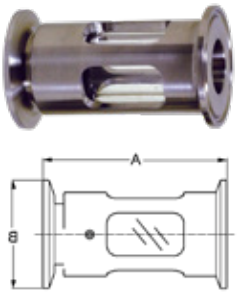
- Used widely in the food, dairy and beverage sanitary processes to view products and fluids. This design is perfect for hoses.

Features

- Easier to clean than bolted styles
- Less cost to repair than bolted syles
- Clamp connections standard
- Sizes available: 25mm (1"), 38mm (1 ½), 50mm (2"), 80mm (3")
- Maximum Temperature: 95°C
- Maximum Pressure: 6.9 bar

Material

- Body: 316L stainless steel
- Sight Glass: borosilicate glass
- Gasket: Nitrile buna rubber



Size		Part Numbers	A (mm)	B (mm)
mm	inch			
25.4	1	B54BMPS-R100	85.73	50.30
38.1	1½	B54BMPS-R150	92.46	50.30
50.8	2	B54BMPS-R200	97.28	64.00
76.2	3	B54BMPS-R300	104.90	96.52
101.6	4	B54BMPS-R400	110.24	118.87

Product Group: AV09

Kits and Replacement Parts



Size		Part Numbers	
mm	inch	Seal Kit	Replacement Glass
25.4	1	B54BMPS-SK100	B54BMPS-GL100
38.1	1½	B54BMPS-SK150	B54BMPS-GL150
50.8	2	B54BMPS-SK200	B54BMPS-GL200
76.2	3	B54BMPS-SK300	B54BMPS-GL300
101.6	4	B54BMPS-SK400	B54BMPS-GL400

Product Group: AV09

Clamp Spray Ball - Rotating

Specifications

- Ideal for cleaning all types of tanks and vessels

Features

- Stainless steel ball bearings eliminate rust
- Cleaning solution lubricates unit
- Mirror-like finish (OD)
- Spray pattern 360°

Material

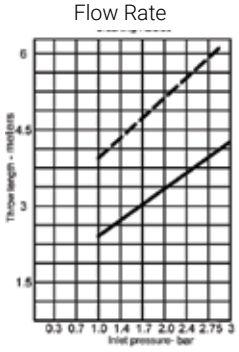
- Body: 316L stainless steel



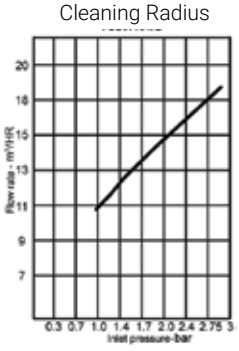
Size		Part Number	A (mm)	B (mm)	C (mm)
mm	inch				
38.1	1½	SRH360CMP-R150	138.9	52.5	38.1

Product Group: AV13

Flow Rate



Cleaning Radius



Spray Balls

Specifications

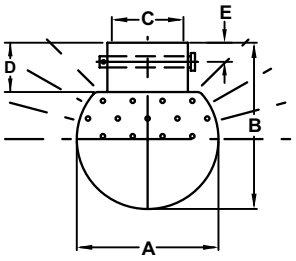
- Typical use is in food and beverage industries for cleaning storage tanks

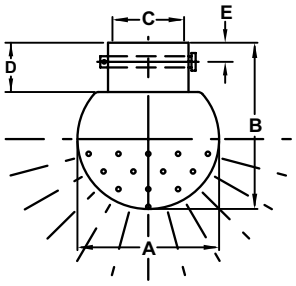
Features

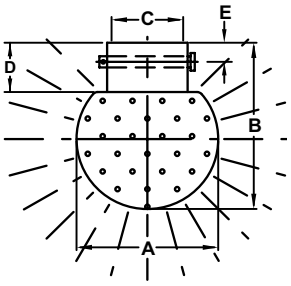
- Heavy stainless steel construction provides longer life
- Various spray patterns available
- Stationary, designed to be mounted to a tube or pipe
- 2mm spray holes

Material

- Body: 316L stainless steel





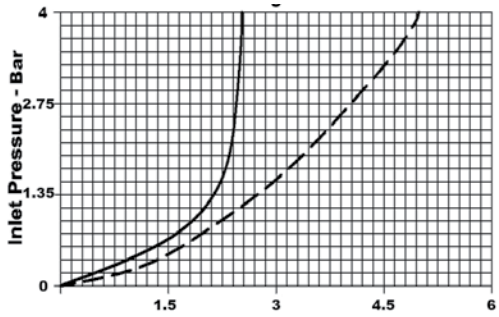




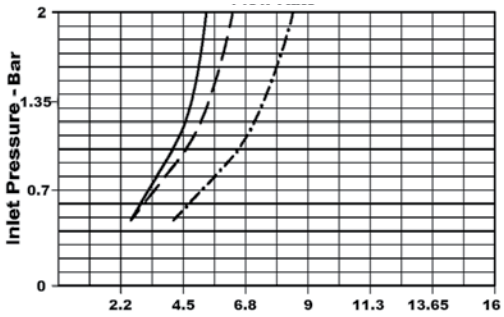
Size		Part Numbers	Pin Length	Spray Pattern	Dimensions					Pin Size
mm	inch				A	B	C	D	E	
25.4	1	STC-360-R100	1.47	360°	90	75	25	25	11	5.7
38.1	1½	STC-360-R150	1.95	360°	90	75	38	25	11	5.7
25.4	1	STC-360-R100	1.47	180° Bottom	90	75	25	25	11	5.7
38.1	1½	STC-360-R150	1.95	180° Bottom	90	75	38	25	11	5.7
25.4	1	STC-360-R100	1.47	180° Top	90	75	25	25	11	5.7
38.1	1½	STC-360-R150	1.95	180° Top	90	75	38	25	11	5.7

Product Group: AV09

Cleaning Radius



Flow Rate



Butt Weld Tube End Adaptors and Couplers

Material

- Body: 316 stainless steel

Size		Part Numbers	
mm	inch	Adaptors	Boss-Lock™ Couplers
25.4	1	RE100BT	RC100BT
38.1	1½	RE150BT	RC150BT
50.8	2	RE200BT	RC200BT
76.2	3	RE300BT	RC300BT

Designed to be butt welded to standard sanitary tubing

Product Group: AL10



Adaptor



Coupler

SJSS Swivel Series

Application

- A range of combination swivel joints are available to assist with moving hoses through process lines and keeping hoses away from machinery and forklifts. All joints meet food and beverage industry certification standards.

Features

- Longer inner body for easier repair kit insertion
- Large chamber for a rapid, smooth assembly

Material

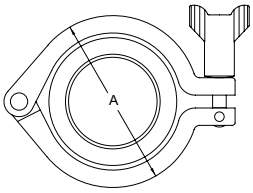
- Product Contact Components: 316L stainless steel
- Non-Product Contact Components: 304 stainless steel
- Gaskets: PTFE and silicone available

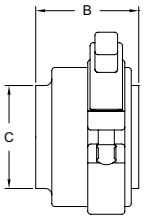
Approval

- 3A certified









Tube OD Size		Part Numbers	Dimensions			PSI at 21°C	PSI at 121°C	Torque (in lbs)
mm	inch		A	B	C			
25.4	1	SJSS100EBB120	65	50.8	25.4	500	300	300
38.1	1½	SJSS150EBB120	65	50.8	38.1	500	300	300
50.8	2	SJSS200EBB120	78.49	50.8	50.8	450	250	250
63.5	2½	SJSS250EBB120	87.34	50.8	63.5	400	200	200
76.2	3	SJSS300EBB120	100.08	50.8	76.2	350	175	175
101.6	4	SJSS400EBB120	129.03	74.68	101.6	300	150	150

Product Group: AV13

Sanitary Breakaway Couplings

Application

- Minimises spillage and damage associated with pull-away and drive-away incidents. Coupling breaks away with an excessive load.

Features

- Designed to be installed between a fixed point and a hose
- 24kN break load bolts standard, other break loads available

Material

- Coupling: 316 stainless steel polished to standard <0.8Ra µm, 3A finish
- Clamp Gasket: white EPDM standard, optional material available



Size		Part Numbers
mm	inch	
50.8	2	SBC-200BBE-13
63.5	2½	SBC-250BBE-13
76.2	3	SBC-300BBE-13
101.6	4	SBC-400BBE-13

Product Group: AV02

Holedall™ BSM (RJT) External Crimp Stem

Standards
- RJT (BSM) AS 1528.2 - 2001: screwed couplings

Material
- 316 stainless steel

Size		Part Numbers	
mm	inch	Female	Male
25.4	1	HA0224	HA0219
38.1	1½	HA0225	HA0220
50.8	2	HA0226	HA0221
63.5	2½	HA0227	HA0222
76.2	3	HA0228	HA0223
101.6	4	HA0294	HA0293

All stems are manufactured to suit inch bore hoses (not metric hose bores)

Product Group: AV07



Female



Male

Holedall™ SMS External Crimp Stem

Material
- 316 stainless steel

Size		Part Numbers	
mm	inch	Female	Male
25.4	1	HA0616	HA0622
38.1	1½	HA0617	HA0623
50.8	2	HA0618	HA0624
63.5	2½	HA0619	HA0625
76.2	3	HA0620	HA0626
101.6	4	HA0621	HA0627

All stems are manufactured to suit inch bore hoses (not metric hose bores)

Product Group: AV07



Female



Male

Holedall™ Clamp Type/External Crimp Stem

Material
- 316 stainless steel

Size		Part Numbers
mm	inch	Male
25.4	1	HA0640
38.1	1½	HA0641
50.8	2	HA0642
63.5	2½	HA0643
76.2	3	HA0644
101.6	4	HA0645

All stems are manufactured to suit inch bore hoses (not metric hose bores)

Product Group: AV07



Holedall™ DIN External Crimp Stem



Female



Male

Material

- 316 stainless steel

Standards

- DIN 11851/11887 couplings and gaskets

Size DN		Part Numbers	
mm	inch	Female	Male
25.4	1	HA0239	HA0234
38.1	1½	HA0240	HA0235
50.8	2	HA0241	HA0236
63.5	2½	HA0242	HA0237
76.2	3	HA0243	HA0238
101.6	4	HA0298	HA0297

All stems are manufactured to suit inch bore hoses (not metric bore hoses)

Product Group: AV07

Holedall™ External Crimp Ferrules



Material

- 304 stainless steel

Size		Part Numbers	Hose OD (mm)	
mm	inch		from	to
25.4	1	HA0249-41-3	33.0	35.0
25.4	1	HA0249-43-3	35.7	36.5
25.4	1	HA0249-45-3	36.9	37.7
25.4	1	HA0249-46-3	38.1	38.9
25.4	1	HA0249-47-3	39.3	40.1
25.4	1	HA0249-48-3	40.5	41.3
38.1	1½	HA0250-56-3	48.4	49.6
38.1	1½	HA0250-58-3	50.0	51.2
38.1	1½	HA0250-59-3	51.6	52.8
38.1	1½	HA0250-61-3	53.2	54.4
38.1	1½	HA0250-63-3	56.4	57.6
50.8	2	HA0251-70-3	62.7	63.9
50.8	2	HA0251-72-3	64.3	65.5
50.8	2	HA0251-74-3	65.9	67.1
50.8	2	HA0251-75-3	67.4	68.7
50.8	2	HA0251-76-3	71.4	73.6
63.5	2½	HA0252-84-3	76.1	78.1
63.5	2½	HA0252-86-3	78.1	80.1
63.5	2½	HA0252-89-3	81.1	83.1
76.2	3	HA0253-96-3	88.0	91.0
76.2	3	HA0253-98-3	91.7	92.9
76.2	3	HA0253-100-3	92.1	93.3
76.2	3	HA0253-101-3	93.6	94.9
76.2	3	HA0253-103-3	95.2	96.5
76.2	3	HA0253-105-3	96.8	98.0
76.2	3	HA0253-106-3	98.4	99.6
76.2	3	HA0253-107-3	100.4	101.6
101.6	4	HA0301-129-3	117.5	118.7
101.6	4	HA0301-130-3	119.0	120.3
101.6	4	HA0301-132-3	120.6	121.9
101.6	4	HA0301-133-3	122.2	123.5
101.6	4	HA0301-135-3	123.8	125.0
101.6	4	HA0301-136-3	128.9	130.18

Product Group: AV07

Wine Female Crimp Stem

Material

- 316 stainless steel

Size		Part Numbers
mm	inch	
50.8	2	HA0850
76.2	3	HA0851
101.6	4	HA0297



Product Group: AV07

Butt Weld Tube Crimp Stem

Material

- 316 stainless steel

Size		Part Numbers
mm	inch	
25.4	1	HA0833
38.1	1½	HA0835
50.8	2	HA0837
63.5	2½	HA0839
76.2	3	HA0841
101.6	4	HA0843



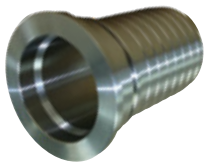
Product Group: AV07

BSM CIP Crimp Stem

Material

- 316 stainless steel

Size		Part Numbers
mm	inch	
25.4	1	HA0224-CIP
38.1	1½	HA0225-CIP
50.8	2	HA0226-CIP
63.5	2½	HA0227-CIP
76.2	3	HA0228-CIP
101.6	4	HA0229-CIP



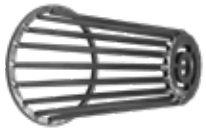
Product Group: AV07

Inline Hose Strainer

Material

- 316 stainless steel

Size		Part Number
mm	inch	
76.2	3	HS-R300



Product Group: AV07

NZ RJT Crimp Stem

Material

- 316 stainless steel

Size		Part Numbers
mm	inch	
38.1	1½	HA0225-NZ
50.8	2	HA0226-NZ
63.5	2½	HA0227-NZ
76.2	3	HA0228-NZ
101.6	4	HA0294-NZ



Product Group: AV07

Dixon™ Sanitary King Crimp™ Stems

Application

- Our Sanitary King Crimp™ Stems are meticulously designed for seamless use in food and beverage applications. The internal smooth bore ensures a hygienic environment, promoting the highest standards of cleanliness. These stems are lightweight yet robust, making them an excellent choice for various applications. Not only can they be used with Dixon's King Crimp™ ferrules, but they also integrate effortlessly with both PVC and rubber hoses.

Material

- 316 stainless steel



Clamp End x Hose Tail

Size		Part Numbers
mm	inch	
25.4	1	CSSR100CS
38.1	1½	CSSR150CS
50.8	2	CSSR200CS
76.2	3	CSSR300CS
101.6	4	CSSR400CS

Product Group: AV07



RJT x Hose Tail

Size		Part Numbers
mm	inch	
25.4	1	HA0224-KC
38.1	1½	HA0225-KC
50.8	2	HA0226-KC
63.5	2½	HA0227-KC
76.2	3	HA0228-KC
101.6	4	HA0294-KC

Product Group: AV07



NZ RJT x Hose Tail

Size		Part Numbers
mm	inch	
38.1	1½	HA0225-NZKC
50.8	2	HA0226-NZKC
63.5	2½	HA0227-NZKC
76.2	3	HA0228-NZKC
101.6	4	HA0294-NZKC

Product Group: AV07



CIP Flat Face x Hose Tail

Size		Part Numbers
mm	inch	
25.4	1	HA0224-CIPKC
38.1	1½	HA0225-CIPKC
50.8	2	HA0226-CIPKC
63.5	2½	HA0227-CIPKC
76.2	3	HA0228-CIPKC
101.6	4	HA0294-CIPKC

All Dixon™ Sanitary King Crimp™ stems are used with King Crimp™ light weight ferrules and can also be used with standard ferrules & sleeves

Product Group: AV07

Wine x Hose Tail

Size		Part Numbers
mm	inch	
50.8	2	HA0850-KC
76.2	3	HA0851-KC
101.6	4	HA0852-KC

Product Group: AV07



Weld End x Hose Tail

Size		Part Numbers
mm	inch	
25.4	1	HA0833-KC
38.1	1½	HA0835-KC
50.8	2	HA0837-KC
63.5	2½	HA0839-KC
76.2	3	HA0841-KC
101.6	4	HA0843-KC

Product Group: AV07



DIN 11851 x Hose Tail

Size		Part Numbers
mm	inch	
25.4	1	HA0239-KC
38.1	1½	HA0240-KC
50.8	2	HA0241-KC
63.5	2½	HA0242-KC
76.2	3	HA0243-KC
101.6	4	HA0234-KC

All Dixon™ Sanitary King Crimp™ stems are used with King Crimp™ light weight ferrules and can also be used with standard ferrules & sleeves

Product Group: AV07



Light Weight External King Crimp™ Ferrules

Material

- 304 stainless steel

Size		Part Numbers	Hose OD (mm)	
mm	inch		from	to
25.4	1	CF100-038SS	35.0	37.5
25.4	1	CF100-043SS	38.0	42.5
38.1	1½	CF150-052SS	48.0	51.5
38.1	1½	CF150-056SS	52.0	55.5
50.8	2	CF200-064SS	61.0	63.5
50.8	2	CF200-069SS	64.0	68.5
63.5	2½	CF250-078SS	73.0	77.5
63.5	2½	CF250-081SS	78.0	80.5
76.2	3	CF300-091SS	86.0	90.5
76.2	3	CF300-096SS	91.0	95.5
101.6	4	CF400-119SS	114.0	118.5
101.6	4	CF400-124SS	119.0	123.5

Product Group: AV07



14-SHB-Series Sanitary Hose Bumper

Dixon's 14-SHB-series hose bumper is an innovative departure from traditional rubber bumpers. It prevents forced detachment from the crimp stem even when dragged or dropped on the ground. The open design ensures easy access to clean all surfaces of the fitting while completely protecting the hose ferrule. Experience the convenience and assurance of this hose bumper — slide with ease, secure with confidence.

Application

- Constructed of durable polypropylene, this sanitary hose bumper meets the FDA CFR 21 standard for use in the food, beverage, dairy, winery and brewery, cosmetic, and pharmaceutical markets.

Sizes

- 1", 1-1/2", 2", 3"

Features

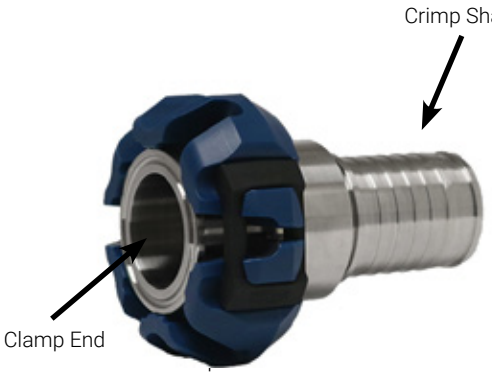
- No special tools or fasteners needed for installation
- Patent-pending two-position design provides complete protection to sanitary tri-clamp ferrule
- Cannot be forced off crimp stem like most traditional rubber bumpers when dragged on the ground
- The open design maintains clearance between the crimp stem and the bumper allowing for access to clean and drain all surfaces of the stainless steel fitting
- One bumper size works with any hose diameter within a given tri-clamp ferrule size
- The bumper and sanitary crimp stem were designed together as a system to ensure optimal performance
- Polypropylene bumper contains Sanafor PO-5 antimicrobial additive

Specifications

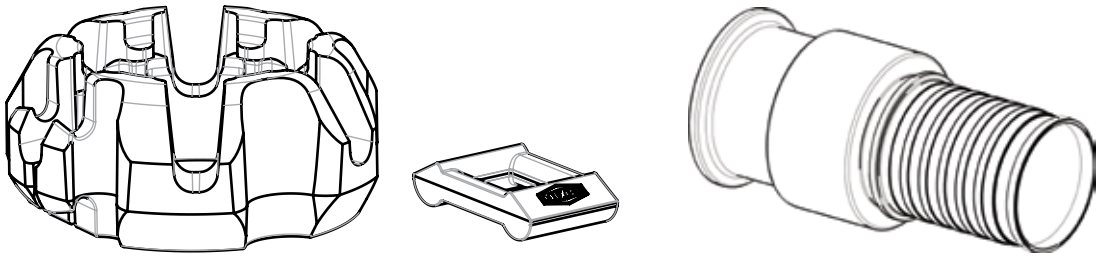
- Materials of construction
  - Bumper: Polypropylene with an antimicrobial additive (FDA approved)
  - Latch: EPDM (FDA approved)
  - Crimp stem: AISI 316L



Bumper Position - Retracted



14BA-Series Hose Bumper System



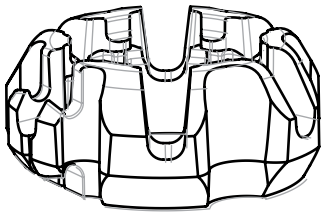
Size	Stem Material (Finish)	Stem Process Connection	Stem Shank Type	Bumper Color	Bumper Material	Bumper System Part #	Item(s) Included
1"	316L (32 Ra)	Clamp	3A 62-02 Conforming shank	Blue (standard)	Polypropylene (standard)	14BA-R10CX	(1) Hose bumper (1) Latch (1) Crimp stem
1-1/2"						14BA-R15CX	
2"						14BA-R20CX	
3"						14BA-R30CX	

NOTE: This bumper system is to be used with a crimp ferrule (not included). See chart on next page

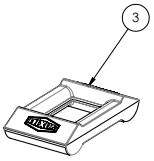
Product Group: AV07

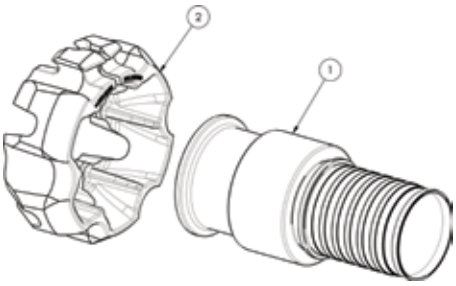
14-SHB-Series Hose Bumper - Part Number Key

14-SHB-Series Hose Bumper Part Number Key		Series	Size	Bumper Color	Bumper Material
		14-SHB	100150		
Series	**Code**				
14-SHB	14-SHB				
Size	**Code**				
1" - 1-1/2"	100150				
2"	200				
3"	300				
Bumper Color	**Code**				
Blue (standard)	blank				
Bumper Material	**Code**				
Polypropylene (standard)	blank				



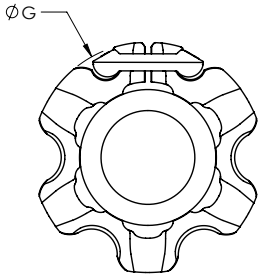
14-SHB-Series Hose Bumper System - Bill of Materials

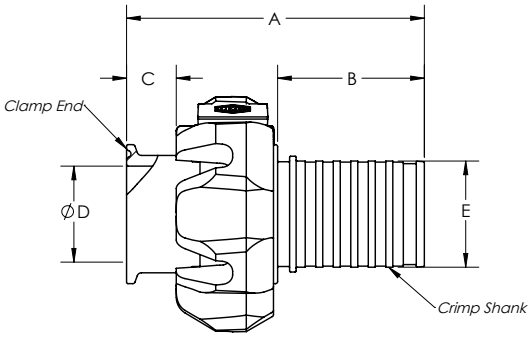




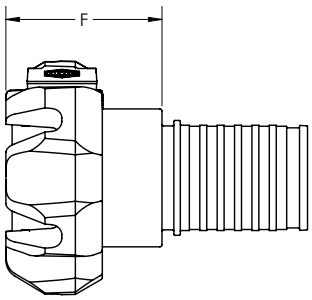
Item #	Part Number			
	1"	1-1/2"	2"	3"
1	14-SCS-R100	14-SCS-R150	14-SCSR200	14-SCS-R300
2	14-SHB-100150		14-SHB-200	14-SHB-300
3	14-SHB-L			

14-SHB-Series Hose Bumper - Dimensions





Bumper Position - Retracted



Bumper Position - Extended

Size	Dimensions						
	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)
1"	93.47	38.61	19.05	22.10	25.91	57.15	85.60
1-1/2"	107.95	53.09		34.80	25.91		
2"	120.65	66.04		47.50	51.31		96.52
3"	131.06	76.20		72.90	76.71		122.68

Hygienic Fittings - Crimp Specifications

Holedall™ Crimp Specifications

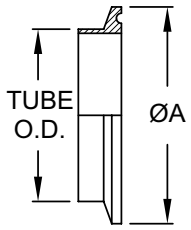
Hose Size		Stem Part Number	Description	Ferrule Part Number	Hose OD (mm)	Crimp Diameter (mm)
mm	inch					
25.4	1	HA0224 HA0219 HA0616 HA0622 HA0640 HA0224-CIP HA0224-NZ HA0333 HA0239 HA0234	BSM Female BSM Male SMS Female SMS Male SS Sanitary Clamp BSM CIP RJT NZ Tube Weld DIN Female DIN Male	HA0249-41-3	33.0	n/a[1]
					35.0	n/a[1]
				HA0249-43-3	35.7	39.8
					36.1	40.1
					36.5	40.4
				HA0249-45-3	36.9	40.7
					37.3	41.0
					37.7	41.3
				HA0249-46-3	38.1	41.6
					38.5	41.9
					38.9	42.2
				HA0249-47-3	39.3	42.5
					39.7	42.8
					40.1	43.1
				HA0249-48-3	40.5	43.4
					40.9	43.7
					41.3	44.0
38.1	1½	HA0225 HA0220 HA0617 HA0623 HA0641 HA0225-CIP HA0225-NZ HA0335 HA0240 HA0235	BSM Female BSM Male SMS Female SMS Male SS Sanitary Clamp BSM CIP RJT NZ Tube Weld DIN Female DIN Male	HA0250-56-3	48.4	52.4
					48.8	52.7
					49.2	53.0
					49.6	53.3
				HA0250-58-3	50.0	53.6
					50.4	53.9
					50.8	54.2
					51.2	54.5
				HA025059-3	51.6	54.8
					52.0	55.1
					52.4	55.5
					52.8	55.8
				HA0250-61-3	53.2	56.1
					53.6	56.4
					54.0	56.7
					54.4	57.0
				HA0250-63-3	56.4	58.2
					56.8	58.8
					57.1	59.1
					57.4	59.3
					57.6	59.7
50.8	2	HA0226 HA0221 HA0618 HA0624 HA0642 HA0226-CIP HA0226-NZ HA0337 HA0241 HA0236	BSM Female BSM Male SMS Female SMS Male SS Sanitary Clamp BSM CIP RJT NZ Tube Weld DIN Female DIN Male	HA0251-70-3	62.7	66.3
					63.1	66.6
					53.5	66.9
					63.9	67.2
				HA0251-72-3	64.3	67.5
					64.7	67.8
					65.1	68.2
					65.5	68.5
				HA0251-74-3	65.9	68.8
					66.3	69.1
					66.7	69.4
					67.1	69.7
				HA0251-75-3	67.5	70.0
					67.9	70.3
					68.3	70.6
					68.7	70.9

[1]Contact Dixon™ for crimp specifications

Holedall™ Crimp Specifications

Hose Size		Stem Part Number	Description	Ferrule Part Number	Hose OD (mm)	Crimp Diameter (mm)
mm	inch					
63.5	2½	HA0227 HA0222 HA0229-CIP HA0619 HA0625 HA0643 HA0242 HA0237 HA0839 HA0277-NZ	BSM Female BSM Male BSM-CIP SMS Female SMS Male SS Sanitary Clamp DIN Female DIN Male Tube Weld RJT NZ	HA0252-84-3	76.1	79.6
					76.5	79.9
					76.9	80.2
					77.3	80.5
				HA0252-86-3	78.1	81.2
					78.5	81.5
					78.9	81.8
					79.3	82.1
				HA0252-89-3	81.1	83.3
					81.5	83.8
					81.9	83.9
					82.3	84.5
76.2	3	HA0228 HA0223 HA0620 HA0626 HA0644 HA0243 HA0238 HA0841 HA0228-NZ	BSM Female BSM Male SMS Female SMS Male SS Sanitary Clamp DIN Female DIN Male Tube Weld RJT NZ	HA0253-96-3	88.0	91.4
					88.4	91.8
					88.8	92.1
					89.2	92.4
				HA0253-98-3	90.5	93.6
					90.9	93.9
					91.3	94.2
					91.7	94.5
				HA0253-100-3	92.1	94.8
					92.5	95.1
					92.9	95.4
					93.3	95.7
				HA0253-101-3	93.7	96.0
					94.1	96.3
					94.5	96.6
					94.8	96.9
				HA0253-103-3	95.3	97.2
					95.7	97.5
					96.0	97.8
					96.4	98.2
				HA0253-105-3	96.9	98.5
					97.2	98.8
					97.6	99.1
					98.0	99.4
				HA0253-106-3	98.4	99.7
					98.8	100.0
					99.2	100.3
					99.6	100.6
101.6	4	HA0294 HA0293 HA0621 HA0627 HA0645 HA0244 HA0239 HA0843 HA0294-NA	BSM Female BSM Male SMS Female SMS Male SS Sanitary Clamp DIN Female DIN Male Tube Weld RJT NZ	HA0301-129-5	117.5	123.4
					117.9	123.7
					118.3	124.0
					118.9	124.3
				HA0301-130-5	119.1	124.6
					119.5	124.9
					119.9	125.2
					120.2	125.5
				HA0301-132-5	120.7	125.8
					121.1	126.1
					121.4	126.4
					121.8	126.8
				HA0301-133-5	122.3	127.1
					122.6	127.4
					123.0	127.7
					123.4	128.0
				HA0301-135-5	123.8	128.3
					124.2	128.6
					124.6	128.9
					125.0	129.2
				HA0301-136-5	128.9	n/a[1]
					130.18	n/a[1]

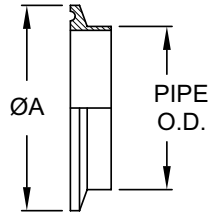
Clamp Ferrules



Tube

Tube

Tube OD		ØA (mm)
mm	inches	
12.7	½	25.1
19.05	¾	25.1
25.4	1	50.5
38.1	1½	50.5
50.8	2	64.0
63.5	2½	77.5
76.2	3	91.0
101.6	4	119.0
127	5	166.1
152.4	6	212.5
203.2	8	218.5
254	10	268.4
304.8	12	319.2

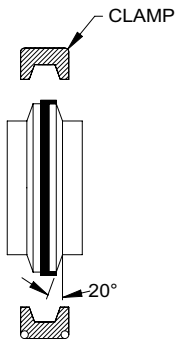


Pipe

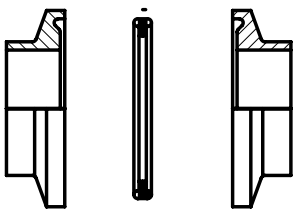
Pipe

Pipe OD		ØA (mm)
mm	inches	
25.4	1	50.39
31.75	1¼	63.91
38.1	1½	63.91
50.8	2	77.39
63.5	2½	90.91
76.2	3	104.77
101.6	4	130.17
152.4	6	182.75
203.2	8	233.68

Clamp Connections

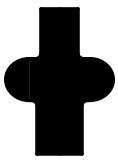


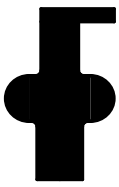
Sizes 1" to 12"


Sizes ½" & ¾"

Gaskets


Type 1 - Standard
½" & ¾"

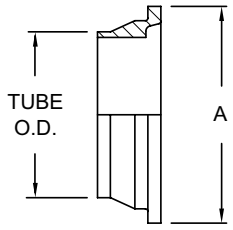

Type 1 - Standard
1" to 12"


Type 2 - Flanged
1" to 12"

RJT Liners & Males

Liner

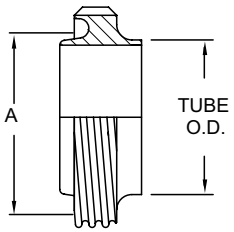
Tube OD		ØA (mm)
mm	inches	
25.4	1	41.3
38.1	1½	54.0
50.8	2	66.7
63.5	2½	79.4
76.2	3	92.1
101.6	4	117.5



Liner

Male

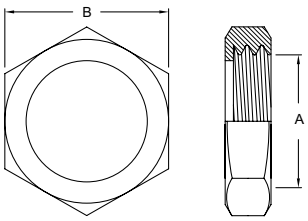
Tube OD		ØA (mm)
mm	inches	
25.4	1	33.3
38.1	1½	46.0
50.8	2	58.7
63.5	2½	71.4
76.2	3	84.1
101.6	4	109.5



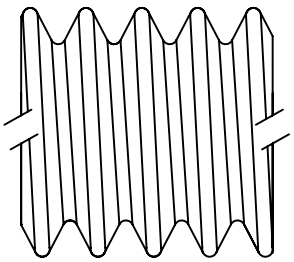
Male

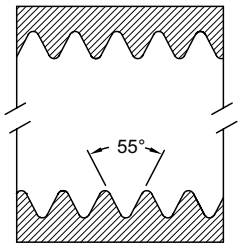
RJT Hex Nuts

Tube OD (inches)	A Thread ID (mm)	B Across Flats (mm)	Threads Per Inch
1	33.3	50.8	8
1½	46.0	65.0	8
2	58.7	79.4	6
2½	71.4	92.1	6
3	84.1	104.8	6
4	109.5	130.2	6



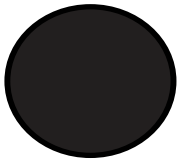
RJT Thread Form


Male Thread



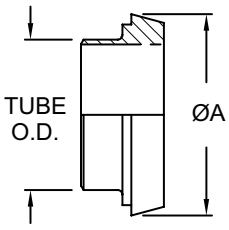
Female Thread

Gaskets



Also known as BSM (British Standard Milk) in Australia modified into Australian CIP Union

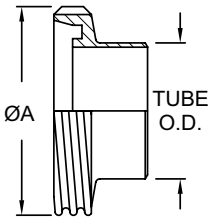
DIN 11851 Liners & Males



Liner

Liner

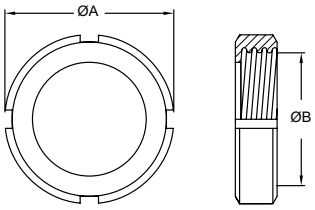
Tube OD		ØA (mm)
mm	inches	
25.4	1	43.90
38.1	1½	55.88
50.8	2	68.07
63.5	2½	86.12
76.2	3	100.08
101.6	4	120.90



Male

Male

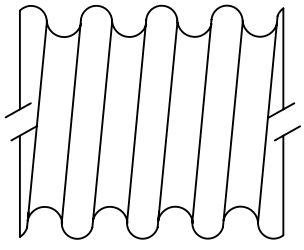
Tube OD		ØA (mm)
mm	inches	
25.4	1	51.82
38.1	1½	65.02
50.8	2	77.98
63.5	2½	95.00
76.2	3	109.47
101.6	4	129.54

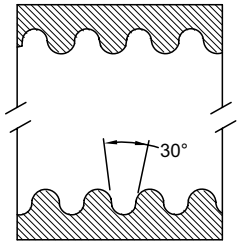


DIN Round Nuts

Tube OD (inches)	DN	ØA (mm)	B Thread ID (mm)	Threads Per Inch
1	25.4	63.00	47.75	6
1½	38.1	77.98	60.71	6
2	50.8	91.95	73.66	6
2½	63.5	112.01	88.65	6
3	76.2	127.00	105.16	4
4	101.6	148.08	125.48	4

DIN Thread Form

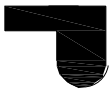

Male Thread



Female Thread

Gaskets

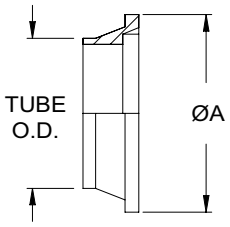

Type A


Type B

Australian CIP Flat Face Liners & Males

Liner

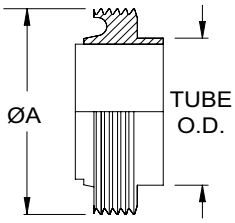
Tube OD		ØA (mm)
mm	inches	
25.4	1	41.3
38.1	1½	54.0
50.8	2	66.7
63.5	2½	79.4
76.2	3	92.1
101.6	4	117.5



Liner

Male

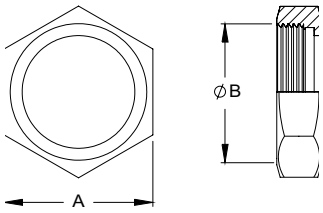
Tube OD		ØA (mm)
mm	inches	
25.4	1	33.3
38.1	1½	46.0
50.8	2	58.7
63.5	2½	71.4
76.2	3	84.1
101.6	4	109.5



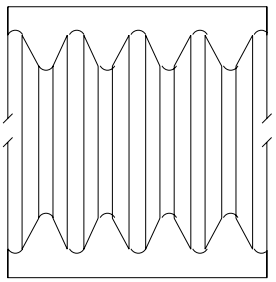
Male

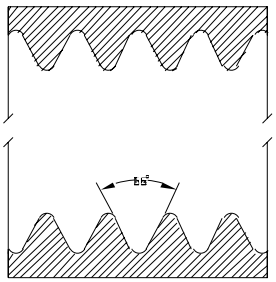
Hex Nuts

Tube OD (inches)	DN	A (mm)	B Thread ID (mm)	Threads Per Inch
1	25.4	50.8	33.3	6
1½	38.1	65.0	46.0	6
2	50.8	79.4	58.7	6
2½	63.5	92.1	71.4	6
3	76.2	104.8	84.1	4
4	101.6	130.2	109.5	4

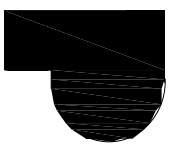


RJT Thread Form


Male Thread


Female Thread

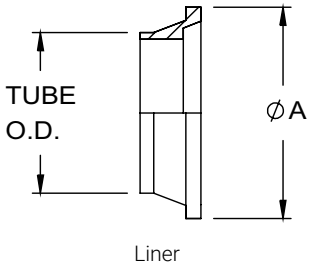
Gaskets



Also known as BSM (British Standard Milk) in Australia modified into Australian CIP Union

New Zealand RJT Liners & Males

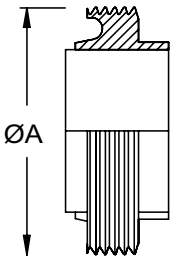
Liner



Liner

Tube OD		ØA (mm)
mm	inches	
25.4	1	91.3
38.1	1½	54.0
50.8	2	66.7
63.5	2½	79.4
76.2	3	92.1
101.6	4	117.5

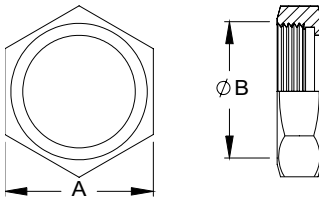
Male



Male

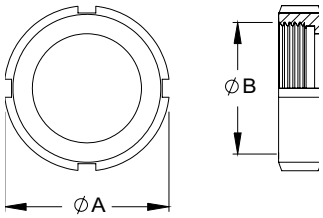
Tube OD		ØA (mm)
mm	inches	
25.4	1	33.3
38.1	1½	46.0
50.8	2	58.7
63.5	2½	71.4
76.2	3	84.1
101.6	4	109.5

Hex Nuts



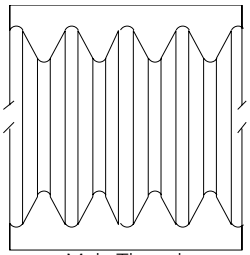
Tube OD (inches)	DN	A (mm)	ØB Thread ID (mm)	Threads Per Inch
1	25	63.00	47.75	6
1½	40	77.98	60.71	6
2	50	91.95	73.66	6
2½	65	112.01	88.65	6
3	80	127.00	105.16	4
4	100	148.08	125.48	4

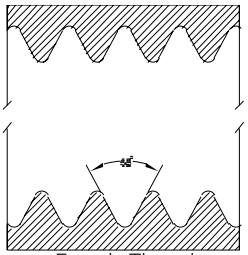
Round Nuts



Tube OD (inches)	DN	ØA (mm)	ØB Thread ID (mm)	Threads Per Inch
1	25	63.00	47.75	6
1½	40	77.98	60.71	6
2	50	91.95	73.66	6
2½	65	112.01	88.65	6
3	80	127.00	105.16	4
4	100	148.08	125.48	4

RJT Thread Form


Male Thread


Female Thread

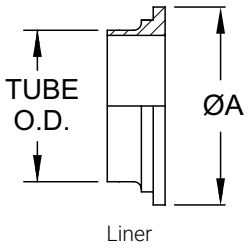
Gaskets



SMS Liners & Males

Liner

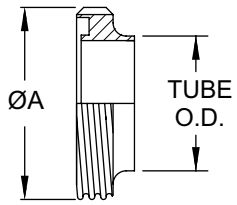
Tube OD		ØA (mm)
mm	inches	
25.4	1	35.56
38.1	1½	55.11
50.8	2	65.00
63.5	2½	80.01
76.2	3	92.96
101.6	4	118.11



Liner

Male

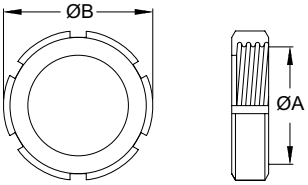
Tube OD		ØA (mm)
mm	inches	
25.4	1	39.37
38.1	1½	59.44
50.8	2	69.60
63.5	2½	84.58
76.2	3	97.54
101.6	4	124.46



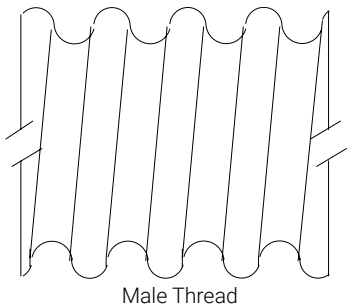
Male

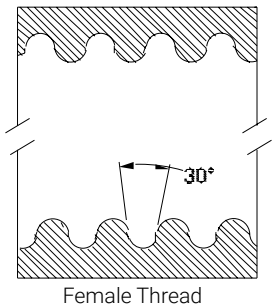
Round Nuts

Tube OD (inches)	ØA Thread ID (mm)	ØB (mm)	Threads Per Inch
1	36.58	51.05	6
1½	56.39	73.90	6
2	66.55	84.07	6
2½	81.53	100.08	6
3	94.49	114.05	6
4	119.89	137.92	4



SMS Thread Form


Male Thread



Female Thread

Gaskets


L Gasket


R Gasket



Wine Fitting Design

More hygienic, positive seal every time and retrofits your existing fittings.

Retrofits your existing wine fittings by matching the thread which prevents additional costs associated with replacing your old fittings.

An o-ring is now used to ensure a positive seal every time under pressure and will be retained and not lost unless a tool is used.

A smooth edge design has been added to the internals to make it more hygienic. The fittings from 1.5" to 4" has a 1.6mm wall, therefore no extra machining is required.

The redesigned tri-nut makes pulling your hose assembly around your winery easier.

Designed with the customer in mind.

Hygienic Valves & Pumps 380

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B5107 Series Butterfly Valves

Application

- Hygienic shut-off valve for use in stainless steel tube systems on tanks and general food and beverage processing. For use on low to medium-viscosity liquids, as well as food, beverage, wine, brewery, and personal care.

Features

- 100% hydraulic tested/100% inspected
- All wetted surfaces are sanitary finished to 32Ra
- Field serviceable (no special tools required)

Materials

Construction

- Product contact components, body, and disc: forged 316L
- Non-product contact components: 304

Sealing

- Product contact component, seals: EPDM, FKM, silicone
- Non-product contact components, bushings: Polyacetal

Connections

- Tube weld (standard)
- Other end connections on request: Weld end, female I-Line, male I-Line, threaded bevel, plain bevel, Q-Line, John Perry threaded

Product Operating Temperature

- Maximum: 93°C
- Minimum: -9°C

Minimum Line Pressure

- 0.4 inches Hg vacuum at 20°C

Surface Finish

- Product contact components: Ra ≤ 0.8
- Optional finishes: 0.38µm (15Ra), 0.58µm (20Ra), 0.635µm (25Ra)

Valve Stem Size

- ½" to 4" - 10mm
- 6" - 13mm
- 8" - 14mm

Based on Water at 20°C

Valve Size		Break Torque (in-Nm)			Pressure Rating		Flow Coefficient (Cv)
mm	inch	Silicone	EPDM	FKM	PSI	kPa	
12	½	2	1.5	8	140	965	7
20	¾	2	1.5	8	140	965	11
25	1	3	1.5	8	140	965	23
38	1½	4	2	14	140	965	80
50	2	4	5.5	20	140	965	230
65	2½	15	11	25	110	758	264
80	3	15	16.5	35	110	758	372
100	4	30	39	51	85	586	800
150	6	87.5	94	n/a	60	413	1200
200	8	125	125	n/a	60	413	2800

B5107 Series Butterfly Valves - Pull Handle

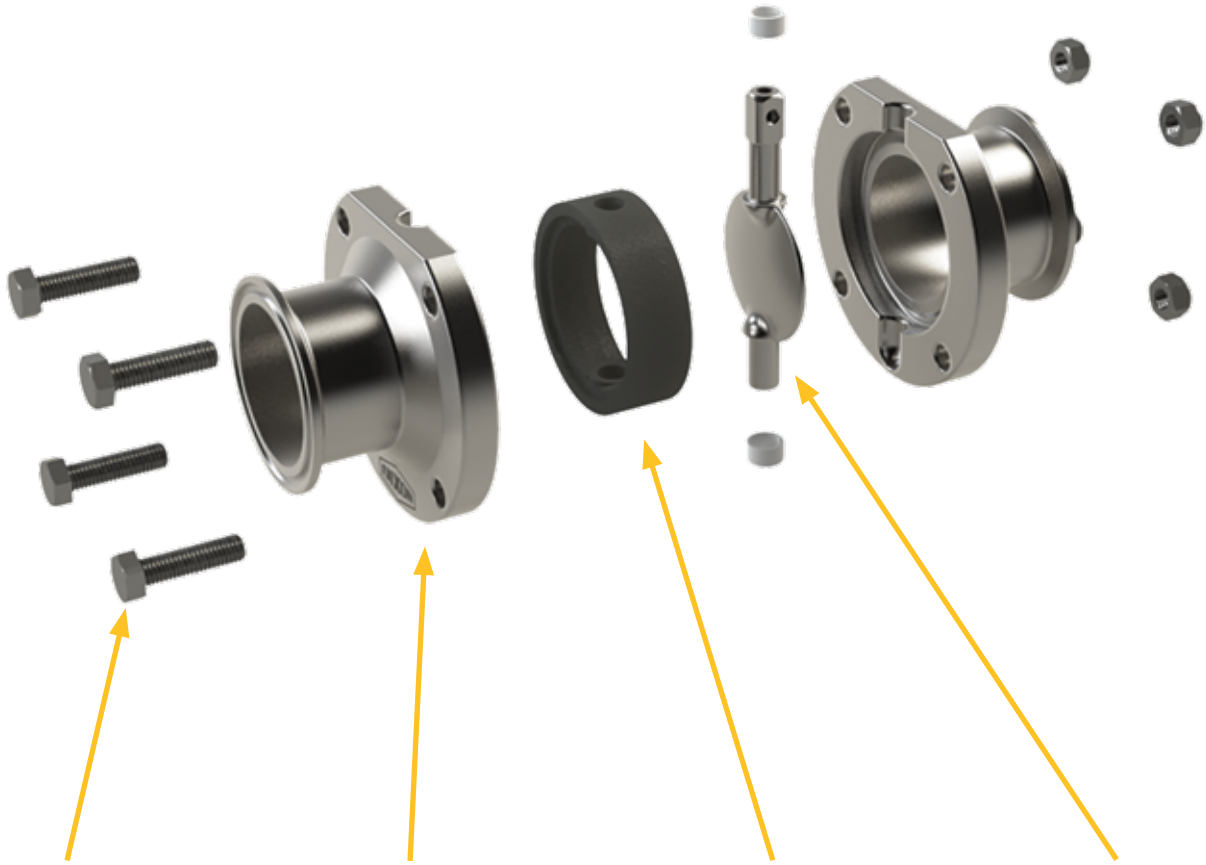


Weld End

Size		Part Numbers		
mm	inch	EPDM	Silicone	FKM
12	½	B5107E050BB-A	B5107S050BB-A	B5107V050BB-A
20	¾	B5107E075BB-A	B5107S075BB-A	B5107V075BB-A
25	1	B5107E100BB-A	B5107S100BB-A	B5107V100BB-A
38	1½	B5107E150BB-A	B5107S150BB-A	B5107V150BB-A
50	2	B5107E200BB-A	B5107S200BB-A	B5107V200BB-A
65	2½	B5107E250BB-A	B5107S250BB-A	B5107V250BB-A
80	3	B5107E300BB-A	B5107S300BB-A	B5107V300BB-A
100	4	B5107E400BB-A	B5107S400BB-A	B5107V400BB-A
150	6	B5107E600BB-A	B5107S600BB-A	B5107V600BB-A
200	8	B5107E800BB-A	B5107S800BB-A	B5107V800BB-A

Product Group: VF09

B5107-Series Butterfly Valve



Hex Head Body Bolts

Hex head body bolts eliminate the recessed cavity found in socket head body bolts, reducing the potential for bacterial buildup. Sizes 1/2" to 4"

Exterior Body Geometry

Body design enhances the exterior cleanability and drainability of the valve by utilizing a large machined chamfer between the flange face and the tube OD

Seal Performance

Our new EPDM with self-lubricating properties and silicone rubber help to reduce break torque and provide added durability to valve seats. Silicone and EPDM for valve sizes 1/2" to 4" have USP VI certification

Valve Disc

Increased disc stem square size provides added durability when higher torques are experienced due to viscous or sticky process fluids



Clamp End

Size		Part Numbers		
mm	inch	EPDM	Silicone	FKM
12	½	B5107E050CC-A	B5107S050CC-A	B5107V050CC-A
20	¾	B5107E075CC-A	B5107S075CC-A	B5107V075CC-A
25	1	B5107E100CC-A	B5107S100CC-A	B5107V100CC-A
38	1½	B5107E150CC-A	B5107S150CC-A	B5107V150CC-A
50	2	B5107E200CC-A	B5107S200CC-A	B5107V200CC-A
65	2½	B5107E250CC-A	B5107S250CC-A	B5107V250CC-A
80	3	B5107E300CC-A	B5107S300CC-A	B5107V300CC-A
100	4	B5107E400CC-A	B5107S400CC-A	B5107V400CC-A
150	6	B5107E600CC-A	B5107S600CC-A	B5107V600CC-A
200	8	B5107E800CC-A	B5107S800CC-A	B5107V800CC-A

Product Group: VF09

B5107 Series Butterfly Valves - Trigger Handle



Weld End

Size		Part Numbers		
mm	inch	EPDM	Silicone	FKM
12	½	B5107E050BB-C	B5107S050BB-C	B5107V050BB-C
20	¾	B5107E075BB-C	B5107S075BB-C	B5107V075BB-C
25	1	B5107E100BB-C	B5107S100BB-C	B5107V100BB-C
38	1½	B5107E150BB-C	B5107S150BB-C	B5107V150BB-C
50	2	B5107E200BB-C	B5107S200BB-C	B5107V200BB-C
65	2½	B5107E250BB-C	B5107S250BB-C	B5107V250BB-C
80	3	B5107E300BB-C	B5107S300BB-C	B5107V300BB-C
100	4	B5107E400BB-C	B5107S400BB-C	B5107V400BB-C
150	6	B5107E600BB-C	B5107S600BB-C	B5107V600BB-C
200	8	B5107E800BB-C	B5107S800BB-C	B5107V800BB-C

Product Group: VF09



Clamp End

Size		Part Numbers		
mm	inch	EPDM	Silicone	FKM
12	½	B5107E050CC-C	B5107S050CC-C	B5107V050CC-C
20	¾	B5107E075CC-C	B5107S075CC-C	B5107V075CC-C
25	1	B5107E100CC-C	B5107S100CC-C	B5107V100CC-C
38	1½	B5107E150CC-C	B5107S150CC-C	B5107V150CC-C
50	2	B5107E200CC-C	B5107S200CC-C	B5107V200CC-C
65	2½	B5107E250CC-C	B5107S250CC-C	B5107V250CC-C
80	3	B5107E300CC-C	B5107S300CC-C	B5107V300CC-C
100	4	B5107E400CC-C	B5107S400CC-C	B5107V400CC-C
150	6	B5107E600CC-C	B5107S600CC-C	B5107V600CC-C
200	8	B5107E800CC-C	B5107S800CC-C	B5107V800CC-C

Product Group: VF09

B5107-Series Butterfly Valve



Actuation Coupler

Coupler design eliminates the need for the roll pin to connect to the actuator, saving time during assembly. Additionally, sensing targets are incorporated into the coupler meaning no extra accessories are needed when adding external proximity sensors





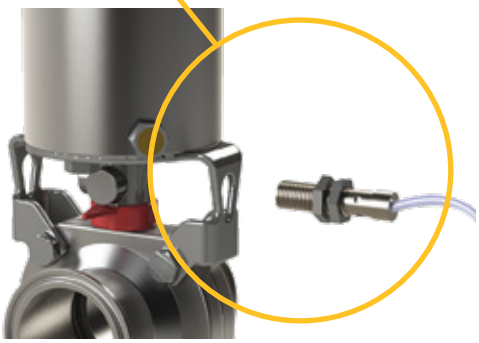
Control Top Ready Actuator

Actuator design allows for a control top to be added to any standard actuator in the field without the need to change the actuator



Single Piece Actuator Bracket

Single piece bracket makes assembly fast and easy compared to two-piece designs



Prox-Ready Mounting Holes

Sensors can easily be added to any actuated valve without the need to purchase additional mounting hardware

Vertical Spring Return Actuation Butterfly Valves

Stainless Steel

Application

- "Automatic" shut-off valve for use in stainless steel tube systems on tanks and in general food and beverage processing. Suitable for use with low to medium-viscosity liquids, as well as with food, beverage, wine, brewery, and personal care products.



Weld End

Size		EPDM Seats & Vertical Canister Style Actuator - Buttweld		
mm	inch	EPDM Seats Normally Closed	EPDM Seats Normally Open	EPDM Seats Double Acting
25	1	B5107E100BBG	B5107E100BBF	B5107E100BBH
38	1½	B5107E150BBG	B5107E150BBF	B5107E150BBH
50	2	B5107E200BBG	B5107E200BBF	B5107E200BBH
65	2½	B5107E250BBG	B5107E250BBF	B5107E250BBH
80	3	B5107E300BBG	B5107E300BBF	B5107E300BBH
100	4	B5107E400BBG	B5107E400BBF	B5107E400BBH

Also available in silicon and FKM

Product Group: VF09



Clamp End

Size		EPDM Seats & Vertical Canister Style Actuator - Buttweld		
mm	inch	EPDM Seats Normally Closed	EPDM Seats Normally Open	EPDM Seats Double Acting
25	1	B5107E100CCG	B5107E100CCF	B5107E100CCH
38	1½	B5107E150CCG	B5107E150CCF	B5107E150CCH
50	2	B5107E200CCG	B5107E200CCF	B5107E200CCH
65	2½	B5107E250CCG	B5107E250CCF	B5107E250CCH
80	3	B5107E300CCG	B5107E300CCF	B5107E300CCH
100	4	B5107E400CCG	B5107E400CCF	B5107E400CCH

Also available in silicon and FKM

Product Group: VF09



Actuator Specifications

	Double Acting	Spring Return
Down Stroke CW	139	139
Up Stroke CCW	328	303
Max. Temperautre	121°C	121°C
Min. Temperautre	-20°C	-20°C
Output Torque (Nm)	65.14	65.14
Max Pressure (PSI)	120	120
Supply Pressure (PSI)	80-100	80-100
Diameter (mm)	86	86
Height (mm)	149	149
Air Fitting Ports (inch)	1/8 NPT	1/8 NPT

Mounting Kits

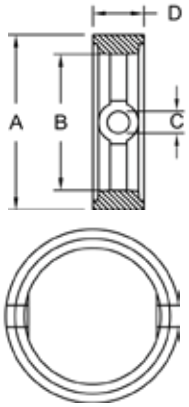
Size		Part Numbers	
mm	inch	Double Acting	Spring Return
12 - 38	½ - 1½	VC1DA-7-5015	VC1SR-7-5015
50 - 65	2 - 2½	VC1DA-7-2025	VC1SR-7-2025
80 - 100	3 - 4	VC1DA-1-7-3040	VC1SR-1-7-3040

Product Group: VF09



B5107 Seat Dimensions

Size		A (mm)	B (mm)	C (mm)	D (mm)
mm	inch				
12 - 25	½ - 1	36.06	21.08	9.40	19.56
38	1½	49.02	34.04	9.40	19.56
50	2	65.02	43.94	9.40	19.81
65	2½	76.96	59.69	11.68	23.11
80	3	92.96	71.12	13.97	27.94
100	4	125.98	98.04	15.75	36.32
150	6	173.48	147.07	15.75	43.18
200	8	236.73	200.41	17.02	40.39



Repair Kits - USP Class VI Certified

Size		Part Numbers		
mm	inch	Black EPDM	Red Silicone	Brown FKM
25	1	B5107-RKE100	B5107-RKS100	B5107-RKV100
38	1½	B5107-RKE150	B5107-RKS150	B5107-RKV150
50	2	B5107-RKE200	B5107-RKS200	B5107-RKV200
65	2½	B5107-RKE250	B5107-RKS250	B5107-RKV250
80	3	B5107-RKE300	B5107-RKS300	B5107-RKV300
100	4	B5107-RKE400	B5107-RKS400	B5107-RKV400
150	6	B5107-RKE600	B5107-RKS600	B5107-RKV600
200	8	B5107-RKE800	-	B5107-RKV800

For B5107 series valves, also compatible with B5101 series valves

Product Group: VF09



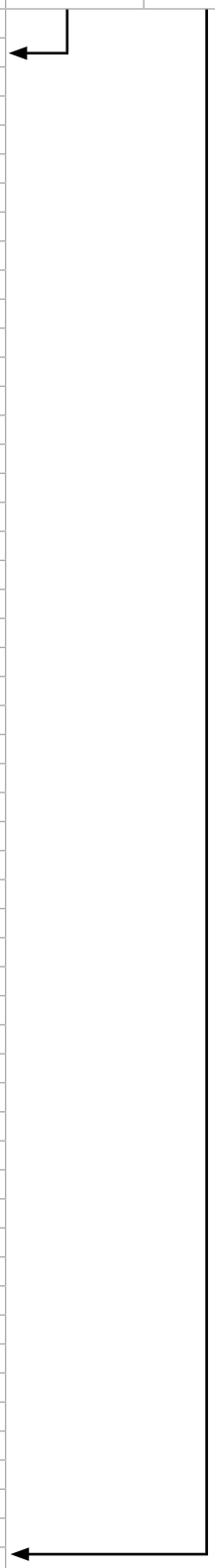
B5107 Butterfly Valve Part Number Key

Dixon B5107 Butterfly Valve Part Number Key Example: B5107E050CC-A		Series	Seat Material	Valve Size	Connection End	Connection End	Actuator
		B5107	E	050	C	C	-A
Series	**Code**						
Two-piece body	B5107						
Seat Material	**Code**						
EPDM	E						
Silicone	S						
FKM	V						
Valve size	**Code**						
1/2"	050						
3/4"	075						
1"	100						
1-1/2"	150						
2"	200						
2-1/2"	250						
3"	300						
4"	400						
6"	600						
8"	800						
Connections (choose connection for each side of valve)	**Code**						
Clamp	C						
Weld	B						
Female I-Line	F						
Male I-Line	M						
Threaded bevel	T						
Plain bevel	P						
Q-Line	Q						
Actuation	**Code**						
*Manual handle - 4 position standard handle	A						
*Manual handle - infinite position handle	B						
*Manual handle - 13 position trigger handle	C						
24VDC electric (power open/power close)	D						
110VAC electric (power open/power close)	E						
Normally open linear pneumatic vertical canister (cannot be used on valves over 4")	F						
Normally closed linear pneumatic vertical canister (cannot be used on valves over 4")	G						
Air to air linear pneumatic vertical canister (cannot be used on valves over 4")	H						
Air to air pneumatic rack and pinion stainless steel	J						
Normally closed pneumatic rack and pinion stainless steel	K						
Normally open pneumatic rack and pinion stainless steel	L						
Air to air pneumatic rack and pinion aluminium	M						
Normally closed pneumatic rack and pinion aluminium	N						
Normally open pneumatic rack and pinion aluminium	P						
Normally closed, dead man handle	Q						
220VAC electric (power open/power close)	R						

*NOTE: Only use a dash (-) in the part number if using a manual handle with no options, otherwise the dash is eliminated.

B5107 Butterfly Valve Part Number Key

Dixon B5107 Butterfly Valve Part Number Key (continued)	
Control Unit/Feedback	**Code**
None	Blank
Only available to be used with the following actuation codes: C, F, G, and H	
10-30VDC 12mm external prox, PNP, open/close, (qty 2), flying leads	01
10-30 VDC 12mm external prox, NPN, open/close, (qty 2), flying leads	02
10-30VDC 12mm external prox, PNP, open, (qty 1), flying leads	03
10-30VDC 12mm external prox, PNP, close, (qty 1), flying leads	04
10-30 VDC 12mm external prox, NPN, open, (qty 1), flying leads	05
10-30VDC 12mm external prox, PNP, open/close, (qty 2), M12 quick disconnect	06
10-30 VDC 12mm external prox, NPN, open/close, (qty 2), M12 quick disconnect	07
10-30VDC 12mm external prox, PNP, open, (qty 1), M12 quick disconnect	08
10-30VDC 12mm external prox, PNP, close, (qty 1), M12 quick disconnect	09
10-30 VDC 12mm external prox, NPN, open, (qty 1), M12 quick disconnect	10
Only available to be used with the following actuation codes: F, G, and H	
Burkert 8691, single acting, DeviceNet, multipin	11
Burkert 8691, single acting, AS-I, multipin	12
Burkert 8691, single acting, 24VDC, multipin	13
Burkert 8691, double acting, DeviceNet, multipin	14
Burkert 8691, double acting, AS-I, multipin	15
Burkert 8691, double acting, 24VDC, multipin	16
Burkert 8691, without solenoid, 24VDC, multipin	17
Burkert 8692 positioner, 24VDC, 4-20mA, multipin	18
Only available to be used with the following actuation codes: A, J, K, L, M, N, and P	
Limit switch box, open/close Beacon, (2) SPDT mechanical switches	19
Limit switch box, open/close Beacon, (2) proximity SPDT switches	20
Limit switch box, open/close Beacon, AS-I interface	21
Only available to be used with the following actuation codes: J, K, L, M, N, and P	
Rotary pneumatic positioner 3-15 PSI input, no feedback	22
Rotary pneumatic positioner 3-15 PSI input, (2) SPDT mechanical switches for feedback	23
Rotary pneumatic positioner 3-15 PSI input, 4-20mA for feedback	24
Rotary electropneumatic positioner 4-20mA input, no feedback	25
Rotary electro-pneumatic positioner 4-20mA input, (2) SPDT mechanical switches for feedback	26
Rotary electro-pneumatic positioner 4-20mA input, 4-20mA for feedback	27
Rotary electro-pneumatic positioner 0-10v input, no feedback	28
Rotary electro-pneumatic positioner 0-10v input, (2) SPDT mechanical switches for feedback	29
Rotary electro-pneumatic positioner 0-10v input, 4-20mA for feedback	30
Single coil solenoid, 12VDC	31
Single coil solenoid, 24VDC	32
Single coil solenoid, 24VAC	33
Single coil solenoid, 110VAC	34
Single coil solenoid, 220VAC	35
Single coil solenoid, 12VDC + option 19 limit switch	36
Single coil solenoid, 12VDC + option 20 limit switch	37
Single coil solenoid, 24VDC + option 19 limit switch	38
Single coil solenoid, 24VDC + option 20 limit switch	39
Single coil solenoid, 24VAC + option 19 limit switch	40
Single coil solenoid, 24VAC + option 20 limit switch	41
Single coil solenoid, 110VAC + option 19 limit switch	42
Single coil solenoid, 110VAC + option 20 limit switch	43
Single coil solenoid, 220VAC + option 19 limit switch	44
Single coil solenoid, 220VAC + option 20 limit switch	45
Limit switch box with integral solenoid, AS-i, 24VDC	46
Aluminium prox ring with red poly tube indicator	47
Alternate Finish Option	**Code**
None	Blank
25Ra mechanical	B
20Ra mechanical	C
15Ra electropolish	D



HSC Series Spring Check Valves

Application

- Spring check valves are designed to prevent reverse flow. The concentric design makes them ideal for vertical food and beverage applications.

Features

- Single-piece upper-body spider design
- Machined from solid bar
- Standard O-ring and gasket seal design
- Can be serviced in the field (no special tools required)
- Finish: sanitary polish 32Ra
- Suitable for low and medium-viscosity fluids
- Connection: clamp (standard), others available upon request

End Connections

- Weld, Triclover, SMS, DIN, and RJT ends are available

Maximum Operating Pressure

- 145 PSI at -9.4°C to 93°C

Maximum Operating Temperature

- -9°C to 93°C (15°F to 200°F)



HSC - Vertical Mount



EHSC - Horizontal Mount

Size		Part Numbers				Cracking Pressure (PSI)
		HSC - EPDM		EHSC - EPDM		
mm	inch	Clamp End	Weld End	Clamp End	Weld End	
12	½	HSCE050	HSCE050BB	EHSCE050	EHSCE050BB	10.0
20	¾	HSCE075	HSCE075BB	EHSCE075	EHSCE075BB	4.0
25	1	HSCE100	HSCE100BB	EHSCE100	EHSCE100BB	2.5
38	1½	HSCE150	HSCE150BB	EHSCE150	EHSCE150BB	1.0
50	2	HSCE200	HSCE200BB	EHSCE200	EHSCE200BB	1.5
65	2½	HSCE250	HSCE250BB	EHSCE250	EHSCE250BB	0.8
80	3	HSCE300	HSCE300BB	EHSCE300	EHSCE300BB	0.5
100	4	HSCE400	HSCE400BB	EHSCE400	EHSCE400BB	0.4

FKM available upon request

Product Group: VC10



Dimensions

Size		A (inch)
mm	inch	
12	½	2.7
20	¾	2.7
25	1	3.3
38	1½	3.4
50	2	3.4
65	2½	3.4
80	3	3.4
100	4	4.1



Kit Contains:

1/2" - 3/4" repair kit contains:

(1) body gasket

(1) plunger O-ring

(1) spider O-ring

1" - 4" repair kit contains:

(1) body gasket

(1) plunger O-ring

Repair Kits

Size		Part Numbers
mm	inch	
12	½	HSC-RKE050
20	¾	HSC-RKE075
25	1	HSC-RKE100
38	1½	HSC-RKE150
50	2	HSC-RKE200
65	2½	HSC-RKE250
80	3	HSC-RKE300
100	4	HSC-RKE400

Product Group: VC10

Ball Valves - Encapsulated

Application

- Hygienic ball valve for food and chemical use with ISO mount plate.

Features

- Balanced encapsulated construction minimises cold flow
- Live-loaded stem packing
- Precision stainless steel balls reduce torque and friction losses while extending seat life
- A lockable handle can prevent accidental actuation
- Standard internal entry blow-out proof stem design
- Full-port design matches ball and seat ports to tube ID for lower pressure drop and less turbulent flow
- Compact design for areas with tight space restrictions

Materials

- PTFE seal
- CF8M 316 stainless steel
- ID polish is Ra 32 minimum
- Fully encapsulated construction produces bubble-tight seal
- Integral ISO 5211 mounting pad
- Optional seals available - 25% carbon-reinforced tetrafluoroethylene, 15% glass-reinforced RTFE, 50% stainless steel-reinforced PTFE, and UHMW

Size		Part Numbers	
mm	inch	Weld End	Clamp End
12	½	BV2CV-050BB-A	BV2CV-050CC-A
20	¾	BV2CV-075BB-A	BV2CV-075CC-A
25	1	BV2CV-100BB-A	BV2CV-100CC-A
38	1½	BV2CV-150BB-A	BV2CV-150CC-A
50	2	BV2CV-200BB-A	BV2CV-200CC-A
65	2½	BV2CV-250BB-A	BV2CV-250CC-A
80	3	BV2CV-300BB-A	BV2CV-300CC-A
100	4	BV2CV-400BB-A	BV2CV-400CC-A

Product Group: VS03



Clamp End

BV3/4 Series Multi-Port Sanitary Stainless Steel Ball Valves

Application

- Hygienic ball valve for food and chemical use with ISO mount plate.

Features

- Full-port design on ½" to 3"
- Reduced port design on 4"
- Blow-out proof stem
- Live-loaded stem packing
- ISO 5211 mounting pad
- Lock-out, tag-out

Materials

- Body, ends, and ball: CF8M stainless
- Seats: virgin PTFE, 15% glass reinforced RTFE, 25% carbon reinforced PTFE, 50% stainless steel reinforced PTFE or UHMW

Maximum Working Pressure

- ½" - 2" 1000 PSI WOG
- 4" 800 PSI WOG

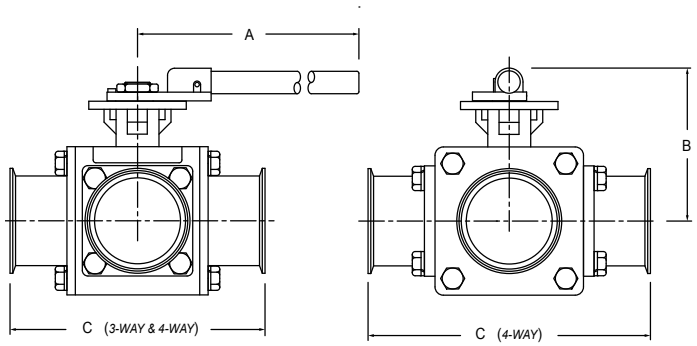
Size		Part Numbers			
		Weld End		Clamp End	
mm	inch	T Port	L Port	T Port	L Port
12	½	BV3SVTF050B-A	BV3SVLF050B-A	BV3SVTF050C-A	BV3SVLF050C-A
20	¾	BV3SVTF075B-A	BV3SVLF075B-A	BV3SVTF075C-A	BV3SVLF075C-A
25	1	BV3SVTF100B-A	BV3SVLF100B-A	BV3SVTF100C-A	BV3SVLF100C-A
38	1½	BV3SVTF150B-A	BV3SVLF150B-A	BV3SVTF150C-A	BV3SVLF150C-A
50	2	BV3SVTF200B-A	BV3SVLF200B-A	BV3SVTF200C-A	BV3SVLF200C-A
65	2½	BV3SVTF250B-A	BV3SVLF250B-A	BV3SVTF250C-A	BV3SVLF250C-A
80	3	BV3SVTF300B-A	BV3SVLF300B-A	BV3SVTF300C-A	BV3SVLF300C-A
100	4	BV3SVTF400B-A	BV3SVLF400B-A	BV3SVTF400C-A	BV3SVLF400C-A

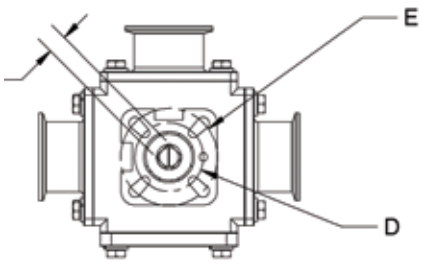
Product Group: VS03



Clamp End

BV3/4 Series Multi-Port Sanitary Stainless Steel Ball Valves





Size		A (mm)	B (mm)	C (mm)	D	E	F (mm)	Weight	L-Port Break Torque (in-lb)	T-Port Break Torque (in-lb)
mm	inch									
12	½	124.46	43.18	116.84	F03	F04	9.0	1.63	65	44
20	¾	127.00	48.25	127.00	F03	F04	9.0	1.95	76	76
25	1	134.62	58.42	152.40	F04	F05	11.0	3.08	171	171
38	1½	241.30	73.66	175.26	F05	F07	14.0	5.71	356	297
50	2	241.30	81.28	190.50	F05	F07	14.0	9.79	553	553
65	2½	457.20	99.06	213.36	F07	F10	17.0	15.26	1114	1114
80	3	464.82	124.46	243.84	F10	F12	22.0	25.58	1875	1400
100	4	464.82	137.16	289.56	F10	F12	22.0	38.73	2241	2050

4-way available upon request



Kit Contains:

- (2) encapsulated seat small
- (2) encapsulated seat large
- (2) body seals
- (1) thrust washer
- (1) O-ring
- (3) stem packings
- (1) plug (3-way only)

Repair Kits

Size		Part Numbers
mm	inch	
12	½	BV-3SVFRK050
20	¾	BV-3SVFRK075
25	1	BV-3SVFRK100
38	1½	BV-3SVFRK150
50	2	BV-3SVFRK200
65	2½	BV-3SVFRK250
80	3	BV-3SVFRK300
100	4	BV-3SVFRK400

Product Group: VS03

Flow Paths 3-Way L - Port

Position A



Position B



Position C

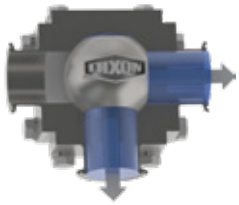


Flow Paths 3-Way T - Port

Position A



Position B



Position C



Position D



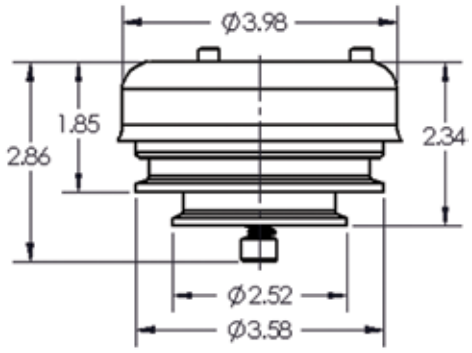
Air & Vacuum Relief Tank Vent Valve

Application

- The valve relieves pressure as the fluid level rises while filling a tank and relieves the vacuum as the fluid level drops while emptying a tank.

Features

- 50mm & 80mm (2" & 3") clamp connections on the same valve
- Dome helps in preventing external contamination
- Light-weight, robust PVC and 304 stainless steel construction
- Can use any clamp gasket



Materials

- 304 stainless steel
- PVC

Specifications

- Flow rate: 110m³/Hr
- Vacuum break: 0.1 PSI
- Pressure relief: 0.1 PSI

Size		Part Number
mm	inch	
50 & 80	2 & 3	TVPC200-300

Product Group: AV11



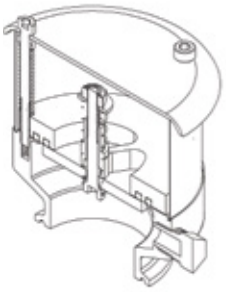
Air & Vacuum Relief Tank Vent Valve - Stainless Steel

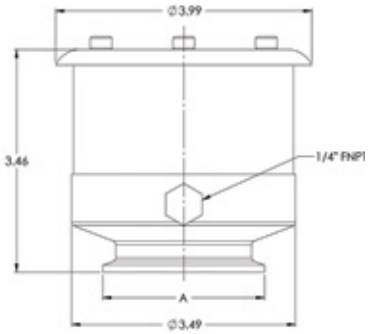
Application

- The valve relieves pressure as the fluid level rises while filling a tank and relieves the vacuum as the fluid level drops while emptying a tank.

Features

- Seals under equal pressure
- A stainless steel screen surrounds the entire vacuum and pressure flow area
- ¼" FNPT connection for gas inlet, plugs also supplied





Materials

- 304 stainless steel
- EPDM elastomer

Specifications

- Vacuum break: 2" water column 0.1 PSI
- Pressure relief: 22" water column 0.8 PSI
- Maximum temperature & pressure rating: 3 PSI @ 21°C
- Tank fill & evacuation rate: 250 GPM max

Size		Part Numbers	Dimension A (inch)
mm	inch		
50	2	TVSEC-G200	2.52
80	3	TVSEC-G300	3.58
100	4	TVSEC-G400	4.68

Product Group: AV11



- These valves have been designed as a secondary pressure and vacuum relief vent. Always open the upper manhole whenever the product is being transferred in excess of 250 gallons per minute

Dixon™/Rieger Aseptic Type Valves

Application

- The Rieger aseptic mix-proof valve N7 ensures the reliable separation of process lines for liquid products by means of the SIP capable leakage space as well in-type "piping" as in-type "tank". CIP/SIP valves control the steam inlet and outlet in the leakage space.
- The outstanding aseptic properties are achieved by hermetic sealing from the environment. A temperature survey in the leakage chamber is available upon request. It is important to note, that the full spring force is applied as well in the rest position as when rinsing the valve.

Features

- Design: one-piece valve body, made from solid bar, short design, fewer welding seams, few seals in-product area
- Absolute product protection: safe media separation by leakage space, controlled leakage chamber, both valve disks are liftable separately
- Serviceable maintenance: change of seals without special tools, less standing time, easy cleaning
- Efficiency: long life of the PTFE bellows, low maintenance costs, with brackets for proximity switches on the main actuator

Materials

- In product contact: 1.4404/AISI316L
- Optional: 1.4435/AISI316L
- No product contact: 1.4301/AISI304
- Seals: bellows PTFE
- O-rings: EPDM

Product Contact Seals

- DIN 11850-R2 (DIN 11866 A)
- OD tube (DIN 11866 C)

Temperatures

- EPDM operating: 130°C dependent upon operating conditions. Sterilising: 150°C dependent upon operating conditions
- PTFE operating: 121°C short-time (approximately 20 minutes). Sterilising: 135°C short-time (approximately 20 minutes)

Operating Pressure

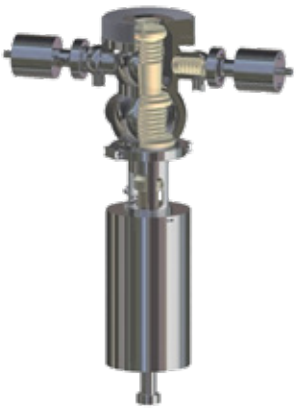
- Piping: maximum 6 bar
- Tank: maximum 4 bar
- Control air pressure: minimum 6 bar - maximum 4 bar

Surfaces

- In product contact: Ra <= 0.8 µm
- No product contact: Ra <= 1.6 µm



For Piping



For Tank



Bellows PTFE with metal cap or with peek cap

Dixon™/Rieger Aseptic Type Valves

Features

- Solid housing
- No dead spaces
- Fully drainable
- Many built-in positions are possible
- Complete separation from the environment
- No dome or sump in product space
- Change of seals without special tools
- Long-life PTFE bellows
- Low spare parts costs
- OD tube (DIN 11866 C)

Materials

- Product contact surfaces: 316L, 32Ra, optional surface finishes available
- No product contact: 1.4301/AISI304, 68Ra

Sizes

- 12mm to 100mm (½" to 4")

Specifications

- Maximum standard operating temperature: 121°C
- Sterilisating temperature: 135°C
- Closure pressure: maximum 87 PSI (6 bar)
- Actuator air pressure: minimum 87 PSI (6 bar), maximum 145 PSI (10 bar)



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SSV Series Single Seat Hygienic Valves

Application

- The SSV series single-seat valves offer a true hygienic design to meet your most demanding process applications. The SSV series valves are offered in 316L stainless steel with a variety of body configurations, seat, and stem seal materials to fit your specific needs. This valve series is designed to shut off or divert the flow in your process either remotely by using air or locally using a manual operating device. The rugged design of the actuator and valve body allows the valve to stand up to the harsh environments often found in the sanitary industry.

Features

- Options: manual, actuated (spring return, double acting), control tops
- Surface finish: <32Ra standard
- Air connections: ⅛" FNPT

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Materials

- Body: 316L stainless steel
- Actuator: 304 stainless steel
- Manual operating device: 304 stainless steel
- Stem seal: Nitrile Buna, EPDM, FKM
- Seat seal: Nitrile Buna, EPD<. FKM, PTFE

Temperatures

- Temperature range: -45°C to 100°C (-50°F to 212°F)

Sizes

- 25mm to 100mm (1" to 4")

Refer to page 394 for the part number key table

Positioner Type 8692 & 8694 - For Pneumatic Control Angle Valves

Application

- Digital electro-pneumatic positioner for the integrated mounting on process control valves.

Features

- Compact stainless steel design
- Graphic display with backlight
- Easy start-up
- A comprehensive range of additional software functions
- Internal control air channel

Size		Part Numbers
mm	inch	
25 - 38	1 - 1½	CV-AK100-150
50 - 100	2 - 4	CV-AK200-4000

Product Group: VF10



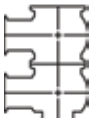
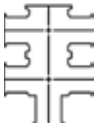
SSV Single Seat Valve Part Number Key

Example:

Part Number - D06B20NBCCC2PVG

Part Description: Divert Valve, T/L Body, 25Ra Polish, 2", [No Port on A, Buttweld on Port B, Clamp Port C, Clamp on Port D, Clamp on Port E Spring Return Air-to-Lower Actuator, PTFE Stem Seal, FKM wetted Elastomers, Burkert 8691 Single Acting 24VDC Multipin.

Diagram A (Body Styles)

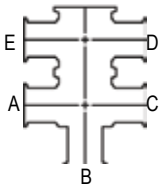
L-Body	T-Body	Y-Body	F-Body	LL-Body	TL-Body	LT-Body	TT-Body
							

Dixon SSV-Series Single Seat Valve Part Number Key	Valve Function	Valve Body				Actuator Function	Stem Type	Wetted Elastomers	Options
	S	01	A	10	C	1	E	E	A

Valve Function	Code
Shut-Off	S
Divert	D
Valve Body Style (See Diagram A)	**Code**
L (2-port Shut-Off)	01
T (3-port Shut-Off)	02
Y (2-port Shut-Off)	03
F (3-port Divert)	04
L/L (3-port Divert)	05
T/L (4-port Divert)	06
L/T (4-port Divert)	07
T/T (5-port Divert)	08
Surface Finish	**Code**
32 Ra (ID Mech. Polish)	A
25 Ra (ID Mech. Polish)	B
20 Ra (ID Mech. Polish)	C
15 Ra (ID Electropolish)	D
Valve Size	**Code**
1"	10
1½"	15
2"	20
2½"	25
3"	30
4"	40
Connections	**Code**
Triclamp	C
Buttweld	B
Female I-Line	F
Male I-Line	M
Threaded Bevel	T
Plain Bevel	P
Q-Line	Q
Combination (See Table 1)	—
Actuator Type	**Code**
Pneumatic Spring Return (Air-to-Raise)	1
Pneumatic Spring Return (Air-to-Lower)	2
Pneumatic Double Acting (Air-to-Air)	3
Manual Handle	4
Stem Type	**Code**
Elastomer O-Ring Stem Seal	E
PTFE Plug Seal	P
Wetted Elastomers	**Code**
EPDM	E
FKM	V

Options	Code
10-30VDC External Prox, PNP, (Qty 2)	A
10-30 VDC External Prox, NPN, (Qty 2)	B
20-253 VAC External Prox, (Qty 2)	C
110VAC External Prox, (Qty 2)	D
Burkert 8691, Single Acting, DeviceNet, Multipin	E
Burkert 8691, Single Acting, AS-i, Multipin	F
Burkert 8691, Single Acting, 24VDC, Multipin	G
Burkert 8691, Double Acting, DeviceNet, Multipin	H
Burkert 8691, Double Acting, AS-i, Multipin	J
Burkert 8691, Double Acting, 24VDC, Multipin	K
Burkert 8691, Without Solenoid, 24VDC, Multipin	L
Burkert 8681, Single Acting, 110VAC, Multipin	M
Burkert 8681, Double Acting, 110VAC, Multipin	N
Burkert 8692 Positioner, 24VDC, 4-20mA, Multipin	P
External Prox Bracket Only	Q

Table 1 (Codes)

A-Port	B-Port	C-Port	D-Port	E-Port	Port Diagram
C	C	C	C	C	
B	B	B	B	B	
F	F	F	F	F	
M	M	M	M	M	
T	T	T	T	T	
P	P	P	P	P	
Q	Q	Q	Q	Q	
N (No Port)	—	N (No Port)	N (No Port)	N (No Port)	

Dixon™/Rieger Mix Proof Valves

Application

- Dixon™/Rieger Mix Proof valves ensure reliable protection of your product, separating non-compatible liquids. The design of the one-part solid valve body and the radial sealing of both valve seats together with the balanced valve disks allows safe CIP/SIP cleaning thus providing high safety for your products.

Features

- One-piece valve body made from solid bar
- No weld torsion
- Water-hammer safe up to 435 PSI (30 bar)
- Balanced valve disks
- Low need for controlled air
- Lightweight - 100mm (4"), 35kg
- Standard actuator with 3 lift functions
- Easy cleaning by lifting off both disks
- Service without compressed air
- Valve insert removable upwards
- Radial sealing of both valve seats
- Only 4 seals in the product space
- Change seals without special tools
- 316L stainless steel in contact with the product
- Inner surface Ra 0.8 µm (standard)

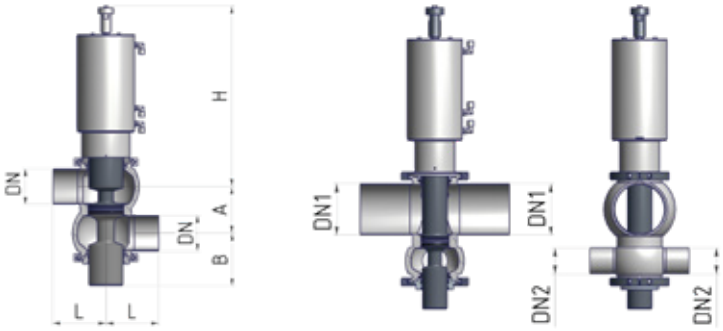


Options

- Mix proof bottom seat valve
- Mix proof bottom seat change over valve
- Mix proof change over valve

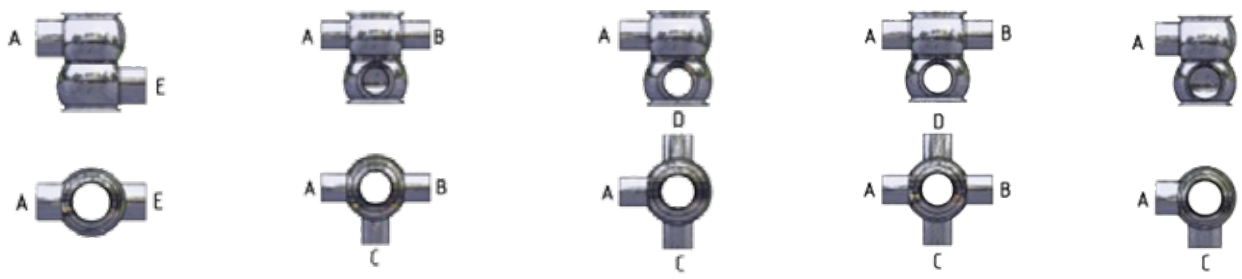
Sizes

- 25mm to 150mm (1" to 6")



Different sizes on the upper to the lower process line are also available

Valve Body Types



Dixon™/Rieger Control Valves & In Aseptic Version

Application

- The process control head is fitted for the controlling of pneumatically operated process valves. The design of the valve body eliminates dead space, a prerequisite for sterile process engineering. When working with high sterilisation temperatures this valve fulfils demands for operational security and reliable function. Used in dairies, food & beverage, pharmaceutical, and chemical industries.

Features

- Valve body made from solid bar
- No dead spaces
- Drainable when mounted in various positions
- High-grade inner surfaces
- No dome or sump in product space
- Change of seals without special tools
- Optimum cleanability
- Modular assembly system
- Low spare part costs
- Complete separation from the environment



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Materials

- Product wetted: 1.4404/AISI316L
- Optional: 1.4435/AISI316L
- No product contact: 1.4301/AISI304

Temperatures

Control Valve

- Maximum standard operating temperature: 130°C
- Sterilisation temperature: 150°C short time (approx. 20 mins) dependent upon operating conditions

Aseptic Version

- Maximum temperature: 121°C
- Sterilisation Temperature: 135°C short time (approx. 20 mins) dependent upon operating conditions

Surfaces

- Wetted product surfaces: Ra <= 0.8 µm (32), optional surfaces available
- No product contact: Ra <= 1.6 µm

Product Contact Seals

Control Valve

- O-rings & profile washer: EPDM (other materials upon request)

Aseptic Version

- Seals: bellows PTFE

Standard Operating Pressures

- Standard pressure: maximum 6 bar (87 PSI)
- Actuator air pressure: minimum 6 bar (87 PSI) - maximum 10 bar (145 PSI)
- Controlled air pressure: maximum 10 bar (145 PSI)

Product Contact Seals

- OD - tube (DIN 11866 C) weld optional connections on request

Mini Aseptic Sampling Valve

Application

- The Mini BioCheck sampling valves meet the requirement for minimal product contact surfaces. The mini valves allow minimal sampling quantities fulfilling the same valve features in material and design compared to the larger valves such as DN 10 (½").

Options

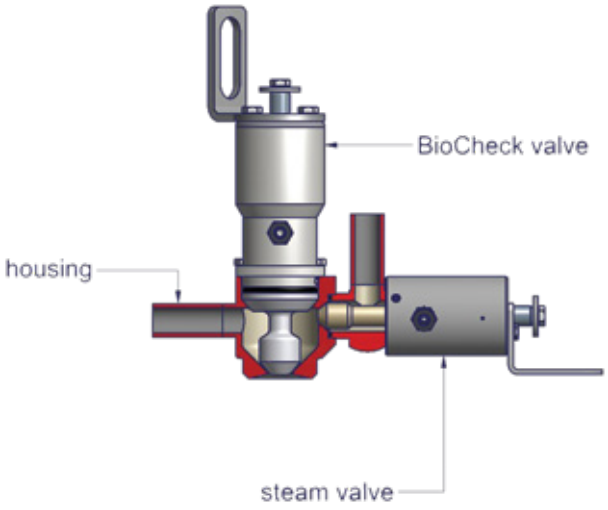
- Pipe, vessel, clamp connection (25mm or 34mm)
- 1 port for sampling
- 2 ports for CIP and/or SIP plus sampling
- DIN 6 (8 x 1mm pipe)
- DIN 8 (10 x 1mm pipe)
- Hand wheel
- Pneumatic (spring to close)
- Pneumatic and lever

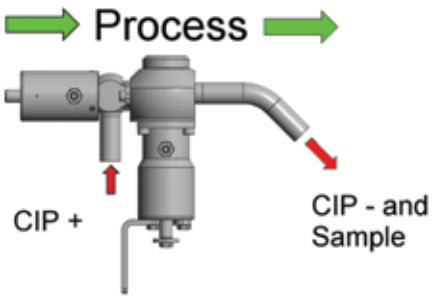
Part Numbers	Description
BCSV-11632	Rieger biocheck sampling valve DN6 sanitary 25.4 NC PTFE AISI316L 2 x BW weld points
BCSV-RK	Biocheck sampling valve service kit 1 x O-Ring silicon 1 x PTFE bellows

Product Group: VF10



BioCheck Combi Sampling Valves with Steam Valve





Part Number	Description
BCCV-73601	Biocheck combi sampling valve DN10 for tank NC PTFE/PEEK/AISI 316L

Product Group: VF10

RIEGER
NEUMO Ehrenberg Group

BSV Series 3A Sample Valves

Application

- The 3A sample valve allows easy and safe sampling of liquids from closed systems such as vessels and pipelines. These valves are located in the pharmaceutical, bio-pharmaceutical, biochemical, cosmetic, food, dairy, and beverage markets.

Features

- No dead spaces
- Drainable
- Connections suitable for orbital welding
- Available with single or dual ports
- Hermetically sealed against the environment
- Optimum cleanability
- Change of seals without special tools
- Long life of the PTFE bellows
- Options for Pneumatic Actuator: no lever, with self-closing lever and with lever for open position
- Manual actuator (hand wheel)
- Optional pneumatic actuator
- Tank weld and tube weld options available on request

Materials

- Product contact surfaces: 316L, 0.8µm Ra, optional surface finishes available
- No product contact: 304, 1.6µm Ra
- Product contact seals: PTFE bellows

Specifications

- Closaessure: maximum 116 PSI
- Hand wheel version operating pressure: minimum 87 PSI, maximum 232 PSI
- Controlled air pressure: maximum 145 PSI

Sizes

- 12mm to 100mm (½" to 4")



Single Port Actuated



Single Port



Dual Port

Clamp Valve Size		Weld Port Size		Part Numbers	
mm	inch	mm	inch	Single Port	Dual Port
12	½	6	¼	BSVS-HC050B025	BSVD-HC050B025
		10	⅜	BSVS-HC050B375	BSVD-HC050B375
		12	½	BSVS-HC050B050	BSVD-HC050B050
25	1	6	¼	BSVS-HC100B025	BSVD-HC100B025
		10	⅜	BSVS-HC100B375	BSVD-HC100B375
		12	½	BSVS-HC100B050	BSVD-HC100B050
38	1½	6	¼	BSVS-HC150B025	BSVD-HC150B025
		10	⅜	BSVS-HC150B375	BSVD-HC150B375
		12	½	BSVS-HC150B050	BSVD-HC150B050
50	2	6	¼	BSVS-HC200B025	BSVD-HC200B025
		10	⅜	BSVS-HC200B375	BSVD-HC200B375
		12	½	BSVS-HC200B050	BSVD-HC200B050
65	2½	6	¼	BSVS-HC250B025	BSVD-HC250B025
		10	⅜	BSVS-HC250B375	BSVD-HC250B375
		12	½	BSVS-HC250B050	BSVD-HC250B050
80	3	6	¼	BSVS-HC300B025	BSVD-HC300B025
		10	⅜	BSVS-HC300B375	BSVD-HC300B375
		12	½	BSVS-HC300B050	BSVD-HC300B050
100	4	6	¼	BSVS-HC400B025	BSVD-HC400B025
		10	⅜	BSVS-HC400B375	BSVD-HC400B375
		12	½	BSVS-HC400B050	BSVD-HC400B050

Product Group: VF10

Dixon™/Rieger Safety Valves

Application

- The safety valve prevents excess pressure of gaseous media in pipelines and vessels. The set pressure is always higher than the operating pressure. As soon as the pressure is reached, the valve opens against the force of the spring. The pressure excess is relieved as soon as the pressure is 10% higher than the set pressure.

Features

- The valve body is made from solid bar
- No dead spaces
- Drainable
- Connections suitable for orbital welding
- High-grade inner surfaces
- Change of seals without special tools
- Optimum cleanability
- No sump, no dome
- Low spare part costs
- Safety: closed spring cap
- Modular assembly systems
- Adjustable set pressure
- Passed the EC type examination (module B) according to directive 97/23/EG for steam and gas for the set ranges from 22 PSI to 116 PSI, for 25mm & 38mm (1" & 1½") from 29 PSI to 116 PSI
- 3A versions not available

Materials

- Product contact: 1.4404/AISI316L
- Optional: 1.4435/AISI316L
- No product contact: 1.4301/AISI304

Temperatures

- Maximum standard operating temperature: 130°C
- Sterilisation temperature: 150°C short time (approx. 20 mins)

Surfaces

- Wetted product surfaces: Ra <= 0.8 µm (32)
- No product contact: Ra <= 1.6 µm

Product Contact Seals

- O-rings: EPDM or FKM

Pressure

- Set pressure: 22 PSI to 116 PSI resp. 29 PSI to 116 PSI
- Controlled air pressure: min. 87 PSI max. 145 PSI

Connections

- Weld ends combined with concentrically reduced inch clamp ferrules



SOV Series Manual & Pneumatic Overflow Valve

Application

- Precise control and unparalleled safety with our versatile, dual-operation valves that open when the set pressure is reached, preventing excess pressure in piping or systems. Suitable for liquids, steam, and gas.

Features

- The valve body is made from solid bar
- No dead spaces
- Drainable when mounted in various positions
- High-grade inner surfaces
- Change of seals without special tools
- No sump, no dome
- Clamp union between the valve body and actuator
- Modular assembly system - easy change between hygienic and aseptic type
- Standard seals
- OD tube (DIN 11866 C)

Materials

- Product contact surfaces: 316L, 32Ra
- No product contact: 1.4301/AISI304
- Hygenic EPDM O-rings
- Aseptic PTFE bellows

Sizes

- 25mm to 80mm (1" to 3")

Specifications

- Maximum standard operating temperature EPDM: 130°C
- Maximum standard operating temperature PTFE: 121°C
- Sterilisation temperature EPDM: 149°C
- Sterilisation temperature PTFE: 135°C
- Possible set pressure for O-ring version: 8 PSI to 87 PSI, 22 PSI to 87 PSI
- PTFE bellows version pressure range depends on spring control air pressure: min. 87 PSI, max. 145 PSI



SPR Series Pressure Relief Valves

Application

- Experience unparalleled safety and reliability with our advanced, adjustable relief valves. Designed for diverse applications, these compact valves ensure system protection and stability. The SPR Series Pressure Relief Valves cater to a wide range of markets and industries, including but not limited to chemical processing, pharmaceuticals, water treatment, food and beverage, oil and gas, power generation, and HVAC systems.

Features

- The valve opens when the set pressure is reached to prevent excess pressure in piping or systems
- The valve body is made from solid bar
- Patented squeeze clamp
- Low spare part cost
- Various pressure ranges
- Standard connections clamp, others available on request

Materials

- Product contact surfaces: 316L, 32Ra, other surface finishes available
- No product contact: 304
- Product contact O-ring: EPDM or FKM

Specifications

- Actuation: manual
- Maximum standard operating temperature: 130°C
- Sterilisation temperature EPDM: 149°C
- Pressure ranges: 0-50 PSI, 50-100 PSI, 100-300 PSI



T Body



L Body

Size		Part Numbers	Body Style	Spring Set PSI Range
mm	inch			
38	1½	SPR-TCE1A150	T-Body	0-50
		SPR-TCE2A150		50-100
		SPR-TCE3A150		100-300
		SPR-LCE1A150	L-Body	0-50
		SPR-LCE2A150		50-100
		SPR-LCE3A150		100-300
50	2	SPR-TCE1A200	T-Body	0-50
		SPR-TCE2A200		50-100
		SPR-TCE3A200		100-300
		SPR-LCE1A200	L-Body	0-50
		SPR-LCE2A200		50-100
		SPR-LCE3A200		100-300

EPDM is standard. FKM available upon request.

Product Group: VF11

JZW Series Heli-Lobe Wine Pump

Application

- Enhance your wine-making process with our gentle, efficient, and hygienic pumping solution. Designed specifically for the wine industry, our innovative pump ensures optimal product integrity and quality where gentle treatment and pulsation-free pumping are required.

Features

- Heli-lobe rotors standard
- Stainless steel gearbox
- Lobes are rubber coated and therefore safe from galling from grape skins, seeds, and stems



- Front loading seal options:
  - TC vs TC
  - Single and double O-ring seals
  - Triple lip seal
  - Flush option available on all seal types
- Elastomers:
  - EPDM (standard) and FKM
- Rotors:
  - Heli-lobe rotors standard
- Connections:
  - Triclamp (standard), all others available
- Options:
  - Front cover pressure relief valve

Model	Liters/100 REV	Bar	Port Size (inch)	Maximum Speed RPM
ZW120	113.56	4	2	1000

Contact Dixon™ for Pump Trolley Configurations

RZL Series Rotary Lobe Pumps

Application

- Movement of products that are viscous or contain solids or where gentle treatment of a product is required. Used in food processing, dairy, pharmaceutical, beverage, brewing, wine, and personal care.

Features

- All wetted parts are 316L stainless steel
- Front loading seal options:
  - Single (standard) and double mechanical seals, TC vs. TC (standard)
  - Single and double O-ring seals
  - Triple lip seal
  - Flush option available on all seal types
- Rotors:
  - Bi-wing (standard)
  - Single wing
  - Bi-lobe
  - Tri-lobe
  - Multi-lobe
  - Heli-lobe
  - Spur gear
- Connections:
  - Clamp (standard), others available upon request

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EHEDG



Model	Liters/100 REV	Bar	Port Size (inch)	Maximum Speed RPM
RZL105	2.00	20	1	1000
RZL110	4.99	20	1	1000
RZL115	11.99	12	1½	800
RZL120	20.97	8	2	800
RZL220	40.92	12	2	700
RZL225	61.89	8	2½	700
RZL330	101.82	12	3	600
RZL340	143.76	8	4	600
RZL440	226.67	12	4	500
RZL450	333.49	8	5	500



Heli-Lobe Rotors

Features

- Pulsation-free heli-lobe rotors give the pump increased capacity through higher speed limits and increased suction capability through decreasing cavitation limits
- Double and triple heli-lobe rotors with front bearing covers are designed to pump up to 1097 litres/100 REV up to a maximum 30 bar



RZL Series Rotary Lobe Pump Options



Thermal Jacket Pumps

Designed for products that require temperature control such as sugars, chocolate, corn syrup, and brewer's yeast with easy attachment to pump front cover and/or casing



Rectangular Inlet

An enlarged rectangular inlet allows highly viscous products such as semi-solid pastes or mixtures containing semi-solid pieces to be pumped



Pressure Relief Valve

The pressure relief valve protects the system from pressure peaks or restrictions in the discharge, providing a pressure relief valve loop from discharge to the suction areas up to 10 bar



Ultra Clean Pumps

The fully self-draining pump head and external rotor fixing can eliminate any contaminations and internal crevices. Excellent for sterile pharmaceuticals, ultra-hygienic food processing, and aseptic manufacturing. Available in all sizes



High Pressure Pumps

High-pressure pumps have a front bearing cover to support shafts on front and back position. The well-balanced shaft design can handle pressures up to 30 bar without shaft deflection



Acculab

Specially designed for superior metering accuracy with multi-lobe rotors or spur gear rotors which allow minimum pulsation, precise volumetric dosing, and packaging, lab and pilot plants or manufacturing applications as well as general fluid transfer

RZP Series Circumferential Piston Pumps

Application

- The pump can be fitted with a variety of features and options to ensure the best performance will be achieved for your specific application. Food processing, dairy, beverage, pharmaceutical, personal care, and industrial markets.

Features

- All wetted parts are 316L stainless steel
- Front loading seal options:
  - Single (standard) and double mechanical seals, TC vs. TC (standard)
  - Single and double O-ring seals
  - Triple lip seal
  - Flush option available on all seal types
- Elastomers:
  - EPDM (standard) and FKM
- Rotors:
  - 316L bi-wing (standard)
- Connections:
  - Clamp (standard), others available upon request
- Options:
  - Rectangular inlet
  - Thermal heating jackets
  - Pressure relief valve cover
  - Universal series dimension base



Model	Liters/100 REV	Bar	Port Size (inch)	Maximum Speed RPM
RZP015	5.22	10	1½	800
RZP030	25.96	14	2	700
RZP060	73.96	17	2½	600
RZP130	117.99	10	3	600

ExD Series Sanitary Centrifugal Pumps

Application

- Used for high-efficiency non-viscous fluid transfer, bottling, and general transfer.

Features

- Available in 4 sizes
- Pump casing and front cover precision machined from solid bar
- Modular 2-piece adapter with interchangeable Nema motor flanges slotted adapter allows casing outlet to be rotated from 90° to 180° degrees without disassembly
- Modular stub shaft design with interchangeable Nema motor shaft sleeves
- Unique stub shaft leak chamber allows for immediate external identification of seal wear
- Mechanical seal components are inter-changeable with BC-series seals
- Compact and maintenance-friendly adapter guard set
- Efficient semi-open impeller design
- Seal type: single mechanical
- Finish: sanitary polish 0.8µm Ra
- Pump casing machined with external flats for easy casing drain addition
- Connections: clamp (standard)
- Nominal capacity: up to 113M³/hr
- Maximum head: 68m
- Nominal speed: up to 3000 RPM - 50Hz

Specifications

- Temperature: 0 to 100
- Motor: standard B5 face, 3000 RPM - 1500Hz
- Mounting: wet end mounted to a C-face motor
- Mounting options: adjustable legs or pump cart

Materials

- Product contact: 316L stainless steel and fully traceable
- No product contact: 304 stainless steel
- Stationary seal seat material: silicon carbide, ceramic, or tungsten carbide
- Rotary seal material: carbon or silicon carbide
- Elastomers: Nitrile Buna, EPDM, silicone, or FKM
- Optional leg kit: 304 stainless steel



JCP Series Centrifugal Pumps

Application

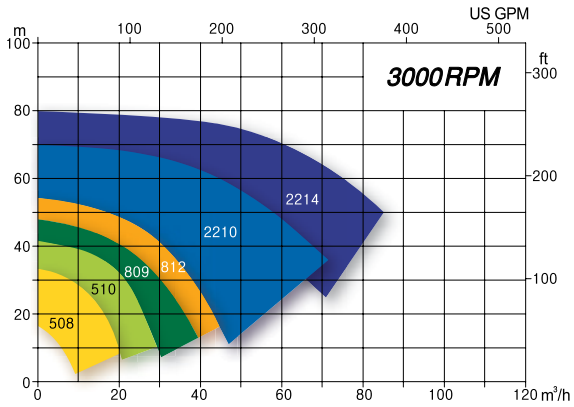
- Used for high-efficiency non-viscous fluid transfer, bottling, and general transfer.

Features

- All wetted parts are 316L-resistant stainless steel
- Totally cleanable CIP and SIP, meets EHEDG and 3A standard
- One size shaft seal for all pump sizes
- Unique front loading seal, no need to disconnect process pipework
- Single seal to flushed seal within minutes with just a few extra parts
- Elastomers:
  - EPDM (standard), FKM, and Kalrez®
- Connections:
  - RJT, clamp, and others available upon request
- Flows up to 100m³/hr and heads up to 100m
- Individual curves available



Performance Curves



BC Series Centrifugal Pumps

Application

- General duty non-viscous fluid transfer, wide open impeller also allows for some solids. Ideal winery pump that can also double for transfer.

Features

- Volute: 316L stainless steel
- Impeller: CF3M (316L) stainless steel
- Backplate: 316L stainless steel
- Stub Shaft: 316L stainless steel
- Adaptor: 304 stainless steel
- Optional Leg Kit: 304 stainless steel
- Seal Types: externally balanced DG with clamped-in seat
- Elastomers: Nitrile Buna, EPDM, silicone, and FKM
- Finish: sanitary polish 0.8µm Ra



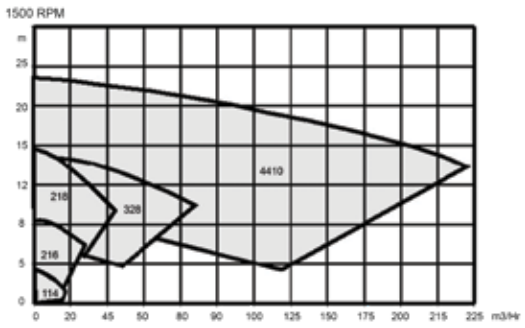
Specifications

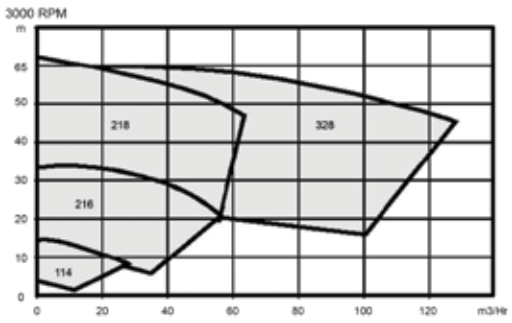
- Nominal capacity: up to 177m³/hr
- Temperature: 0°C to 100°C
- Nominal speed: up to 3000RPM - 50 Hz

Motors and Mounting

- Motor: standard B35 flange washdown, foot-mounted
- Additional motor types available upon request
- Mounting: pump head mounted to a B35 face motor

Family of Curves





JWP Series - Water for Injection

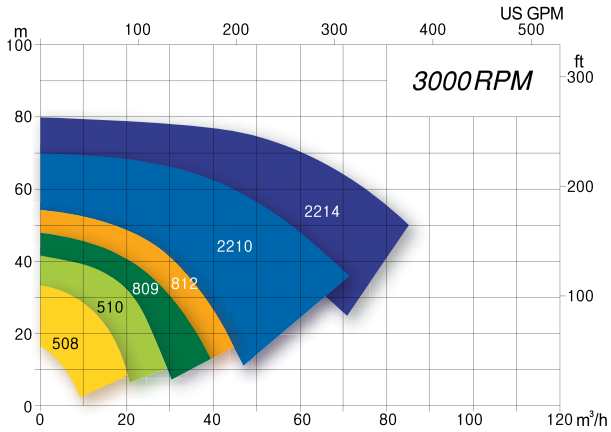
Application

- JWP series pumps are ideal for high purity, pyrogen fee fluid for pharmaceutical processes, and deionised water.

Features

- All internal surfaces are finished to 0.4µm Ra with electro-polish optional
- Fully drainable and cleanable for CIP and SIP so as to meet EHEDG and 3A standards
- The housing, cover, and impeller are investment cast and then precision machined
- Elastomers:
  - EPDM (standard), FKM, and Kalrez®
- Connections:
  - RJT, clamp, and others available upon request
- Options:
  - Several piping configurations optional. Auxillary flow control devices, including flow meter, thermometer, and check valve
- Flows up to 100m³/hr and heads up to 100m
- Individual curves available

Performance Curves



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JEPS Series Self-Priming Centrifugal Pump

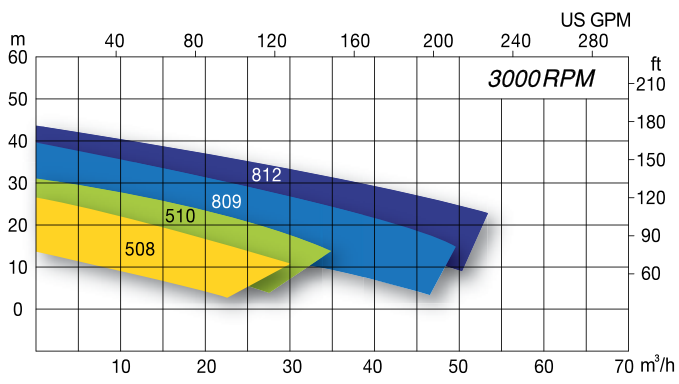
Application

- JEPS self-priming pumps are designed specifically for products containing air and gas that cannot be pumped by general centrifugal pumps.

Features

- Special airscrew generates a self-priming effect and optimises pump operation
- Lower noise levels and better power consumption than liquid ring pumps
- Housing, cover, and impeller are investment cast and then precision machined
- Elastomers:
  - EPDM (standard), FKM, and Kalrez®
- Connections:
  - RJT, clamp, and others available upon request
- Individual curves available

Performance Curves



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JSB Series Shear Blender

Application

- Designed to blend, emulsify, disperse, dissolve, and homogenise.

Features

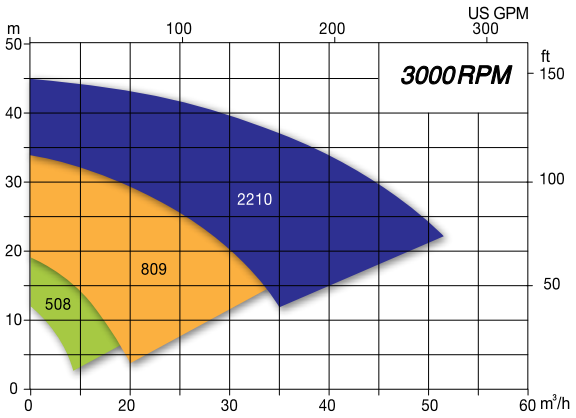
- Supremely efficient and rapid in operation. Can shorten the processing time by up to 90% when compared to conventional agitators or paddles
- All wetted parts are AISI 316 stainless steel
- Fully CIP capable
- Field changeable to standard JCP centrifugal pump with impeller change
- Elastomers:
  - EPDM (standard), FKM, and Kalrez®
- Connections:
  - RJT, clamp, and others available upon request
- Capacities up to 80m³/hr



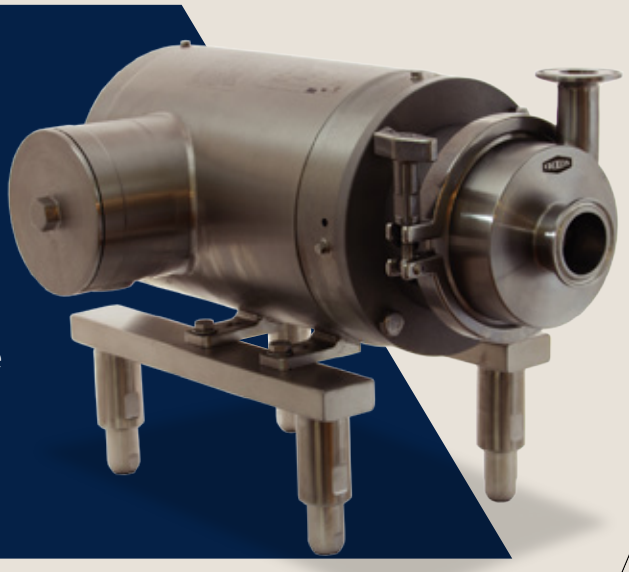
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EHEDG

Performance Curves



MB100 Series
Centrifugal Pump
Engineered for hygienic performance in food, beverage, dairy, winery, and brewery applications.



3

BioPharmaceutical Fittings (BPE) 408

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BioPharmaceutical Fittings (BPE)

Applications

- BioPharmaceutical fittings are used for the transport of liquid media in the biotechnology, cosmetic and pharmaceutical industries.

PL Finish - SF1

- OD = .812 - mechanically polished
- ID = .508 - mechanically polished

Mechanically Polished

- This is the process of smoothing a surface using mechanical tools and abrasives, performed in steps with progressively finer abrasives until the designed smoothness is achieved.

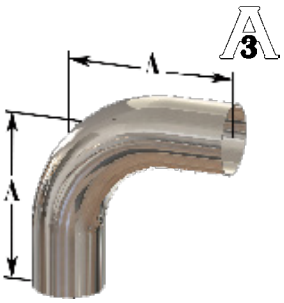
PM Finish - SF4

- OD = .812 - mechanically polished
- ID = .381 - mechanically & electropolished

Electropolished

- This is the electrochemical process that removes material from the metal, lowering the difference between the peaks, and valleys, and creating an extremely smooth, mirror-like surface. The part is immersed in an acid-based bath and subjected to a direct electrical current.

90° Weld Elbows

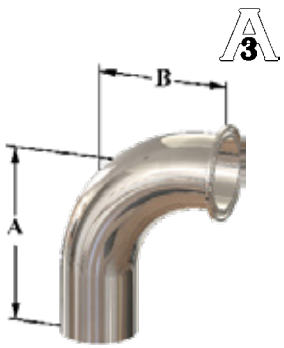


DT-4.1.1-1 (#DT-7)
ASME BPE 2019

Tube OD Size		Part Numbers		Dimension (A)
mm	inch	PL Finish - SF1	PM Finish - SF4	mm
12.7	½	T2S-050PL	T2S-050PM	76.2
19.05	¾	T2S-075PL	T2S-075PM	76.2
25.4	1	T2S-100PL	T2S-100PM	76.2
38.1	1½	T2S-150PL	T2S-150PM	95.3
50.8	2	T2S-200PL	T2S-200PM	120.7
63.5	2½	T2S-250PL	T2S-250PM	139.7
76.2	3	T2S-300PL	T2S-300PM	158.8
101.6	4	T2S-400PL	T2S-400PM	203.2
152.4	6	T2S-600PL	T2S-600PM	292.1

Product Group: AV14

90° Clamp x Weld Elbows



DT-4.1.1-2 (#DT-12)
ASME BPE 2019

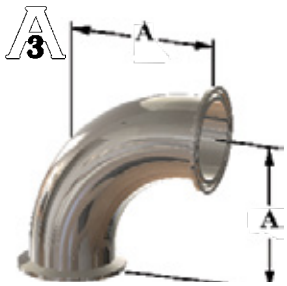
Tube OD Size		Part Numbers		Dimensions	
mm	inch	PL Finish - SF1	PM Finish - SF4	A (mm)	B (mm)
12.7	½	T2CM-050PL	T2CM-050PM	76.2	41.3
19.05	¾	T2CM-075PL	T2CM-075PM	76.2	41.3
25.4	1	T2CM-100PL	T2CM-100PM	76.2	50.8
38.1	1½	T2CM-150PL	T2CM-150PM	95.3	69.9
50.8	2	T2CM-200PL	T2CM-200PM	120.7	88.9
63.5	2½	T2CM-250PL	T2CM-250PM	139.7	108.0
76.2	3	T2CM-300PL	T2CM-300PM	158.8	127.0
101.6	4	T2CM-400PL	T2CM-400PM	203.2	168.3
152.4	6	T2CM-600PL	T2CM-600PM	292.1	266.7

Product Group: AV14

90° Clamp x Clamp Elbows

Tube OD Size		Part Numbers		Dimension (A)
mm	inch	PL Finish - SF1	PM Finish - SF4	mm
12.7	½	T2CMP-050PL	T2CMP-050PM	41.3
19.05	¾	T2CMP-075PL	T2CMP-075PM	41.3
25.4	1	T2CMP-100PL	T2CMP-100PM	50.8
38.1	1½	T2CMP-150PL	T2CMP-150PM	69.9
50.8	2	T2CMP-200PL	T2CMP-200PM	88.9
63.5	2½	T2CMP-250PL	T2CMP-250PM	108.0
76.2	3	T2CMP-300PL	T2CMP-300PM	127.0
101.6	4	T2CMP-400PL	T2CMP-400PM	168.3
152.4	6	T2CMP-600PL	T2CMP-600PM	266.7

Product Group: AV14

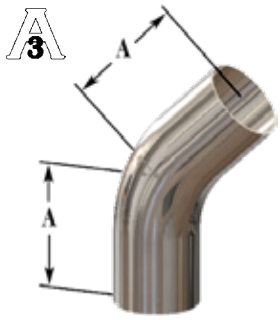


DT-4.1.1-3 (#DT-16)
ASME BPE 2019

45° Weld Elbows

Tube OD Size		Part Numbers		Dimension (A)
mm	inch	PL Finish - SF1	PM Finish - SF4	mm
12.7	½	T2KS-050PL	T2KS-050PM	57.2
19.05	¾	T2KS-075PL	T2KS-075PM	57.2
25.4	1	T2KS-100PL	T2KS-100PM	57.2
38.1	1½	T2KS-150PL	T2KS-150PM	63.5
50.8	2	T2KS-200PL	T2KS-200PM	76.2
63.5	2½	T2KS-250PL	T2KS-250PM	85.7
76.2	3	T2KS-300PL	T2KS-300PM	92.1
101.6	4	T2KS-400PL	T2KS-400PM	114.3
152.4	6	T2KS-600PL	T2KS-600PM	158.8

Product Group: AV14

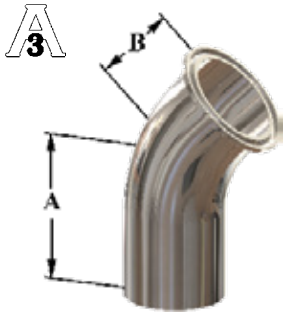


DT-4.1.1-4 (#DT-8)
ASME BPE 2019

45° Clamp x Weld Elbows

Tube OD Size		Part Numbers		Dimensions	
mm	inch	PL Finish - SF1	PM Finish - SF4	A (mm)	B (mm)
12.7	½	T2KM-050PL	T2KM-050PM	57.2	25.4
19.05	¾	T2KM-075PL	T2KM-075PM	57.2	25.4
25.4	1	T2KM-100PL	T2KM-100PM	57.2	28.6
38.1	1½	T2KM-150PL	T2KM-150PM	63.5	36.5
50.8	2	T2KM-200PL	T2KM-200PM	76.2	44.5
63.5	2½	T2KM-250PL	T2KM-250PM	85.7	52.4
76.2	3	T2KM-300PL	T2KM-300PM	92.1	60.3
101.6	4	T2KM-400PL	T2KM-400PM	114.3	79.4
152.4	6	T2KM-600PL	T2KM-600PM	158.8	133.4

Product Group: AV14



DT-4.1.1-5 (#DT-13)
ASME BPE 2019

45° Clamp x Clamp Elbows

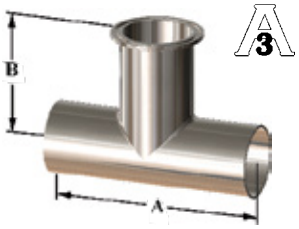


DT-4.1.1-6 (#DT-17)
ASME BPE 2019

Tube OD Size		Part Numbers		Dimension (A)
mm	inch	PL Finish - SF1	PM Finish - SF4	mm
12.7	½	T2KMP-050PL	T2KMP-050PM	25.4
19.05	¾	T2KMP-075PL	T2KMP-075PM	25.4
25.4	1	T2KMP-100PL	T2KMP-100PM	28.6
38.1	1½	T2KMP-150PL	T2KMP-150PM	36.5
50.8	2	T2KMP-200PL	T2KMP-200PM	44.5
63.5	2½	T2KMP-250PL	T2KMP-250PM	52.4
76.2	3	T2KMP-300PL	T2KMP-300PM	60.3
101.6	4	T2KMP-400PL	T2KMP-400PM	79.4
152.4	6	T2KMP-600PL	T2KMP-600PM	133.4

Product Group: AV14

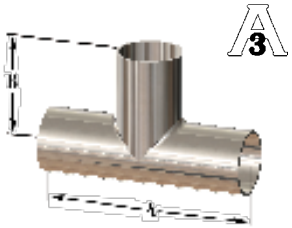
Weld x Weld x Clamp Tees



Tube OD Size		Part Numbers		Dimensions	
mm	inch	PL Finish - SF1	PM Finish - SF4	A (mm)	B (mm)
12.7	½	T7WWM-050PL	T7WWM-050PM	95.20	57.2
19.05	¾	T7WWM-075PL	T7WWM-075PM	101.6	60.325
25.4	1	T7WWM-100PL	T7WWM-100PM	108.0	66.675
38.1	1½	T7WWM-150PL	T7WWM-150PM	120.6	73.025
50.8	2	T7WWM-200PL	T7WWM-200PM	146.0	85.725
63.5	2½	T7WWM-250PL	T7WWM-250PM	158.8	92.075
76.2	3	T7WWM-300PL	T7WWM-300PM	171.4	98.42
101.6	4	T7WWM-400PL	T7WWM-400PM	209.6	120.65
152.4	6	T7WWM-600PL	T7WWM-600PM	285.8	180.975

Product Group: AV14

Weld x Weld x Weld Tees



DT-4.1.2-1 (#DT-9)
ASME BPE 2019

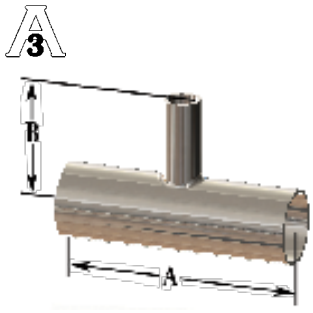
Tube OD Size		Part Numbers		Dimensions	
mm	inch	PL Finish - SF1	PM Finish - SF4	A (mm)	B (mm)
12.7	½	T7WWW-050PL	T7WWW-050PM	95.2	47.6
19.05	¾	T7WWW-075PL	T7WWW-075PM	101.6	50.8
25.4	1	T7WWW-100PL	T7WWW-100PM	108.0	54.0
38.1	1½	T7WWW-150PL	T7WWW-150PM	120.6	60.3
50.8	2	T7WWW-200PL	T7WWW-200PM	146.0	73.0
63.5	2½	T7WWW-250PL	T7WWW-250PM	158.8	79.4
76.2	3	T7WWW-300PL	T7WWW-300PM	171.4	85.7
101.6	4	T7WWW-400PL	T7WWW-400PM	209.6	104.8
152.4	6	T7WWW-600PL	T7WWW-600PM	285.8	142.9

Product Group: AV14

Weld x Weld x Weld Reducing Tees

Tube OD Size		Part Numbers		Dimensions	
mm	inch	PL Finish - SF1	PM Finish - SF4	A (mm)	B (mm)
19.05 x 12.7	¾ x ½	T7RWWW-075050PL	T7RWWW-075050PM	101.6	50.8
25.4 x 12.7	1 x ½	T7RWWW-100050PL	T7RWWW-100050PM	108.0	54
25.4 x 19.05	1 x ¾	T7RWWW-100075PL	T7RWWW-100075PM	108.0	54
38.1 x 12.7	1½ x ½	T7RWWW-150050PL	T7RWWW-150050PM	120.6	60.3
38.1 x 19.05	1½ x ¾	T7RWWW-150075PL	T7RWWW-150075PM	120.6	60.3
38.1 x 25.4	1½ x 1	T7RWWW-150100PL	T7RWWW-150100PM	120.6	60.3
50.8 x 12.7	2 x ½	T7RWWW-200050PL	T7RWWW-200050PM	146.0	66.7
50.8 x 19.05	2 x ¾	T7RWWW-200075PL	T7RWWW-200075PM	146.0	66.7
50.8 x 25.4	2 x 1	T7RWWW-200100PL	T7RWWW-200100PM	146.0	66.7
50.8 x 38.1	2 x 1½	T7RWWW-200150PL	T7RWWW-200150PM	146.0	66.7
63.5 x 19.05	2½ x ¾	T7RWWW-250075PL	T7RWWW-250075PM	158.8	73.0
63.5 x 25.4	2½ x 1	T7RWWW-250100PL	T7RWWW-250100PM	158.8	73.0
63.5 x 38.1	2½ x 1½	T7RWWW-250150PL	T7RWWW-250150PM	158.8	73.0
63.5 x 50.8	2½ x 2	T7RWWW-250200PL	T7RWWW-250200PM	158.8	73.0
76.2 x 12.7	3 x ½	T7RWWW-300075PL	T7RWWW-300050PM	171.4	79.4
76.2 x 19.05	3 x ¾	T7RWWW-300075PL	T7RWWW-300075PM	171.4	79.4
76.2 x 25.4	3 x 1	T7RWWW-300100PL	T7RWWW-300100PM	171.4	79.4
76.2 x 38.1	3 x 1½	T7RWWW-300150PL	T7RWWW-300150PM	171.4	79.4
76.2 x 50.8	3 x 2	T7RWWW-300500PL	T7RWWW-300500PM	171.4	79.4
76.2 x 63.5	3 x 2½	T7RWWW-300250PL	T7RWWW-300250PM	171.4	79.4
101.6 x 12.7	4 x ½	T7RWWW-400050PL	T7RWWW-400050PM	209.6	92.1
101.6 x 19.05	4 x ¾	T7RWWW-400075PL	T7RWWW-400075PM	209.6	92.1
101.6 x 25.4	4 x 1	T7RWWW-400100PL	T7RWWW-400100PM	209.6	92.1
101.6 x 38.1	4 x 1½	T7RWWW-400150PL	T7RWWW-400150PM	209.6	92.1
101.6 x 50.8	4 x 2	T7RWWW-400200PL	T7RWWW-400200PM	209.6	98.4
101.6 x 63.5	4 x 2½	T7RWWW-400250PL	T7RWWW-400250PM	209.6	98.4
101.6x 76.2	4 x 3	T7RWWW-400300PL	T7RWWW-400300PM	209.6	98.4
152.4 x 76.2	6 x 3	T7RWWW-600300PL	T7RWWW-600300PM	285.8	123.8
152.4 x 101.6	6 x 4	T7RWWW-600400PL	T7RWWW-600400PM	285.8	130.2

Product Group: AV14

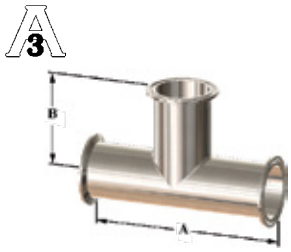


DT-4.1.2-6 (#DT-10)
ASME BPE 2019

Clamp x Clamp x Clamp Tees

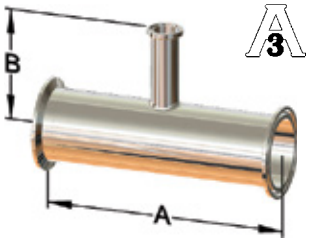
Tube OD Size		Part Numbers		Dimensions	
mm	inch	PL Finish - SF1	PM Finish - SF4	A (mm)	B (mm)
12.7	½	T7MP-050PL	T7MP-050PM	120.6	60.3
19.05	¾	T7MP-075PL	T7MP-075PM	127.0	63.5
25.4	1	T7MP-100PL	T7MP-100PM	133.4	66.7
38.1	1½	T7MP-150PL	T7MP-150PM	146.0	73.0
50.8	2	T7MP-200PL	T7MP-200PM	171.4	85.7
63.5	2½	T7MP-250PL	T7MP-250PM	184.2	92.1
76.2	3	T7MP-300PL	T7MP-300PM	196.8	98.4
101.6	4	T7MP-400PL	T7MP-400PM	241.4	120.7
152.4	6	T7MP-600PL	T7MP-600PM	362.0	181.0

Product Group: AV14



DT-4.1.2-4 (#DT-18)
ASME BPE 2019

Clamp x Clamp x Clamp Reducing Tees

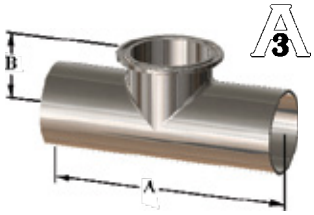


DT-4.1.2-8 (#DT-19)
ASME BPE 2019

Tube OD Size		Part Numbers		Dimensions	
mm	inch	PL Finish - SF1	PM Finish - SF4	A (mm)	B (mm)
19.05 x 12.7	¾ x ½	T7RMP-075050PL	T7RMP-075050PM	127.0	63.5
25.4 x 12.7	1 x ½	T7RMP-100050PL	T7RMP-100050PM	133.4	66.7
25.4 x 19.05	1 x ¾	T7RMP-100075PL	T7RMP-100075PM	133.4	66.7
38.1 x 12.7	1½ x ½	T7RMP-150050PL	T7RMP-150050PM	146.0	73.0
38.1 x 19.05	1½ x ¾	T7RMP-150075PL	T7RMP-150075PM	146.0	73.0
38.1 x 25.4	1½ x 1	T7RMP-150100PL	T7RMP-150100PM	146.0	73.0
50.8 x 12.7	2 x ½	T7RMP-200050PL	T7RMP-200050PM	171.4	79.4
50.8 x 19.05	2 x ¾	T7RMP-200075PL	T7RMP-200075PM	171.4	79.4
50.8 x 25.4	2 x 1	T7RMP-200100PL	T7RMP-200100PM	171.4	79.4
50.8 x 38.1	2 x 1½	T7RMP-200150PL	T7RMP-200150PM	171.4	79.4
63.5 x 19.05	2½ x ¾	T7RMP-250075PL	T7RMP--250075PM	184.2	85.7
63.5 x 25.4	2½ x 1	T7RMP-250100PL	T7RMP-250100PM	184.2	85.7
63.5 x 38.1	2½ x 1½	T7RMP-250150PL	T7RMP-250150PM	184.2	85.7
63.5 x 50.8	2½ x 2	T7RMP-250200PL	T7RMP-250200PM	184.2	85.7
76.2 x 12.7	3 x ½	T7RMP-300075PL	T7RMP-300050PM	196.8	92.1
76.2 x 19.05	3 x ¾	T7RMP-300075PL	T7RMP-300075PM	196.8	92.1
76.2 x 25.4	3 x 1	T7RMP-300100PL	T7RMP-300100PM	196.8	92.1
76.2 x 38.1	3 x 1½	T7RMP-300150PL	T7RMP-300150PM	196.8	92.1
76.2 x 50.8	3 x 2	T7RMP-300500PL	T7RMP-300500PM	196.8	92.1
76.2 x 63.5	3 x 2½	T7RMP-300250PL	T7RMP-300250PM	196.8	92.1
101.6 x 12.7	4 x ½	T7RMP-400050PL	T7RMP-400050PM	241.4	104.8
101.6 x 19.05	4 x ¾	T7RMP-400075PL	T7RMP-400075PM	241.4	104.8
101.6 x 25.4	4 x 1	T7RMP-400100PL	T7RMP-400100PM	241.4	104.8
101.6 x 38.1	4 x 1½	T7RMP-400150PL	T7RMP-400150PM	241.4	104.8
101.6 x 50.8	4 x 2	T7RMP-400200PL	T7RMP-400200PM	241.4	111.1
101.6 x 63.5	4 x 2½	T7RMP-400250PL	T7RMP-400250PM	241.4	111.1
101.6x 76.2	4 x 3	T7RMP-400300PL	T7RMP-400300PM	241.4	111.1
152.4 x 76.2	6 x 3	T7RMP-600300PL	T7RMP-600300PM	362.0	136.5
152.4 x 101.6	6 x 4	T7RMP-600400PL	T7RMP-600400PM	362.0	146.1

Product Group: AV14

Weld x Weld x Clamp Short Outlet Tees



DT-4.1.2-2 (#DT-15)
ASME BPE 2019

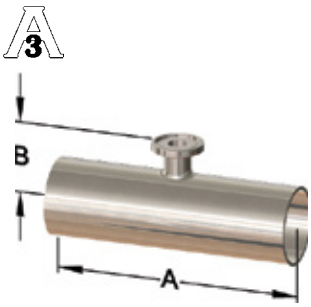
Tube OD Size		Part Numbers		Dimensions	
mm	inch	PL Finish - SF1	PM Finish - SF4	A (mm)	B (mm)
12.7	½	T7WWMS-050PL	T7WWMS-050PM	95.2	25.4
19.05	¾	T7WWMS-075PL	T7WWMS-075PM	101.6	28.6
25.4	1	T7WWMS-100PL	T7WWMS-100PM	108.0	28.6
38.1	1½	T7WWMS-150PL	T7WWMS-150PM	120.6	34.9
50.8	2	T7WWMS-200PL	T7WWMS-200PM	146.0	41.3
63.5	2½	T7WWMS-250PL	T7WWMS-250PM	158.8	47.6
76.2	3	T7WWMS-300PL	T7WWMS-300PM	171.4	54.0
101.6	4	T7WWMS-400PL	T7WWMS-400PM	209.6	69.9
152.4	6	T7WWMS-600PL	T7WWMS-600PM	285.8	117.5

Product Group: AV14

Weld x Weld x Clamp Short Outlet Reducing Tees

Tube OD Size		Part Numbers		Dimensions	
mm	inch	PL Finish - SF1	PM Finish - SF4	A (mm)	B (mm)
19.05 x 12.7	¾ x ½	T7RWWMS-075050PL	T7RWWMS-075050PM	101.6	25.4
25.4 x 12.7	1 x ½	T7RWWMS-100050PL	T7RWWMS-100050PM	108.0	28.6
25.4 x 19.05	1 x ¾	T7RWWMS-100075PL	T7RWWMS-100075PM	108.0	28.6
38.1 x 12.7	1½ x ½	T7RWWMS-150050PL	T7RWWMS-150050PM	120.6	34.9
38.1 x 19.05	1½ x ¾	T7RWWMS-150075PL	T7RWWMS-150075PM	120.6	34.9
38.1 x 25.4	1½ x 1	T7RWWMS-150100PL	T7RWWMS-150100PM	120.6	34.9
50.8 x 12.7	2 x ½	T7RWWMS-200050PL	T7RWWMS-200050PM	146.0	41.3
50.8 x 19.05	2 x ¾	T7RWWMS-200075PL	T7RWWMS-200075PM	146.0	41.3
50.8 x 25.4	2 x 1	T7RWWMS-200100PL	T7RWWMS-200100PM	146.0	41.3
50.8 x 38.1	2 x 1½	T7RWWMS-200150PL	T7RWWMS-200150PM	146.0	41.3
63.5 x 19.05	2½ x ¾	T7RWWMS-250075PL	T7RWWMS-250075PM	158.8	47.6
63.5 x 25.4	2½ x 1	T7RWWMS-250100PL	T7RWWMS-250100PM	158.8	47.6
63.5 x 38.1	2½ x 1½	T7RWWMS-250150PL	T7RWWMS-250150PM	158.8	47.6
63.5 x 50.8	2½ x 2	T7RWWMS-250200PL	T7RWWMS-250200PM	158.8	47.6
76.2 x 12.7	3 x ½	T7RWWMS-300050PL	T7RWWMS-300050PM	171.4	54.0
76.2 x 19.05	3 x ¾	T7RWWMS-300075PL	T7RWWMS-300075PM	171.4	54.0
76.2 x 25.4	3 x 1	T7RWWMS-300100PL	T7RWWMS-300100PM	171.4	54.0
76.2 x 38.1	3 x 1½	T7RWWMS-300150PL	T7RWWMS-300150PM	171.4	54.0
76.2 x 50.8	3 x 2	T7RWWMS-300200PL	T7RWWMS-300200PM	171.4	54.0
76.2 x 63.5	3 x 2½	T7RWWMS-300250PL	T7RWWMS-300250PM	171.4	54.0
101.6 x 12.7	4 x ½	T7RWWMS-400050PL	T7RWWMS-400050PM	209.6	66.7
101.6 x 19.05	4 x ¾	T7RWWMS-400075PL	T7RWWMS-400075PM	209.6	66.7
101.6 x 25.4	4 x 1	T7RWWMS-400100PL	T7RWWMS-400100PM	209.6	66.7
101.6 x 38.1	4 x 1½	T7RWWMS-400150PL	T7RWWMS-400150PM	209.6	66.7
101.6 x 50.8	4 x 2	T7RWWMS-400200PL	T7RWWMS-400200PM	209.6	66.7
101.6 x 63.5	4 x 2½	T7RWWMS-400250PL	T7RWWMS-400250PM	209.6	66.7
101.6x 76.2	4 x 3	T7RWWMS-400300PL	T7RWWMS-400300PM	209.6	66.7
152.4 x 76.2	6 x 3	T7RWWMS-600300PL	T7RWWMS-600300PM	285.8	92.1
152.4 x 101.6	6 x 4	T7RWWMS-600400PL	T7RWWMS-600400PM	285.8	95.3

Product Group: AV14

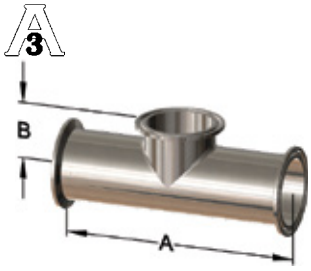


DT-4.1.2-7 (#DT-14)
ASME BPE 2019

Clamp x Clamp x Clamp Short Outlet Tees

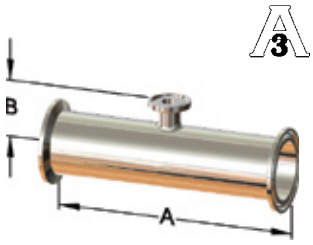
Tube OD Size		Part Numbers		Dimensions	
mm	inch	PL Finish - SF1	PM Finish - SF4	A (mm)	B (mm)
12.7	½	T7MPS-050PL	T7MPS-050PM	120.6	25.4
19.05	¾	T7MPS-075PL	T7MPS-075PM	127.0	28.6
25.4	1	T7MPS-100PL	T7MPS-100PM	133.4	28.6
38.1	1½	T7MPS-150PL	T7MPS-150PM	146.0	34.9
50.8	2	T7MPS-200PL	T7MPS-200PM	171.4	41.3
63.5	2½	T7MPS-250PL	T7MPS-250PM	184.2	47.6
76.2	3	T7MPS-300PL	T7MPS-300PM	196.8	54.0
101.6	4	T7MPS-400PL	T7MPS-400PM	241.4	69.9
152.4	6	T7MPS-600PL	T7MPS-600PM	362.0	117.5

Product Group: AV14



DT-4.1.2-5 (#DT-27)
ASME BPE 2019

Clamp x Clamp x Clamp Short Outlet Reducing Tees

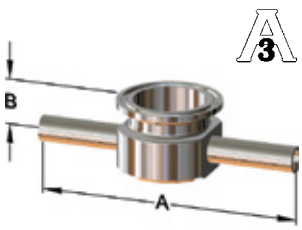


DT-4.1.2-9 (#DT-20)
ASME BPE 2019

Tube OD Size		Part Numbers		Dimensions	
mm	inch	PL Finish - SF1	PM Finish - SF4	A (mm)	B (mm)
19.05 x 12.7	¾ x ½	T7RMPS-075050PL	T7RMPS-075050PM	127.0	25.4
25.4 x 12.7	1 x ½	T7RMPS-100050PL	T7RMPS-100050PM	133.4	28.6
25.4 x 19.05	1 x ¾	T7RMPS-100075PL	T7RMPS-100075PM	133.4	28.6
38.1 x 12.7	1½ x ½	T7RMPS-150050PL	T7RMPS-150050PM	146.0	34.9
38.1 x 19.05	1½ x ¾	T7RMPS-150075PL	T7RMPS-150075PM	146.0	34.9
38.1 x 25.4	1½ x 1	T7RMPS-150100P	T7RMPS-150100PM	146.0	34.9
50.8 x 12.7	2 x ½	T7RMPS-200050PL	T7RMPS-200050PM	171.4	41.3
50.8 x 19.05	2 x ¾	T7RMPS-200075PL	T7RMPS-200075PM	171.4	41.3
50.8 x 25.4	2 x 1	T7RMPS-200100PL	T7RMPS-200100PM	171.4	41.3
50.8 x 38.1	2 x 1½	T7RMPS-200150PL	T7RMPS-200150PM	171.4	41.3
63.5 x 19.05	2½ x ¾	T7RMPS-250075PL	T7RMPS-250075PM	184.2	47.6
63.5 x 25.4	2½ x 1	T7RMPS-250100PL	T7RMPS-250100PM	184.2	47.6
63.5 x 38.1	2½ x 1½	T7RMPS-250150PL	T7RMPS-250150PM	184.2	47.6
63.5 x 50.8	2½ x 2	T7RMPS-250200PL	T7RMPS-250200PM	184.2	47.6
76.2 x 12.7	3 x ½	T7RMPS-300050PL	T7RMPS-300050PM	196.8	54.0
76.2 x 19.05	3 x ¾	T7RMPS-300075PL	T7RMPS-300075PM	196.8	54.0
76.2 x 25.4	3 x 1	T7RMPS-300100PL	T7RMPS-300100PM	196.8	54.0
76.2 x 38.1	3 x 1½	T7RMPS-300150PL	T7RMPS-300150PM	196.8	54.0
76.2 x 50.8	3 x 2	T7RMPS-300200PL	T7RMPS-300200PM	196.8	54.0
76.2 x 63.5	3 x 2½	T7RMPS-300250PL	T7RMPS-300250PM	196.8	54.0
101.6 x 12.7	4 x ½	T7RMPS-400050PL	T7RMPS-400050PM	241.4	66.7
101.6 x 19.05	4 x ¾	T7RMPS-400075PL	T7RMPS-400075PM	241.4	66.7
101.6 x 25.4	4 x 1	T7RMPS-400100PL	T7RMPS-400100PM	241.4	66.7
101.6 x 38.1	4 x 1½	T7RMPS-400150PL	T7RMPS-400150PM	241.4	66.7
101.6 x 50.8	4 x 2	T7RMPS-400200PL	T7RMPS-400200PM	241.4	66.7
101.6 x 63.5	4 x 2½	T7RMPS-400250PL	T7RMPS-400250PM	241.4	66.7
101.6x 76.2	4 x 3	T7RMPS-400300PL	T7RMPS-400300PM	241.4	66.7
152.4 x 76.2	6 x 3	T7RMPS-600300PL	T7RMPS-600300PM	362.0	92.1
152.4 x 101.6	6 x 4	T7RMPS-600400PL	T7RMPS-600400PM	362.0	95.3

Product Group: AV14

Weld x Weld x Clamp Instrument Tees



DT-4.1.2-10 (#DT-28)
ASME BPE 2019

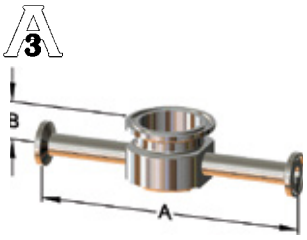
Tube OD Size		Part Numbers		Dimensions	
mm	inch	PL Finish - SF1	PM Finish - SF4	A (mm)	B (mm)
12.7 x 38.1	½ x 1½	T7IWWMS050150PL	T7IWWMS050150PM	127.0	22.2
19.05 x 38.1	¾ x 1½	T7IWWMS075150PL	T7IWWMS075150PM	127.0	25.4
25.4 x 38.1	1 x 1½	T7IWWMS100150PL	T7IWWMS100150PM	127.0	28.6
12.7 x 50.8	½ x 2	T7IWWMS050200PL	T7IWWMS050200PM	139.8	25.4
19.05 x 50.8	¾ x 2	T7IWWMS075200PL	T7IWWMS075200PM	139.8	28.6
25.4 x 50.8	1 x 2	T7IWWMS100200PL	T7IWWMS100200PM	139.8	31.8
38 .1x 50.8	1½ x 2	T7IWWMS150200PL	T7IWWMS150200PM	139.8	38.1

Product Group: AV14

Clamp x Clamp x Clamp Instrument Tees

Tube OD Size		Part Numbers		Dimensions	
mm	inch	PL Finish - SF1	PM Finish - SF4	A (mm)	B (mm)
12.7 x 38.1	½ x 1½	T7IMPS-050150PL	T7IMPS-050150PM	152.4	22.2
19.05 x 38.1	¾ x 1½	T7IMPS-075150PL	T7IMPS-075150PM	152.4	25.4
25.4 x 38.1	1 x 1½	T7IMPS-100150PL	T7IMPS-100150PM	152.4	28.6
12.7 x 50.8	½ x 2	T7IMPS-050200PL	T7IMPS-050200PM	165.2	25.4
19.05 x 50.8	¾ x 2	T7IMPS-075200PL	T7IMPS-075200PM	165.2	28.6
25.4 x 50.8	1 x 2	T7IMPS-100200PL	T7IMPS-100200PM	165.2	31.8
38.1 x 50.8	1½ x 2	T7IMPS-150200PL	T7IMPS-150200PM	165.2	38.1

Product Group: AV14



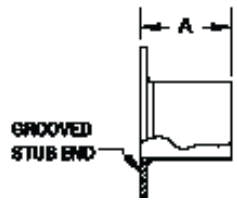
DT-4.1.211 (#DT-29)
ASME BPE 2019

Stub Adaptors

Tube OD Size		Part Numbers	Dimension (A)
mm	inch	PL Finish - SF1	mm
12.7	½	T14VB-050PL	50.8
19.05	¾	T14VB-075PL	50.8
25.4	1	T14VB-100PL	50.8
38.1	1½	T14VB-150PL	50.8
50.8	2	T14VB-200PL	63.5
63.5	2½	T14VB-250PL	63.5
76.2	3	T14VB-300PL	63.5
101.6	4	T14VB-400PL	63.5
152.4	6	T14VB-600PL	76.2

Product Group: AV14



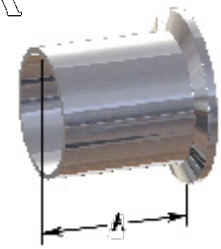


Automatic Weld Ferrules

Tube OD Size		Part Numbers		Dimension (A)
mm	inch	PL Finish - SF1	PM Finish - SF4	mm
12.7	½	TL14AM7-050PL	TL14AM7-050PM	44.45
19.05	¾	TL14AM7-075PL	TL14AM7-075PM	44.45
25.4	1	TL14AM7-100PL	TL14AM7-100PM	44.45
38.1	1½	TL14AM7-150PL	TL14AM7-150PM	44.45
50.8	2	TL14AM7-200PL	TL14AM7-200PM	57.15
63.5	2½	TL14AM7-250PL	TL14AM7-250PM	57.15
76.2	3	TL14AM7-300PL	TL14AM7-300PM	57.15
101.6	4	TL14AM7-400PL	TL14AM7-400PM	57.15
152.4	6	TL14AM7-600PL	TL14AM7-600PM	76.20

• Short and medium (Type A & B) also available

Product Group: AV14

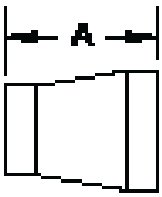


DT-4.1.4-1 (#DT-22)
ASME BPE 2019

Weld x Weld Concentric Reducers



(#DT-4.1.3-1)
ASME BPE 2019



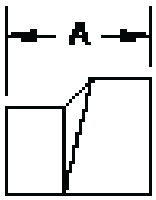
Tube OD Size		Part Numbers		Dimension (A)
mm	inch	PL Finish - SF1	PM Finish - SF4	mm
19.05 x 12.7	¾ x ½	2211CBB075050F1	2211CBB075050F4	54.1
25.4 x 12.7	1 x ½	2211CBB100050F1	2211CBB100050F4	63.5
25.4 x 19.05	1 x ¾	2211CBB100075F1	2211CBB100075F4	54.1
38.1 x 19.05	1½ x ¾	2211CBB150075F1	2211CBB150075F4	76.2
38.1 x 25.4	1½ x 1	2211CBB150100F1	2211CBB150100F4	63.5
50.8 x 25.4	2 x 1	2211CBB200100F1	2211CBB200100F4	85.85
50.8 x 38.1	2 x 1½	2211CBB200150F1	2211CBB200150F4	63.5
63.5 x 38.1	2½ x 1½	2211CBB250150F1	2211CBB250150F4	85.85
63.5 x 50.8	2½ x 2	2211CBB250200F1	2211CBB250200F4	63.5
76.2 x 38.1	3 x 1½	2211CBB300150F1	2211CBB300150F4	107.95
76.2 x 50.8	3 x 2	2211CBB300200F1	2211CBB300200F4	85.85
76.2 x 63.5	3 x 2½	2211CBB300250F1	2211CBB300250F4	66.8
101.6 x 50.8	4 x 2	2211CBB400200F1	2211CBB400200F4	130.3
101.6 x 63.5	4 x 2½	2211CBB400250F1	2211CBB400250F4	107.95
101.6 x 76.2	4 x 3	2211CBB400300F1	2211CBB400300F4	98.55
152.4 x 76.2	6 x 3	2211CBB600300F1	2211CBB600300F4	184.15
152.4 x 101.6	6 x 4	2211CBB600400F1	2211CBB600400F4	143

Product Group: AV14

Weld x Weld Eccentric Reducers



(#DT-4.1.3-1)
ASME BPE 2019



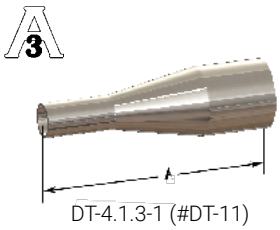
Tube OD Size		Part Numbers		Dimension (A)
mm	inch	PL Finish - SF1	PM Finish - SF4	mm
19.05 x 12.7	¾ x ½	2211EBB075050F1	2211EBB075050F4	54.1
25.4 x 12.7	1 x ½	2211EBB100050F1	2211EBB100050F4	63.5
25.4 x 19.05	1 x ¾	2211EBB100075F1	2211EBB100075F4	54.1
38.1 x 19.05	1½ x ¾	2211EBB150075F1	2211EBB150075F4	76.2
38.1 x 25.4	1½ x 1	2211EBB150100F1	2211EBB150100F4	63.5
50.8 x 25.4	2 x 1	2211EBB200100F1	2211EBB200100F4	85.85
50.8 x 38.1	2 x 1½	2211EBB200150F1	2211EBB200150F4	63.5
63.5 x 38.1	2½ x 1½	2211EBB250150F1	2211EBB250150F4	85.85
63.5 x 50.8	2½ x 2	2211EBB250200F1	2211EBB250200F4	63.5
76.2 x 38.1	3 x 1½	2211EBB300150F1	2211EBB300150F4	107.95
76.2 x 50.8	3 x 2	2211EBB300200F1	2211EBB300200F4	85.85
76.2 x 63.5	3 x 2½	2211EBB300250F1	2211EBB300250F4	66.8
101.6 x 50.8	4 x 2	2211EBB400200F1	2211EBB400200F4	130.3
101.6 x 63.5	4 x 2½	2211EBB400250F1	2211EBB400250F4	107.95
101.6 x 76.2	4 x 3	2211EBB400300F1	2211EBB400300F4	98.55
152.4 x 76.2	6 x 3	2211EBB600300F1	2211EBB600300F4	184.15
152.4 x 101.6	6 x 4	2211EBB600400F1	2211EBB600400F4	143

Product Group: AV14

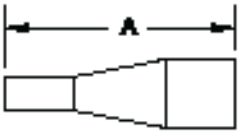
Weld x Weld Concentric Reducers

Tube OD Size		Part Numbers		Dimension (A)
mm	inch	PL Finish - SF1	PM Finish - SF4	mm
19.05 x 12.7	¾ x ½	T31W-075050PL	T31W-075050PM	101.60
25.4 x 12.7	1 x ½	T31W-100050PL	T31W-100050PM	114.30
25.4 x 19.05	1 x ¾	T31W-100075PL	T31W-100075PM	101.60
38.1 x 12.7	1½ x ½	T31W-150050PL	T31W-150050PM	139.70
38.1 x 19.05	1½ x ¾	T31W-150075PL	T31W-150075PM	127.00
38.1 x 25.4	1½ x 1	T31W-150100PL	T31W-150100PM	127.00
50.8 x 12.7	2 x ½	T31W-200050PL	T31W-200050PM	196.85
50.8 x 19.05	2 x ¾	T31W-200075PL	T31W-200075PM	184.15
50.8 x 25.4	2 x 1	T31W-200100PL	T31W-200100PM	184.15
50.8 x 38.1	2 x 1½	T31W-200150PL	T31W-200150PM	133.35
63.5 x 12.7	2½ x ½	T31W-250050PL	T31W-25050PM	247.65
63.5 x 19.05	2½ x ¾	T31W-250075PL	T31W-250075PM	234.95
63.5 x 25.4	2½ x 1	T31W-250100PL	T31W-250100PM	234.95
63.5 x 38.1	2½ x 1½	T31W-250150PL	T31W-250150PM	184.15
63.5 x 50.8	2½ x 2	T31W-250200PL	T31W-250200PM	139.70
76.2 x 25.4	3 x 1	T31W-300100PL	T31W-300100PM	184.15
76.2 x 38.1	3 x 1½	T31W-300150PL	T31W-300150PM	139.70
76.2 x 50.8	3 x 2	T31W-300200PL	T31W-300200PM	285.75
76.2 x 63.5	3 x 2½	T31W-300250PL	T31W-300250PM	234.95
101.6 x 12.7	4 x ½	T31W-400050PL	T31W-400050PM	190.50
101.6 x 19.05	4 x ¾	T31W-400075PL	T31W-400075PM	139.70
101.6 x 25.4	4 x 1	T31W-400100PL	T31W-400100PM	393.70
101.6 x 38.1	4 x 1½	T31W-400150PL	T31W-400150PM	342.90
101.6 x 50.8	4 x 2	T31W-400200PL	T31W-400200PM	298.45
101.6 x 63.5	4 x 2½	T31W-400250PL	T31W-400250PM	247.65
101.6 x 76.2	4 x 3	T31W-400300PL	T31W-400300PM	196.85
152.4 x 76.2	6 x 3	T31W-600300PL	T31W-600300PM	254.00
152.4 x 101.6	6 x 4	T31W-600400PL	T31W-600400PM	254.00

Product Group: AV14



DT-4.1.3-1 (#DT-11)
ASME BPE 2012

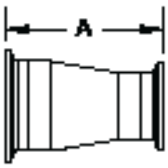




Clamp x Clamp Concentric Reducers



(#DT-4.1.3-3)
ASME BPE 2019



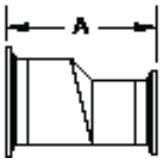
Tube OD Size		Part Numbers		Dimension (A)
mm	inch	PL Finish - SF1	PM Finish - SF4	mm
19.05 x 12.7	¾ x ½	2221CBB075050F1	2221CBB075050F4	54.1
25.4 x 12.7	1 x ½	2221CBB100050F1	2221CBB100050F4	63.5
25.4 x 19.05	1 x ¾	2221CBB100075F1	2221CBB100075F4	54.1
38.1 x 19.05	1½ x ¾	2221CBB150075F1	2221CBB150075F4	76.2
38.1 x 25.4	1½ x 1	2221CBB150100F1	2221CBB150100F4	63.5
50.8 x 25.4	2 x 1	2221CBB200100F1	2221CBB200100F4	85.85
50.8 x 38.1	2 x 1½	2221CBB200150F1	2221CBB200150F4	63.5
63.5 x 38.1	2½ x 1½	2221CBB250150F1	2221CBB250150F4	85.85
63.5 x 50.8	2½ x 2	2221CBB250200F1	2221CBB250200F4	63.5
76.2 x 38.1	3 x 1½	2221CBB300150F1	2221CBB300150F4	107.95
76.2 x 50.8	3 x 2	2221CBB300200F1	2221CBB300200F4	85.85
76.2 x 63.5	3 x 2½	2221CBB300250F1	2221CBB300250F4	66.8
101.6 x 50.8	4 x 2	2221CBB400200F1	2221CBB400200F4	130.3
101.6 x 63.5	4 x 2½	2221CBB400250F1	2221CBB400250F4	107.95
101.6 x 76.2	4 x 3	2221CBB400300F1	2221CBB400300F4	98.55
152.4 x 76.2	6 x 3	2221CBB600300F1	2221CBB600300F4	184.15
152.4 x 101.6	6 x 4	2221CBB600400F1	2221CBB600400F4	143

Product Group: AV14

Clamp x Clamp Eccentric Reducers



(#DT-4.1.3-3)
ASME BPE 2019



Tube OD Size		Part Numbers		Dimension (A)
mm	inch	PL Finish - SF4	PM Finish - SF4	mm
19.05 x 12.7	¾ x ½	2221EBB075050F1	2221EBB075050F4	54.1
25.4 x 12.7	1 x ½	2221EBB100050F1	2221EBB100050F4	63.5
25.4 x 19.05	1 x ¾	2221EBB100075F1	2221EBB100075F4	54.1
38.1 x 19.05	1½ x ¾	2221EBB150075F1	2221EBB150075F4	76.2
38.1 x 25.4	1½ x 1	2221EBB150100F1	2221EBB150100F4	63.5
50.8 x 25.4	2 x 1	2221EBB200100F1	2221EBB200100F4	85.85
50.8 x 38.1	2 x 1½	2221EBB200150F1	2221EBB200150F4	63.5
63.5 x 38.1	2½ x 1½	2221EBB250150F1	2221EBB250150F4	85.85
63.5 x 50.8	2½ x 2	2221EBB250200F1	2221EBB250200F4	63.5
76.2 x 38.1	3 x 1½	2221EBB300150F1	2221EBB300150F4	107.95
76.2 x 50.8	3 x 2	2221EBB300200F1	2221EBB300200F4	85.85
76.2 x 63.5	3 x 2½	2221EBB300250F1	2221EBB300250F4	66.8
101.6 x 50.8	4 x 2	2221EBB400200F1	2221EBB400200F4	130.3
101.6 x 63.5	4 x 2½	2221EBB400250F1	2221EBB400250F4	107.95
101.6 x 76.2	4 x 3	2221EBB400300F1	2221EBB400300F4	98.55
152.4 x 76.2	6 x 3	2221EBB600300F1	2221EBB600300F4	184.15
152.4 x 101.6	6 x 4	2221EBB600400F1	2221EBB600400F4	143

Product Group: AV14

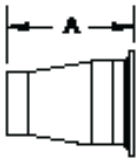
Clamp x Weld Concentric Reducers

Tube OD Size		Part Numbers		Dimension (A)
mm	inch	PL Finish - SF1	PM Finish - SF4	mm
19.05 x 12.7	¾ x ½	2226CBB075050F1	2226CBB075050F4	54.1
25.4 x 12.7	1 x ½	2226CBB100050F1	2226CBB100050F4	63.5
25.4 x 19.05	1 x ¾	2226CBB100075F1	2226CBB100075F4	54.1
38.1 x 19.05	1½ x ¾	2226CBB150075F1	2226CBB150075F4	76.2
38.1 x 25.4	1½ x 1	2226CBB150100F1	2226CBB150100F4	63.5
50.8 x 25.4	2 x 1	2226CBB200100F1	2226CBB200100F4	85.85
50.8 x 38.1	2 x 1½	2226CBB200150F1	2226CBB200150F4	63.5
63.5 x 38.1	2½ x 1½	2226CBB250150F1	2226CBB250150F4	85.85
63.5 x 50.8	2½ x 2	2226CBB250200F1	2226CBB250200F4	63.5
76.2 x 38.1	3 x 1½	2226CBB300150F1	2226CBB300150F4	107.95
76.2 x 50.8	3 x 2	2226CBB300200F1	2226CBB300200F4	85.85
76.2 x 63.5	3 x 2½	2226CBB300250F1	2226CBB300250F4	66.8
101.6 x 50.8	4 x 2	2226CBB400200F1	2226CBB400200F4	130.3
101.6 x 63.5	4 x 2½	2226CBB400250F1	2226CBB400250F4	107.95
101.6 x 76.2	4 x 3	2226CBB400300F1	2226CBB400300F4	98.55
152.4 x 76.2	6 x 3	2226CBB600300F1	2226CBB600300F4	184.15
152.4 x 101.6	6 x 4	2226CBB600400F1	2226CBB600400F4	143

Product Group: AV14



ASME BPE 2019



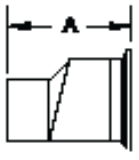
Clamp x Weld Eccentric Reducers

Tube OD Size		Part Numbers		Dimension (A)
mm	inch	PL Finish - SF1	PM Finish - SF4	mm
19.05 x 12.7	¾ x ½	2226EBB075050F1	2226EBB075050F4	54.1
25.4 x 12.7	1 x ½	2226EBB100050F1	2226EBB100050F4	63.5
25.4 x 19.05	1 x ¾	2226EBB100075F1	2226EBB100075F4	54.1
38.1 x 19.05	1½ x ¾	2226EBB150075F1	2226EBB150075F4	76.2
38.1 x 25.4	1½ x 1	2226EBB150100F1	2226EBB150100F4	63.5
50.8 x 25.4	2 x 1	2226EBB200100F1	2226EBB200100F4	85.85
50.8 x 38.1	2 x 1½	2226EBB200150F1	2226EBB200150F4	63.5
63.5 x 38.1	2½ x 1½	2226EBB250150F1	2226EBB250150F4	85.85
63.5 x 50.8	2½ x 2	2226EBB250200F1	2226EBB250200F4	63.5
76.2 x 38.1	3 x 1½	2226EBB300150F1	2226EBB300150F4	107.95
76.2 x 50.8	3 x 2	2226EBB300200F1	2226EBB300200F4	85.85
76.2 x 63.5	3 x 2½	2226EBB300250F1	2226EBB300250F4	66.8
101.6 x 50.8	4 x 2	2226EBB400200F1	2226EBB400200F4	130.3
101.6 x 63.5	4 x 2½	2226EBB400250F1	2226EBB400250F4	107.95
101.6 x 76.2	4 x 3	2226EBB400300F1	2226EBB400300F4	98.55
152.4 x 76.2	6 x 3	2226EBB600300F1	2226EBB600300F4	184.15
152.4 x 101.6	6 x 4	2226EBB600400F1	2226EBB600400F4	143

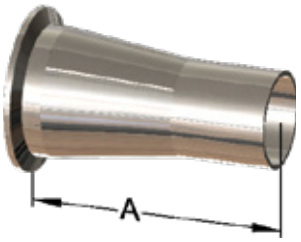
Product Group: AV14



ASME BPE 2019



Clamp x Weld Concentric Reducers



DT-4.1.3-2 (#DT-26)
ASME BPE 2012

Tube OD Size		Part Numbers		Dimension (A)
mm	inch	PL Finish - SF1	PM Finish - SF4	mm
19.05 x 12.7	¾ x ½	T31M-075050PL	T31M-075050PM	76.20
25.4 x 12.7	1 x ½	T31M-100050PL	T31M-100050PM	88.90
25.4 x 19.05	1 x ¾	T31M-100075PL	T31M-100075PM	76.20
38.1 x 12.7	1½ x ½	T31M-150050PL	T31M-150050PM	114.30
38.1 x 19.05	1½ x ¾	T31M-150075PL	T31M-150075PM	101.60
38.1 x 25.4	1½ x 1	T31M-150100PL	T31M-150100PM	101.60
50.8 x 12.7	2 x ½	T31M-200050PL	T31M-200050PM	165.10
50.8 x 19.05	2 x ¾	T31M-200075PL	T31M-200075PM	152.40
50.8 x 25.4	2 x 1	T31M-200100PL	T31M-200100PM	152.40
50.8 x 38.1	2 x 1½	T31M-200150PL	T31M-200150PM	101.60
63.5 x 12.7	2½ x ½	T31M-250050PL	T31M-250050PM	215.90
63.5 x 19.05	2½ x ¾	T31M-250075PL	T31M-250075PM	203.20
63.5 x 25.4	2½ x 1	T31M-250100PL	T31M-250100PM	203.20
63.5 x 38.1	2½ x 1½	T31M-250150PL	T31M-250150PM	152.40
63.5 x 50.8	2½ x 2	T31M-250200PL	T31M-250200PM	107.95
76.2 x 25.4	3 x 1	T31M-300100PL	T31M-300100PM	254.00
76.2 x 38.1	3 x 1½	T31M-300150PL	T31M-300150PM	203.20
76.2 x 50.8	3 x 2	T31M-300200PL	T31M-300200PM	158.75
76.2 x 63.5	3 x 2½	T31M-300250PL	T31M-300250PM	107.95
101.6 x 38.1	4 x 1½	T31M-400150PL	T31M-400150PM	307.975
101.6 x 50.8	4 x 2	T31M-400200PL	T31M-400200PM	263.525
101.6 x 63.5	4 x 2½	T31M-400250PL	T31M-400250PM	212.725
101.6 x 76.2	4 x 3	T31M-400300PL	T31M-400300PM	161.925
152.4 x 76.2	6 x 3	T31M-600300PL	T31M-600300PM	228.60
152.4 x 101.6	6 x 4	T31M-600400PL	T31M-600400PM	228.60

Product Group: AV14

Leader in the
BioPharmaceutical Market

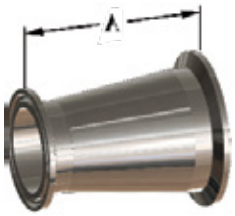
ASME BPE SF1 & SF4 Pharmaceutical grade tube and fittings.
Ability to supply large projects with
Comprehensive Stock Levels.



Clamp x Clamp Concentric Reducers

Tube OD Size		Part Numbers		Dimension (A)
mm	inch	PL Finish - SF1	PM Finish - SF4	mm
19.05 x 12.7	¾ x ½	T3114MP075050PL	T3114MP075050PM	50.80
25.4 x 12.7	1 x ½	T3114MP100050PL	T3114MP100050PM	63.50
25.4 x 19.05	1 x ¾	T3114MP100075PL	T3114MP100075PM	50.80
38.1 x 12.7	1½ x ½	T3114MP150050PL	T3114MP150050PM	88.90
38.1 x 19.05	1½ x ¾	T3114MP150075PL	T3114MP150075PM	76.20
38.1 x 25.4	1½ x 1	T3114MP150100PL	T3114MP150100PM	76.20
50.8 x 12.7	2 x ½	T3114MP200050PL	T3114MP200050PM	139.70
50.8 x 19.05	2 x ¾	T3114MP200075PL	T3114MP200075PM	127.00
50.8 x 25.4	2 x 1	T3114MP200100PL	T3114MP200100PM	127.00
50.8 x 38.1	2 x 1½	T3114MP200150PL	T3114MP200150PM	76.20
63.5 x 12.7	2½ x ½	T3114MP250050PL	T3114MP250050PM	190.50
63.5 x 19.05	2½ x ¾	T3114MP250075PL	T3114MP250075PM	177.80
63.5 x 25.4	2½ x 1	T3114MP250100PL	T3114MP250100PM	177.80
63.5 x 38.1	2½ x 1½	T3114MP250150PL	T3114MP250150PM	127.00
63.5 x 50.8	2½ x 2	T3114MP250200PL	T3114MP250200PM	76.20
76.2 x 25.4	3 x 1	T3114MP300100PL	T3114MP300100PM	228.60
76.2 x 38.1	3 x 1½	T3114MP300150PL	T3114MP300150PM	177.80
76.2 x 50.8	3 x 2	T3114MP300200PL	T3114MP300200PM	127.00
76.2 x 63.5	3 x 2½	T3114MP300250PL	T3114MP300250PM	76.20
101.6 x 25.4	4 x 1	T3114MP400100PL	T3114MP400100PM	333.375
101.6 x 38.1	4 x 1½	T3114MP400150PL	T3114MP400150PM	282.575
101.6 x 50.8	4 x 2	T3114MP400200PL	T3114MP400200PM	231.775
101.6 x 63.5	4 x 2½	T3114MP400250PL	T3114MP400250PM	180.975
101.6 x 76.2	4 x 3	T3114MP400300PL	T3114MP400300PM	130.175
152.4 x 76.2	6 x 3	T3114MP600300PL	T3114MP600300PM	193.675
152.4 x 101.6	6 x 4	T3114MP600400PL	T3114MP600400PM	193.675

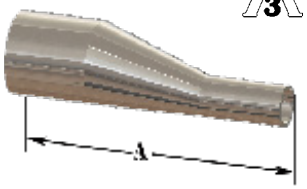
Product Group: AV14



DT-4.1.3-3 (#DT-21)
ASME BPE 2012



Weld x Weld Eccentric Reducers



DT-4.1.3-1 (#DT-11)
ASME BPE 2012

Tube OD Size		Part Numbers		Dimension (A)
mm	inch	PL Finish - SF1	PM Finish - SF4	mm
19.05 x 12.7	¾ x ½	T32W-075050PL	T32W-075050PM	101.60
25.4 x 12.7	1 x ½	T32W-100050PL	T32W-100050PM	114.30
25.4 x 19.05	1 x ¾	T32W-100075PL	T32W-100075PM	101.60
38.1 x 12.7	1½ x ½	T32W-150050PL	T32W-150050PM	139.70
38.1 x 19.05	1½ x ¾	T32W-150075PL	T32W-150075PM	127.00
38.1 x 25.4	1½ x 1	T32W-150100PL	T32W-150100PM	127.00
50.8 x 12.7	2 x ½	T32W-200050PL	T32W-200050PM	196.85
50.8 x 19.05	2 x ¾	T32W-200075PL	T32W-200075PM	184.15
50.8 x 25.4	2 x 1	T32W-200100PL	T32W-200100PM	184.15
50.8 x 38.1	2 x 1½	T32W-200150PL	T32W-200150PM	133.35
63.5 x 12.7	2½ x ½	T32W-250050PL	T32W-250050PM	247.65
63.5 x 19.05	2½ x ¾	T32W-250075PL	T32W-250075PM	234.95
63.5 x 25.4	2½ x 1	T32W-250100PL	T32W-250100PM	234.95
63.5 x 38.1	2½ x 1½	T32W-250150PL	T32W-250150PM	184.15
63.5 x 50.8	2½ x 2	T32W-250200PL	T32W-250200PM	139.70
76.2 x 25.4	3 x 1	T32W-300100PL	T32W-300100PM	285.75
76.2 x 38.1	3 x 1½	T32W-300150PL	T32W-300150PM	234.95
76.2 x 50.8	3 x 2	T32W-300200PL	T32W-300200PM	190.50
76.2 x 63.5	3 x 2½	T32W-300250PL	T32W-300250PM	139.70
101.6 x 25.4	4 x 1	T32W-400100PL	T32W-400100PM	393.70
101.6 x 38.1	4 x 1½	T32W-400150PL	T32W-400150PM	342.90
101.6 x 50.8	4 x 2	T32W-400200PL	T32W-400200PM	298.45
101.6 x 63.5	4 x 2½	T32W-400250PL	T32W-400250PM	247.65
101.6 x 76.2	4 x 3	T32W-400300PL	T32W-400300PM	196.85
152.4 x 76.2	6 x 3	T32W-600300PL	T32W-600300PM	247.65
152.4 x 101.6	6 x 4	T32W-600400PL	T32W-600400PM	254.00

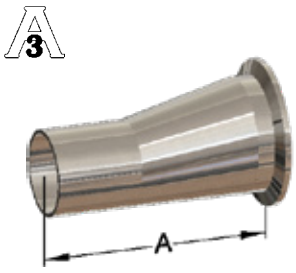
Product Group: AV14



Clamp x Weld Eccentric Reducers

Tube OD Size		Part Numbers		Dimension (A)
mm	inch	PL Finish - SF1	PM Finish - SF4	mm
19.05 x 12.7	¾ x ½	T32M-075050PL	T32M-075050PM	76.20
25.4 x 12.7	1 x ½	T32M-100050PL	T32M-100050PM	88.90
25.4 x 19.05	1 x ¾	T32M-100075PL	T32M-100075PM	76.20
38.1 x 12.7	1½ x ½	T32M-150050PL	T32M-150050PM	114.30
38.1 x 19.05	1½ x ¾	T32M-150075PL	T32M-150075PM	101.60
38.1 x 25.4	1½ x 1	T32M-150100PL	T32M-150100PM	101.60
50.8 x 12.7	2 x ½	T32M-200050PL	T32M-200050PM	165.10
50.8 x 19.05	2 x ¾	T32M-200075PL	T32M-200075PM	152.40
50.8 x 25.4	2 x 1	T32M-200100PL	T32M-200100PM	152.40
50.8 x 38.1	2 x 1½	T32M-200150PL	T32M-200150PM	101.60
63.5 x 12.7	2½ x ½	T32M-250050PL	T32M-250050PM	215.90
63.5 x 19.05	2½ x ¾	T32M-250075PL	T32M-250075PM	203.20
63.5 x 25.4	2½ x 1	T32M-250100PL	T32M-250100PM	203.20
63.5 x 38.1	2½ x 1½	T32M-250150PL	T32M-250150PM	152.40
63.5 x 50.8	2½ x 2	T32M-250200PL	T32M-250200PM	107.95
76.2 x 25.4	3 x 1	T32M-300100PL	T32M-300100PM	254.00
76.2 x 38.1	3 x 1½	T32M-300150PL	T32M-300150PM	203.20
76.2 x 50.8	3 x 2	T32M-300200PL	T32M-300200PM	158.75
76.2 x 63.5	3 x 2½	T32M-300250PL	T32M-300250PM	107.95
101.6 x 25.4	4 x 1	T32M-400100PL	T32M-400100PM	358.775
101.6 x 38.1	4 x 1½	T32M-400150PL	T32M-400150PM	307.975
101.6 x 50.8	4 x 2	T32M-400200PL	T32M-400200PM	263.525
101.6 x 63.5	4 x 2½	T32M-400250PL	T32M-400250PM	212.725
101.6 x 76.2	4 x 3	T32M-400300PL	T32M-400300PM	161.925
152.4 x 76.2	6 x 3	T32M-600300PL	T32M-600300PM	228.60
152.4 x 101.6	6 x 4	T32M-600400PL	T32M-600400PM	228.60

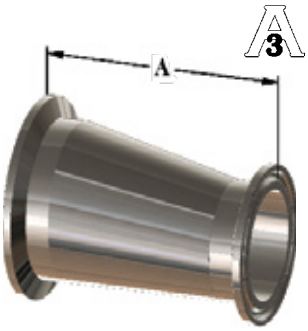
Product Group: AV14



DT-4.1.3-2 (#DT-26)
ASME BPE 2012

Maximise efficiency
and purity
in your biopharmaceutical applications with our BPE fittings and technical support.

Clamp x Clamp Eccentric Reducers

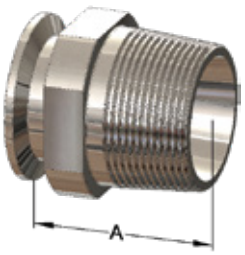


DT-4.1.3-3 (#DT-21)
ASME BPE 2012

Tube OD Size		Part Numbers		Dimension (A)
mm	inch	PL Finish - SF1	PM Finish - SF4	mm
19.05 x 12.7	¾ x ½	T3214MP075050PL	T3214MP075050PM	101.60
25.4 x 12.7	1 x ½	T3214MP100050PL	T3214MP100050PM	114.30
25.4 x 19.05	1 x ¾	T3214MP100075PL	T3214MP100075PM	101.60
38.1 x 12.7	1½ x ½	T3214MP150050PL	T3214MP150050PM	139.70
38.1 x 19.05	1½ x ¾	T3214MP150075PL	T3214MP150075PM	127.00
38.1 x 25.4	1½ x 1	T3214MP150100PL	T3214MP150100PM	127.00
50.8 x 12.7	2 x ½	T3214MP200050PL	T3214MP200050PM	196.85
50.8 x 19.05	2 x ¾	T3214MP200075PL	T3214MP200075PM	184.15
50.8 x 25.4	2 x 1	T3214MP200100PL	T3214MP200100PM	184.15
50.8 x 38.1	2 x 1½	T3214MP200150PL	T3214MP200150PM	133.35
63.5 x 12.7	2½ x ½	T3214MP200150PL	T3214MP200150PM	247.65
63.5 x 19.05	2½ x ¾	T3214MP250075PL	T3214MP250075PM	234.95
63.5 x 25.4	2½ x 1	T3214MP250100PL	T3214MP250100PM	234.95
63.5 x 38.1	2½ x 1½	T3214MP250150PL	T3214MP250150PM	184.15
63.5 x 50.8	2½ x 2	T3214MP250200PL	T3214MP250200PM	139.70
76.2 x 25.4	3 x 1	T3214MP300100PL	T3214MP300100PM	285.75
76.2 x 38.1	3 x 1½	T3214MP300150PL	T3214MP300150PM	234.95
76.2 x 50.8	3 x 2	T3214MP300200PL	T3214MP300200PM	190.50
76.2 x 63.5	3 x 2½	T3214MP300250PL	T3214MP300250PM	139.70
101.6 x 25.4	4 x 1	T3214MP400100PL	T3214MP400100PM	393.70
101.6 x 38.1	4 x 1½	T3214MP400150PL	T3214MP400150PM	342.90
101.6 x 50.8	4 x 2	T3214MP400200PL	T3214MP400200PM	298.45
101.6 x 63.5	4 x 2½	T3214MP400250PL	T3214MP400250PM	247.65
101.6 x 76.2	4 x 3	T3214MP400300PL	T3214MP400300PM	196.85
152.4 x 76.2	6 x 3	T3214MP600300PL	T3214MP600300PM	190.50
152.4 x 101.6	6 x 4	T3214MP600400PL	T3214MP600400PM	254.00

Product Group: AV14

Clamp Adaptor x Male NPT



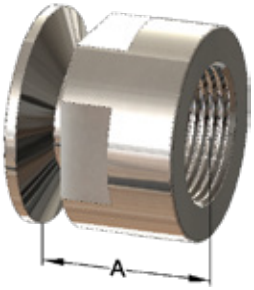
Clamp Size		NPT Thread Size		Part Numbers	Dimension (A)
mm	inch	mm	inch	PL Finish - SF1	mm
12.7	½	6	¼	T21MP-050025PL	50.800
		10	⅜	T21MP-050375PL	50.800
		12	½	T21MP-050PL	41.275
		20	¾	T21MP-050075PL	50.800
19.05	¾	6	¼	T21MP-075025PL	50.800
		12	½	T21MP-075050PL	50.800
		20	¾	T21MP-075PL	57.150
25.4	1	25	1	T21MP-100PL	57.150
38.1	1½	38	1½	T21MP-150PL	57.150
50.8	2	50	2	T21MP-200PL	67.005
63.5	2½	65	2½	T21MP-250PL	73.025
76.2	3	80	3	T21MP-300PL	77.975
101.6	4	100	4	T21MP-400PL	80.137

Product Group: AV14

Clamp Adaptor x Female NPT

Clamp Size		NPT Thread Size		Part Numbers	Dimension (A)
mm	inch	mm	inch	PL Finish - SF1	mm
12.7	½	6	¼	T22MP-050025PL	50.800
		10	⅜	T22MP-050375PL	50.800
		12	½	T22MP-050PL	41.275
		20	¾	T22MP-050075PL	50.800
19.05	¾	6	¼	T22MP-075025PL	50.800
		12	½	T22MP-075050PL	50.800
		20	¾	T22MP-075PL	57.150
25.4	1	25	1	T22MP-100PL	57.150
38.1	1½	38	1½	T22MP-150PL	57.150
50.8	2	50	2	T22MP-200PL	67.005
63.5	2½	65	2½	T22MP-250PL	73.025
76.2	3	80	3	T22MP-300PL	77.975
101.6	4	100	4	T22MP-400PL	80.137

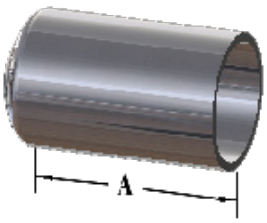
Product Group: AV14



Weld Caps

Tube OD Size		Part Numbers		Dimension (A)
mm	inch	PL Finish - SF1	PM Finish - SF4	mm
12.7	½	T16W-050PL	T16W-050PM	38.10
19.05	¾	T16W-075PL	T16W-075PM	38.10
25.4	1	T16W-100PL	T16W-100PM	38.10
38.1	1½	T16W-150PL	T16W-150PM	38.10
50.8	2	T16W-200PL	T16W-200PM	38.10
63.5	2½	T16W-250PL	T16W-250PM	38.10
76.2	3	T16W-300PL	T16W-300PM	38.10
101.6	4	T16W-400PL	T16W-400PM	50.80
152.4	6	T16W-600PL	T16W-600PM	63.50

Product Group: AV14

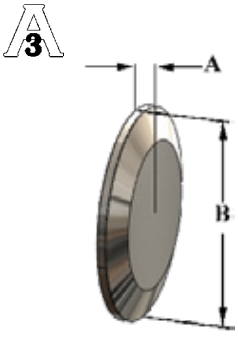


DT-4.1.5-1 (#DT-22)
ASME BPE 2019

Solid End Caps

Tube OD Size		Part Numbers		Dimensions	
				A (mm)	B (mm)
mm	inch	PL Finish - SF1	PM Finish - SF4		
12.7	½ x ¾	T16AMP-050075PL	T16AMP-050075PM	4.826	25.400
38.1	1 x 1½	T16AMP-100150PL	T16AMP-100150PM	6.350	50.546
50.8	2	T16AMP-200PL	T16AMP-200PM	6.350	64.008
63.5	2½	T16AMP-250PL	T16AMP-250PM	6.350	77.470
76.2	3	T16AMP-300PL	T16AMP-300PM	6.350	90.932
101.6	4	T16AMP-400PL	T16AMP-400PM	7.874	119.126
152.4	6	T16AMP-600PL	T16AMP-600PM	11.178	166.624

Product Group: AV14



DT-4.1.5-2 (#DT-31)
ASME BPE 2012

Clever Clamp - Bolted Clamps - Silicone Gasket



Clever Clamp



Bolted Clamp



Gasket

Size		Clever Clamp[1]		Bolted Clamps	Platinum Cured Silicone Gaskets[2]
mm	inch	Standard	Self-Locking Lever		
12.7	½	-	-	13MHP75	42MP-XCPL50
19.05	¾	-	-	13MHP75	42MP-XCPL75
25.4	1	-	-	13MHP100-150	40MP-XCPL100
38.1	1½	13SCC-100150	13SCC-100150L	13MHP100-150	40MP-XCPL150
50.8	2	13SCC-200	13SCC-200L	13MHP200	40MP-XCPL200
63.5	2½	-	-	13MHP250	40MP-XCPL250
76.2	3	13SCC-300	13SCC-300L	13MHP300	40MP-XCPL300
101.6	4	-	-	13MHP400	40MP-XCPL400
152.4	6	-	-	13MHP600	40MPF-XCPL600
203.2	8	-	-	13MHP800	40MPF-XCPL800
254	10	-	-	13MHP1000	-
304.8	12	-	-	13MHP1200	-

[1]Refer to page 349 for more information on the clever clamp
[2]Gaskets meet 21CFR 177.2600 passed U.S.P class VI testing

Product Group: AV03

All Fittings Comply with ASME BPE 2019 (Table DT5-1)

Final Tolerances for Mechanically Polished Fittings and Process Components

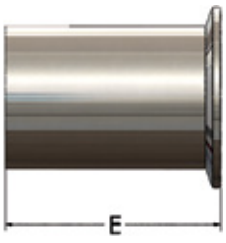
Nominal Size		OD	Wall Thickness	Squareness Face to Tangent (B)	Off Angle (O)	Tolerance on End-to-End (E) & Centre-to-End (A)	Off Plane (P)
mm	inch						
12.7	½	±0.005	±0.005/-0.008	0.005	0.014	0.050	0.030
19.05	¾	±0.005	±0.005/-0.008	0.005	0.018	0.050	0.030
25.4	1	±0.005	±0.005/-0.008	0.008	0.025	0.050	0.030
38.1	1½	±0.008	±0.005/-0.008	0.008	0.034	0.050	0.050
50.8	2	±0.008	±0.005/-0.008	0.008	0.043	0.050	0.050
63.5	2½	±0.010	±0.005/-0.008	0.010	0.054	0.050	0.050
76.2	3	±0.010	±0.005/-0.008	0.016	0.068	0.050	0.050
101.6	4	±0.015	±0.008/-0.010	0.016	0.086	0.050	0.060



Squareness to Face



Off Angle



End-to-End



Off Plane



Off Angle



Centre-to-End

Technical Specifications

Weld End Chemical Analysis (%) per ASME BPE Table DT-3

Element	C	Mn	P	S	Si	Cr	Ni	Mo
Minimum	-	-	-	0.005	-	16.00	10.00	2.00
Maximum	0.030	2.00	0.045	0.017	1.00	18.00	15.00	3.00

BPE Surface Finish Requirements (SF-3)

Mechanically Polished ID & OD

Surface Designation	Ra Maximum		Dixon Sanitary High Purity Code
	ID µm	OD µm	
SF0	No finish requirement	No finish requirement	PL
SF1	.508	.812	-
SF2	.635	.812	-
SF3	.762	.812	-

Mechanically Polished OD & Electropolished ID

Surface Designation	Ra Maximum		Dixon Sanitary High Purity Code
	ID µm	OD µm	
SF4	.381	.812	PM
SF5	.508	.812	-
SF6	.635	.812	-

Acceptance Criteria for Stainless Steel Mechanically Polished Product Contact Surface Finishes

Anomaly or Indication	Acceptance Criteria
Pits	If diameter <0.020" & bottom is shiny {Notes (2) & (4)} - pits <0.003" Diameter is irrelevant and acceptable
Cluster of Pits	No more than 4 pits per each ½" x ½" inspection window The cumulative total of all relevant pits shall not exceed 0.040"
Dents	None accepted {Note (1)}
Finishing Marks	If Ra maximum is met
Welds	As welded shall meet requirements of MJ-6. If welds are finished, shall be smooth & blended
Nicks	None accepted
Scratches	Tubing, if cumulative length is <12.0" per 20" tube length or prorated & if depth is <0.003" fittings, valves & other components, if length is <0.25" cumulatively, depth <0.003" & Ra max. is met vessels, if length <0.50" at 0.003 depth & if <3 per inspection window {Note (3)}
Surface Cracks	None accepted
Surface Inclusions	If Ra max. is met
Surface Residuals	None accepted, visual inspection
Surface Roughness (Ra)	See table SF-3 (See Above)
Weld Slag	Tubing, up to 3 per 20" length or prorated, if <75% of the width of the weld bead fittings, valves, vessels & other components, none accepted (as welded shall meet the requirements of MJ-6 & Table MJ-3)
Porosity	None Open to the Surface

Notes

1. For vessels, dents in the area covered by and resulting from welding dimple heat transfer jackets are acceptable
2. Black bottom pit of any depth is not acceptable
3. An inspection window is defined as an area of 100mm x 100mm (4" x 4")
4. Pits in super-austenitic and nickel alloys may exceed this value. Acceptance criteria for pit size shall be established by agreement between owner/user and manufacturer. All other pit criteria remain the same

Packing Requirements

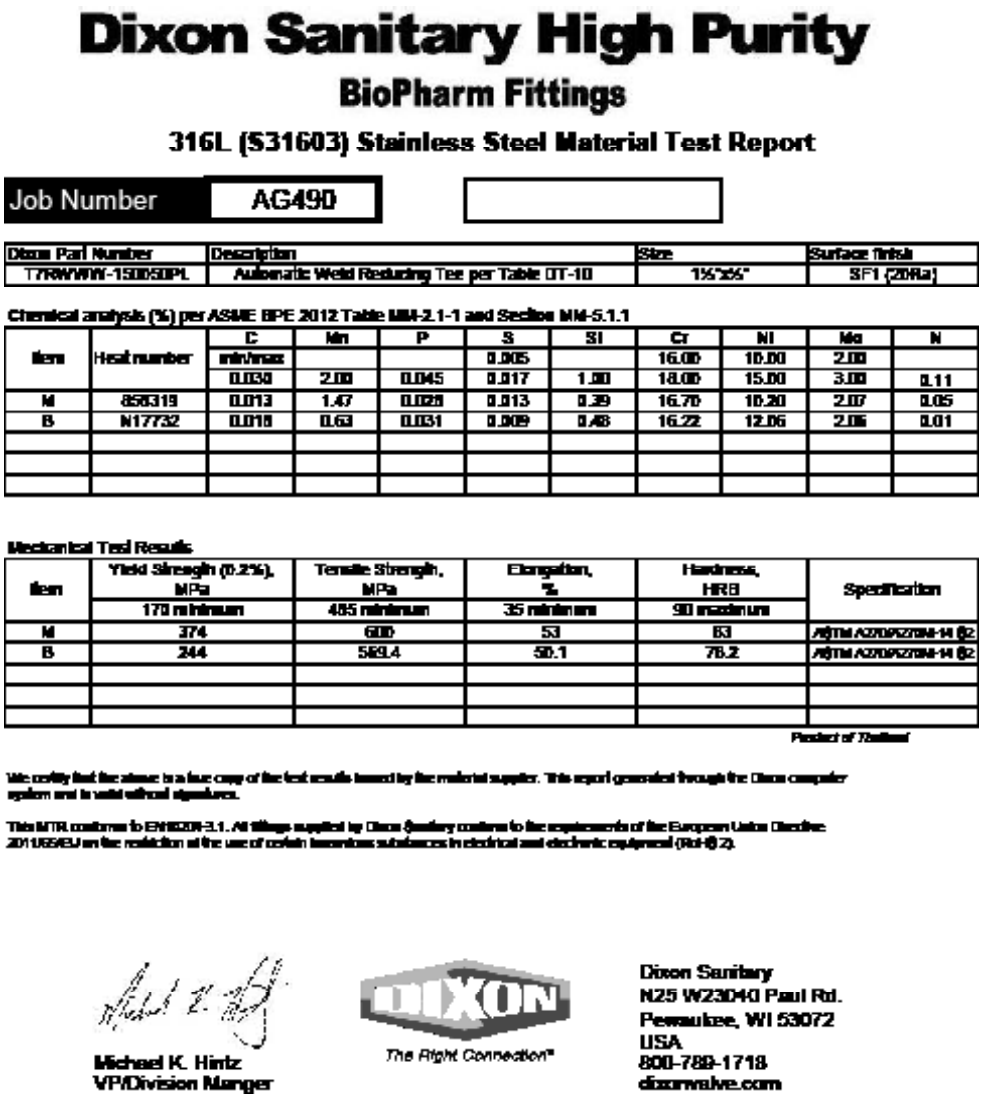
- Dixon Sanitary
- Job number
- 316L
- Dixon Sanitary part number
- Heat number(s)
- Surface finish code
- ASME BPE

- Per the specification, the size of the fitting may limit the space available for markings. When that occurs, the markings starting at the bottom of the list are not applied. The Dixon Sanitary part number will describe the part configuration and size

- MTR (material test report) certifications are included inside the resealable bag with each fitting. The MTRs are traceable through the job number found on each fitting. All fittings are capped to prevent damage and contamination. For easy identification, each finish will have a different colour cap

Finish[1]	Colour Caps
PL/SF1	Blue
PM/SF4	White

[1]Refer to "BPE Surface Finish Requirements (SF-3)" on page 427 for finish standards



Dixon Sanitary High Purity

BioPharm Fittings

316L (S31603) Stainless Steel Material Test Report

Job Number AG490

Dixon Part Number	Description	Size	Surface Finish
T7RWWW-150050PL	Automatic Weld Reducing Tee per Table DT-10	1½"x½"	SF1 (20Ra)

Chemical analysis (%) per ASME BPE 2012 Table MM-2.1-1 and Section MM-5.1.1

Item	Heat number	C	Mn	P	S	Si	Cr	Ni	Mo	N
		min/max			0.005		16.00	10.00	2.00	
		0.030	2.00	0.045	0.017	1.00	18.00	15.00	3.00	0.11
M	858319	0.013	1.47	0.028	0.013	0.39	16.70	10.20	2.07	0.05
B	N17732	0.018	0.63	0.031	0.009	0.48	16.22	12.06	2.06	0.01

Mechanical Test Results

Item	Yield Strength (0.2%), MPa	Tensile Strength, MPa	Elongation, %	Hardness, HRB	Specification
	170 minimum	485 minimum	35 minimum	90 maximum	
M	374	600	53	83	
B	244	569.4	50.1	76.2	

Product of Thailand

We certify that the above is a true copy of the test results issued by the material supplier. This report generated through the Dixon computer system and is valid without signatures.

This MTR conforms to EN10204-3.1. All fittings supplied by Dixon Sanitary conform to the requirements of the European Union Directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS 2).

Michael K. Hintz
VP/Division Manger

The Right Connection

Dixon Sanitary
N25 W23040 Paul Rd.
Pewaukee, WI 53072
USA
800-789-1718
dixonvalve.com

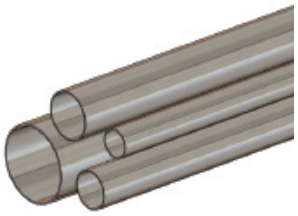
BPE - Pharmaceutical Grade Tubing

[1]SF1 Specifications

- 316L ASTM A270-S2 ASME BPE welded tube
- ID = 0.5µm Ra mechanical polish
- OD = 0.8µm Ra mechanical polish

[2]SF4 Specifications

- 316L ASTM A270-S2 ASME BPE welded tube
- ID = 0.25µm Ra electropolish
- OD = 0.8µm Ra mechanical polish



Tube OD Size		Wall Thickness (mm)	Length (mm)	Part Numbers	
mm	inch			PL Finish - SF1[1]	PM Finish - SF4[2]
12.7	½	1.65	6096	A270-050PL	A270-050PM
19.05	¾	1.65	6096	A270-075PL	A270-075PM
25.4	1	1.65	6096	A270-100PL	A270-100PM
38.1	1½	1.65	6096	A270-150PL	A270-150PM
50.8	2	1.65	6096	A270-200PL	A270-200PM
63.5	2½	1.65	6096	A270-250PL	A270-250PM
76.2	3	1.65	6096	A270-300PL	A270-300PM
101.6	4	2.11	6096	A270-400PL	A270-400PM
152.4	6	2.11	6096	A270-600PL	A270-600PM

• Sold in lengths only, non-returnable

Product Group: AV17

Operating Pressures - 316 Stainless Steel Tube

Tube OD Size		Tube OD Size (inch)	Pressure (PSI) bar/kPa		
mm	inch		Working	Yield	Burst
12.7	½	.065	3250	6500	19500
19.05	¾	.065	2167	4330	13000
25.4	1	.065	2280	3300	9100
38.1	1½	.065	1520	2200	6100
50.8	2	.065	1140	1600	4600
63.5	2½	.065	910	1300	3600
76.2	3	.065	760	1100	3000
101.6	4	.083	730	1000	2900
152.4	6	.109	635	900	2540

Notes

All MTR's will be supplied by tubing manufacturer

Working pressure = ¼ of burst pressure, these valid from -29°C to 38°C (-20°F to 100°F)

The pressures shown in the table above are valid using Barlow's formula and the following properties

- Material: 316L stainless steel
- Yield Strength (PSI): 25,000 bar/kPa
- Tensile Strength (PSI): 70,000 bar/kPa

Partner with Dixon for your upcoming projects.

Supplying a range of high-quality products and solutions that meet industry standards.



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QLD Combined Suction/Boosters

Application

- Combined suction/booster assemblies consist of an arrangement of valves and pipework designed to increase the pressure & volume of hydrant water for firefighting purposes. All assemblies are designed in accordance with Australian Standard AS2419.1.

Features

- UL/FM approved gear operated grooved butterfly valves
- UL/FM approved grooved check valve
- QRT tank model boosters
- QRT hydrant valves DR brass
- Suction/booster pipe manifolds are hot-dip galvanised and painted signal red

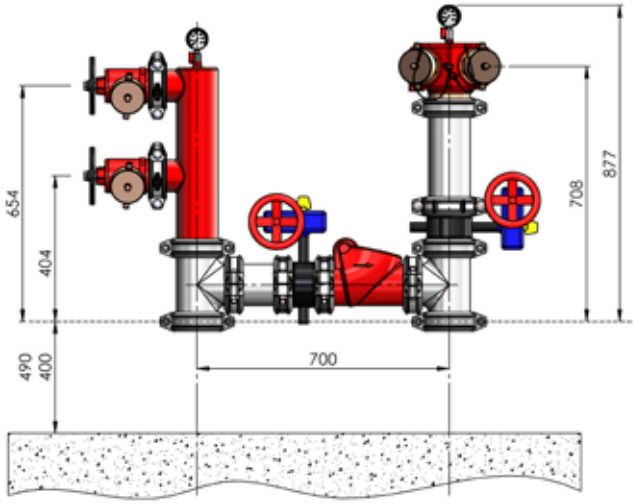
Approvals

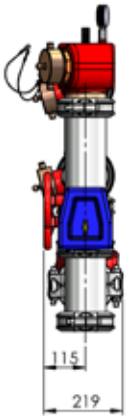
- Designed to meet requirements of AS2419.1

Installation

- To be installed in accordance with AS2419.1 and local regulations

100NB Combined Suction/Booster Assembly - 2 Point





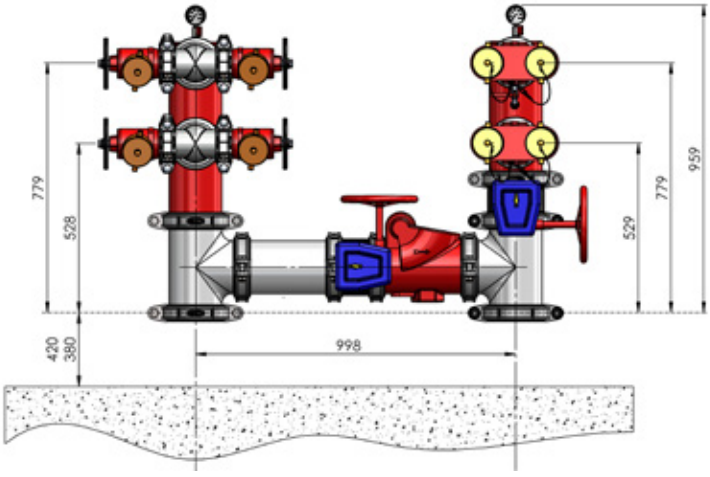
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Dimensions = mm

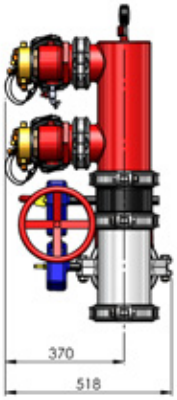
Part Number

FFS-QHB100-XIV

Product Group: FP02

150NB Combined Suction/Booster Assembly - 4 Point





Drawing #FH068
Dimensions = mm

Part Number

FFS-QHB150-XIV

Product Group: FP02

QLD Twin Hydrant Riser

Application

- Hydrant assemblies are designed for installation in either feed or attack hydrant applications.

Features

- 100NB roll grooved riser with welded Table E flange as standard
- Roll groove option available
- Riser and tee hot-dip galvanised, and powder-coated signal red
- QRT hydrant valve DR brass
- Height 1600mm from centre to end

Approvals

- Designed to meet requirements of AS2419.1

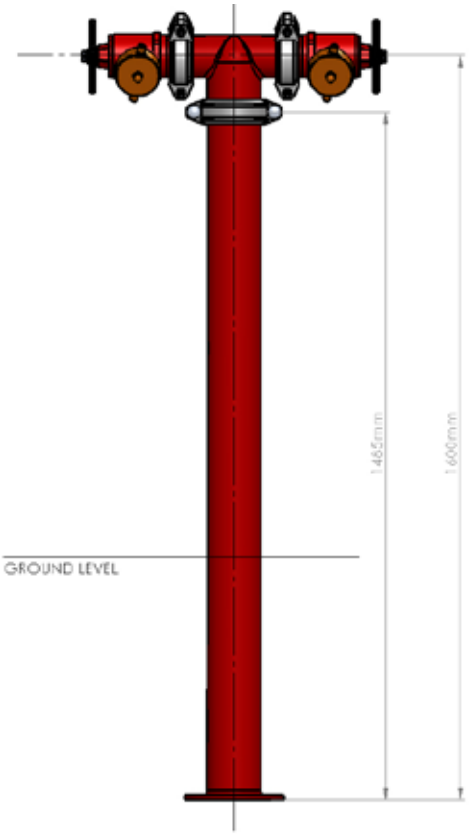
Installation

- To be installed in accordance with AS2419.1

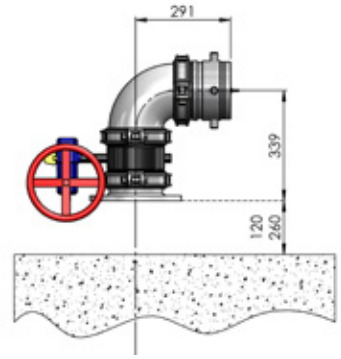
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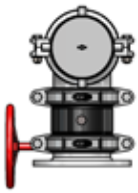
Product Group: FP07





QLD Single Tank Suction Assembly





Drawing #FH067
Dimensions = mm

Features

- Single 125NB 3TPI female connection
- UL/FM 150NB gear operated monitored butterfly valve
- 150NB flange adaptor drilled to Table E
- Assembled height 339mm C:E

Part Number
FFS-QTSP-125COV

Product Group: FP02

QLD Combination Tank Suction Assemblies

Features:

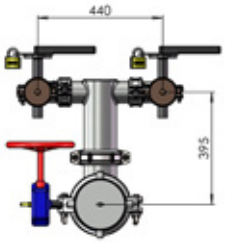
- Combined small and large bore suction connections
- Dual 65NB QRT male connection points
- Single 125NB 3TPI female connection
- 150NB inlet connection
- Hot-dip galvanised manifold
- UL/FM 150NB gear operated, monitored butterfly valve

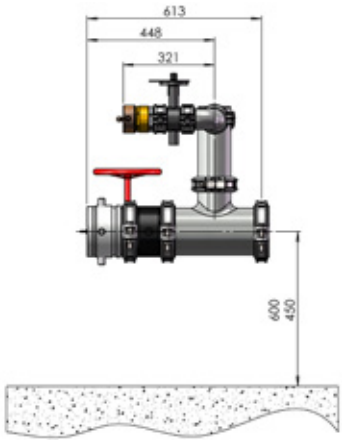
Approvals:

- Designed to AS2419.1

Installation:

- To be installed in accordance with AS2419.1



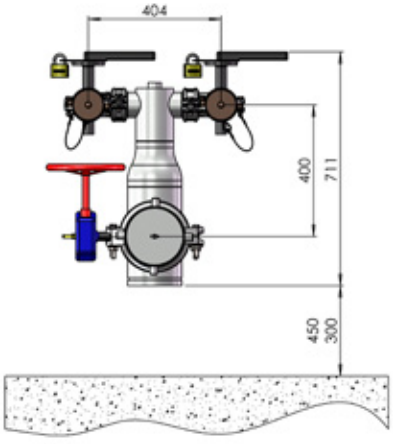


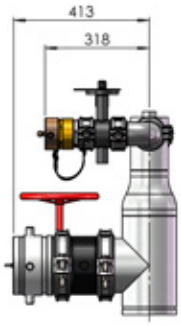
Drawing #FH095
Dimensions = mm

Rear Entry

Part Number
FFS-TSA-QLD-RE

Product Group: FP02





Drawing #FH096
Dimensions = mm

Bottom Entry

Part Number
FFS-TSA-QLD-BE

Product Group: FP02

NSW Combined Suction/Booster Assemblies

Application

- Combined suction/booster assemblies consist of an arrangement of valves and pipework designed to increase the pressure & volume of hydrant water for firefighting purposes. All assemblies are designed in accordance with Australian Standard AS2419.1.

Features

- UL/FM approved gear operated grooved butterfly valve
- UL/FM approved grooved check valve
- Storz hydrant valves DR brass
- Fire booster valve - dual outlet
- Suction/booster pipe manifolds are hot-dip galvanised and painted signal red

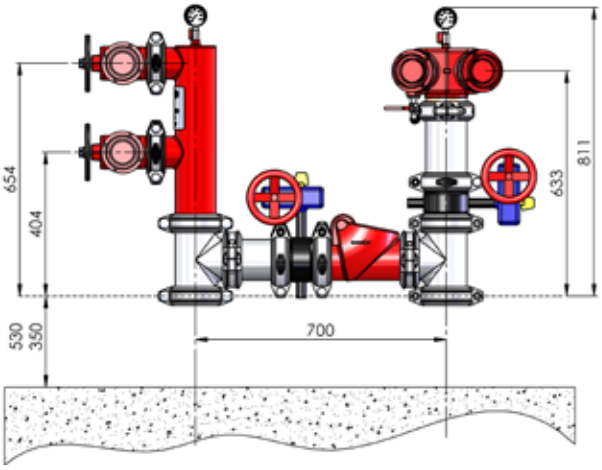
Approvals

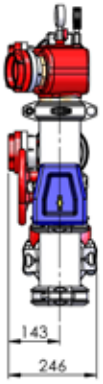
- Designed to meet requirements of AS2419.1

Installation

- To be installed in accordance with AS2419.1 and local regulations

100NB Combined Suction/Booster Assembly - 2 Point

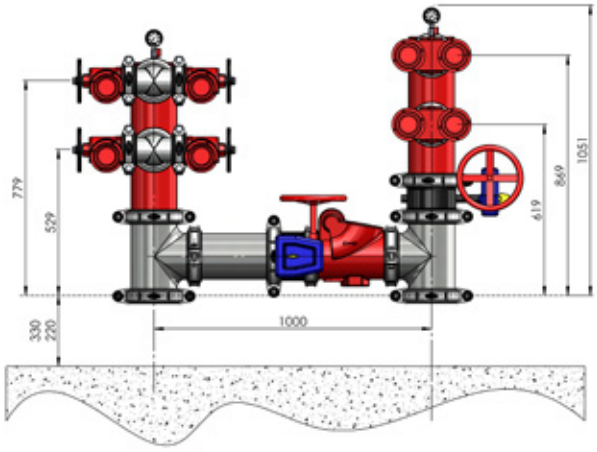


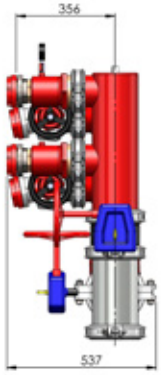


Drawing #FH045
Dimensions = mm

Part Number
FFS-100MMCSB-S
Product Group: FP02

150NB Combined Suction/Booster Assembly - 4 Point





Drawing #FH081
Dimensions = mm

Part Number
FFS-150MMCSB-S
Product Group: FP02

NSW Combined Suction/Booster Assemblies c/w Backflow Prevention

Application

- Combined suction/booster assemblies consist of an arrangement of valves and pipework designed to increase the pressure & volume of hydrant water for firefighting purposes.

Features

- UL/FM approved gear operated grooved butterfly valve
- UL/FM approved grooved check valve
- Fire booster valve - dual outlet with 65NB forged alloy NEN3374 Storz connection
- Hydrant valves with 65NB forged alloy NEN3374 Storz connection
- Suction/booster pipe manifolds are hot-dip galvanised and painted signal red
- 65NB forged alloy NEN3374 Storz connection
- Backflow prevention - Double Detector Check Valve (DDCV) with 20mm metered bypass
- Watermarked lugged wafer butterfly valves, gear-operated

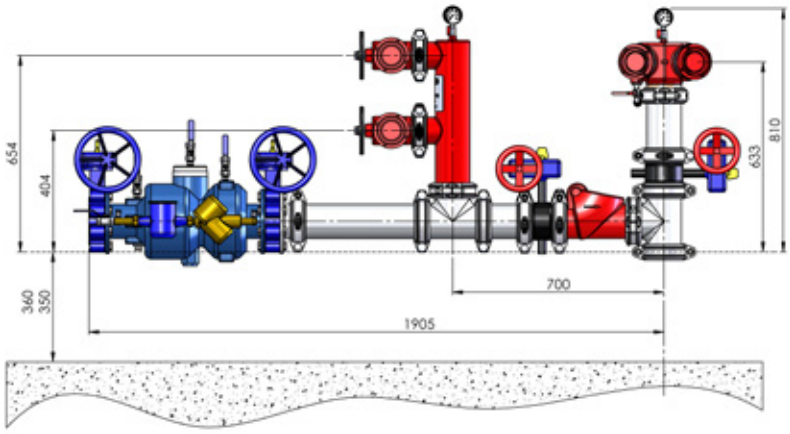
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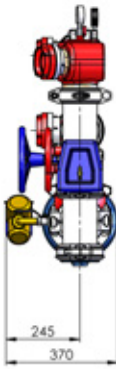
- Designed to meet requirements of AS2419.1

Installation

- To be installed in accordance with AS2419.1 and local regulations

100NB Combined Suction/Booster Assembly with Backflow - 2 Point

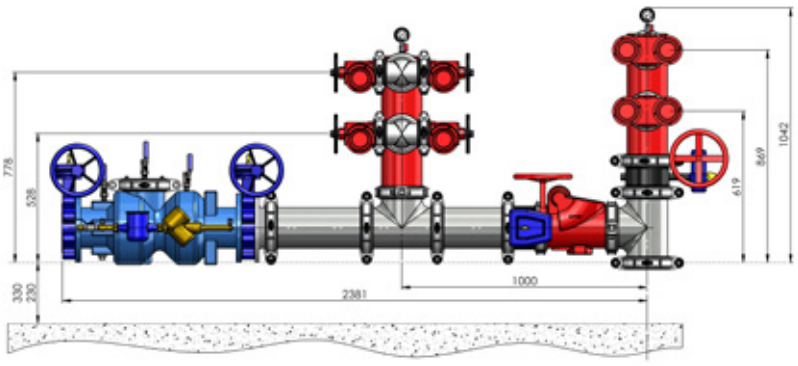


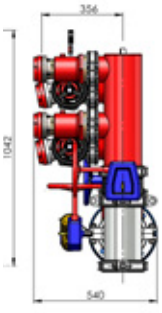


Dimensions = mm
Drawing #FH047

Part Number
FFS-100MMBFP-S
Product Group: FP02

150NB Combined Suction/Booster Assembly with Backflow - 4 Point





Dimensions = mm
Drawing #FH048

Part Number
FFS-150MMBFP-S
Product Group: FP02

NSW Twin Hydrant Riser

Application

- Hydrant assemblies designed for installation in either feed or attack hydrant applications.

Features

- 100NB medium wall galvanised pipe riser
- Galvanised bullhead tee and couplings
- Hydrant valves complete with 65NB forged alloy NEN3374 Storz connection and plastic cap & lanyard

Approvals

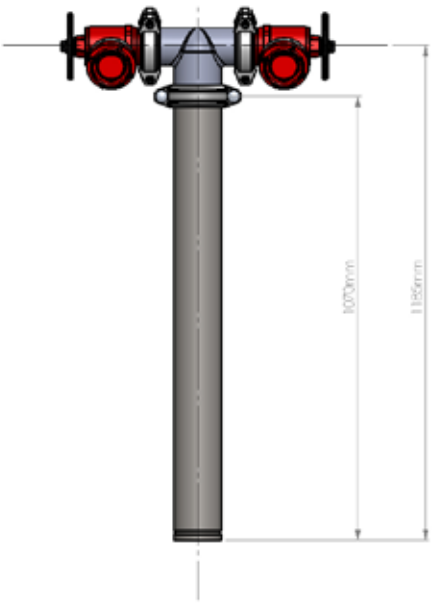
- Designed to meet requirements of AS2419.1

Installation

- To be installed in accordance with AS2419.1

Grooved Connection





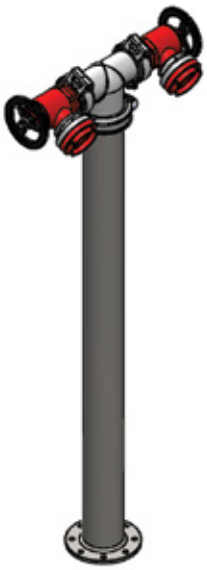
Features

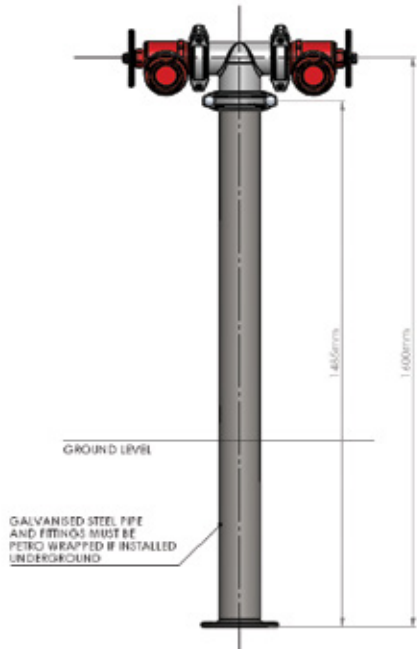
- 100NB medium wall galvanised pipe riser with roll groove connection
- Assembled height 1185mm

Part Number
FKG-HR-114-88-S

Product Group: FP02

Flanged Connection





Features

- 100NB roll grooved riser with option of welded Table E flange
- Assembled length 1600mm

Part Number
FKG-HR-114-88-A

Product Group: FP02

VIC/TAS Combined Suction/Booster Assemblies

Application

- Combined suction/booster assemblies consist of an arrangement of valves and pipework designed to increase the pressure & volume of hydrant water for firefighting purposes.

Features

100NB & 150NB Storz Combined Suction/Booster

- UL/FM approved grooved butterfly valve
- UL/FM approved grooved check valve
- Fire booster valve - dual outlet
- Storz hydrant valve with 35° oblique angle outlet
- Suction manifold hot-dip galvanised
- 65NB forged alloy NEN3374 Storz connection

150NB Storz Combined Suction/Booster

- Suction/booster pipe manifolds are hot-dip galvanised and painted signal red

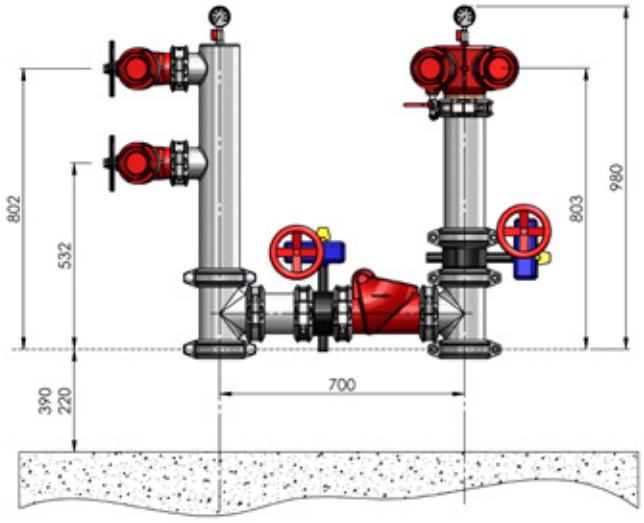
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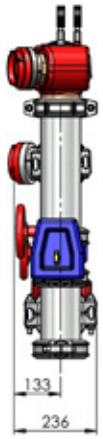
- Designed to meet requirements of AS2419.1

Installation

- To be installed in accordance with AS2419.1 and local regulations

100NB Storz Combined Suction/Booster Assembly - 2 Point

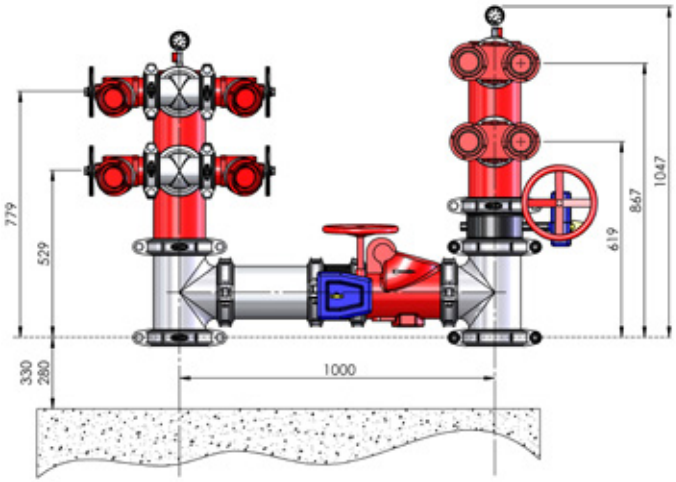


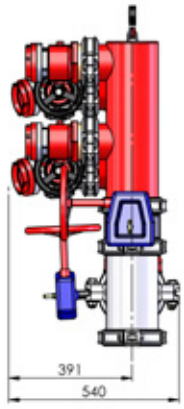


Dimensions = mm
Drawing #FH050

Part Number
FFS-HP100MFB
Product Group: FP02

150NB Storz Combined Suction/Booster Assembly - 4 Point





Dimensions = mm
Drawing #FH056

Part Number
FFS-HP150MFB
Product Group: FP02

VIC/TAS Combined Suction/Booster Assemblies c/w Backflow Prevention

Application

- Combined suction/booster assemblies consist of an arrangement of valves and pipework designed to increase the pressure & volume of hydrant water for firefighting purposes.

Features

- UL/FM approved grooved GOP butterfly valve
- UL/FM approved grooved check valve
- Fire booster valve - dual outlet
- Storz hydrant valves with 35° oblique angle outlet
- Backflow prevention - Single Detector Check Valve (SDCV) with bypass, includes spacer for council water meter
- Stainless steel suction manifold and inlet (upstream of SDCV)
- Booster manifold hot-dip galvanised (downstream of SDCV)

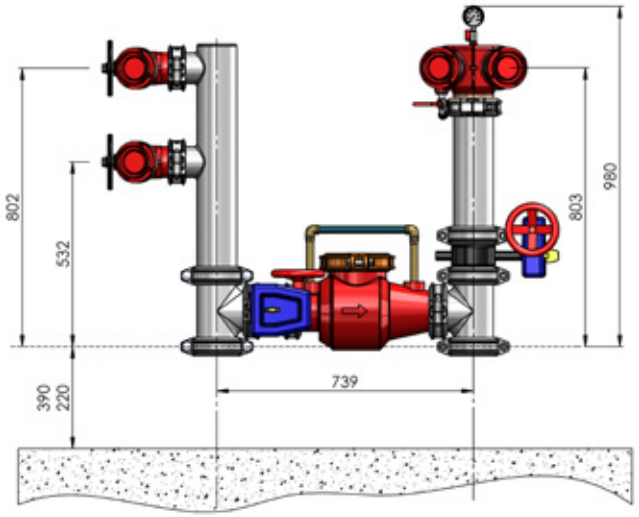
Approvals

- Designed to meet requirements of AS2419.1

Installation

- To be installed in accordance with AS2419.1 and local regulations

100NB Combined Suction/Booster Assembly with Backflow - 2 Point





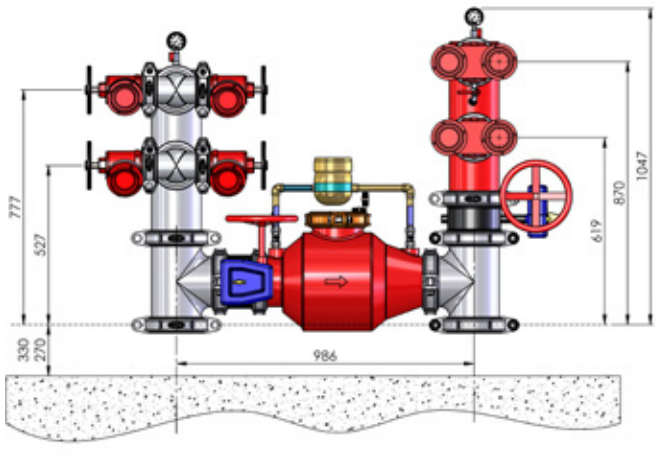
Dimensions = mm
Drawing #FH051

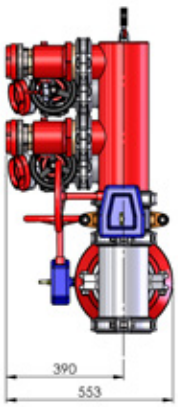
Part Number

FFS-HP100MFBSE

Product Group: FP02

150NB Combined Suction/Booster Assembly with Backflow - 4 Point





Drawing #FH058
Dimensions = mm

Part Number

FFS-HP150MFBSE

Product Group: FP02

VIC/TAS Twin Hydrant Riser

Application

- Hydrant assemblies designed for installation in either feed or attack hydrant applications.

Features

- 100NB galvanised riser roll grooved connection
- Galvanised 35° bullhead tee and couplings
- Storz hydrant valve with 35° oblique angle outlet
- Assembled height 1085mm

Approvals

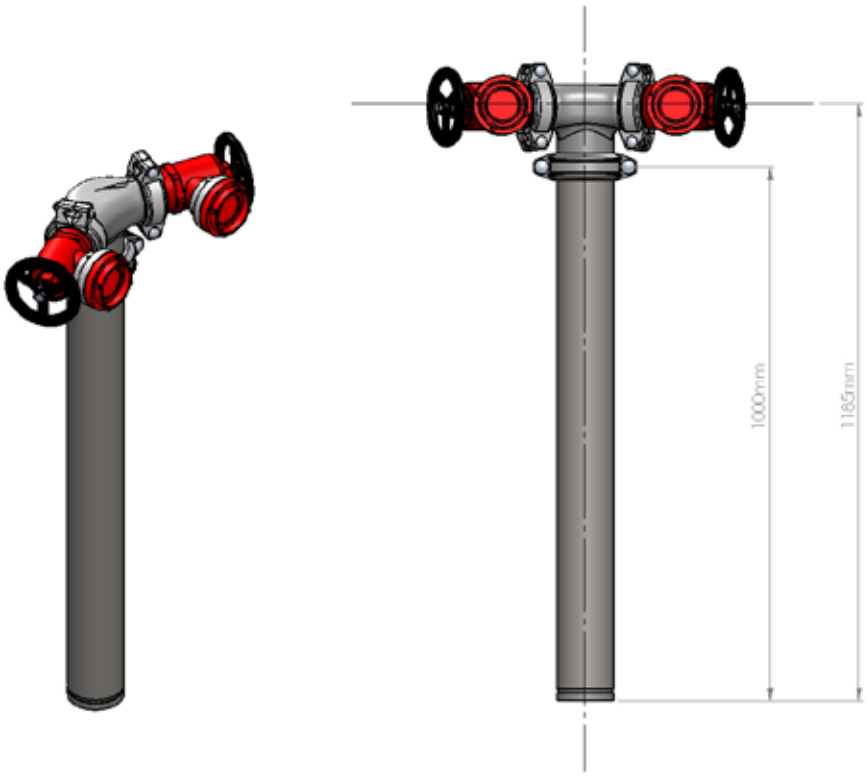
- Designed to meet requirements of AS2419.1

Installation

- To be installed in accordance with AS2419.1

Part Number
FKG-HR-114-STO-A

Product Group: FP07



SA Combined Suction/Booster Assemblies

Application

- Combined suction/booster assemblies consist of an arrangement of valves and pipework designed to increase the pressure & volume of hydrant water for firefighting purposes.

Features

- UL/FM approved gear operated grooved butterfly valve
- UL/FM approved grooved check valve
- Storz hydrant valves DR brass
- Fire booster valve - dual outlet
- Suction/booster pipe manifolds are hot-dip galvanised and painted signal red

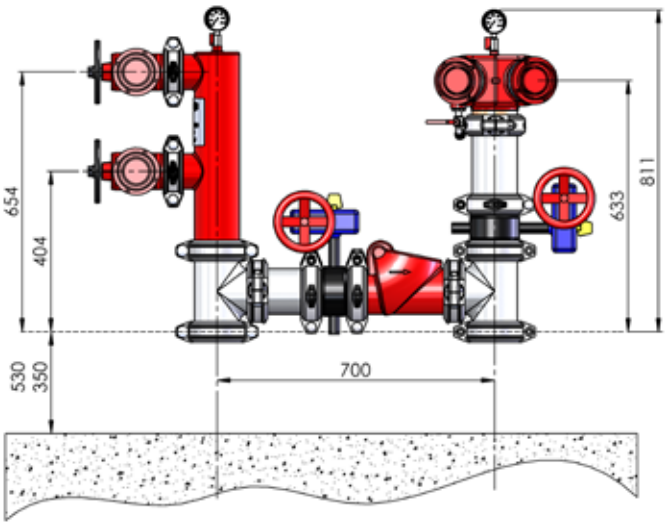
Approvals

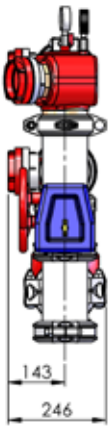
- Designed to meet requirements of AS2419.1

Installation

- To be installed in accordance with AS2419.1 and local regulations

100NB Combined Suction/Booster Assembly - 2 Point





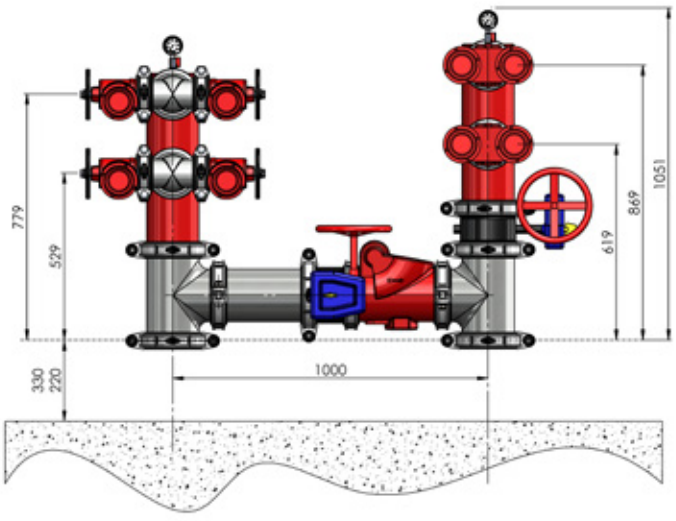
Dimensions = mm
Drawing #FH045

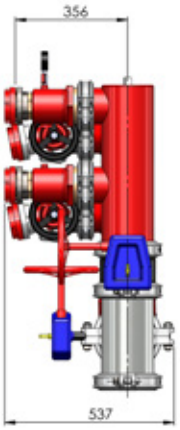
Part Number

FFS-100MMCSB-A

Product Group: FP02

150NB Combined Suction/Booster Assembly - 4 Point





Dimensions = mm
Drawing #FH081

Part Number

FFS-150MMCSB-A

Product Group: FP02

SA Combined Suction/Booster Assemblies c/w Backflow Prevention

Application

- Combined suction/booster assemblies consist of an arrangement of valves and pipework designed to increase the pressure & volume of hydrant water for firefighting purposes.

Features

- UL/FM gear operated grooved butterfly valve
- Watermark lugged GOP butterfly valve
- Backflow prevention - Single Check Valve Testable (SCVT)
- Storz fire booster valve - dual outlet
- Storz hydrant valves DR brass
- Stainless steel suction manifold (upstream of SCVT)
- Booster manifold hot-dip galvanised (downstream of SCVT)

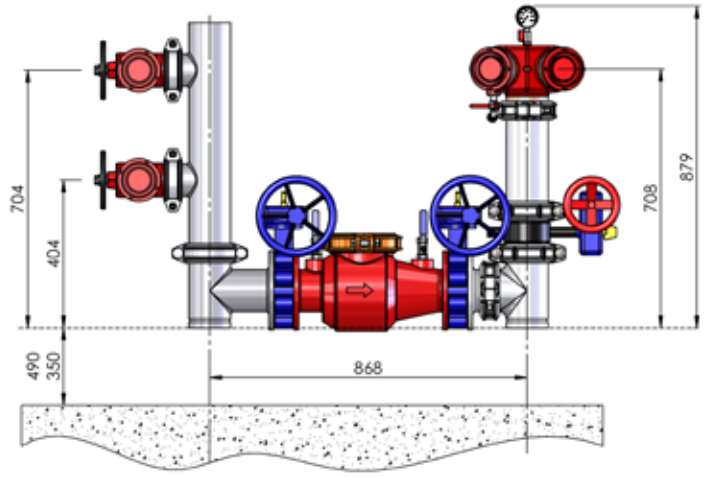
Approvals

- Designed to meet requirements of AS2419.1

Installation

- To be installed in accordance with AS2419.1 and local regulations

100NB Combined Suction/Booster Assembly with Backflow - 2 Point





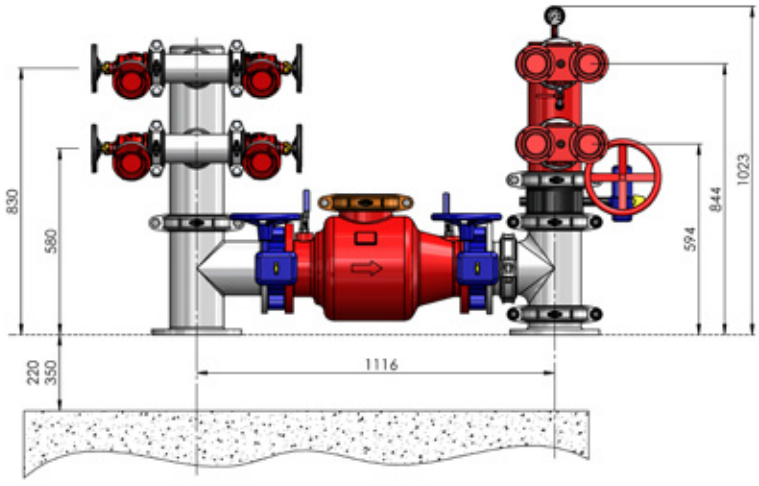
Dimensions = mm
Drawing #FH069

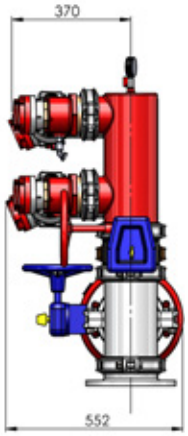
Part Number

FFS-100MMBFP-SA

Product Group: FP02

150NB Combined Suction/Booster Assembly with Backflow - 4 Point





Dimensions = mm
Drawing #FH070

Part Number

FFS-150MMBFP-SA

Product Group: FP02

SA Twin Hydrant Riser

Application

- Hydrant assemblies designed for installation in either feed or attack hydrant applications.

Features

- 100NB galvanised riser with welded Table E flange connection
- Galvanised bullhead tee and couplings
- Storz hydrant valves DR brass
- Assembled height 1600mm

Approvals

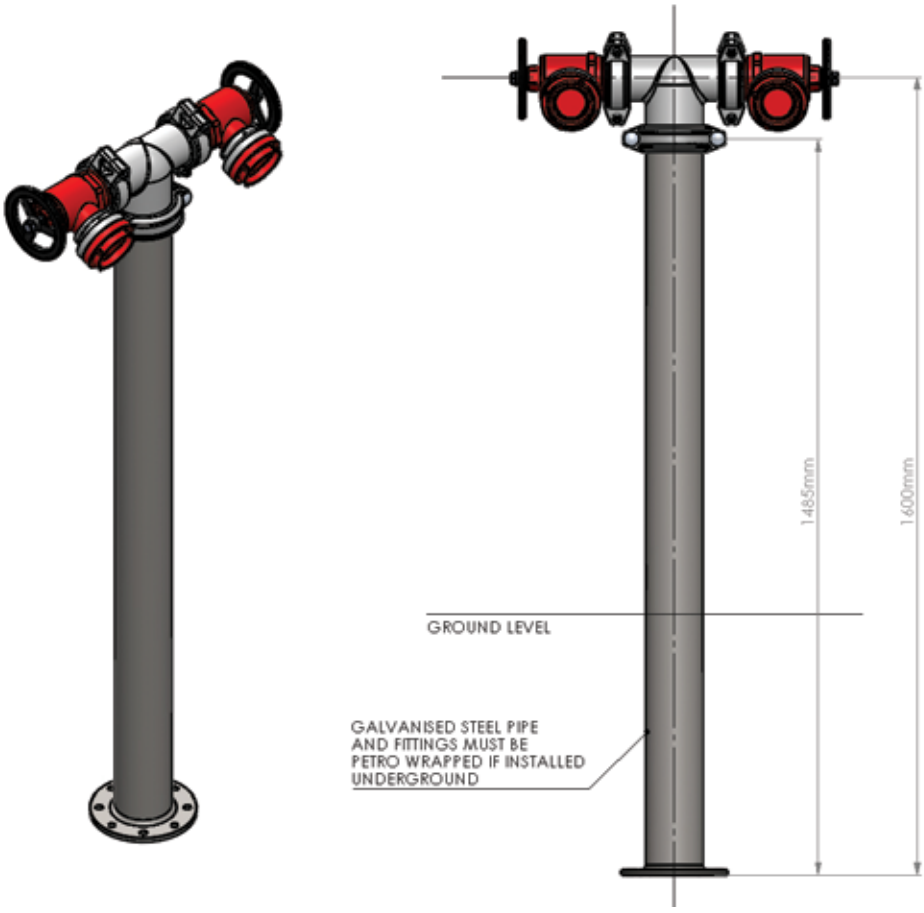
- Designed to meet requirements of AS2419.1

Installation

- To be installed in accordance with AS2419.1

Part Number
FKG-HR-114-88-A

Product Group: FP02



Storz Tank Suction Assemblies

Application

- Assemblies are designed to provide firefighting agencies access to water storage tanks, typically found adjacent to commercial buildings.

Features

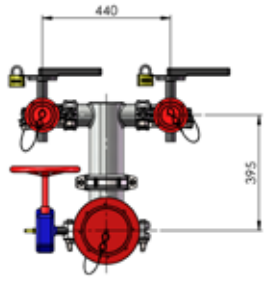
- 150NB UL/FM lever operated roll grooved butterfly valve
- 65NB Aluminium Storz connection points
- 65NB lever operated roll grooved butterfly valves

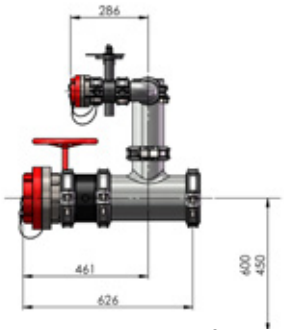
Approvals

- Designed to meet requirements of AS2419.1

Installation

- To be installed in accordance with AS2419.1 and local regulations





Drawing #FH071

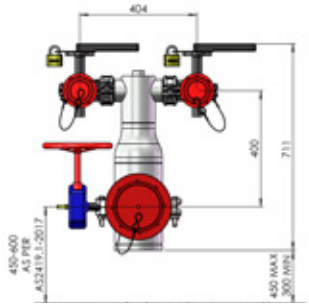
150NB Storz - Rear Entry

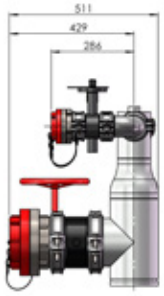
Features

- 150NB Aluminium Storz connection
- Required for South Australia MFS response regions

Part Number
FFS-TSA-SA-1

Product Group: FP02





Drawing #FH091

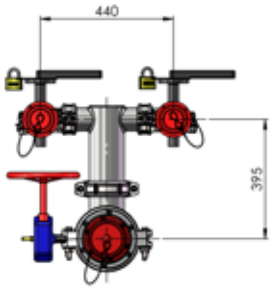
150NB Storz - Bottom Entry

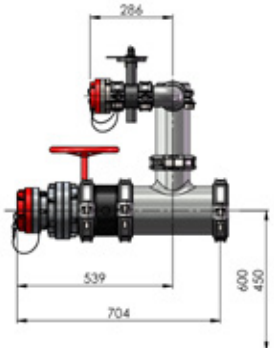
Features

- 150NB Aluminium Storz connection
- Required for South Australia MFS response regions

Part Number
FFS-TSA-SA-1-B

Product Group: FP02





Drawing #FH091

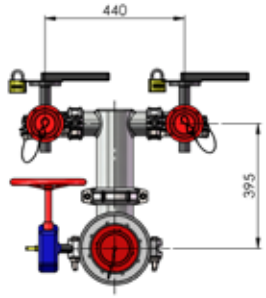
125NB/100NB Storz - Rear Entry

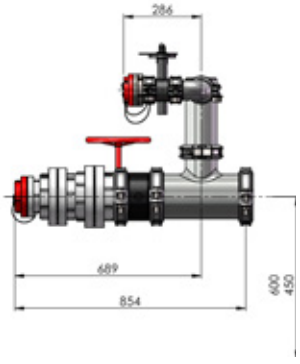
Features

- 125NB/100NB Aluminium Storz connection
- Required for South Australia CFS regions

Part Number
FFS-TSA-SA-2

Product Group: FP02





Drawing #FH073

150NB/125NB/100NB - Rear Entry

Features

- 150NB/125NB/100NB Aluminium Storz connection
- Required for South Australia CFS/MFS dual response regions

Part Number
FFS-TSA-SA-3

Product Group: FP02

NT Combined Suction/Booster Assemblies

Application

- Combined suction/booster assemblies consist of an arrangement of valves and pipework designed to increase the pressure & volume of hydrant water for firefighting purposes.

Features

100NB & 150NB Storz Combined Suction/Booster

- UL/FM approved roll grooved butterfly valve
- UL/FM approved roll grooved check valve
- Fire booster valve - dual outlet
- BI hydrant valve DR brass

150NB Storz Combined Suction/Booster

- Suction/booster pipe manifolds are hot-dip galvanised

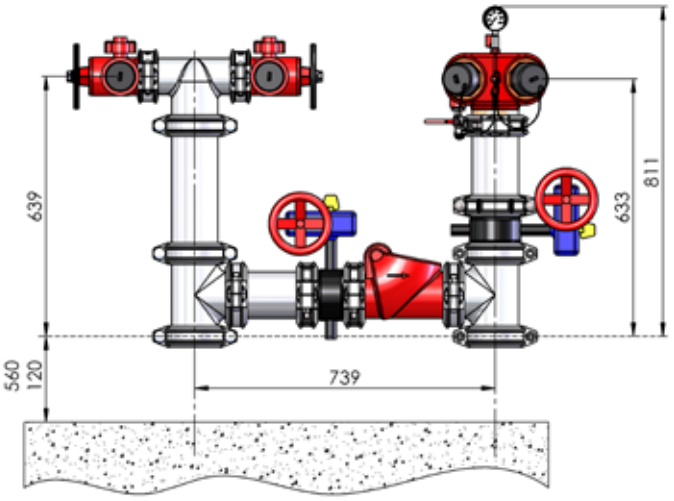
Approvals

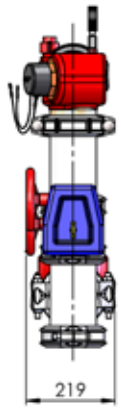
- Designed to meet requirements of AS2419.1

Installation

- To be installed in accordace with AS2419.1 and local regulations

100NB Combined Suction/Booster Assembly - 2 Point





Part Number

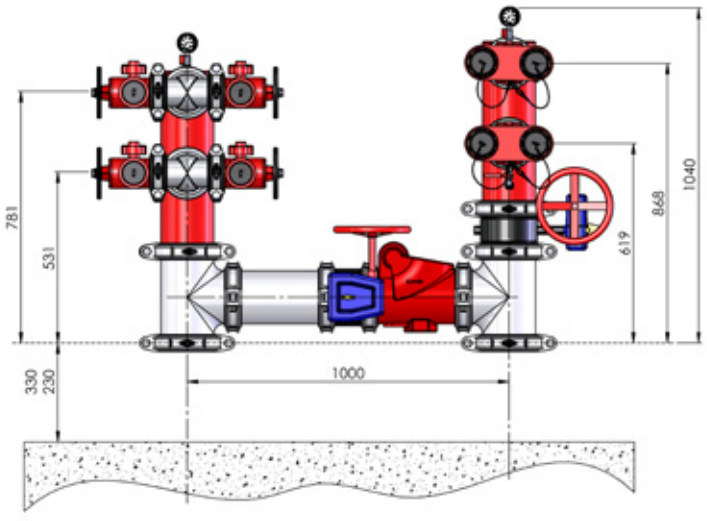
FFS-100MMCSB-NT

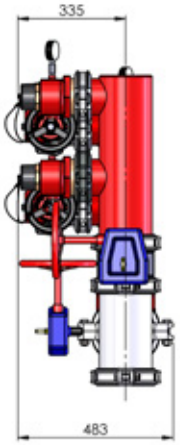
Product Group: FP02

Dimensions = mm

Drawing #FH098

150NB Combined Suction/Booster Assembly - 4 Point





Part Number

FFS-150MMCSB-NT

Product Group: FP02

Dimensions = mm

Drawing #FH059

NT Twin Hydrant Riser

Application

- Hydrant assemblies designed for installation in either feed or attack hydrant applications.

Features

- 100NB galvanised riser with welded Table E flange connection
- BI hydrant valves DR brass
- Assembled length 1600mm

Approvals

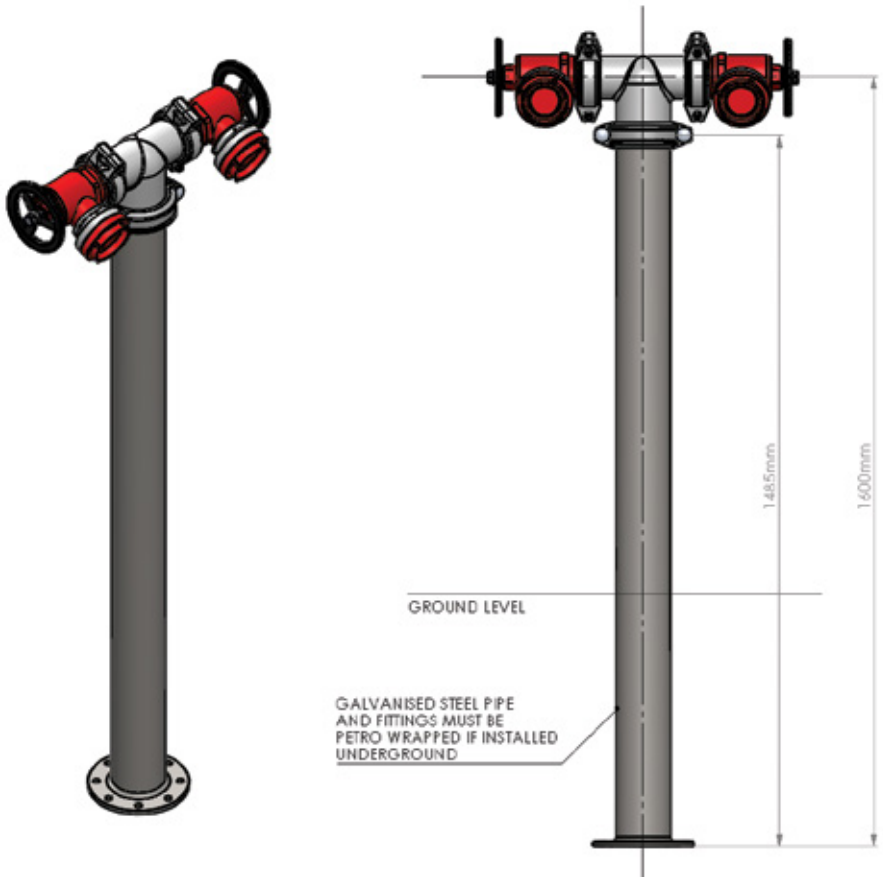
- Designed to meet requirements of AS2419.1

Installation

- To be installed in accordance with AS2419.1

Part Number
FKG-HR-114-88-NT

Product Group: FP07



WA Combined Suction/Booster Assemblies

Application

- Combined suction/booster assemblies consist of an arrangement of valves and pipework designed to increase the pressure & volume of hydrant water for firefighting purposes.

Features

100NB & 150NB Storz Combined Suction/Booster

- UL/FM approved grooved butterfly valve
- UL/FM approved grooved check valve
- BI fire booster valve - dual outlet
- BI hydrant valve DR brass
- Vertically mounted hydrant valve

150NB Storz Combined Suction/Booster

- Suction/booster pipe manifolds are hot-dip galvanised and painted signal red

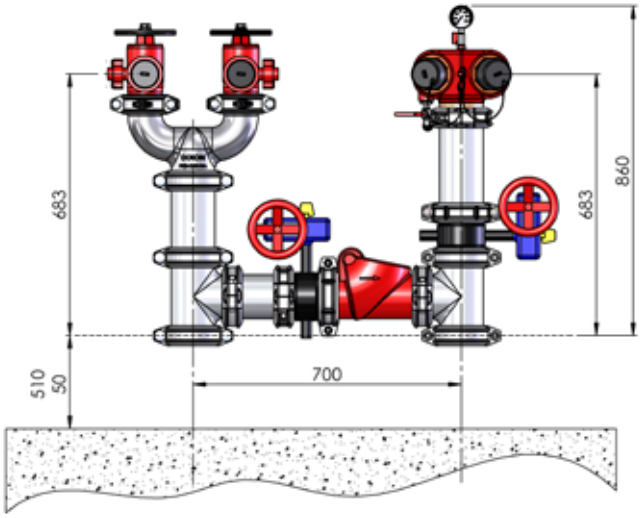
Approvals

- Designed to meet requirements of AS2419.1

Installation

- To be installed in accordance with AS2419.1 and local regulations

100NB Combined Suction/Booster





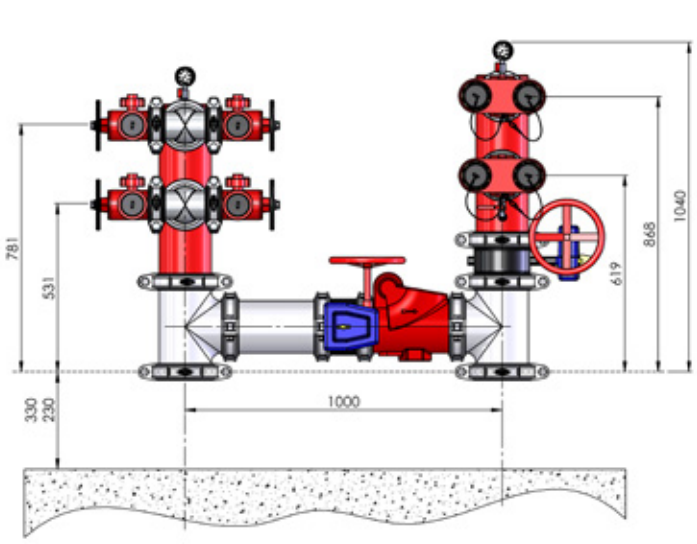
Drawing #FH062
Dimensions = mm

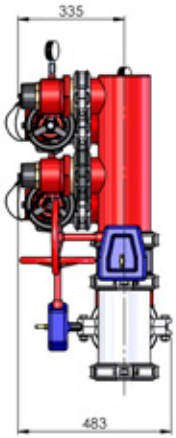
Part Number

FFS-100MMCSB

Product Group: FP02

150NB Combined Suction/Booster





Drawing #FH064
Dimensions = mm

Part Number

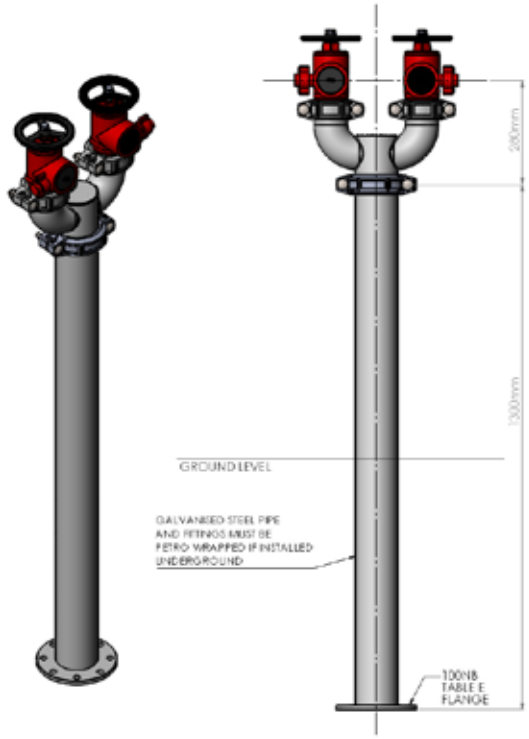
FFS-150CSB-BIC

Product Group: FP02

WA Twin Hydrant Riser

Application

- Hydrant assemblies designed for installation in either feed or attack hydrant applications.



Features

- 100NB galvanised riser with welded Table E flange
- Galvanised WA dual head tee and couplings
- BI hydrant valves DR brass
- Riser and tee hot-dip galvanised
- Assembled length 1580mm

Approvals

- Designed to meet requirements of AS2419.1

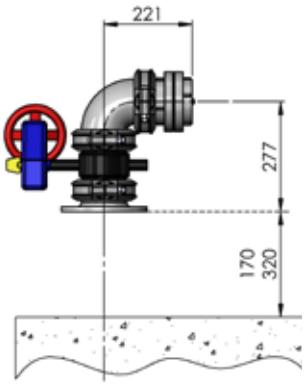
Installation

- To be installed in accordance with AS2419.1

Part Numbers	Size (NB)
FKG-HR-114-88KIT	100
FKG-HR-165-88KIT	150

Product Group: FP07

WA Tank Suction Assemblies



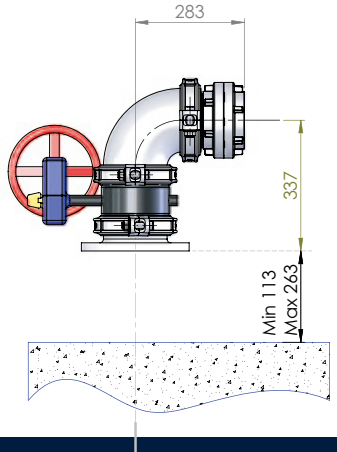


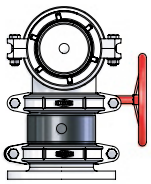
Drawing #FH063
Dimensions = mm

125NB Storz Outlet x 100NB Inlet

Part Number
FFS-100MM-ST

Product Group: FP02





Drawing #FH065
Dimensions = mm

125NB Storz Outlet x 150NB Inlet

Part Number
FFS-150MM-ST

Product Group: FP02

Cabinets to Suit Combined Suction/Booster Assemblies

Application

- Combined suction/booster assemblies consist of an arrangement of valves and pipework designed to increase the pressure and volume of hydrant water for firefighting purposes.

Features

- Suitable for 100NB & 150NB combined suction/boosters

Installation

- To be installed in accordance with AS2419.1 and local regulations



Image shows the lift off door type with budget lock option

Part Numbers	Length - A (mm)	Depth - B (mm)	Height - C (mm)	Number of Legs	Height of Legs (mm)	Door Type	Lock Type	Label Stickers
FFS-CSBC150-QLD	2000	870	1500	4	50	Hinged	Key Lock (003)	'SUCTION', 'BOOSTER', 'FH'
FFS-CSBC150-VIC	2295	700	1500	6	300	Hinged	Key Lock (003)	'SUCTION', 'BOOSTER', 'FH'
FFS-CSBC150-SA[1]	2200	650	1500	4	50	Lift Off	Budget	'SUCTION', 'BOOSTER', 'FH'
FFS-CSBC150-WA	2000	650	1500	4	50	Lift Off	Budget	'FIRE', 'HYDRANT', 'BOOSTER', 'FH'

[1]This cabinet suits both SA & NT combined suction/boosters

Product Group: FP02

Fire Hydrant Landing Valves

QRT - Queensland

Features

- Outlet - DN65 QRT (Queensland round thread) male
- Inlet options:
  - DN80 roll grooved with internal DN65 BSP female thread,
  - DN65 BSP male thread
- Complete with plastic cap and chain

Specifications

- QRT - 2TPI 12.7 pitch
- DN80 machined roll groove to ANSI/AWWA C606
- DN65 BSP threads to ISO 7.1
- 1400kPa working pressure, 3200kPa test pressure
- Tested pressure loss AS2419.3 part 4.3.4 <25kPa @ 10L/S

Approvals

- Watermark certification
- Compliant with AS2419.2

Installation

- Suitable for both vertical and horizontal mounting to AS2419.1

Materials

- DR brass body in accordance with AS2345 & AS1565



QRT Roll Grooved/BSP Female - Queensland

Part Numbers	Size (NB)		Material
	Outlet	Inlet	
FFS-LVQRT-RGB	DN65 QRT male	DN80 roll grooved with internal DN65 BSP female thread	DR Brass

Product Group: AB03



QRT BSP Male - Queensland

Part Numbers	Size (NB)		Material
	Outlet	Inlet	
FFS-LVQRT-65B	DN65 QRT male	DN65 BSP male thread	DR Brass

Product Group: AB03



FFS-LVCP-Q

FFS-LVCB-QRT

QRT - Cap & Chain

Part Numbers	Material
FFS-LVCP-Q	Plastic
FFS-LVCB-QRT	Brass

Product Group: AB03

Fire Hydrant Landing Valves

Storz - New South Wales, South Australia, Victoria & Tasmania

Features

- Outlet - DN65 Storz aluminium adaptor - forged NEN3374
- Inlet - DN80 roll groove with internal DN65 BSP female thread
- Complete with plastic cap and cable

Specifications

- DN65 Storz aluminium adaptor - forged NEN3374
- DN80 machined roll groove to ANSI/AWWA C606
- DN65 BSP female thread to ISO 7.1
- 1400kPa working pressure, 3200kPa test pressure
- Tested pressure loss AS2419.3 part 4.3.4 <25kPa @ 10L/S

Approvals

- Watermark certification
- Compliant with AS2419.2

Installation

- Suitable for both vertical and horizontal mounting to AS2419.1

Materials

- DR brass body in accordance with AS2345 & AS1565

Storz 90° - New South Wales, South Australia, Tasmania

Part Numbers	Size (NB)		Material
	Outlet	Inlet	
FFS-LV-STORZ90	DN65 Storz	DN80 roll grooved with internal DN65 BSP female thread	DR Brass

Product Group: AB03



Storz 135° Oblique - Victoria & Tasmania

Part Numbers	Size (NB)		Material
	Outlet	Inlet	
FFS-LV-STORZ	DN65 Storz	DN80 roll grooved with internal DN65 BSP female thread	DR Brass

Product Group: AB03



Storz - Cap & Cable

Part Numbers	Material
FFS-STCAP-P	Plastic

Product Group: AB03



Fire Hydrant Landing Valves

BI - Western Australia & Northern Territory

Features

- Outlet - DN65 BI (British Instantaneous) female
- Available inlet options - DN80 roll groove with internal DN65 BSP female thread
- DN65 BSP male thread
- Complete with plastic plug and chain

Specifications

- DN65 BI to BS336
- DN80 machined roll grooved to ANSI/AWWA C606
- DN65 BSP threads to ISO 7.1
- 1400kPa working pressure, 3200kPa test pressure
- Tested pressure loss AS2419.3 part 4.3.4 <25kPa @ 10L/S

Approvals

- Watermark certification
- Compliant with AS2419.2

Installation

- Suitable for both vertical and horizontal mounting to AS2419.1

Materials

- DR brass body in accordance with AS2345 & AS1565



BI Roll Grooved/BSP Female - Western Australia & Northern Territory

Part Numbers	Size (NB)		Material
	Outlet	Inlet	
FFS-LVBI-RG	DN65 BI female	DN80 roll grooved with internal DN65 BSP female thread	DR Brass

Product Group: AB03



BI BSP Male - Western Australia & Northern Territory

Part Numbers	Size (NB)		Material
	Outlet	Inlet	
FFS-LVBI-BSP	DN65 BI female	DN65 BSP male	DR Brass

Product Group: AB03



BI - Plug & Chain

Part Numbers	Material
FFS-MIS001P	Plastic

Product Group: AB03

Fire Hydrant Valve Lockout Device

Application

- Prevents unauthorised access to fire service and industrial valves. The device rotates freely around the hand wheel to prevent the valve wheel from turning. Is made from high grade PVC that is resistant to cracking, abrasion, and extreme weather, while also being UV-resistant. Also known as an anti tamper or vandel proof device.



Part Number	Description
FFS-LVLOC65	Suits all size hydrant landing valves

Padlock and landing hydrant valve not included
Padlock 003 refer to page 457

Product Group: FP02

Fire Booster Valves - Dual Outlet

Features

- **QRT** - DN65 female outlets, inlet DN100 roll groove
- **Storz** - DN65 outlets aluminium Storz adaptor - forged NEN3374
- **BI** - DN65 male outlets
- Supplied with plastic cap or plug and cable, drain tap, gauge cock, and pressure gauge
- Rear or bottom entry styles available

Specifications

- 304 stainless steel construction
- 2100kPa working pressure, 3150kPa onsite test pressure

Approvals

- Compliant with AS/NZS 2419.3-2012



Rear Entry



Bottom Entry

QRT - Queensland

Part Numbers	Size (NB)		Material
	Outlet	Inlet	
FFS-100TB-Q/RG	DN65 QRT female	DN100 roll groove - rear entry	304SS
FFS-100TB-Q/RGBE	DN65 QRT female	DN100 roll groove - bottom entry	304SS

Product Group: FP02



Rear Entry



Bottom Entry

Storz - New South Wales, South Australia, Victoria & Tasmania

Part Numbers	Size (NB)		Material
	Outlet	Inlet	
FFS-100MMTMB-RES	DN65 Storz	DN100 roll groove - rear entry	304SS
FFS-100MMTMB-BES	DN65 Storz	DN100 roll groove - bottom entry	304SS

Product Group: FP02



Rear Entry



Bottom Entry

BI - Western Australia & Northern Territory

Part Numbers	Size (NB)		Material
	Outlet	Inlet	
FFS-100MMTMB	DN65 BI male	DN100 roll groove - rear entry	304SS
FFS-100MMTMB-BOT	DN65 BI male	DN100 roll groove - bottom entry	304SS

Product Group: FP02

Fire Hose Reel



Applications
- Used for fire fighting purposes.

Features
- Factory assembled with 19mm ID x 36m hose
- Twist operation brass hose nozzle
- Galvanised and coated mild steel body
- Fixed mounting
- Corrosion resistant waterway
- Watermark certified stop valve

Installation
- Mounting instructions provided with unit
- To be installed in accordance with AS 2441

Specifications
- Minimum discharge rate 0.45 l/s @ 220kpa
- Tested to 1.7MPa as per AS/NZS 1221:1997
- Hose tested in accordance with AS1180.5
- Plate diameter 460mm
- 25mm BSP inlet pipe
- Weight = 23kg
- Box Dimensions = 55 x 50 x 33cm

Standards
- Conforms to AS/NZS 1221: 1997

Standard - Fixed

Part Numbers	Description
FFS-HR-36B	19mm ID x 36m standard fixed

Product Group: FP06

Fire Hose Reel Accessories



Size (mm)	Part Number	Material	Description
19	FFS-HRNB	Brass	Twist nozzle - jet/spray

Product Group: FP08



Size (mm)	Part Number	Material	Description
25	FFS-HRSV	Nickel plated brass	BSPF x BSPF hose reel stop valve

Product Group: FP06



Part Number	Description	Material	Dimensions (mm)
FFS-HRMB	Hose reel mounting bracket	Plated steel	150 W x 100 H

Product Group: FP06



Part Number	Description
FFS-HRGA	Hose reel guide arm

Product Group: FP06

Fire Hose Reels

Application

- Used for fire fighting purposes.

Features

- Twist operation brass hose nozzle
- Corrosion resistant waterway
- Watermark certified stopvalve
- Wall mounted

Specifications

- Minimum discharge rate 0.45 l/s @ 220kpa
- Tested to 1.7MPa as per AS/NZS 1221:1997
- Hose tested in accordance with AS1180.5

Standards

- Conforms to AS/NZS 1221: 1997

Fixed Type

Part Numbers	Description
HRS035A-50	19mm ID x 50m fixed
FFS-HRS036A	25mm ID x 30m fixed

Product Group: FP06



Fixed Type - Stainless Steel

Part Number	Description
HRS036A-SS	19mm ID x 36m stainless steel fixed

Product Group: FP06



Swing Type

Part Numbers	Description
HRS037A	19mm ID x 36m swing arm

Product Group: FP06



Hose Reel Stand - Universal Mount

Application

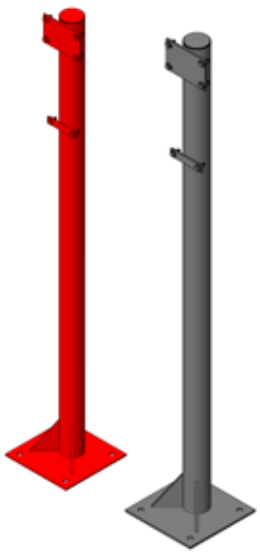
Dixon's hose reel stand provides a free standing installation option for Dixon's fixed fire hose reel and wash down hose reel ranges. The stand features a universal mounting plate design which also accommodates the fitment of other brands of fire hose reels with industry standard mounting brackets.

Specifications

- Heavy-duty welded steel construction
- Available in two finish options:
  - Galvanised steel
  - Painted signal red
- Flat base - 4mm plate - with four pre-drilled bolt holes. Suits M12 fixings (not included)
- Mounting plate with slotted bolt holes to allow universal fitment of other brands
- Includes galvanised nuts, bolts and washers for the mounting bracket
- Stand height: 1560mm
- Weight 15kg

Part Number	Description
HRSTAND	Hot dipped galvanised direct mount hose reel stand
HRSTAND-RED	Painted red direct mount hose reel stand

Product Group: FP03



Cabinet/Door Mounted Swing Fire Hose Reel

Applications

- These hose reel cabinet assemblies are designed to satisfy architects and building contractors requirements for good presentation, space saving and functional design. The hose reel and cabinet is easily installed and connections to hose reel inlet couplings is accessible from the bottom of the cabinet.



Specifications

- Dimensions: 870 (H) x 770 (W) x 360mm (D)
- Material: mild steel
- Epoxy coated powder red

Hose Size	Part Numbers	Description
19mm x 36m	HRS072P	19mm x 36m door mounted hose reel - pushlock right hand
19mm x 36m	HRS072K	19mm x 36m door mounted hose reel - keylock right hand
19mm x 36m	HRS072P-LH	19mm x 36m door mounted hose reel - pushlock left hand

Product Group: FP06

Fire Hose Reel Cabinets

Application

- This wall-mounted cabinet is constructed from mild steel and finished with a red powder coating. It is specifically designed to house fixed fire hose reels, providing both protection and easy accessibility.



Wall Mounted Installation

Part Numbers	Description
HRSCKDK	Keylock, breakglass, no back plate
HRSCKDP	Pushlock, no back plate

Product Group: FP03



Fire hose reel not included

Floor Mounted Installation

Part Numbers	Description
CAB-HR-KLWS	Keylock, breakglass, with backplate and stand

Product Group: FP03

Continuous 'A' Frame Hose Reel

Application

- The continuous flow hose reel can be operated by one person, which allows immediate and continuous flow of water at all times during deployment of hose. The unit comes complete with a heavy-duty hose, quick opening ball valve, rewinding handle and nozzle.



Hose Size	Part Numbers	Description
19mm x 36m	HRS059-19	Continuous flow hose reel
25mm x 30m	HRS059	Stand to suit above cabinets
40mm x 30m	HRS015	Surround to suit above cabinets

Product Group: FP06

Hose Reel Accessories

Size		Part Number	Description
mm	inch		
19	¾	FFS-HRNP-HT	Plastic hose tail nozzle

Product Group: FP08



Size		Part Number	Description
mm	inch		
20	¾	FFS-HRN-BALL	Brass nozzle - ball valve lever type

Product Group: FP08



Part Number	Description
HRC-COVER	Vinyl hose reel cover

Product Group: FP011



Padlock 003

Part Number	Description
FFS-003	003 Fire brigade padlock

Product Group: FP09



Plumbers Hemp & Soap

Part Numbers	Description
FFS-HEMLAR	Plumbers hemp bale 16mm x 44mtr
FFS-HEMSM	Hemp small ball
FFS-BSOAP	Plumbers soap bar

Product Group: HP02



Fire Fighting Hydrant & Stand Pipe Assemblies

Part Number	Thread Type	Description
F25SP	BSP	25mm fire hydrant galvanised stand pipe

Product Group: AB03

Part Number	Thread Type	Description
LWGBASP	BSP	65mm BSP single headed stand pipe in alloy

Product Group: AB03



LWGBASP F25SP

Model C Hose Reel Cabinet



Hose and accessories not included

Specifications

- Dimensions: 1163 (H) x 560 (W) x 300mm (D)
- Material: mild steel
- Thickness: 0.9mm

Installation

- Floor mounted

Capacity

- 2 x diffuser nozzles
- 2 lengths of hose 2½" x 30m

Part Number	Description
HYD071-MS-MC-RD	Model C hose reel cabinet

Product Group: FP06

Model D Hose Reel Cabinet



Hose and accessories not included

Specifications

- Dimensions: 610 (H) x 590 (W) x 340mm (D)
- Material: mild steel
- Thickness: 0.9mm

Installation

- Wall mounted

Capacity

- 2 x diffuser nozzle
- 2 lengths of hose 2½" x 30m

Part Number	Description
HYD071-MS-MD-RD	Model D hose reel cabinet

Product Group: FP06

Model E Hose Reel Cabinet



Hose and accessories not included

Specifications

- Dimensions: 750 (H) x 900 (W) x 500mm (D)
- Material: mild steel
- Thickness: 1.5mm

Installation

- Floor mounted

Capacity

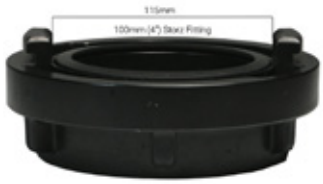
- 2 x fire extinguishers 9.0kg
- 2 x 2½" x 30m canvas hose
- 2 x diffuser nozzle
- 1 x dividing breeching

Part Number	Description
HYD085-MS-ME-RD	Model E hose reel cabinet

Product Group: FP06

Storz Adaptors

Storz Size (mm)	Inside Distance Between Lugs (mm)
25	31
38	52
50	66
65	81
75	89
90	105
100	115
125	148
150	160

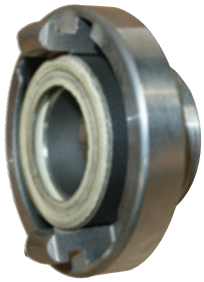


Storz x Thread Adaptors

Size (mm)		Part Numbers		Description
Storz	Thread (NB)	Female	Male	
25	20	SZF2520AL	SZM2520AL	Aluminium Storz x BSP
25	25	SZF2525AL	SZM2525AL	
38	38	SZF4040AL	SZM4040AL	
50	25	SZF5025AL	-	
50	38	SZF5040AL	SZM5040AL	
50	50	SZF5050AL	SZM5050AL	
65	25	-	SZM6525AL	
65	40	SZF6540AL	SZM6540AL	
65	50	SZF6550AL	SZM6550AL	
65	65	SZF6565AL	SZM6565AL	
75	65	-	SZM8065AL	
75	75	SZF8080AL	SZM8080AL	
90	80	SZF9080AL	-	
100	100	SZF100100AL	SZM100100AL	
125	125	SZF125125AL	SZM125125AL	
150	150	SZF150150AL	SZM150150AL	
65	65	SZF65FBT	-	Aluminium Storz x FBT
65	65	SZF65QRT	-	Aluminium Storz x QRT



Female

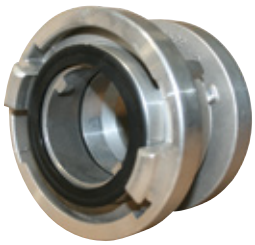


Male

Product Group: BK01

Storz x Storz Reducer

Size (mm)	Part Numbers
65 X 38	SZA065040
65 X 50	SZA065050
75 x 65	SZA080065
90 x 75	SZA090080
100 x 75	SZA100080
100 x 90	SZA100090
125 x 75	SZA125080
125 x 90	SZA125090
125 x 100	SZA125100
150 x 125	SZA150125



Product Group: BK01

Storz Blank Cap with Chain



Size (mm)	Part Numbers
25	SZBC25AL
38	SZBC40AL
50	SZBC50AL
65	SZBC65AL
75	SZBC80AL
90	SZBC90AL
100	SZBC100AL
125	SZBC125AL
150	SZBC150AL

Product Group: BK01

Storz x Hose Tail



Size (mm)		Part Numbers
Storz	Tail	
25	20	SZH2520AL
25	25	SZH2525AL
38	38	SZH4040AL
50	50	SZH5050AL
65	40	SZH6540AL
65	50	SZH6550AL
65	65	SZH6565AL
75	75	SZH8080AL
100	100	SZH100100AL
150	150	SZH150150AL

Product Group: BK01

Storz x Roll Groove Adaptor



Size (mm)		Part Numbers	Description
Storz	Roll Groove		
65	65	SZRG65AL	Storz x roll groove
150	150	SZRG150AL	
125	150	SZRG125150AL	

Product Group: BK01

Storz Spanners



Size (mm)	Part Numbers
25 to 65	STBCSPAN
65 to 150	STABCSPAN

Product Group: BK01

British Instantaneous Adaptors



Size (mm)		Part Numbers					Material
BI	BSP	BI Female x Female BSP	BI Female x Male BSP	BI Female	BI Male x Female BSP	BI Male	
65	50	HYD068-LA-50BSPT	MIS010-LA-50BSPT	-	-	-	Aluminium
65	50	HYD068-GM-50BSPT	-	-	-	-	Brass
65	65	HYD068-LA-65BSPT	MIS010-LA-65BSPT	HYD083-LA-065-NA	-	MIS008-LA-065-NA	Aluminium
65	65	BID250B	BIB250B	-	BIA250B	MIS008-GM-065-NA	Brass

Product Group: BK01

BI Plugs & Caps



Plastic Plug | Brass Plug | Aluminium Alloy | Plastic Cap | Brass Cap

Size (BI)	Part Numbers		Material
	Plugs	Caps	
65	FFS-MIS001P	MISHYC067-PS-BK	Plastic
65	MIS221-LA-100-NA	-	Aluminium alloy
65	BIDC250	BIDP250	Brass

Product Group: BK01

British Instantaneous Coupling Set

Specifications

- Aluminium alloy BS 1490 LM 25
- Brass BS 1400 LG2
- Coupling tail ribbed



Size (mm)		Part Numbers	Material
BI	Hose Tail		
65	38	WRS079-LA-038-NA	Aluminium
65	38	WRS079-GM-038-NA	Brass
65	50	WRS079-LA-050-NA	Aluminium
65	65	WRS079-LA-065-NA	Aluminium
65	65	WRS079-GM-065-NA	Brass

Product Group: BK01

Queensland Round Thread Fittings



QRTM50BF



QRTF50BM

QRT Adaptors

Size (mm)		Part Numbers	Description	Material
QRT	BSP			
63	25	QRTF25BM	Female QRT x male bsp	Brass
63	40	QRTF40BM	Female QRT x male bsp	Brass
63	50	QRTF50BM	Female QRT x male bsp	Brass
63	50	QRTM50BM	Male QRT x male bsp	Brass
63	50	QRTM50BF	Male QRT x female bsp	Brass
63	50	QRTF50BF	Female QRT x female bsp	Brass
63	65	QRTF65BM	Female x QRT x male bsp	Brass
63	65	QRTF65BF	Female QRT x female bsp	Brass
63	65	QRTM65BM	Male QRT x male bsp	Brass
63	65	QRTM65BF	Male QRT x female bsp	Brass
63	65	QRT6565FA	Female QRT x female bsp	Aluminium

Product Group: FP07



QRT Hose Tails

Size (mm)		Part Numbers	Description	Material
QRT	BSP			
63	38	QRTM38HT	Male QRT x hose tail	Brass
63	38	QRTF38HT	Female QRT x hose tail	Brass
63	50	QRTF50HT	Female QRT x hose tail	Brass
63	50	QRTM50HT	Male QRT x hose tail	Brass
63	65	QRTM65HT	Male QRT x hose tail	Brass
63	65	QRTF65HT	Female QRT x hose tail	Brass
63	38	QRT38	QRT ring & tail	Brass
63	65	QRT65	QRT ring & tail	Aluminium

Product Group: FP07

QRT Test Point



Size (mm)	Part Number	Description
65	FFS-QRTXRGTEST	QRT swivel test point by roll groove

Product Group: FP02

QLD Roll Groove Tank Suction Adaptor



Part Number	Description
FFS-125COVX150RG	125mm 3TPI female thread x 150NB roll groove

Product Group: FP02

Polycarbonate Fire & Hose Reel Nozzles

Application

- Dixon's™ polycarbonate fire and hose reel nozzles come in a range of high strength, easy to use, twist operation nozzles from shut-off to jet, and mist spray configuration discharge. Suitable for hose cabinets and a variety of other uses requiring an industrial strength nozzle for water.

Hose Reel Twist Spray Nozzle

Specifications

- Thread: female pipe thread suitable for BSP & NPT
- Seal: rubber gasket creates pressure-type seal
- Material: polycarbonate
- Flow rate: up to 50 l/min
- High impact strength polymer construction

Size		Part Number	Description
mm	inch		
20	¾	HNFR20	Power spray

Product Group: FP08



Power Jet Twist Spray Nozzles

Specifications

- Thread: female pipe thread suitable for BSP & NPT
- Seal: rubber gasket creates pressure-type seal
- Material: polycarbonate
- Moulded body complete with black poly bumper

Size		Part Numbers	Description
mm	inch		
25	1	HNPJ25	Small power jet twist spray
40	1½	HNPJ40	Power jet twist spray

Product Group: FP08



Viper Fire Spray Nozzles

Specifications

- Thread: female pipe thread suitable for BSP
- Seal: rubber gasket creates pressure-type seal
- Material: polycarbonate
- Shut-off, jet & mist effects
- Fixed teeth
- High flow option for fire & industrial applications



25mm Viper



40mm Viper

Size		Part Numbers	Working Pressure		Flow Rate (L/min @ 100PSI)
mm	inch		PSI	Bar	
25	1	FNV025	150	10	150
40	1½	FNV040	150	10	360

Product Group: FP08

Domestic FM Approved Fog Nozzle

Specifications

- Thread: female pipe thread suitable for BSP
- Seal: rubber gasket creates pressure-type seal
- Material: polycarbonate
- Shut-off, jet & mist effects
- High flow option for fire & industrial applications



SL100



SL150

Size		Part Numbers	Working Pressure		Thread	Flow Rate (GPM @ 100PSI)
mm	inch		PSI	Bar		
20	¾	SL075	100	7	NPSH	120° Spray = 30.9
20	¾	SL075GHT	100	7	GHT	120° Spray = 30.9
25	1	SL100	100	7	NPSH	120° Spray = 30.9
25	1	SL100NST	100	7	NPSH	90° Spray = 75
40	1½	SL150	100	7	NST (NH)	90° Spray = 75
40	1½	SL150-NB	100	7	NPSH	90° Spray = 75
40	1½	SL150NST	100	7	NST (NH)	90° Spray = 75

Product Group: AT01

Fog Nozzle with Bumper

Specifications

- Thread: female pipe thread suitable for BSP & NPT
- Seal: rubber gasket creates pressure-type seal
- Material: polycarbonate
- Approvals: factory mutual (FM) approved
- Adjusts from straight stream to fog



Size		Part Numbers	Working Pressure (water only)		Thread	Flow Rate (GPM @ 100PSI)
mm	inch		PSI	Bar		
20	¾	FNB75S	100	7	NPSH	120° Spray = 30.9
25	1	FNB100S	100	7	NPSH	120° Spray = 11.4
40	1½	FNB150S	100	7	NPSH	90° Spray = 83.6

Product Group: AT01

Blue Thermoplastic Refinery Fog Nozzle

Specifications

- Thread: female pipe thread suitable for BSP & NPT
- Seal: rubber gasket creates pressure-type seal
- Material: polycarbonate
- Approvals: factory mutual (FM) approved
- Adjusts from straight stream to fog
- Provides consistent volume at any spray angle
- Resistant to petrochemicals



Size		Part Number	Working Pressure (water only)		Thread	Flow Rate (GPM @ 100PSI)
mm	inch		PSI	Bar		
40	1½	RNB150S	100	7	NPSH	90° Spray = 75

Product Group: AT02

ABE Powder Fire Extinguisher

Application

- Multi-purpose ABE powder is a versatile extinguishant that is used to extinguish class A (carbonaceous) fires, achieved by sealing burning embers. It is also used on class B (flammable liquid) fires and class E (electrical fires). The ABE powder extinguishers are approved by Australian Standard to AS1841.5.



Certified Product
Australian Standard

Technical Specifications

Capacity (kg)	1.0	2.5	4.5	9.0
Part Number	EXT-ABE-1KG	EXT-ABE-2.5KG	EXT-ABE-4.5KG	EXT-ABE-9KG
Fire Class	ABE	ABE	ABE	ABE
Fire Rating	1A:20B:E	3A:40B:E	4A:80B:E	6A:80B:E
Operating Temperature	-20°C to 60°C	-20°C to 60°C	-20°C to 60°C	-20°C to 60°C
Test Pressure	2.5MPa (25 bar)	2.5MPa (25 bar)	2.5MPa (25 bar)	2.5MPa (25 bar)
Operating Pressure 23°C	1,000kPa	1,000kPa	1,400kPa	1,400kPa
Min. Discharge Material	12s	13s	19s	20s
Cylinder Material	Cold roll carbon steel	Cold roll carbon steel	Cold roll carbon steel	Cold roll carbon steel
cylinder Thickness	1.0mm	1.2mm	1.4mm	1.6mm
Operating Valve	Brass	Brass	Brass	Brass
Height	325mm	400mm	490mm	570mm
Diameter	91.5mm	118.5mm	157mm	176mm
Full Weight	1.8kg	4.7kg	7.6kg	12.8kg
Carton Size	110 x 125 x 335	140 x 160 x 430	190 x 210 x 510	215 x 225 x 590

Size (kg)	Part Numbers	Approval
1	EXT-ABE-1KG	AS1841.5
2.5	EXT-ABE-2.5KG	AS1841.5
4.5	EXT-ABE-4.5KG	AS1841.5
9	EXT-ABE-9KG	AS1841.5

Product Group: FP04



Fire Extinguisher Signs

Size (mm)	Part Numbers	Description
190 x 190	EXT-ABESIGN	ABE identification sign
210 x 320	EXT-LOCSIGN	Fire extinguisher location sign medium

Product Group: FP11

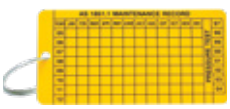




Maintenance Record Tag

Part Number
FFS-MRT

Product Group: FP08



CO^2 Fire Extinguisher

Application

- Carbon dioxide (CO^2) is used on class B (flammable liquid) fires. CO^2 is safe to use on live electrical fires. CO^2 fire extinguishers are available in a variety of sizes with light weight steel cylinders. All fire extinguishers are manufactured and approved to AS1841.5 and AS1841.1.



Technical Specifications

Capacity (kg)	2.0	3.5	5.0
Part Number	EXT-CO2-2KG	EXT-CO2-3.5KG	EXT-CO2-5KG
Fire Class	BE	BE	BE
Fire Rating	2B:E	5B:E	5B:E
Operating Temperature	-20°C to 60°C	-20°C to 60°C	-20°C to 60°C
Test Pressure	22MPa (220 bar)	22MPa (220 bar)	22MPa (220 bar)
Operating Pressure 23°C	5.0 MPa (50 bar)	5.0 MPa (50 bar)	5.0 MPa (50 bar)
Min. Discharge Material	14s	11s	15s
Cylinder Material	Chromium molybdenum BS5045 Part 1	Chromium molybdenum BS5045 Part 1	Chromium molybdenum BS5045 part 1
Operating Valve	Forged Brass	Forged Brass	Forged brass
Height	625mm	595mm	770mm
Diameter	105mm	138mm	138mm
Full Weight	7.9kg	11.8kg	15.1kg
Carton Size	200 x 200 x 635	200 x 245 x 610	230 x 245 x 780



Size (kg)	Part Numbers
2.0	EXT-CO2-2KG
3.5	EXT-CO2-3.5KG
5.0	EXT-CO2-5KG

Product Group: FP04

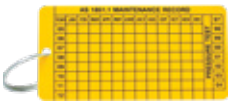
Fire Extinguisher Signs



Size (mm)	Part Numbers	Description
190 x 190	EXT-CO2SIGN	CO^2 identification sign
210 x 320	EXT-LOCSIGN	Fire extinguisher location sign medium

Product Group: FP11

Maintenance Record Tag



Part Number
FFS-MRT

Product Group: FP08

Fire Extinguisher Cabinets

Size (kg)	Part Numbers	Type
9	EXT-CAB-9KG/KL	Keylock
4.5	EXT-CAB-4.5KG/KL	Keylock
9	EXT-CAB-9KG	Pushlock
4.5	EXT-CAB-4.5KG	Pushlock

Product Group: FP04



Keylock Pushlock

Fire Extinguisher Bag

Part Number	Description
EXT-CHDPRCE	PVC extinguisher bag

Product Group: FP04



Extinguisher not included

Fire Extinguisher Heavy-duty Vehicle Bracket

Size (kg)	Part Numbers
2.0 - 2.5	HDVB2.5
4.5	HDVB4.5
9.0	HDVB9.0

Product Group: FP011



Quick Release Vehicle Bracket Kit

Size (kg)	Part Numbers	Description
4.5	QRVBABEEXT45BAG	Quick release vehicle bracket & 4.5kg ABE fire extinguisher with PVC bag & maintenance tag
9.0	QRVBABEEXT90BAG	Quick release vehicle bracket & 9.0kg ABE fire extinguisher with PVC bag & maintenance tag

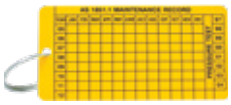
Product Group: FP011



Maintenance Record Tag

Part Number
FFS-MRT

Product Group: FP08



Fire Extinguisher Signs



CO²



ABE



WATER



BE



LOC

Size (mm)	Part Numbers	Description
190 x 190	EXT-CO2SIGN	CO² identification sign
190 x 190	EXT-ABESIGN	ABE identification sign
190 x 190	EXT-WATERSIGN	Water identification sign
190 x 190	EXT-BESIGN	BE identification sign
210 x 320	EXT-LOCSIGN	Fire extinguisher location sign medium

Product Group: FP011

Hose Reel Sign



Size (mm)	Part Number	Description
210 X 320	EXT-HRLOCM	Hose reel medium location sign

Product Group: FP011

Hydrant Booster Sign



Size (mm)	Part Number	Description
250 x 200	FFS-SIGN-FHB	Hydrant booster cabinet sign

Product Group: FP011

Fire Blanket Sign



Size (mm)	Part Number	Description
150 x 225	FFS-LSFBP	Fire blanket location sign

Product Group: FP011

Fire Blankets



Size (mm)	Part Numbers
1000 x 1000	FBT1010
1200 x 1200	FFS-FB1200
1800 x 1200	FFS-FB1800

Product Group: FP04

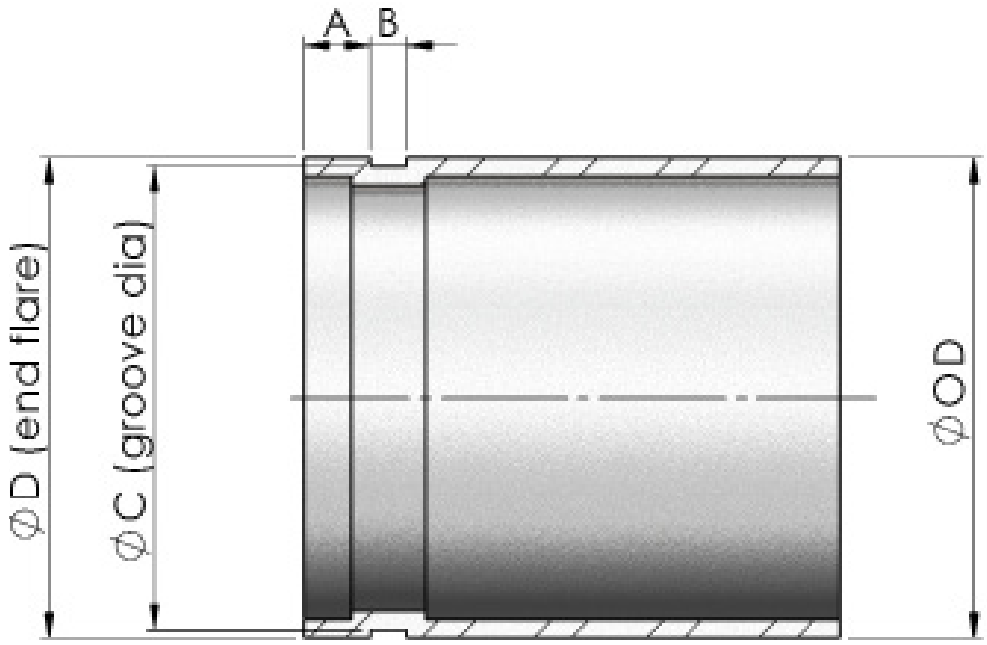
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Roll Grooved Pipe - Galvanised

Application

- Used for fire hydrant piping systems. Provides water to landing valves, hose reels and hydrant risers. Typically located in stairwells or building cavities, suitable for connection to mains or an independent water supply. Also used for water, slurry and air movement in mining, industrial and irrigation applications.



Roll Groove Pipe Specification Table

Size NB		OD (mm)			A (mm)			B (mm)			C (mm)				D (mm)
											diameter		circumference		
mm	inch	basic	min	max	basic	min	max	basic	min	max	min	max	min	max	max
32	1¼	42.20	41.80	42.60	15.88	15.12	16.26	7.14	6.38	7.90	38.61	38.99	121.30	122.49	45.00
38	1½	48.30	41.80	48.80	15.88	15.12	16.26	7.14	6.38	7.90	44.71	45.09	140.46	414.65	51.10
50	2	60.30	59.90	60.90	15.88	15.12	16.26	8.74	8.36	9.50	56.77	57.15	178.35	179.54	63.00
65	2½*	76.10	75.40	76.60	15.88	15.12	16.26	8.74	8.36	9.50	71.80	72.26	225.58	227.01	78.70
75	3	88.90	88.40	89.70	15.88	15.12	16.26	8.74	8.36	9.50	84.56	84.94	265.64	266.84	91.40
100	4	114.3	113.8	115.2	15.88	15.12	16.26	8.74	8.36	9.50	109.70	110.08	344.64	345.84	116.8
150	6*	165.1	164.3	166.7	15.88	15.12	16.26	8.74	8.36	9.50	160.22	160.78	503.35	505.11	167.6
200	8	219.1	218.5	220.4	19.05	18.29	19.43	11.91	11.53	12.67	213.89	214.40	671.97	673.56	223.5
250	10	273.1	272.5	274.6	19.05	18.29	19.43	11.91	11.53	12.67	267.63	268.27	840.82	842.81	277.4

* Australian Pipe Size

Medium Wall Pipe AS1074 - Galvanised

Features
- Line marked with all approvals and mill identification every metre for fast visual inspection

Materials
- Hot dipped galvanised to AS/NZS4792

Standards
- AS1074, AS2419.1, AS/NZS4792
- AS1722.1 (pipe threads), ANSI/AWWA C606-97 (roll groove)

Approvals
- ActivFire® approved
- UL listed



Galvanised Medium Wall Pipe with BSP Threaded Ends

Size (NB)	OD (mm)	Part Numbers	Length (mtr)	Wall Thickness (mm)	Working Pressure (Bar)	Weight (kg)	Quantity Per Bundle
25	33.4	PMGB-25	6.5	3.2	55	15.9	61
32	42.2	PMGB-32	6.5	3.2	55	20.5	48

Product Group: PI05



Galvanised Medium Wall Pipe with Roll Grooved Ends

Size (NB)	OD (mm)	Part Numbers	Length (mtr)	Wall Thickness (mm)	Working Pressure (Bar)	Weight (kg)	Quantity Per Bundle
32	42.2	PMGG-32	6.5	3.2	55	20.5	48
40	48.3	PMGG-40	6.5	3.2	55	23.7	37
50	60.3	PMGG-50	6.5	3.6	55	33.4	27
65	76.0	PMGG-65	6.5	3.6	55	42.8	19
80	89.0	PMGG-80	6.5	4.0	55	55.6	16
100	114.3	PMGG-100	6.5	4.5	55	80.6	10
150	165.1	PMGG-150	6.5	5.0	55	130.4	7

Product Group: PI05

Light Wall Pipe - Galvanised

Features
- Line marked with all approvals and mill identification every metre for fast visual inspection

Materials
- ASTM A135 standard specification for electric resistance welded (ERW) steel pipe
- Hot dipped galvanised to AS/NZS4792

Standards
- EX6116, AS4118.2.1, AS2419.1
- Roll grooved ends conform to ANSI/AWWA C606-97

Approvals
- ActivFire® approved
- UL listed



Galvanised Light Wall Pipe with Roll Grooved Ends

Size (NB)	OD (mm)	Part Numbers	Length (mtr)	Wall Thickness (mm)	Working Pressure (Bar)	Weight (kg)	Quantity Per Bundle
100	114.3	PFHG-1143-25-RG	6	3.05	35	51.5	10
150	165.1	PFHG-1651-30-RG	6	3.40	35	83.2	7
200	219.1	PFHG-2191-48-RG	6	5.00	35	158.4	5

Product Group: PI03

- The pipe or system working pressures are limited to the published working pressures of the couplings used in the design of the pipeline

Rigid Roll Grooved Couplings - Galvanised

Application

- Suitable for fire sprinkler and hydrant systems. Can also be used for hot water and potable water. Not for use with hydrocarbons such as petroleum, kerosene, and diesel.

Features

- Angle pad design

Materials

- Housing: ductile iron to ASTM-A536
- Hot dip galvanised finish to AS4680
- Standard gasket: EPDM, black

Temperature

- -30°C to 110°C

Model Number

- XGQT7

Comparable To

- Victaulics's No. 005

Approvals

- UL listed, FM approved



Size (NB)	Pipe OD (mm)	Part Numbers	Working Pressure (PSI)
32	42.40	FWG-402R-43	300
40	48.30	FWG-402R-48	300
50	60.30	FWG-402R-60	300
65	76.10	FWG-402R-76	300
80	88.90	FWG-402R-88	300
100	114.3	FWG-402R-114	300
150	165.1	FWG-402R-165	300
200	219.1	FWG-402R-219	300
250	273.1	FWG-402R-273	300
300	323.91	FWG-402R-323	300

Replacement gaskets available refer to page 474

Product Group: CG03

Flexible Roll Grooved Couplings - Galvanised

Application

- Suitable for fire sprinkler and hydrant systems. Can also be used for hot water and potable water. Not for use with hydrocarbons such as petroleum, kerosene, and diesel.
- Flexible couplings allow controlled angular, linear, and rotational movement at each joint. This accommodates expansion/contraction, settling, vibration, and other piping system movement.

Materials

- Housing: ductile iron to ASTM-A536
- Hot dip galvanised finish to AS4680
- Standard gasket: EPDM, black

Temperature

- -30°C to 110°C

Model Number

- XGQT2

Comparable To

- Victaulics's No. 75

Approvals

- UL listed, FM approved



Size (NB)	Pipe OD (mm)	Part Numbers	Working Pressure (PSI)
40	48.3	FWG-75-48	300
50	60.3	FWG-75-60	300
65	76.1	FWG-75-76	300
80	88.9	FWG-75-88	300
100	114.3	FWG-75-114	300
150	165.1	FWG-75-165	300
150 USA	168.3	FWG-75-168	300

Replacement gaskets available refer to page 474

Product Group: CG02

Flexible Heavy-Duty Roll Grooved Couplings - Galvanised

Application

- Suitable for fire sprinkler and hydrant systems. Can also be used for hot water and potable water. Not for use with hydrocarbons such as petroleum, kerosene, and diesel.

Features

- The heavy-duty flexible coupling features a ribbed construction providing working pressures up to 1,000 PSI

Materials

- Housing: ductile iron to ASTM-A536
- Hot dip galvanised finish to AS4680
- Standard gasket: EPDM, black

Temperature

- -30°C to 110°C

Model Number

- Style 11

Comparable To

- Victaulics's No. 77

Approvals

- UL listed, FM approved

Size (NB)	Pipe OD (mm)	Part Numbers	Working Pressure (PSI)
80	88.90	FWG-HDC-88	1000
100	114.3	FWG-HDC-114	1000
150	165.1	FWG-HDC-165	1000
200	219.1	FWG-HDC-219	800
250	273.1	FWG-HDC-250	500
300	323.9	FWG-HDC-300	500

Replacement gaskets available refer to page 474

Product Group: CG04



Grooved Flexible Transition/Reducing Coupling - Galvanised

Application

- Transition couplings are designed to join 150NB Australian Standard size pipe, valves and fittings with OD mm to 150NB API (USA specification) size pipe valves and fittings with OD 168.3mm.

Materials

- Housing: ductile iron to ASTM-A536
- Hot dip galvanised finish to AS4680
- Standard gasket: EPDM, black

Temperature

- -30°C to 110°C

Size (NB)	Pipe OD (mm)	Part Number	Working Pressure (PSI)
165.1 x 168.3	165.1	FWG-402R-165-168	300

Replacement gaskets available refer to page 474

Product Group: CG02



Gasket for Roll Grooved Couplings

Features

Nitrile Rubber

- For use with petroleum products, vegetable oils, mineral oils, and air contaminated with petroleum oils
- Not for use with hot water
- Temperature -31°C to 80°C

EPDM

- For use with water, dilute acids, alkalis, salts and many chemical services not involving hydrocarbons, oils or gases
- Not for use with hydrocarbons
- Temperature -30°C to 110°C



Size (NB)	Pipe OD (mm)	Part Numbers	
		Nitrile Buna	EPDM
40	48.3	GAS-RG-N40	G150E
50	60.3	GAS-RG-N50	GAS-RG-60-E
65 USA	73.0	GAS-RG-N65-73	G250E
65	76.1	GAS-RG-N65	GAS-RG-76-E
80	88.9	GAS-RG-N80	GAS-RG-88-E
100	114.3	GAS-RG-N100	GAS-RG-114-E
150	165.1	GAS-RG-N150	GAS-RG-150-E
150 USA	168.3	G600T	G600E
200	219.1	GAS-RG-N200	GAS-RG-219-E
250	273.1	G1000T	G1000E
300	323.9	GAS-RG-N300	G1200E
		Product Group: CA02	Product Group: CA03

Gasket Lube - Roll Grooved Couplings

Application

- Specifically formulated where rubber gaskets are fitted in hot, dry, and wet weather also used in areas where high levels of water quality are not required such as sewerage, irrigation, and fire control systems. A consistent high quality join is achieved.
- Incorrect lubricants, such as grease, can affect the life and effectiveness of a rubber gasket and also prevent correct positioning of the gasket which can cause joint leakage. It contains an approved bactericide which makes it safe to use with potable water.

Features

- Water soluble emulsion, excess lubricant is quickly removed from pipe systems when the system is flushed
- No detrimental effect on the natural synthetic rubbers used in gasket materials

Standards

- AS4020-1999
- Accredited under the MP 52 spec 014. Licence No. W104



Part Number	Size
FFS-RGLUBE	500g
	Product Group: HP02

Grooved End Fittings - Galvanised

Application

- A grooved piping system is a robust and long-lasting solution, ideal for situations where flanged connections or welding might be impractical. Tees and elbows are incorporated to redirect flow, while caps provide an endpoint. Grooved piping is versatile and well-suited for a range of applications, including fire protection, water transmission and treatment, and irrigation systems.

Materials

- Ductile iron to ASTM A536
- Hot dip galvanised finish to AS4680

Approvals

- UL listed, FM approved

Grooved 90° Elbows - Galvanised

Comparable To

- Victaulics's No. 001 - sizes 32NB - 200NB
- ¹Victaulics's No. 10 - sizes 250NB & 300NB

Model Number

- XGQT01

Size (NB)	Pipe OD (mm)	Part Numbers	Working Pressure (PSI)	Centre-to-End (mm)
32	42.4	FWG-10-42S	300	60
40	48.3	FWG-10-48S	300	60
50	60.3	FWG-10-60S	300	70
65	76.1	FWG-10-76S	300	76
80	88.9	FWG-10-88S	300	76
100	114.3	FWG-10-114S	300	102
150	165.1	FWG-10-165S	300	140
150 USA	168.3	FWG-10-168	300	140
200	219.1	FWG-10-219S	300	175
250	273.1	FWG-10-273S¹	300	215
300	323.9	FWG-10-323S¹	300	245

Product Group: CG01



Grooved 45° Elbows - Galvanised

Comparable To

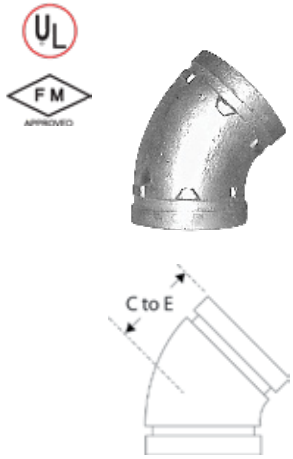
- Victaulics's No. 003 - sizes 32NB - 200NB
- ¹Victaulics's No. 11 - sizes 250NB & 300NB

Model Number

- XGQT02

Size (NB)	Pipe OD (mm)	Part Numbers	Working Pressure (PSI)	Centre-to-End (mm)
32	42.4	FWG-11-42S	300	44
40	48.3	FWG-11-48S	300	44
50	60.3	FWG-11-60S	300	51
65	76.1	FWG-11-76S	300	57
80	88.9	FWG-11-88S	300	64
100	114.3	FWG-11-114S	300	76
150	165.1	FWG-11-165S	300	89
150 USA	168.3	FWG-11-168	300	140
200	219.1	FWG-11-219S	300	108
250	273.1	FWG-11-273S¹	300	121
300	323.9	FWG-11-323S¹	300	133

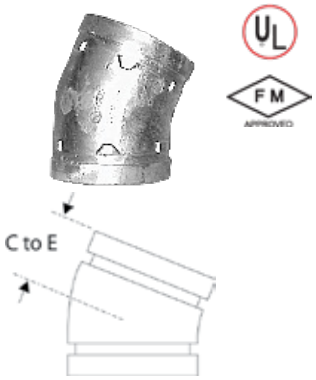
Product Group: CG01



Grooved 22.5° Elbows - Galvanised

Comparable To
- Victaulic's No. 12

Model Number
- XGQT07



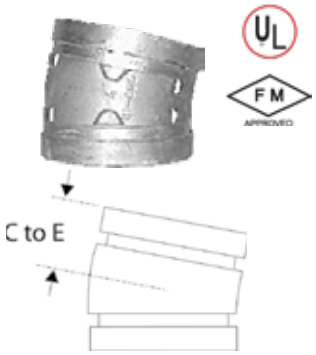
Size (NB)	Pipe OD (mm)	Part Numbers	Working Pressure (PSI)	Centre-to-End (mm)
100	114.3	FWG-22-114	300	73
150	165.1	FWG-22-165	300	79
200	219.1	FWG-221/2-219	300	197

Product Group: CG01

Grooved 11.25° Elbows - Galvanised

Comparable To
- Victaulics's No. 13

Model Number
- XGQT07



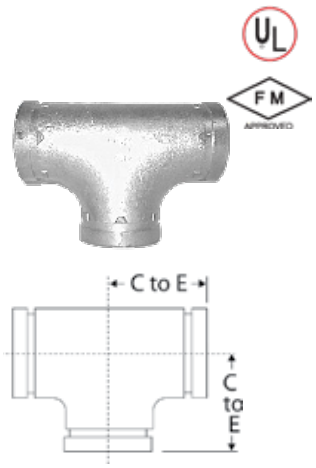
Size (NB)	Pipe OD (mm)	Part Numbers	Working Pressure (PSI)	Centre-to-End (mm)
80	88.9	FWG-111/4-88	300	38
100	114.3	FWG-111/4-114	300	44
150	165.1	FWG-111/4-165	300	51
200	219.1	FWG-111/4-219	300	51

Product Group: CG01

Grooved Equal Tees - Galvanised

Comparable To
- Victaulics's No. 002 - sizes 32NB - 300NB

Model Number
- XGQT07



Size (NB)	Pipe OD (mm)	Part Numbers	Working Pressure (PSI)	Centre-to-End (mm)
32	42.4	FWG-20-42S	300	60
40	48.3	FWG-20-48S	300	60
50	60.3	FWG-20-60S	300	70
65	76.1	FWG-20-76S	300	76
80	88.9	FWG-20-88S	300	86
100	114.3	FWG-20-114S	300	102
150	165.1	FWG-20-165S	300	140
150 USA	168.3	FWG-20-168	300	140
200	219.1	FWG-20-219S	300	175
250	273.1	FWG-20-273S	300	215
300	323.9	FWG-20-323S	300	245

Product Group: CG01

Grooved Reducing Tees - Galvanised

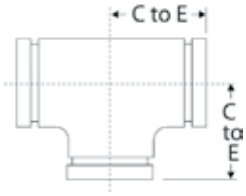
Comparable To
- Victaulics's No. 25

Model Number
- XGQT04

Size (NB)	Pipe OD (mm)	Part Numbers	Working Pressure (PSI)	Centre-to-End (mm)
100 x 50	114.3 x 60.3	FWG-TEE-114-60	300	102
100 x 80	114.3 x 88.9	FWG-TEE-114-88	300	102
150 x 50	165.1 x 60.3	FWG-TEE-165-60	300	140
150 x 80	165.1 x 88.9	FWG-TEE-165-88	300	140
150 x 100	165.1 x 114.3	FWG-TEE-165-114	300	140
200 x 100	219.1 x 114.3	FWG-TEE-219-114	300	175
200 x 150	219.1 x 165.1	FWG-TEE-219-165	300	175

Product Group: CG01





Grooved Tee c/w 25mm BSP Outlet - Galvanised

Comparable To
- Victaulics's No. 29

Model Number
- XGQT04

Size (NB)	Pipe OD (mm)	Part Number	Working Pressure (PSI)	Centre-to-End (mm)
100 x 25	114.3 x 33.7	FWG-TEE-114-34	300	102

Product Group: CG01



Grooved Bullhead Hydrant Tee - Galvanised

Model Number
- FWG-BHT8888114

Size (NB)	Pipe OD (mm)	Part Number	Working Pressure (PSI)	Centre-to-End (mm)
80 x 80 x 100	88.9 x 88.9 x 114.3	FWG-BHT8888114	500	115

Product Group: CG05



Grooved 35˚ Bullhead Hydrant Tee - Galvanised

Size (NB)	Pipe OD (mm)	Part Number	Working Pressure (PSI)	L (mm)	L2 (mm)
80 x 80 x 100	88.9 x 88.9 x 114.3	FWG-35DT8888114	300	102	115

Product Group: CG05



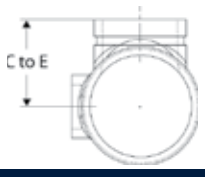
Grooved Hydrant Stack Tee - Galvanised

Model Number
- FWG-HST-114-88

Size (NB)	Pipe OD (mm)	Part Number	Working Pressure (PSI)	Centre-to-End (mm)
100 x 80	114.3 x 88.9	FWG-HST-114-88	500	83

Product Group: CG05





Grooved Hydrant Hose Reel Reducing Tee - Galvanised

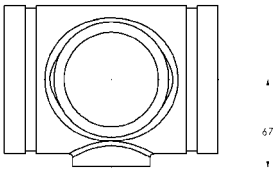
Application

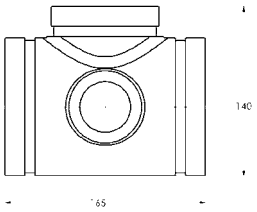
- Ideal for hydrants as only one fitting is required to fit landing valves and hose reel connections. A full range of hydrant fabricated fittings is also available. Contact Dixon™ for details. Tee fitting for easy connection of landing valve and fire hose reel.

Model Number

- FWGHHRTF1148865







Size (NB)	Pipe OD (mm)	Part Number	Working Pressure (PSI)	Centre-to-End (mm)
100 x 80 x 65 x 25	114.3 x 88.9 x 76.1 x 33.7	FWGHHRTF1148865	500	63/83

Product Group: CG05

Grooved Hydrant/Hose Reel End Run Elbows - Galvanised

Application

- End of run elbows for connection of either a single hydrant valve or both a single hydrant valve and fire hose reel.

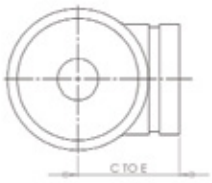
Model Number

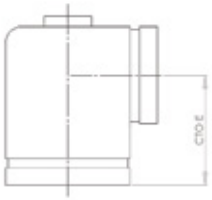
- FWG-HERT-114-88/FWGHHRERT1148865



80NB Roll Groove Outlet

25NB BSP Female





Hydrant End Run Elbow - 80NB Grooved Outlet

Size (NB)	Pipe OD (mm)	Part Numbers	Working Pressure (PSI)	Centre-to-End (mm)
100 x 80	114.3 x 88.9	FWG-HERT-114-88	500	83/165

Product Group: CG05



80NB Grooved/65NB BSP Female Outlet

Hydrant & Hose Reel End Run Elbow - 80NB Grooved/65NB BSP Female Outlet

Size (NB)	Pipe OD (mm)	Part Numbers	Working Pressure (PSI)	Centre-to-End (mm)
100 x 80 x 65 x 25	114.3 x 88.9 x 76.1 x 33.7	FWGHHRERT1148865	500	81/101

Product Group: CG05

Galvanised Roll Grooved Mechanical Tee

Application

- Mechanical tee outlets provide a direct branch connection on a pipe run where sufficient space allows a hole to be cut. The hole is cut slightly oversize to the required branch pipe size to receive an integral locking collar and sealing gasket on the mechanical tee that secures the outlet in position. This fitting can eliminate up to 3 pipe cuts, a tee piece and three couplings.

Hole Cutting

- Before assembly of a mechanical tee outlet, it is necessary to pre-cut a hole in the pipe to the correct size to suit the branch size. See hole diameter in the table below. The hole must be drilled on the pipe centre line. It is important that the pipe surface around the hole and around the pipe circumference under the mechanical tee gasket seating area are free from blemishes, indentations, and burrs likely to adversely affect gasket sealing

Comparable To

- Roll grooved - Style 920
- BSP threaded - Style 927

Materials

- Housing - ductile iron to ASTM A536

Model Number

- Roll grooved - XGQT3G
- BSP threaded - XGQT3S

Approvals

- UL listed, FM approved

Roll Grooved

Size (NB)	Pipe OD (mm)	Part Numbers	Hole Diameter	Working Pressure (PSI)	Centre-to-End (mm)
80 x 50	88.9 x 60.3	FWG-922-88-60-G	64	300	114
100 x 50	114.3 x 60.3	FWG-922-114-60-G	64	300	135
100 x 65	114.3 x 76.1	FWG-922-114-76-G	70	300	135
100 x 80	114.3 x 88.9	FWG-922-114-88-G	89	300	135
150 x 50	165.1 x 60.3	FWG-922-165-60-G	64	300	194
150 x 65	165.1 x 76.1	FWG-922-165-76-G	70	300	194
150 x 80	165.1 x 88.9	FWG-922-165-88-G	89	300	194
150 x 100	165.1 x 114.3	FWG-922-165-114G	114	300	194
200 x 100	219.1 x 114.3	FWG-922-219-114G	114	300	250

Product Group: CG01



Threaded BSP Female

Size (NB)	Pipe OD (mm)	Part Numbers	Hole Diameter	Working Pressure (PSI)	Centre-to-End (mm)
50 x 20	60.3 x 20	FWG-920-60-27-T	38	300	75
50 x 25	60.3 x 33.7	FWG-922-60-34	48	300	75
50 x 32	60.3 x 42.4	FWG-922-60-43	46	300	75
50 x 40	60.3 x 48.3	FWG-922-60-48	46	300	75
65 x 25	76.1 x 33.7	FWG-920-76-34-T	38	300	93
65 x 32	76.1 x 42.4	FWG-920-76-43-T	46	300	93
65 x 40	76.1 x 48.3	FWG-920-76-48-T	51	300	93
80 x 25	88.9 x 33.7	FWG-920-88-34-T	38	300	114
80 x 32	88.9 x 42.4	FWG-920-88-43-T	46	300	114
80 x 40	88.9 x 48.3	FWG-920-88-48-T	51	300	114
80 x 50	88.9 x 60.3	FWG-920-88-60-T	64	300	114
100 x 25	114.3 x 33.7	FWG-920-114-34T	38	300	135
100 x 32	114.3 x 42.4	FWG-920-114-43T	46	300	135
100 x 40	114.3 x 48.3	FWG-920-114-48T	51	300	135
100 x 50	114.3 x 60.3	FWG-920-114-60T	64	300	135
100 x 65	114.3 x 76.1	FWG-920-114-76T	70	300	135
150 x 25	165.1 x 33.7	FWG-920-165-34T	38	300	187
150 x 32	165.1 x 42.4	FWG-920-165-43T	83	300	187
150 x 40	165.1 x 48.3	FWG-920-165-48T	94	300	187
150 x 50	165.1 x 60.3	FWG-920-165-60T	100	300	187
150 x 65	165.1 x 76.1	FWG-920-165-76T	122	300	187

Product Group: CG01



Grooved Concentric Reducers - Galvanised

Comparable To
- Victaulics's No. 50

Model Number
- XGQT07G

Approvals
- UL listed, FM approved



Roll Groove x Roll Groove

Size (NB)	Pipe OD (mm)	Part Numbers	Working Pressure (PSI)	Face-to-Face (mm)
50 x 32	60.3 x 42.4	FWG-50-60-43	300	64
50 x 40	60.3 x 48.3	FWG-50-60-48	300	64
65 x 50	76.1 x 60.3	FWG-50-76-60	300	64
80 x 50	88.9 x 60.3	FWG-50-88-60	300	64
80 x 65	88.9 x 76.1	FWG-50-88-76	300	64
100 x 50	114.3 x 60.3	FWG-50-114-60	300	76
100 x 65	114.3 x 76.1	FWG-50-114-76	300	76
100 x 80	114.3 x 88.9	FWG-50-114-88	300	76
150 x 65	165.1 x 76.1	FWG-50-165-76	300	102
150 x 80	165.1 x 88.9	FWG-50-165-88	300	102
150 x 100	165.1 x 114.3	FWG-50-165-114	300	102
200 x 100	219.1 x 114.3	FWG-50-219-114	300	127
200 x 150	219.1 x 165.1	FWG-50-219-165	300	127

Product Group: CG01

Grooved Concentric Reducers x Female BSP - Galvanised

Comparable To
- Victaulics's No. 52

Model Number
- XGQT07G

Approvals
- UL listed, FM approved



Size (NB)	Pipe OD (mm)	Part Numbers	Working Pressure (PSI)	Face-to-Face (mm)
50 x 25	60.3 x 33.7	FWG-50-60-34-F	300	64
65 x 25	76.1 x 33.7	FWG-50-76-34-F	300	64
100 x 65	114.3 x 76.1	FWG-50-114-76-F	300	76
150 x 65	165.1 x 76.1	FWG-50-165-76-F	300	102

Product Group: CG01

Grooved Eccentric Reducers - Galvanised

Comparable To
- Victaulics's No. 51

Model Number
- XGQT07P

Approvals
- UL listed, FM approved



Size (NB)	Pipe OD (mm)	Part Numbers	Working Pressure (PSI)	Face-to-Face (mm)
100 x 65	114.3 x 76.1	FWG-51-114-76	300	76
100 x 80	114.3 x 88.9	FWG-51-114-88	300	76
150 x 80	165.1 x 88.9	FWG-51-165-88	300	102
150 x 100	165.1 x 114.3	FWG-51-165-114	300	102

Product Group: CG01

Grooved Screwed Adaptors - Galvanised

Model Number

- XGQT07G

Size Male BSP x RG (NB)	Pipe OD (mm)	Part Numbers	Working Pressure (PSI)
25 x 25	33.7	FWG-SA-25-25BSP	300
32 x 32	42.4	FWG-SA-32-32BSP	300
40 x 40	48.3	FWG-SA-40-40BSP	300
50 x 40	60.3 x 48.3	FWG-SA-50-40BSP	300
50 x 50	60.3	FWG-SA-50-50BSP	300
65 x 65	76.1	FWG-SA-65-65BSP	300
80 x 80	88.9	FWG-SA-80-80BSP	300
100 x 100	114.3	FWG-SA-100100BSP	300
100 x 125	114.3 x 139.7	FWG-SA-100125BSP[1]	300
150 x 125	165.1 x 139.7	FWG-SA-150125BSP[1]	300
150 x 150	165.1	FWG-SA-150150BSP	300

Product Group: CG01

- [1] Aluminium material



Grooved End Cap - Galvanised

Comparable To

- Victaulics's No. 6

Model Number

- XGQT06

Approvals

- UL listed, FM approved

Size (NB)	Pipe OD (mm)	Part Numbers	Working Pressure (PSI)
32	42.4	FWG-60-42	300
40	48.3	FWG-60-48	300
50	60.3	FWG-60-60	300
65	76.1	FWG-60-76	300
80	88.9	FWG-60-88	300
100	114.3	FWG-60-114	300
150	165.1	FWG-60-165	300
200	219.1	FWG-60-219	300

Product Group: CG01



Grooved End Cap c/w BSP Outlet - Galvanised

Model Number

- XGQT06S

Size (NB) x BSP Outlet	Pipe OD (mm)	Part Numbers	Working Pressure (PSI)
80 x 25	88.9	FWG-60-88T	300
100 x 25	114.3	FWG-60-114T	300
150 x 25	165.1	FWG-60-165T	300
200 x 50	219.1	FWG-60-219T	300

Product Group: CG01



Grooved x Flange Adaptors - Glavanised

Material
- Ductile iron to ASTM A536

Model Number
- 321G



Size (NB)	Pipe OD (mm)	Part Numbers	Flange Pattern	Face-to-Face (mm)
50	60.3	FWG-FA-60DE	Table D/E	65
65	76.1	FWG-FA-76DE	Table D/E	70
80	88.9	FWG-FA-88DE	Table D/E	60
100	114.3	FWG-FA-114D	Table D	60
100	114.3	FWG-FA-114E	Table E	60
150	165.1	FWG-FA-165E	Table E	65
200	219.1	FWG-FA-219E	Table E	85
250	273.1	FWG-FA-250E	Table E	85
300	323.9	FWG-FA-323E	Table E	100

Refer to page 661 for flange dimensions

Product Group: CG01

Grooved x Copper Brazing Adaptors

Application
- Designed to braze directly to copper tube, adapting to the roll grooved system.

Material
- Brass



Size (NB)	To Suit Tube x Roll Groove		Part Numbers
	Copper Tube OD (mm)	Roll Groove Pipe OD (mm)	
50	50.8	60.3	FFS-BA50CU60RG
65	63.5	76.1	FFS-BA63CU76RG
80	76.2	88.9	FFS-BA80CU88RG
100	101.6	114.3	FFS-BA100CU114RG
150	152.4	165.1	FFS-BA150CU165RG
200	203.2	219.1	FFS-BA200CU219RG

Product Group: FP01

PetroGard™ Protective Coatings

Application

- To prevent the formation of voids and pockets when wrapping, it is recommended to use PetroGard™ Mastic for shaping complex surfaces like valves and flanges.

Design

- PCS Petrogard™ system were developed for the protection of metal surfaces in the most severe environments. They are designed to be applied over wire brushed surfaces in exposed, underground, and underwater applications

Surface Preparation

- Remove all contaminants such as dirt, oil, scale, and excessive moisture. Remove all loose rust, paint, and other residue by hand or power tool in accordance with AS1627-1977 or AS1627, part 2 - 1975. All surfaces should be coated with petro primer paste to fill any hollow or surface irregularity and to ensure good contact with the tape

Installation

- PetroGard™ - should be spirally wrapped using a 15mm overlap. However, for buried applications, 55% should be used to ensure a double layer. When a pipe is vertical, wrapping should begin at the bottom. When applying the tape, all overlaps should be smoothed by hand. A 50mm roll to roll overlap should be used when starting a new roll
- PetroGard™ Overwrap - where mechanical protection is required, PetroGard™ Overwrap should be employed using a 15mm overlap. In severe underground conditions, a 55% overwrap should be considered. Consult Dixon™ for details and recommendations

PetroGard™ Tape Standard

Tape Width (mm)	Length (mtr)	Part Numbers
50	10	FPT-PT-050
75	10	FPT-PT-075
100	10	FPT-PT-100
150	10	FPT-PT-150

Product Group: AE06



PetroGard™ Overwrap Tape

Tape Width (mm)	Length (mtr)	Part Numbers
50	30	FPT-PO-050
100	30	FPT-PO-100
150	30	FPT-PO-150

Product Group: AE06



PetroGard™ Primer Paste

Part Numbers	Size
FPT-PP-4	2.5kg Tub

Product Group: AE06



PetroGard™ Mastic

Part Numbers	Size
FPT-PM-3	3kg Block

Product Group: AE06



Bolted Couplings - Shouldered

Application

- For joining of shouldered end pipe in mining and construction industries.

Standards

- Working pressure (capacity) as tested to AWWA C606 requirements. Safety factor of 3:1

Materials

- Housing: SG Iron to AS 1831 400-250-12
- Nuts & bolts
  - metric grade 8.8 for sizes 50NB to 300NB
  - metric grade 4.6 for sizes 350NB to 600NB
- Gasket: Nitrile Buna
- Finish: zinc plated





08/048/20/020
3-Segment Coupling

Size (NB)	Pipe OD (mm)	Part Numbers	Working Pressure (PSI)	Housing Segments Per Coupling
50	60.2	FSHG-COUP-50	500	2
80	88.9	08/048/20/002[1]	500	2
100	114.3	FSHG-COUP-100	500	2
150	165.1	08/048/20/005[1]	500	2
150.3 USA	168.3	08/048/20/168	500	2
200	219.1	FSHG-COUP-200	500	2
250	273.9	08/048/20/007	261	2
300	323.9	08/048/20/008	261	2
350	355.6	08/048/20/020	-	3
400	406.4	08/048/20/021	-	3
450	457.0	08/048/20/022	-	4
600	609.6	08/048/20/024	-	4

[1] Minsup branded

Product Group: AE01

Quick Release Shouldered Couplings

Application

- Quick release couplings offer substantial cost savings in reducing downtime and facilitating fast assembly and disassembly of temporary pipelines.

Design

- No nut and bolts to be lost, or threads to be damaged
- No tools are required
- Improved lever and hinge design significantly reduce opening and closing efforts
- Internal mating tongue and groove feature prevents seal pinching during the closure

Materials

- Housing/Lever/Side Plates: SG Iron - ISO 1083, 1987:400 250-15 SGI
- Side Plates (50NB, 80NB 200NB): pressed mild steel
- Gasket: Nitrile Buna
- Finish: zinc plated

Standards

- Working pressure (capacity) as tested to AWWA C606 requirements. Safety factor of 2:1



Size (NB)	Pipe OD (mm)	Part Numbers	Working Pressure (PSI)
50	60.2	08/048/19/000G	348
80	88.9	08/048/19/002G	348
100	114.3	08/048/19/003G	348
150	165.1	08/048/19/005G	348
200	219.1	08/048/19/006G	348

Product Group: AE01

Quick Release Shouldered Couplings - Stainless Steel

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Design

- Made to fit standard pipe as per the ductile clamps. Seals are standards Minsup® range

Material

- Cast components: CF8M
- Machined components: 316SS
- Locking pin: zinc plated carbon steel
- Gasket: Nitrile Buna rubber

Size (NB)	Pipe OD (mm)	Part Numbers	Working Pressure (PSI)
50	60.3	08/048/19/000SS	300
100	114.3	08/048/19/003SS	300
150	165.1	08/048/19/005S	200
150 USA	168.3	08/048/19/168SS	200

Product Group: AE01



Shouldered Coupling Gasket

Nitrile Buna

Size (NB)	Pipe OD (mm)	Part Numbers
50	60.2	05/048/22/000
80	88.9	05/048/22/002
100	114.3	05/048/22/003
150	165.1	05/048/22/005
150 USA	168.3	05/048/22/168
200	219.1	05/048/22/006
250	273.9	05/048/22/007
300	323.9	05/048/22/008
350	355.6	05/048/22/009
400	406.4	05/048/22/020
450	457.0	05/048/22/021
500	508.0	05/048/22/022
600	609.6	05/048/22/024

Product Group: AE01



- Couplings are not recommended for use with air

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90° Shouldered Elbows

Application

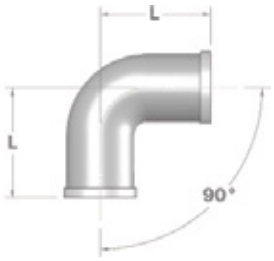
- For use with shouldered end pipe and coupling in mining and construction industries.

Features

- Galvanised for corrosion protection - long series

Materials

- Mild steel galvanised to AS 4792:2066



Size (NB)	Pipe OD (mm)	Part Numbers	Working Pressure (PSI)	L (mm)
50	60.2	08/048/01/000T	750	152
80	88.9	08/048/01/002T	750	203
100	114.3	08/048/01/003T	750	229
150	165.1	08/048/01/005T	580	273
200	219.1	08/048/01/006T	580	305

Product Group: AE02

45° Shouldered Elbows



Size (NB)	Pipe OD (mm)	Part Numbers	Working Pressure (PSI)	L (mm)
50	60.2	08/048/02/000T	750	78
80	88.9	08/048/02/002T	750	109
100	114.3	08/048/02/003T	750	135
150	165.1	08/048/02/005T	580	173
200	219.1	08/048/02/006T	580	235

Product Group: AE02

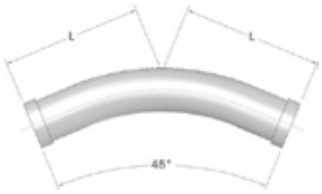
90° Shouldered Bends



Size (NB)	Pipe OD (mm)	Part Numbers	Working Pressure (PSI)	L (mm)
50	60.2	08/048/31/000	750	222
80	88.9	08/048/31/002	750	305
100	114.3	08/048/31/003	750	425
150	165.1	08/048/31/005	580	610
200	219.1	08/048/31/006	580	-

Product Group: AE02

45° Shouldered Bends



Size (NB)	Pipe OD (mm)	Part Numbers	Working Pressure (PSI)	L (mm)
50	60.2	08/048/34/000T	750	187
80	88.9	08/048/34/002T	750	260
100	114.3	08/048/34/003T	750	365
150	165.1	08/048/34/005T	580	521
200	219.1	08/048/34/006T	580	778

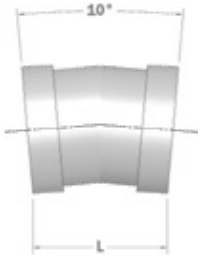
Product Group: AE02

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Shouldered Setting Pieces

Size (NB)	Pipe OD (mm)	Part Numbers	Working Pressure (PSI)	L (mm)
50	60.2	08/048/16/000	750	76.2
80	88.9	08/048/16/002	750	76.2
100	114.3	08/048/16/003	750	88.9
150	165.1	08/048/16/005	580	101.6
200	219.1	08/048/16/006	580	-

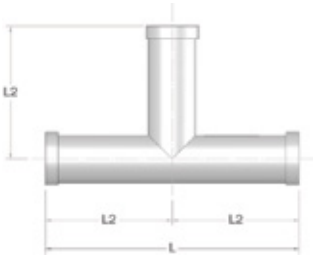
Product Group: AE02



Shouldered Equal Tees

Size (NB)	Pipe OD (mm)	Part Numbers	Working Pressure (PSI)	L (mm)	L2 (mm)
50	60.2	08/048/05/000T	750	304	152
80	88.9	08/048/05/002T	750	406	203
100	114.3	08/048/05/003T	750	458	229
150	165.1	08/048/05/005T	580	508	254
200	219.1	08/048/05/006T	580	610	305

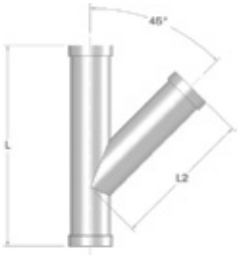
Product Group: AE02



Shouldered Offset Equal Tee

Size (NB)	Pipe OD (mm)	Part Numbers	Working Pressure (PSI)	L (mm)	L2 (mm)
50	60.2	08/048/09/000T	750	304	215
80	88.9	08/048/09/002T	750	406	275
100	114.3	08/048/09/003T	750	458	299
150	165.1	08/048/09/005T	580	508	394
200	219.1	08/048/09/006T	580	400	200

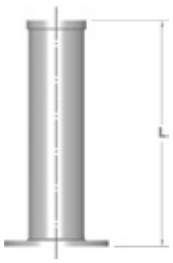
Product Group: AE02



Shouldered Flanged Adaptors

Size (NB)	Pipe OD (mm)	Part Numbers	Working Pressure (PSI)	Flange	Length (mm)
50	60.2	08/048/11/000T	750	Table D/E	100
80	88.9	08/048/11/042	750	Table E	100
100	114.3	08/048/11/043	750	Table E	100
		08/048/11/043T	750	Table D	470
150	165.1	08/048/11/045	580	Table E	100
200	219.1	08/048/11/046T	580	Table D	605

Product Group: AE02



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Shouldered x BSPT Male Threaded Adaptors


08/048/10/003

Size (NB)	Pipe OD (mm)	BSP (mm)	Part Numbers	Working Pressure (PSI)	Length (mm)
50	60.2	50	08/048/10/000[1]	750	150
			08/048/10/000T	750	318
80	88.9	80	08/048/10/002	750	150
100	114.3	100	08/048/10/003[1]	750	75
			08/048/10/003T	750	470
150	165.1	150	08/048/10/005	580	150

[1]Are a one piece casting design, plated SG iron

Product Group: AE02

Reducing Shouldered Adaptors x BSP


08/048/13/011

Size (NB)	Pipe OD (mm)	BSP (mm)	Part Numbers	Working Pressure (PSI)	Length (mm)
100	114.3	50	08/048/13/002	750	279
100	114.3	80	08/048/13/011	750	110
150	165.1	100	08/048/13/016	580	355

Product Group: AE02



Shouldered Concentric Reducers

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Size (NB)	Pipe OD (mm)	Part Numbers	Working Pressure (PSI)	L (mm)
80 x 50	88.9 x 60.2	08/048/14/001T	750	203
100 x 50	114.3 x 60.2	08/048/14/002T	750	110
150 x 50	165.1 x 60.2	08/048/14/004T	580	305
150 x 80	165.1 x 88.9	08/048/14/013T	580	305
150 x 100	165.1 x 114.3	08/048/14/016T	580	305

Product Group: AE02



Shouldered Concentric Reducers

Size (NB)	Pipe OD (mm)	Part Numbers	Working Pressure (PSI)	L (mm)
100 x 80	114.3 x 88.9	08/048/14/011T	750	110

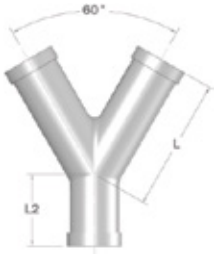
Product Group: AE02



Shouldered Y-Pieces

Size (NB)	Pipe OD (mm)	Part Numbers	Working Pressure (PSI)	L (mm)	L2 (mm)
50	60.2	08/048/32/000T	750	165	89
80	88.9	08/048/32/002T	750	229	127
100	114.3	08/048/32/003T	750	279	127
150	165.1	08/048/32/005T	580	330	152

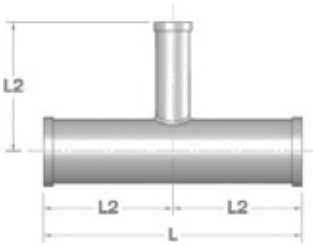
Product Group: AE02



Shouldered Reducing Tees

Size (NB)	Pipe OD (mm)	Part Numbers	Working Pressure (PSI)	L (mm)	L2 (mm)
50 x 80	60.2 x 88.9	08/048/08/001	750	406	203
100 x 50	114.3 x 60.2	08/048/08/003	750	458	229
150 x 50	165.1 x 60.2	08/048/08/010	580	508	254

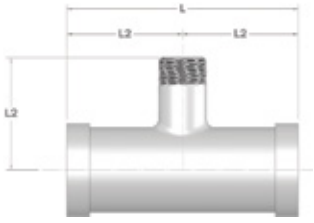
Product Group: AE02



Reducing Tee Shouldered x BSP Male

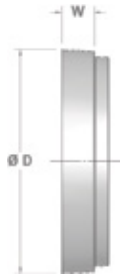
Size (NB)	Pipe OD (mm)	BSP (mm)	Part Numbers	Working Pressure (PSI)	L (mm)	L2 (mm)
100	114.3	50	08/048/07/008	750	458	229

Product Group: AE02



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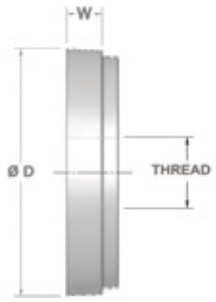
Shouldered Blank Ends



Size (NB)	Pipe OD (mm)	Part Numbers	Working Pressure (PSI)	OD (mm)	W (mm)
50	60.2	08/048/03/000	750	66.5	16.0
80	88.9	08/048/03/002	750	97.0	16.0
100	114.3	08/048/03/003	580	122.0	17.5
150	165.1	08/048/03/005	750	174.5	17.5
200	219.1	08/048/03/006	580	232.0	20.5

Product Group: AE01

Shouldered Blank Ends with Female BSP Outlet



Size (NB)	Pipe OD (mm)	Part Numbers	Thread BSP (mm)	Working Pressure (PSI)	OD (mm)	W (mm)
50	60.2	08/048/04/000	25	750	66.5	16.0
80	88.9	08/048/04/003	25	750	97.0	16.0
		08/048/04/004	50	750	97.0	16.0
100	114.3	08/048/04/006	25	750	122.0	17.5
		08/048/04/007	50	750	122.0	17.5
		08/048/04/009	80	750	122.0	17.5
150	165.1	08/048/04/015	25	580	174.5	17.5
		08/048/04/016	50	580	174.5	17.5
		08/048/04/018	80	580	174.5	17.5

Product Group: AE01

Shoulder Rings



Size (NB)	Pipe OD (mm)	Part Numbers	OD (mm)	W (mm)
50	60.2	08/048/18/000	66.5	16.0
80	88.9	08/048/18/002	97.0	16.0
100	114.3	08/048/18/003	122.0	17.5
150	165.1	08/048/18/005	174.5	17.5
150 USA	168.3	08/048/18/658	178.0	17.5
200	219.1	08/048/18/006	232.0	20.5

Product Group: AE02

Split Ring

Size (NB)	Pipe OD (mm)	Part Numbers	OD (mm)	W (mm)
250	273.1	08/048/18/007	286.0	20.5
300	323.9	08/048/18/008	336.5	20.5
350	355.6	08/048/18/009	368.5	24.0
400	406.4	08/048/18/010	419.0	25.5
450	457.0	08/048/18/021	470.0	25.5
500	508.0	08/048/18/023	520.5	25.5
600	610.0	08/048/18/024	622.5	25.5

Product Group: AE02

Rubber Flange Gaskets (Full Face) AS2129

Size (NB)	Part Numbers	
	Table D	Table E
25	-	GAS-FF-25E
32	-	GAS-FF-32E
40	-	GAS-FF-40E
50	-	GAS-FF-50E
65	-	GAS-FF-65E
80	-	GAS-FF-80E
100	GAS-FF-100D	GAS-FF-100E
125	-	GAS-FF-125E
150	GAS-FF-150D	GAS-FF-150E
200	GAS-FF-200D	GAS-FF-200E
250	-	GAS-FF-250E
300	-	GAS-FF-300E

Product Group: GA01



Compressed Fibre Flange Gaskets (Full Face) AS2129

Application

- Air, water, gas and some chemicals. Contact Dixon™ for specific data.

Design

- An all-purpose flange gasket manufactured from aramid fibres bound with nitrile butadiene rubber (NBR)

Pressure Rating

- Working pressure 1600 PSI (16 Bar)

Temperature Rating

- Maximum 400°C

Standards

- Complies with ASTM F712230-M5 and DIN3535 parts 4 & 5

Size (NB)	Part Numbers			
	Thickness 1.5mm		Thickness 3.0mm	
	Table D	Table E	Table D	Table E
25	GAS-CF-015-25D	GAS-CF-015-25E	GAS-CF-03-25D	GAS-CF-03-25E
50	GAS-CF-015-50D	GAS-CF-015-50E	GAS-CF-03-50D	GAS-CF-03-50E
80	GAS-CF-015-80D	GAS-CF-015-80E	GAS-CF-03-80D	GAS-CF-03-80E
100	GAS-CF-015-100D	GAS-CF-015-100E	GAS-CF-03-100D	GAS-CF-03-100E
150	GAS-CF-015-150D	GAS-CF-015-150E	GAS-CF-03-150D	GAS-CF-03-150E
200	GAS-CF-015-200D	GAS-CF-015-200E	GAS-CF-03-200D	GAS-CF-03-200E
250	GAS-CF-015-250D	GAS-CF-015-250E	GAS-CF-03-250D	GAS-CF-03-250E
300	GAS-CF-015-300D	GAS-CF-015-300E	GAS-CF-03-300D	GAS-CF-03-300E
350	GAS-CF-015-350D	GAS-CF-015-350E	GAS-CF-03-350D	GAS-CF-03-350E

Product Group: GA01



BSP Threaded Pipe Fittings

Galvanised Galvanised Malleable Iron

Application
- General low pressure air and water.

Body Material
- ISO 5922 malleable cast iron

Design Standards
- Generally in accordance with AS3673. Slight variations may occur where manufacturer's dimensions are used

Thread Standard
- ISO 7-1 - pipe threads where pressure-tight joints are made on the threads

Plating Standard
- ISO 1461 - hot dip galvanised coatings on fabricated iron and steel articles

Working Pressure
- 150 PSI

Stainless Steel

Application
- For use in low-pressure applications, suitable for use in harsh environments such as chemical applications, corrosive environments as well as standard air and water applications.

Body Material
- CF8M (316) manufactured to ASTM A35n

Design Standards
- Generally in accordance with AS3673. Slight variations may occur where manufacturer's dimensions are used

Thread Standard
- ISO 7-1 pipe threads where pressure-tight joints are made on the threads

Design Standard
- Class 150 lbs

Working Pressure
- 300 PSI



Galvanised Malleable Iron



Stainless Steel

90° Elbows - Female x Female

Thread Size BSP		Part Numbers	
mm	inch	Galvanised Malleable Iron	316 Stainless Steel
6	⅛	-	SS16EL006
8	¼	FMG-EFF-8	SS16EL008
10	⅜	FMG-EFF-10	SS16EL010
15	½	FMG-EFF-15	SS16EL015
20	¾	FMG-EFF-20	SS16EL020
25	1	FMG-EFF-25	SS16EL025
32	1¼	FMG-EFF-32	SS16EL032
40	1½	FMG-EFF-40	SS16EL040
50	2	FMG-EFF-50	SS16EL050
65	2½	FMG-EFF-65	SS16EL065
80	3	FMG-EFF-80	SS16EL080
100	4	FMG-EFF-100	SS16EL100
		Product Group: GM01	Product Group: AW01



Galvanised Malleable Iron



Stainless Steel

90° Elbows - Male x Female

Thread Size BSP		Part Numbers	
mm	inch	Galvanised Malleable Iron	316 Stainless Steel
6	⅛	-	SS16ELMF006
8	¼	FMG-EMF-8	SS16ELMF008
10	⅜	FMG-EMF-10	SS16ELMF010
15	½	FMG-EMF-15	SS16ELMF015
20	¾	FMG-EMF-20	SS16ELMF020
25	1	FMG-EMF-25	SS16ELMF025
32	1¼	FMG-EMF-32	SS16ELMF032
40	1½	FMG-EMF-40	SS16ELMF040
50	2	FMG-EMF-50	SS16ELMF050
65	2½	FMG-EMF-65	SS16ELMF065
80	3	FMG-EMF-80	SS16ELMF080
100	4	FMG-EMF-100	SS16ELMF100
		Product Group: GM01	Product Group: AW01

90° Reducing Elbows - Female x Female

Thread Size BSP		Part Numbers
mm	inch	Galvanised Malleable Iron
20 x 15	¾ x ½	FMG-EFF-20-15
25 x 10	1 x ⅜	FMG-EFF-25-10
25 x 15	1 x ½	FMG-EFF-25-15
25 x 20	1 x ¾	FMG-EFF-25-20
32 x 10	1¼ x ⅜	FMG-EFF-32-10
32 x 15	1¼ x ½	FMG-EFF-32-15
32 x 20	1¼ x ¾	FMG-EFF-32-20
32 x 25	1¼ x 1	FMG-EFF-32-25
40 x 15	1½ x ½	FMG-EFF-40-15
40 x 20	1½ x ¾	FMG-EFF-40-20
40 x 25	1½ x 1	FMG-EFF-40-25
40 x 32	1½ x 1¼	FMG-EFF-40-32
50 x 15	2 x ½	FMG-EFF-50-15
50 x 20	2 x ¾	FMG-EFF-50-20
50 x 25	2 x 1	FMG-EFF-50-25
50 x 32	2 x 1¼	FMG-EFF-50-32
50 x 40	2 x 1½	FMG-EFF-50-40

Product Group: GM01



90° Bends

Thread Size BSP		Part Numbers	
		Galvanised Malleable Iron	
mm	inch	Male x Female	Female x Female
15	½	FMG-BMF-15	FMG-BFF-15
20	¾	FMG-BMF-20	FMG-BFF-20
25	1	FMG-BMF-25	FMG-BFF-25
32	1¼	FMG-BMF-32	FMG-BFF-32
40	1½	FMG-BMF-40	FMG-BFF-40
50	2	FMG-BMF-50	FMG-BFF-50
65	2½	FMG-BMF-65	FMG-BFF-65
80	3	FMG-BMF-80	FMG-BFF-80
100	4	FMG-BMF-100	FMG-BFF-100

Product Group: GM01



Male by Female



Female by Female

45° Elbows - Female x Female

Thread Size BSP		Part Numbers	
mm	inch	Galvanised Malleable Iron	316 Stainless Steel
15	15	FMG-EFF45-15	-
20	¾	FMG-EFF45-20	-
25	1	FMG-EFF45-25	-
32	1¼	FMG-EFF45-32	-
40	1½	FMG-EFF45-40	-
50	2	FMG-EFF45-50	-
65	2½	FMG-EFF45-65	-
80	3	FMG-EFF45-80	SS16E45FF080
100	4	FMG-EFF45-100	-

Product Group: GM01

Product Group: AW01



Galvanised Malleable Iron

45° Elbows - Male x Female



Galvanised Malleable Iron

Thread Size BSP		Part Numbers	
mm	inch	Galvanised Malleable Iron	316 Stainless Steel
15	½	FMG-EMF45-15	-
20	¾	FMG-EMF45-20	-
25	1	FMG-EMF45-25	SS16E45MF025
32	1¼	FMG-EMF45-32	SS16E45MF032
40	1½	FMG-EMF45-40	SS16E45MF040
50	2	FMG-EMF45-50	SS16E45MF050

Product Group: GM01 Product Group: AW01

16.6° Elbow - Male x Female



Stainless Steel

Thread Size BSP		Part Numbers
mm	inch	316 Stainless Steel
25	1	SS16E16MF025
40	1½	SS16E16MF040
50	2	SS16E16MF050
65	2½	SS16E16MF065

Product Group: AW01

Equal Tees - Female



Galvanised Malleable Iron



Stainless Steel

Thread Size BSP		Part Numbers	
mm	inch	Galvanised Malleable Iron	316 Stainless Steel
6	⅛	-	SS16T006
8	¼	FMG-TEE-8	SS16T008
10	⅜	FMG-TEE-10	SS16T010
15	½	FMG-TEE-15	SS16T015
20	¾	FMG-TEE-20	SS16T020
25	1	FMG-TEE-25	SS16T025
32	1¼	FMG-TEE-32	SS16T032
40	1½	FMG-TEE-40	SS16T040
50	2	FMG-TEE-50	SS16T050
65	2½	FMG-TEE-65	SS16T065
80	3	FMG-TEE-80	SS16T080
100	4	FMG-TEE-100	SS16T100

Product Group: GM01 Product Group: AW01

Reducing Tees - Female

Thread Size BSP		Part Numbers
mm	inch	Galvanised Malleable Iron
15 x 10	½ x ⅜	FMG-TEE-15-10
20 x 10	¾ x ⅜	FMG-TEE-20-10
20 x 15	¾ x ½	FMG-TEE-20-15
25 x 10	1 x ⅜	FMG-TEE-25-10
25 x 15	1 x ½	FMG-TEE-25-15
25 x 20	1 x ¾	FMG-TEE-25-20
32 x 15	1¼ x ½	FMG-TEE-32-15
32 x 20	1¼ x ¾	FMG-TEE-32-20
32 x 25	1¼ x 1	FMG-TEE-32-25
40 x 15	1½ x ½	FMG-TEE-40-15
40 x 20	1½ x¾	FMG-TEE-40-20
40 x 25	1½ x1	FMG-TEE-40-25
40 x 32	1½ x 1¼	FMG-TEE-40-32
50 x 15	2 x ½	FMG-TEE-50-15
50 x 20	2 x ¾	FMG-TEE-50-20
50 x 25	2 x 1	FMG-TEE-50-25
50 x 32	2 x 1¼	FMG-TEE-50-32
50 x 40	2 x 1½	FMG-TEE-50-40
65 x 25	2½ x 1	FMG-TEE-65-25
65 x 32	2½ x 1¼	FMG-TEE-65-32
65 x 40	2½ x 1½	FMG-TEE-65-40
80 x 40	3 x 1½	FMG-TEE-80-40
80 x 50	3 x 2	FMG-TEE-80-50
100 x 65	4 x 2½	FMG-TEE-100-65

Product Group: GM01



Hex Nipples

Thread Size BSP		Part Numbers	
mm	inch	Galvanised Malleable Iron	316 Stainless Steel
6	⅛	-	SS16HN006
8	¼	FMG-HN-8	SS16HN008
10	⅜	FMG-HN-10	SS16HN010
15	½	FMG-HN-15	SS16HN015
20	¾	FMG-HN-20	SS16HN020
25	1	FMG-HN-25	SS16HN025
32	1¼	FMG-HN-32	SS16HN032
40	1½	FMG-HN-40	SS16HN040
50	2	FMG-HN-50	SS16HN050
65	2½	FMG-HN-65	SS16HN065
80	3	FMG-HN-80	SS16HN080
100	4	FMG-HN-100	SS16HN100
		Product Group: GM01	Product Group: AW01



Galvanised Malleable Iron



Stainless Steel

Reducing Hex Nipples



Galvanised Malleable Iron



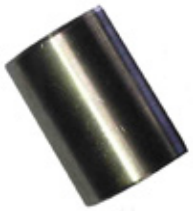
Stainless Steel

Thread Size BSP		Part Numbers	
mm	inch	Galvanised Malleable Iron	316 Stainless Steel
8 x 6	¼ x ⅛	FMG-HN-8-6	SS16N00806
10 x 6	⅜ x ⅛	FMG-HN-10-6	SS16N01006
10 x 8	⅜ x ¼	FMG-HN-10-8	SS16N01008
15 x 6	½ x ⅛	FMG-HN-15-6	-
15 x 8	½ x ¼	FMG-HN-15-8	SS16N01508
15 x 10	½ x ⅜	FMG-HN-15-10	SS16N01510
20 x 8	¾ x ¼	FMG-HN-20-8	SS16N02008
20 x 10	¾ x ⅜	FMG-HN-20-10	SS16N02010
20 x 15	¾ x ½	FMG-HN-20-15	SS16N02015
25 x 15	1 x ½	FMG-HN-25-15	SS16N02515
25 x 20	1 x ¾	FMG-HN-25-20	SS16N02520
32 x 15	1 ¼ x ½	FMG-HN-32-15	-
32 x 20	1¼ x ¾	FMG-HN-32-20	SS16N03220
32 x 25	1¼ x 1	FMG-HN-32-25	SS16N03225
40 x 15	1½ x ½	FMG-HN-40-15	-
40 x 20	1½ x ¾	FMG-HN-40-20	SS16N04020
40 x 25	1½ x 1	FMG-HN-40-25	SS16N04025
40 x 32	1½ x 1¼	FMG-HN-40-32	SS16N04032
50 x 25	2 x 1	FMG-HN-50-25	SS16N05025
50 x 32	2 x 1¼	FMG-HN-50-32	SS16N05032
50 x 40	2 x 1½	FMG-HN-50-40	SS16N05040
65 x 50	2½ x 2	FMG-HN-65-50	SS16N06550
80 x 50	3 x 2	FMG-HN-80-50	SS16N08050
80 x 65	3 x 2½	FMG-HN-80-65	SS16N08065
100 x 50	4 x 2	FMG-HN-100-50	SS16N10050
100 x 65	4 x 2½	FMG-HN-100-65	-
100 x 80	4 x 3	FMG-HN-100-80	SS16N10080
		Product Group: GM01	Product Group: AW01

Sockets



Galvanised Malleable Iron



Stainless Steel

Thread Size BSP		Part Numbers	
mm	inch	Galvanised Malleable Iron	316 Stainless Steel
6	⅛	-	SS16S006
8	¼	FMG-SOC-8	SS16S008
10	⅜	FMG-SOC-10	SS16S010
15	½	FMG-SOC-15	SS16S015
20	¾	FMG-SOC-20	SS16S020
25	1	FMG-SOC-25	SS16S025
32	1¼	FMG-SOC-32	SS16S032
40	1½	FMG-SOC-40	SS16S040
50	2	FMG-SOC-50	SS16S050
65	2½	FMG-SOC-65	SS16S065
80	3	FMG-SOC-80	SS16S080
100	4	FMG-SOC-100	SS16S0100
		Product Group: GM01	Product Group: AW01

Reducing Socket

Thread Size BSP		Part Numbers
mm	inch	Galvanised Malleable Iron
10 x 6	⅜ x ⅛	FMG-SOC-10-6
10 x 8w	⅜ x ¼	FMG-SOC-10-8
15 x 6	½ x ⅛	FMG-SOC-15-6
15 x 8	½ x ¼	FMG-SOC-15-8
15 x 10	½ x ⅜	FMG-SOC-15-10
20 x 10	¾ x ⅜	FMG-SOC-20-10
20 x 15	¾ x ½	FMG-SOC-20-15
25 x 10	1 x ⅜	FMG-SOC-25-10
25 x 15	1 x ½	FMG-SOC-25-15
25 x 20	1 x ¾	FMG-SOC-25-20
32 x 10	1¼ x ⅜	FMG-SOC-32-10
32 x 15	1 ¼ x ½	FMG-SOC-32-15
32 x 20	1¼ x ¾	FMG-SOC-32-20
32 x 25	1¼ x 1	FMG-SOC-32-25
40 x 15	1½ x ½	FMG-SOC-40-15
40 x 20	1½ x ¾	FMG-SOC-40-20
40 x 25	1½ x 1	FMG-SOC-40-25
40 x 32	1½ x 1¼	FMG-SOC-40-32
50 x 10	2 x ⅜	FMG-SOC-50-10
50 x 15	2 x ½	FMG-SOC-50-15
50 x 20	2 x ¾	FMG-SOC-50-20
50 x 25	2 x 1	FMG-SOC-50-25
50 x 32	2 x 1¼	FMG-SOC-50-32
50 x 40	2 x 1½	FMG-SOC-50-40
65 x 25	2½ x 1	FMG-SOC-65-25
65 x 40	2½ x 1½	FMG-SOC-65-40
65 x 50	2½ x 2	FMG-SOC-65-50
80 x 50	3 x 2	FMG-SOC-80-50
80 x 65	3 x 2½	FMG-SOC-80-65
100 x 50	4 x 2	FMG-SOC-100-50
100 x 65	4 x 2	FMG-SOC-100-65
100 x 80	4 x 3	FMG-SOC-100-80



Galvanised Malleable Iron

Product Group: GM01



Galvanised Malleable Iron



Stainless Steel

Reducing Hex Bush

Thread Size BSP		Part Numbers	
mm	inch	Galvanised Malleable Iron	316 Stainless Steel
8 x 6	¼ x ⅛	FMG-BUS-8-6	SS16B0806
10 x 6	⅜ x ⅛	FMG-BUS-10-6	SS16B1006
10 x 8	⅜ x ¼	FMG-BUS-10-8	SS16B1008
15 x 6	½ x ⅛	FMG-BUS-15-6	SS16B1506
15 x 8	½ x ¼	FMG-BUS-15-8	SS16B1508
15 x 10	½ x ⅜	FMG-BUS-15-10	SS16B1510
20 x 8	¾ x ¼	FMG-BUS-20-8	SS16B2008
20 x 10	¾ x ⅜	FMG-BUS-20-10	SS16B2010
20 x 15	¾ x ½	FMG-BUS-20-15	SS16B2015
25 x 8	1 x ¼	FMG-BUS-25-8	-
25 x 10	1 x ⅜	FMG-BUS-25-10	-
25 x 15	1 x ½	FMG-BUS-25-15	SS16B2515
25 x 20	1 x ¾	FMG-BUS-25-20	SS16B2520
32 x 15	1 ¼ x ½	FMG-BUS-32-15	SS16B3215
32 x 20	1¼ x ¾	FMG-BUS-32-20	SS16B3220
32 x 25	1¼ x 1	FMG-BUS-32-25	SS16B3225
40 x 15	1½ x ½	FMG-BUS-40-15	SS16B4015
40 x 20	1½ x ¾	FMG-BUS-40-20	SS16B4020
40 x 25	1½ x 1	FMG-BUS-40-25	SS16B4025
40 x 32	1½ x 1¼	FMG-BUS-40-32	SS16B4032
50 x 15	2 x ½	FMG-BUS-50-15	-
50 x 20	2 x ¾	FMG-BUS-50-20	-
50 x 25	2 x 1	FMG-BUS-50-25	SS16B5025
50 x 32	2 x 1¼	FMG-BUS-50-32	SS16B5032
50 x 40	2 x 1½	FMG-BUS-50-40	SS16B5040
65 x 15	2½ x ½	FMG-BUS-65-15	-
65 x 25	2½ x 1	FMG-BUS-65-25	-
65 x 32	2½ x 1¼	FMG-BUS-65-32	-
65 x 40	2½ x 1½	FMG-BUS-65-40	-
65 x 50	2½ x 2	FMG-BUS-65-50	SS16B6550
80 x 25	3 x 1	FMG-BUS-80-25	-
80 x 40	3 x 1½	FMG-BUS-80-40	-
80 x 50	3 x 2	FMG-BUS-80-50	SS16B8050
80 x 65	3 x 2½	FMG-BUS-80-65	SS16B8065
100 x 50	4 x 2	FMG-BUS-100-50	SS16B100050
100 x 65	4 x 2½	FMG-BUS-100-65	-
100 x 80	4 x 3	FMG-BUS-100-80	SS16B10080
150 x 80	6 x 3	FMG-BUS-150-80	-
150 x 100	6 x 4	FMG-BUS-150-100	-
		Product Group: GM01	Product Group: AW01

Hex Plugs

Thread Size BSP		Part Numbers	
mm	inch	Galvanised Malleable Iron	316 Stainless Steel
6	⅛	FMG-HP-6	-
8	¼	FMG-HP-8	SS16XP008
10	⅜	FMG-HP-10	SS16XP010
15	½	FMG-HP-15	SS16XP015
20	¾	FMG-HP-20	SS16XP020
25	1	FMG-HP-25	SS16XP025
32	1¼	FMG-HP-32	SS16XP032
40	1½	FMG-HP-40	SS16XP040
50	2	FMG-HP-50	SS16XP050
65	2½	FMG-HP-65	SS16XP065
80	3	FMG-HP-80	SS16XP080
100	4	FMG-HP-100	SS16XP100

Product Group: GM01



Galvanised Malleable Iron



Stainless Steel

Unions - Female x Female

Thread Size BSP		Part Numbers	
mm	inch	Galvanised Malleable Iron	316 Stainless Steel
10	⅜	FMG-UBS-10	SS16FU010
15	½	FMG-UBS-15	SS16FU015
20	¾	FMG-UBS-20	SS16FU020
25	1	FMG-UBS-25	SS16FU025
32	1¼	FMG-UBS-32	SS16FU032
40	1½	FMG-UBS-40	SS16FU040
50	2	FMG-UBS-50	SS16FU050
65	2½	FMG-UBS-65	SS16FU065
80	3	FMG-UBS-80	SS16FU080
100	4	FMG-UBS-100	SS16FU100

Product Group: GM01 Product Group: AW01



Galvanised Malleable Iron



Stainless Steel

Backnuts

Thread Size BSP		Part Numbers
mm	inch	Galvanised Malleable Iron
15	½	FMG-BAC-15
25	1	FMG-BAC-25
32	1¼	FMG-BAC-32
50	2	FMG-BAC-50
65	2½	FMG-BAC-65
100	4	FMG-BAC-100

Product Group: GM01





Flanges - Drilled Table D

Thread Size BSP		Part Numbers
mm	inch	Galvanised Malleable Iron
15	½	FMG-FD-15
20	¾	FMG-FD-20
25	1	FMG-FD-25
32	1¼	FMG-FD-32
40	1½	FMG-FD-40
50	2	FMG-FD-50
65	2½	FMG-FD-65
80	3	FMG-FD-80
100	4	FMG-FD-100
150	6	FMG-FD-150

Product Group: GM01



Galvanised Malleable Iron

Cross

Thread Size BSP		Part Numbers	
mm	inch	Galvanised Malleable Iron	316 Stainless Steel
15	½	FMG-CRO-15	SS16CR015
20	¾	FMG-CRO-20	-
25	1	FMG-CRO-25	-
32	1¼	FMG-CRO-32	-
40	1½	FMG-CRO-40	-
50	2	FMG-CRO-50	-
65	2½	FMG-CRO-65	-
80	3	FMG-CRO-80	-
100	4	FMG-CRO-100	-

Product Group: GM01



Galvanised Malleable Iron



Stainless Steel

Caps

Thread Size BSP		Part Numbers	
mm	inch	Galvanised Malleable Iron	316 Stainless Steel
8	¼	FMG-CAP-8	-
10	⅜	FMG-CAP-10	-
15	½	FMG-CAP-15	-
20	¾	FMG-CAP-20	SS16C020
25	1	FMG-CAP-25	SS16C025
32	1¼	FMG-CAP-32	SS16C032
40	1½	FMG-CAP-40	SS16C040
50	2	FMG-CAP-50	SS16C050
65	2½	FMG-CAP-65	-
80	3	FMG-CAP-80	SS16C080
100	4	FMG-CAP-100	SS16C100

Product Group: GM01 Product Group: AW01

Reducing Male BSP Hose Tails

Male BSP		Hose Tail		Part Numbers
mm	inch	mm	inch	316 Stainless Steel
15	½	20	¾	SS16HTR1520
20	¾	15	½	SS16HTR2015
20	¾	16	⅝	SS16HTR2016
25	1	16	⅝	SS16HTR2516
25	1	20	¾	SS16HTR2520
40	1½	32	1¼	SS16HTR4032
50	2	40	1½	SS16HTR5040
50	1	45	1¾	SS16HTR5045
65	2½	50	2	SS16HTR6550
80	3	65	2½	SS16HTR8065
100	4	80	3	SS16HTR10080

Product Group: AW01



Male BSP Hose Tails

Male BSP		Hose Tail		Part Numbers
mm	inch	mm	inch	316 Stainless Steel
6	⅛	6	⅛	SS16HT006
8	¼	8	¼	SS16HT008
10	⅜	10	⅜	SS16HT010
15	½	15	½	SS16HT015
20	¾	20	¾	SS16HT020
25	1	25	1	SS16HT025
32	1¼	32	1¼	SS16HT032
40	1½	40	1½	SS16HT040
50	2	50	2	SS16HT050
65	2½	65	2½	SS16HT065
80	3	80	3	SS16HT080
100	4	100	4	SS16HT0100
150	6	150	6	SS16HT0150

Product Group: AW01



Toe Weld Nipples

Thread Size BSP		Part Numbers
mm	inch	316 Stainless Steel
10	⅜	SS16TN010
15	½	SS16TN015
20	¾	SS16TN020
25	1	SS16TN025
32	1¼	SS16TN032
40	1½	SS16TN040
50	2	SS16TN050
65	2½	SS16TN065
80	3	SS16TN080
100	4	SS16TN0100

Product Group: AW01



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Brass Ball Valve - General Purpose

Application
- Recommended for general use with water, oil and gas.

Design
- Robust in construction
- Blow-out proof stem design

Material
- Body: nickel-plated brass with stainless steel handle
- Seat: PTFE
- Ball: chrome-plated brass
- Teflon seats, packing, and thrust washer

End Connection
- Female x female BSP

Operating Temperature
- -10°C - 110°C

Notes
- Quarter turn is "ON" or "OFF"
- The valve is fully open when the handle is parallel to the valve body
- Quarter turn the valve clockwise to make it fully shutoff



Size		Part Numbers	Working Pressure		Weight (kg)
mm	inch		PSI	Bar	
6	¼	BBVSTD006SS	362	25	0.12
10	⅜	BBVSTD010SS	362	25	0.12
15	½	BBVSTD012SS	362	25	0.20
20	¾	BBVSTD020SS	362	25	0.30
25	1	BBVSTD025SS	362	25	0.43
32	1¼	BBVSTD032SS	362	25	0.83
40	1½	BBVSTD040SS	362	25	0.95
50	2	BBVSTD050SS	362	25	2.05
65	2½	BBVSTD065SS	362	25	3.84
80	3	BBVSTD075SS	200	16	5.39
100	4	BBVSTD100SS	200	16	7.36

Product Group: AR01

Brass Ball Valve - AGA Approved

Application
- Recommended for general use with water, oil and gas.

Design
- Full bore
- Blow-out proof stem design

Material
- Body: nickel-plated brass with stainless steel handle
- Seat: PTFE
- Ball: chrome-plated brass

End Connection
- Female BSP

Operating Temperature
- -10°C - 110°C

Approvals
- AGA certified



Lever Handle - Female x Female BSP

Size		Part Numbers	Working Pressure		Weight (kg)
mm	inch		PSI	Bar	
6	¼	BBVAGA006	362	25	0.12
10	⅜	BBVAGA010	362	25	0.12
15	½	BBVAGA012	362	25	0.20
20	¾	BBVAGA020	362	25	0.30
25	1	BBVAGA025	362	25	0.43
32	1¼	BBVAGA032	362	25	0.83
40	1½	BBVAGA040	362	25	0.95
50	2	BBVAGA050	362	25	2.05

Product Group: AR01

T-Handle - Female x Female BSP

Size		Part Numbers	Working Pressure		Weight (kg)
mm	inch		PSI	Bar	
6	¼	BBVAGAT006	710	49	0.16
10	⅜	BBVAGAT010	710	49	0.16
15	½	BBVAGAT012	710	49	0.20
20	¾	BBVAGAT020	570	39	0.30
25	1	BBVAGAT025	570	39	0.43

Product Group: AR01



Lever Handle - Male x Female BSP

Operating Temperature

- -20°C - 60°C (class T2 under EN331)

Size		Part Numbers	Working Pressure		Weight (kg)
mm	inch		PSI	Bar	
15	½	BBVAGAMF012	710	49	0.20
20	¾	BBVAGAMF020	570	39	0.30
25	1	BBVAGAMF025	570	39	0.63
40	1 ½	BRBLMF040	363	25	-

Product Group: AR01



Mini Ball Valves

Application

- Domestic water services, heating and air-conditioning plants, and compressed air systems.

Design

- Full bore
- Blow-out proof stem design with chrome ball

End Connection

- Screwed female and male/female BSP
- ISO228 (equivalent to DIN259 and BS2779)

Material

- Body: nickel-plated brass
- Seat: PTFE seat
- Ball: chrome-plated brass

Operating Temperature

- 0°C - 90°C

Female x Female BSP

Size		Part Numbers	Working Pressure	
mm	inch		PSI	Bar
6	¼	MBVFF006	220	15
10	⅜	MBVFF010	220	15
15	½	MBVFF012	220	15
20	¾	MBVFF020	220	15

Product Group: AR01



Male x Female BSP

Size		Part Numbers	Working Pressure	
mm	inch		PSI	Bar
6	¼	MBVMF006	220	15
10	⅜	MBVMF010	220	15
15	½	MBVMF012	220	15
20	¾	MBVMF020	220	15

Product Group: AR01



Deadman Ball Valves

Application

- Used as a fail-safe closed valve for petrochemical and other media where spillage can cause damage or injury if an operator incorrectly opens the valve.

Design

- Deadman spring return ball valve
- Available in 2-piece and 3-piece

Material

- Body: 316 stainless steel
- Seat: PTFE
- Trim: CF8M (316 stainless steel)

End Connection

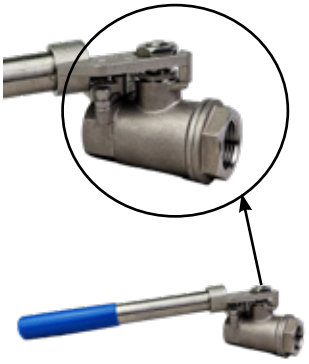
- Female BSP

Working Pressure

- 1000 PSI (69 bar)

Available Options

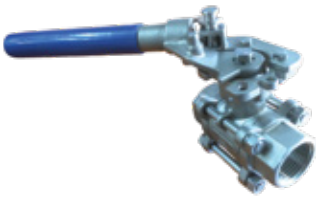
- 2-piece 2000 PSI NPT available on request



2-Piece

Size		Part Numbers
mm	inch	
12	½	SS2PSR015
20	¾	SS2PSR020
25	1	SS2PSR025
40	1½	SS2PSR040
50	2	SS2PSR050

Product Group: VS02



3-Piece

Size		Part Numbers
mm	inch	
12	½	SAS22015
20	¾	SAS22020
25	1	SAS22025
40	1½	SAS22040
50	2	SAS22050

Product Group: AR02

API 607 Fire Safe Certified ANSI Flange Ball Valves - Petrochemical

Application
- Petroleum, oil and gas, low-pressure saturated steam, mining, and industrial applications.

Design
- Lockable levers

Material
- Body: cast steel (ATSM A216 WCB)
- Body: 316 stainless steel (CF8M)
- Seat: R-PTFE
- Ball: ASTM A351 CF8M

End Connection
- Flanged drilled ANSI 150

Working Pressure
- 285 PSI for water, oil, gas, and some corrosive fluids

Approvals
- Fire-safe certified API 607
- 3.1 test certificates available on request

Available Options
- ANSI class 300 and 600 in WCB and CF8M
- Gear operated, electric and pneumatic actuated

Size		Part Numbers	
mm	inch	316 Stainless Steel (CF8M)	Cast Steel (WCB)
12	½	V2FH-015	V2FH-WCB-015
20	¾	V2FH-020	V2FH-WCB-020
25	1	V2FH-025	V2FH-WCB-025
32	1¼	V2FH-032	V2FH-WCB-032
40	1½	V2FH-040	V2FH-WCB-040
50	2	V2FH-050	V2FH-WCB-050
65	2½	V2FH-065	V2FH-WCB-065
80	3	V2FH-080	V2FH-WCB-080
100	4	V2FH-100	V2FH-WCB-100
150	6	V2FH-150	V2FH-WCB-150
		Product Group: VS02	Product Group: VF08



Stainless Steel


Cast Steel

ANSI 150 and Table E Ball Valves

Application
- Water, oil and gas, petroleum products, saturated steam, common chemicals compatible with body, trim and seat materials.

Design
- Lockable levers

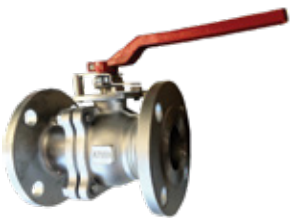
Material
- Body: 316 stainless steel (CF8M)
- Seat: PTFE
- Ball: stainless steel

End Connection
- Flanged drilled ANSI 150 or Table D/E

Working Pressure
- 285 PSI for water, oil, gas, and some corrosive fluids

Available Options
- Gear operated, electric and pneumatic actuated

Size		Part Numbers	
mm	inch	ANSI 150	Table D/E
12	½	V2F-150-015	-
20	¾	V2F-150-020	-
25	1	V2F-150-025	-
32	1¼	V2F-150-032	-
40	1½	V2F-150-040	-
50	2	V2F-150-050	V2F-150DR-050
65	2½	V2F-150-065	V2F-150DR-065
80	3	V2F-150-080	V2F-150DR-080
100	4	V2F-150-100	V2F-150DR-100
150	6	V2F-150-150	V2F-150DR-150
200	8	V2F-150-200	-
		Product Group: VS02	



ANSI Flange Ball Valve - Jacketed

Application
- Bitumen, resins, polymers, paint, food products, chemicals, and pharmaceuticals.

Design
- Jacket suitable for hot oil, steam and thermal oil
- Fire safe design
- Lockable lever
- Anti-static device ISO 5211

Material
- Body: cast steel (WCB)
- Seat: PTFE

End Connection
- Flanged RF ANSI 150

Working Pressure
- 285 PSI (20 bar)

Approvals
- Fire-safe certified API 607
- Tested to BS EN 12266-I

Options
- 316 stainless steel (CF8M), 304 (CF8), 304L, 316L
- Sizes: 150mm x 100mm and 250mm x 100mm



Size		Part Numbers	Jacket Connection
mm	inch		
50 x 25	2 x 1	BVJ-50X25-WCB	12mm (½") BSP/NPT
65 x 40	2½ x 1½	BVJ-65X40-WCB	12mm (½") BSP/NPT
80 x 50	3 x 2	BVJ-80X50-WCB	12mm (½") BSP/NPT
100 x 65	4 x 2½	BVJ-100X65-WCB	12mm (½") BSP/NPT
100 x 80	4 x 3	BVJ-100X80-WCB	12mm (½") BSP/NPT

Product Group: VS02

API 607 Fire Safe Certified SS316 Ball Valve - 2000 PSI

Application
- Petroleum, oil and gas, low-pressure saturated steam, mining, and general services.

Design
- 3-piece
- Full bore ASME B16.34
- ISO top
- Locking lever

Material
- Body: 316 stainless steel (ASTM A351 CF8M)
- Seat: R-PTFE (25% carbon fibre)
- Ball: 316 stainless steel
- Stem: A276 316

End Connection
- Female BSP or NPT

Temperature
- -29°C - 180°C

Working Pressure
- 2000 PSI CWP (138 bar)

Approvals
- Fire-safe certified API 607

Options
- Socket weld
- Pneumatic and electric actuation



Size		Part Numbers	
mm	inch	BSP	NPT
12	½	SS3PFSB-015	SS3PFSN-015
20	¾	SS3PFSB-020	SS3PFSN-015
25	1	SS3PFSB-025	SS3PFSN-015
32	1¼	SS3PFSB-032	SS3PFSN-015
40	1½	SS3PFSB-040	SS3PFSN-015
50	2	SS3PFSB-050	SS3PFSN-015

Product Group: VS02

API 607 Fire Safe Forged Steel Ball Valve - Class 800

Application
- Petroleum, oil and gas, low-pressure saturated steam, mining, and industrial applications.

Design
- Class 800 forged steel BS5351, API 598, ASME B1.20.1
- Full bore

Material
- Body: 3-piece forged steel (ASTM A 105N)
- Seat: R-PTFE
- Ball: 304 stainless steel
- Stem: A276 420

End Connection
- Female BSP/NPT or socket weld

Temperature
- -15°C - 180°C

Working Pressure
- 1975 PSI CWP (136 bar)

Approvals
- Fire-safe certified API 607

Size		Part Numbers		
mm	inch	BSP	NPT	Socket Weld
12	½	FSBVB-015	FSBVN-015	FSBVSW-015
20	¾	FSBVB-020	FSBVN-020	FSBVSW-020
25	1	FSBVB-025	FSBVN-025	FSBVSW-025
32	1¼	FSBVB-032	FSBVN-032	FSBVSW-032
40	1½	FSBVB-040	FSBVN-040	FSBVSW-040
50	2	FSBVB-050	FSBVN-050	FSBVSW-050

Product Group: VB01



Gas and Watermark Certified Stainless Steel Ball Valve

Lockable - Two Piece - BSP

Application
- Dual approved for gas (AGA) and watermark certified, this is a one-solution valve replacing six other common ranges of ball valves, with a high working pressure and suitable for use in a wide variety of markets. The floating ball is permitted to smoothly rotate on the seats, ensuring a low torque on open/close action. Will not corrode and can be locked in an open or closed position.

Design
- 2-piece
- Locking device
- Full bore
- Isolating ball valve

Material
- Body: 304 stainless steel (CF8)
- Seat: PTFE
- Ball: 304 stainless steel (CF8)
- Lever: 304 stainless steel (CF8)

End Connection
- Female BSP

Working Pressure
- 1000 PSI CWP (69 bar)

Approvals
- AGA and Watermark

Size		Part Numbers
mm	inch	
6	¼	SS2CF8-08MM
10	⅜	SS2CF8-10MM
12	½	SS2CF8-12MM
20	¾	SS2CF8-20MM
25	1	SS2CF8-25MM
32	1¼	SS2CF8-32MM
40	1½	SS2CF8-40MM
50	2	SS2CF8-50MM
65	2½	SS2CF8-65MM
80	3	SS2CF8-80MM
100	4	SS2CF8-100MM

Product Group: VS02



Stainless Steel Ball Valve - One Piece - BSP

1000 PSI - Watermark Certified

Application

- For use with air, water, oil and gas and most chemicals that are compatible with body and trim.

Design

- 1-piece
- Locking device
- Standard port

Material

- Body: 316 stainless steel (CF8M)
- Seat: PTFE

End Connection

- Female BSP

Working Pressure

- 1000 PSI CWP (69 bar)

Approvals

- Watermark



Size		Part Numbers
mm	inch	
6	¼	SS1P-06MM
10	⅜	SS1P-10MM
12	½	SS1P-12MM
20	¾	SS1P-20MM
25	1	SS1P-25MM
32	1¼	SS1P-32MM
40	1½	SS1P-40MM
50	2	SS1P-50MM

Product Group: VS02

Stainless Steel Ball Valve - Two Piece - Female BSP

1000 PSI - AGA & Watermark Certified

Application

- For use with air, water, oil and gas and fluids that are compatible with body and trim.

Design

- 2-piece
- Locking device
- Full bore

Material

- Body: 316 stainless steel (CF8M)
- Seat: PTFE

End Connection

- Female BSP

Working Pressure

- 1000 PSI CWP (69 bar)

Approvals

- AGA and Watermark



Size		Part Numbers
mm	inch	
6	¼	SS2P-08MM
10	⅜	SS2P-10MM
12	½	SS2P-12MM
20	¾	SS2P-20MM
25	1	SS2P-25MM
40	1½	SS2P-40MM
50	2	SS2P-50MM
65	2½	SS2P-65MM
80	3	SS2P-80MM
100	4	SS2P-100MM

Product Group: VS02

Stainless Steel Ball Valve - Two Piece - Male x Female BSP

1000 PSI - AGA & Watermark Certified

Application

- For use with air, water, oil, gas, and most chemicals that are compatible with body and trim.

Design

- 2-piece
- Locking device
- Full bore

Material

- Body: 316 stainless steel (ASTM A351 CF8M)

End Connection

- Male x female BSP

Working Pressure

- 1000 PSI CWP for water, oil and gas, and fluids that are compatible with body and trim

Approvals

- AGA and Watermark

Size		Part Numbers
mm	inch	
6	¼	SS2P-MF-08MM
10	⅜	SS2P-MF-10MM
12	½	SS2P-MF-15MM
20	¾	SS2P-MF-20MM
25	1	SS2P-MF-25MM
32	1¼	SS2P-MF-32MM
40	1½	SS2P-MF-40MM
50	2	SS2P-MF-50MM

Product Group: VS02



Stainless Steel Ball Valve - Two Piece - NPT

1000 PSI & 2000 PSI

Application

- For use with air, water, oil, gas, and most chemicals where compatible with body and trim.

Design

- 2-piece
- Locking device
- Full bore

Material

- Body: 316 stainless steel (ASTM A351 CF8M)
- Ball: 316 stainless steel (ASTM A351 CF8M)
- Seat: PTFE

End Connection

- Female NPT

Pressure

For water, oil and gas, and fluids that are compatible with body and trim

- 1000 PSI CWP
- 2000 PSI CWP

Size		Part Numbers	
mm	inch	1000 PSI	2000 PSI
12	½	SS2P-15NPT	SS2P015-SL
20	¾	SS2P-20NPT	SS2P020-SL
25	1	SS2P-25NPT	SS2P025-SL
32	1¼	SS2P-32NPT	SS2P032-SL
40	1½	SS2P-40NPT	SS2P040-SL
50	2	SS2P-50NPT	SS2P050-SL

Sizes upto 4" NPT 1000 PSI available on request

Product Group: AR02



Stainless Steel Ball Valve - Three Piece - BSP

1000 PSI - Watermark Certified

Application

- For use with air, water, oil, gas, and most chemicals that are compatible with body and trim.

Design

- 3-piece
- Full bore

Material

- Body: 316 stainless steel
- Seat: PTFE

End Connection

- Screwed female BSP

Working Pressure

- 1000 PSI CWP (69 bar)

Approvals

- Watermark

Available Connection Options

- Female NPT
- Butt and socket weld
- ISO 5211 mount for actuation



Size		Part Numbers
mm	inch	
12	½	SS3P-12MM
20	¾	SS3P-20MM
25	1	SS3P-25MM
32	1¼	SS3P-32MM
40	1½	SS3P-40MM
50	2	SS3P-50MM
65	2½	SS3P-65MM
75	3	SS3P-75MM
100	4	SS3P-100MM

Product Group: VS02

Stainless Steel Ball Valve - Three Piece - Pneumatic Actuator

Application

- Most fluid applications and air or gas where compatible with the valve, body, and trim.

Design

- 3-piece
- Full bore
- Fitted with double acting and spring return actuator

Material

- Body: 316 stainless steel (ASTM A351 CF8M)

End Connection

- Female BSP or NPT

Working Pressure

- 1000 PSI (69 bar)
- Actuator requires a minimum of 80 PSI (5.5 bar) air pressure

Approvals

- Watermark
- ISO 5211 (mounting plate)

Available Control Options

- Namur solenoid valves
- Limit switch box
- Proximity switch box
- Electro-pneumatic
- Smart digital positioners
- Air filter/regulators
- Speed controllers and silencers



Size		Part Numbers	
mm	inch	Double Acting	Spring Return
12	½	SS3P015-ACT-DA	SS3P015-ACT-SR
20	¾	SS3P020-ACT-DA	SS3P020-ACT-SR
25	1	SS3P025-ACT-DA	SS3P025-ACT-SR
32	1¼	SS3P032-ACT-DA	SS3P032-ACT-SR
40	1½	SS3P040-ACT-DA	SS3P040-ACT-SR
50	2	SS3P050-ACT-DA	SS3P050-ACT-SR
65	2½	SS3P065-ACT-DA	SS3P065-ACT-SR
80	3	SS3P080-ACT-DA	SS3P080-ACT-SR
100	4	SS3P100-ACT-DA	SS3P100-ACT-SR

Product Group: VS02

Stainless Steel Ball Valve - Three Piece - Electric Actuator

Application
- For use with air, water, oil, gas, and most chemicals that are compatible with body and trim.

Design
- 3-piece
- Full bore
- 240AC actuator open/shut

Material
- Valve body: 316 stainless steel
- Actuator body: hard anodised aluminium - IP67
- Seat: PTFE

End Connection
- Female BSP

Available Options
- 110V AC, 24V AC, 24V DC

Size		Part Numbers
mm	inch	
12	½	SS3P015-EA
20	¾	SS3P020-EA
25	1	SS3P025-EA
32	1¼	SS3P032-EA
40	1½	SS3P040-EA
50	2	SS3P050-EA
65	2½	SS3P065-EA
80	3	SS3P080-EA
100	4	SS3P100-EA

Product Group: VS02



Three Way Stainless Steel Ball Valve - L & T Port

Application
- For use with air, water, oil and gas and most chemicals that are compatible with body and trim.

Design
- Lever operated
- Locking device
- Blow-out proof stem
- ISO 5211 mounting

Material
- Body: 316 stainless steel (ASTM A351 CF8M)
- Ball: 316 stainless steel (ASTM A351 CF8M)
- Seat: PTFE

End Connection
- Female BSP

Working Pressure
- 1000 PSI (69 bar)

Approvals
- Watermark

Size		Part Numbers	
mm	inch	L port	T port
12	½	SS3WL012	SS3WT012
20	¾	SS3WL020	SS3WT020
25	1	SS3WL025	SS3WT025
32	1¼	SS3WL032	SS3WT032
40	1½	SS3WL040	SS3WT040
50	2	SS3WL050	SS3WT050

Product Group: AR02



Brass Ball Valve - Three Way - L & T Port

Application
- For use with air, water, oil and gas, and most chemicals that are compatible with body and trim.

Design
- Lever operated

Material
- Body: nickel plated brass
- Seat: PTFE

End Connection
- Female BSP

Temperature
- Air: -15°C to 150°C
- Water: 0°C to 150°C without steam

Working Pressure
- 360 PSI (25 bar)



Size		Part Numbers	
mm	inch	L port	T port
6	¼	BBV3WL006	BBV3WT006
10	⅜	BBV3WL010	BBV3WT010
12	½	BBV3WL012	BBV3WT012
20	¾	BBV3WL020	BBV3WT020
25	1	BBV3WL025	BBV3WT025
32	1¼	BBV3WL032	BBV3WT032
40	1½	BBV3WL040	BBV3WT040
50	2	BBV3WL050	BBV3WT050

Product Group: AR01

Brass Ball Valve - Bibcock - BSPP

Application
- Use for water and irrigation.

Design
- Lever tap operated

Material
- Body: nickel plated brass

End Connection
- ISO228 (equivalent to DIN259 and BS2779)

Temperature
- -20°C to 80°C

Working Pressure
- 220PSI (15 bar)



Size		Part Numbers
mm	inch	
12 x 20	½ x ¾	BB015020
20 x 20	¾ x ¾	BB020

Product Group: FP08

Ball Valve - Nozzle

Application
- Used for washdown applications in mining, construction, industrial, and process industries.

Design
- Lever tap operated

Material
- Brass and stainless steel

End Connection
- 20mm (¾") hose tail

Temperature
- -10°C to 110°C

Working Pressure
- 232 PSI (16 bar)



Brass



SS316

Size		Part Numbers	
mm	inch	Brass	Stainless Steel
20	¾	FFS-HRN-BALL	BEW/10205

Product Group: FP08

Minsup® Econovalve® Ball Valves

Application

- This is a general-purpose ball valve suitable for air and water applications in the mining industry. Solid construction with a unique one-piece ball and stem provide a positive on/off action. In-line maintenance is easy for the top-loading 20mm (¾") and 25mm (1") design, and the 3-piece 40mm (1½") and 50mm (2") design.

Design

- 1-piece ball and stem

Material

- Body: SG iron ISO 1083; 400-250-15, zinc plated AS1789
- Seal: Nitrile Butadiene
- Handle: ¾" and 1" pressed mild steel
- Handle: 1½" and 2" SG iron ISO 1083; 400-250-15
- Ball and Stem: SG Iron ISO 1083; 400-250-15 and copper, chrome-plated to AS1192
- Bolts: hex, M10 x 1.5 x 90, grade 8.8 black
- Nuts: hex, M10 x 1.5, zinc plated, grade 8

Working Pressure

- ½" to 2" - 300 PSI

Safety Rating

- 2:1

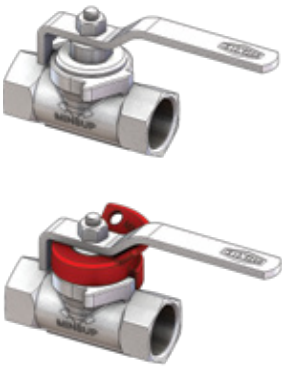
Temperature

- -20°C to 80°C

Female x Female BSP

Size		Part Numbers		Working Pressure (PSI)
mm	inch	Standard	with Lockout	
12	½	-	08/062/03/000	300
20	¾	-	08/062/114/00LO	300
25	1	08/062/113/00	08/062/113/00LO	300
40	1½	-	08/062/847/00LO	300
50	2	08/062/848/00	08/062/848/00LO	300

Product Group: AB01



Female x Female NPT

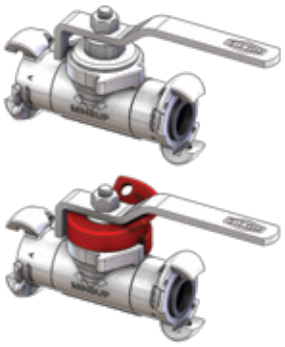
Size		Part Number		Working Pressure (PSI)
mm	inch	Standard	with Lockout	
25	1	-	08/062/102/00LO	300

Product Group: AB01

Minsup® A-Type x A-Type

Size		Part Numbers		Working Pressure (PSI)
mm	inch	Standard	with Lockout	
25	1	08/062/110/00	08/062/110/00LO	300

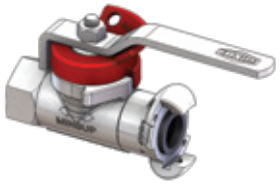
Product Group: AB01



Female BSP x Minsup® A-Type

Size		Part Number		Working Pressure (PSI)
mm	inch	Standard	with Lockout	
25	1	-	08/062/104/00LO	300

Product Group: AB01



minsup

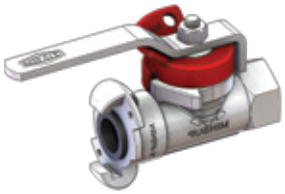




Female BSP x Shouldered

Size		Part Number		Working Pressure (PSI)
mm	inch	Standard	with Lockout	
25	1	08/062/118/00	08/062/118/00LO	300

Product Group: AB01

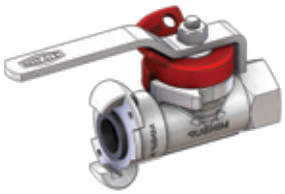


Minsup® Surelock® x Female BSP

to suit Surelock® 10mm (⅜") to 32mm (1¼")

Size		Part Number	Working Pressure (PSI)
mm	inch	with Lockout	
25	1	08/062/172/00LO	300

Product Group: AB01

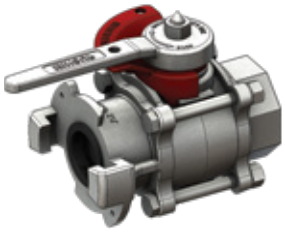


Minsup® Surelock® x Female NPT

to suit Surelock® 10mm (⅜") to 32mm (1¼")

Size		Part Number	Working Pressure (PSI)
mm	inch	with Lockout	
25	1	08/062/108/00LO	300

Product Group: AB01



Minsup® Surelock® x Female BSP

to suit Surelock® 40mm (1½") to 50mm (2")

Size		Part Number	Working Pressure (PSI)
mm	inch	with Lockout	
50	2	08/062/868/00LO	300

Product Group: AB01



Female BSP x Shouldered

Size		Part Number	Working Pressure (PSI)
mm	inch	with Lockout	
50	2	08/062/56/000LO	300

Product Group: AB01



Shouldered x Shouldered

Size		Part Number	Working Pressure (PSI)
mm	inch	with Lockout	
50	2	08/062/849/00LO	300

Product Group: AB01

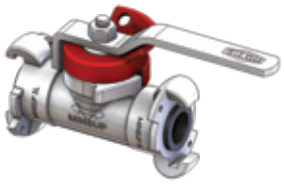
minsup

Minsup® Surelock® x Surelock®

to suit Surelock® 10mm (⅜") to 32mm (1¼")

Size		Part Number	Working Pressure (PSI)
mm	inch	with Lockout	
25	1	08/062/111/00LO	300

Product Group: AB01



Minsup® Surelock® x Surelock®

to suit Surelock® 40mm (1½") to 50mm (2")

Size		Part Number	Working Pressure (PSI)
mm	inch	with Lockout	
50	2	08/062/869/00LO	300

Product Group: AB01



Minsup® Econovalve® Ball Valve Lockout Device

Application

- Designed to retrofit all existing Minsup® Econovalve® configurations. Easy to install. Lock open/lock closed.

Material

- Body: SG iron ISO 1083; 400-250-15, zinc plated AS1789

Approvals

- Design registration 20061456

Size		Part Numbers	Description
mm	inch		
25	1	ELOK100C	To suit 20mm (¾") and 25mm (1")
50	2	ELOK200C	To suit 40mm (1½") and 50mm (2")

Product Group: AB01



ELOK100C

Mining Brass (Bendigo) Water Valve

Application

- Mining water valves or bendigo valves, protect air leg rock drills from dirty mine water by utilising a filter mesh to ensure tools are protected from foreign matter.

Design

- A forged body
- T-handle

Material

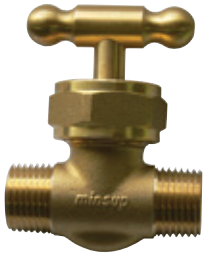
- Body: brass

End Connection

- 12mm (½") male BSP

Size		Part Number	Description
mm	inch		
12	½	05/062/01/000	Male BSP x Male BSP

Product Group: AR01



Gate Valves BSP

Application

- Brass valves are ideal for pumping, irrigation, light industrial, domestic, and rural water and oil services. 316 stainless steel valves are suitable for water, oil, and fluids that are compatible with the valve body material and trim.

Design

- Iron handwheel
- Adjustable packing nut
- Integral seat



Brass



Stainless Steel

End Connection

- Female BSP

Working Pressure

- Brass: 232 PSI CWP (16 bar)
- Stainless steel: 200 PSI (14 bar)

Temperature

- Brass at -20°C to 120°C
- S316 at -20°C to 232°C

Size		Part Numbers	
mm	inch	Brass	316 Stainless Steel
12	½	GV050B	SGV-015
20	¾	GV075B	SGV-020
25	1	GV100B	SGV-025
32	1¼	GV125B	SGV-032
40	1½	GV150B	SGV-040
50	2	GV200B	SGV-050
65	2½	GV250B	-
80	3	GV300B	-
100	4	GV400B	-
		Product Group: VB04	Product Group: VS02

Gate Valves DZR Tested - Lead Free

Application

- Used for industrial, pneumatic, hydraulic and HVAC.

Design

- Iron handwheel
- Adjustable packing nut
- Integral seat

Material

- Body: DZR brass
- Wedge: DZR brass solid wedge disc

End Connection

- Female BSP



Working Pressure

- 362 PSI (25 bar)

Temperature

- -20°C - 120°C

Approvals

- Complies with AS1628
- Watermark approved LIC
- Lead free certification - AS3718 - 2021

Size		Part Numbers
mm	inch	
12	½	V15GVT
20	¾	V20GVT
25	1	V25GVT
32	1¼	V32GVT
40	1½	V40GVT
50	2	V50GVT
65	2½	V65GVT
80	3	V80GVT
100	4	V100GVT

Product Group: VB05

Gate Valves Forged Steel - Class 800

Application
- Used for petroleum, oil, gas, and low-pressure steam.

Design
- Class 800 forged steel BS5351
- API 602
- ASME B1.201

Features
- OS&Y
- Bolted bonnet
- Solid wedge

Material
- Body: forged steel - ASTM A 105N
- Seat: ASTM A276 420
- Wedge and Stem: ASTM A182 F6a

Working Pressure
- 1975 PSI (136 bar)

End Connection
- Female BSP/NPT and socket weld

Temperature
- -20°C to 380°C

Available Options
- SS316 available in screwed NPT
- Class 1500 available in NPT ends

Size		Part Numbers		
mm	inch	BSP	NPT	Socket Weld
12	½	FSGVB-015	FSGVN-015	FSGVB-SW-015
20	¾	FSGVB-020	FSGVN-020	FSGVB-SW-020
25	1	FSGVB-025	FSGVN-025	FSGVB-SW-025
32	1¼	FSGVB-032	FSGVN-032	FSGVB-SW-032
40	1½	FSGVB-040	FSGVN-040	FSGVB-SW-040
50	2	FSGVB-050	FSGVN-050	FSGVB-SW-050

Product Group: VF08



Quick Acting Gate Valve

Application
- Used for quick discharge and shut off for water, air, gas, and fluids that are compatible with valve body and trim.

Features
- Anticlog
- Full flow

Material
- Body: brass
- Seat and stem: brass

Working Pressure
- DN80 and DN100: 145 PSI (10 bar)
- DN150: 116 PSI (8 bar)

End Connection
- Female BSP (ISO 228/1)
- Female NPT (ANSI B1.20.1)

Temperature
- -20°C (without liquid) to 90°C

Available Options
- Valve with square flange/threaded configuration

Size		Part Numbers	
mm	inch	NPT	BSP
80	3	GV-QA-080	GV-QA-080B
100	4	GV-QA-100	GV-QA-100B
150	6	GV-QA-150	GV-QA-150B

Product Group: VB04



Gate Valves Shouldered - Figure GVNR-S-1161

Application
- Used for mining in water and slurry applications.

Design
- Non-rising stem
- Shoulder dimensions are made in accordance with metric pipe
- Conforms to BS5150 - PN20 rated

Material
- Body: ductile iron
- Stem: stainless steel
- Seat: bronze
- Wedge: cast iron

End Connection
- Shouldered



Size		Part Numbers	Face-to-Face (mm)
mm	inch		
100	4	GVNR-S-1161-100	229
150	6	GVNR-S-1161-150	292

Product Group: VC05

Post Indicator NRS Gate Valves Flanged

Application
- Fire protection and distribution services for water, sewage and neutral liquids.

Design
- Non-rising stem

Material
- Body: ductile iron - ASTM A536
- Wedge: ductile iron, EPDM encapsulated

End Connection
- Flanged standard ASME B16.1 drilled Table E

Temperature
- -0.6°C to 80°C

Pressure
- 300 PSI CWP (20 bar)

Approvals
- UL/FM, NSF certified; lead free

Available Options
- Grooved ends
- Flange: ANSI 150, BS PN16



Size		Part Numbers	Face-to-Face (mm)
mm	inch		
65	2½	VF-GVNR-RW-065E	190
80	3	VF-GVNR-RW-080E	203
100	4	VF-GVNR-RW-100E	229
150	6	VF-GVNR-RW-150E	267
200	8	VF-GVNR-RW-200E	292
250	10	VF-GVNR-RW-250E	330
300	12	VF-GVNR-RW-300E	356

Product Group: VC02



Indicator Post

Size		Part Number
mm	inch	
65-300	2½ - 12	VF-PI

Product Group: VC02

Gate Valves Grooved & Flanged

Application
- For water, sewage and neutral liquids. Bubble tight shut off. Suitable for fire protection and distribution services.

Design
- Resilient seated EPDM encapsulated wedge
- OS&Y

Pressure
- 300 PSI (14/21 bar) @ -0.6°C to 52°C
- ¹200 PSI (14/21 bar) @ -0.6°C to 52°C

Material
- Body: ductile iron

Approvals
- UL/FM approved

End Connection
- Roll grooved
- Flanged Table E

Size		Part Numbers		Face-to-Face (mm)	Pipe OD (mm)
mm	inch	Roll Grooved	Flanged Table E		
65	2½	-	VG172-OSY-E65	190	76.1
80	3	VG172-OSY-G80	VG172-OSY-E80	203	88.9
100	4	VG172-OSY-G100	VG172-OSY-D100¹	229	114.3
100	4	-	VG172-OSY-E100¹	229	165.1
150	6	VG172-OSY-G150	VG172-OSY-E150	267	165.1
200	8	VG172-OSY-G200	VG172-OSY-E200	292	219.1
250	10	VG172-OSY-G250	VG172-OSY-E250	330	273.1
300	12	-	VG172-OSY-E300	356	323.9
		Product Group: VC03	Product Group: VC02		



Monitored Gate Valves - Grooved & Flanged

Application
- For water, sewage and neutral liquids. Bubble tight shut off. Suitable for applications where valves with supervisory switches are required, for example, fire distribution services.

Design
- Rising stem OS&Y

Monitored Device
- Class B - UL/FM

Material
- Body: ductile iron with resilient EPDM wedge

Approvals
- UL/FM approved

End Connection
- Roll grooved
- Flanged Table E

Notes
- Supplied with an anti-tamper switch to be installed on-site

Size		Part Numbers		Face-to-Face (mm)	Pipe OD (mm)
mm	inch	Roll Grooved	Flanged Table E		
80	3	VG172-OSYG80ATS	-	203	88.9
100	4	VG172-OSYG100ATS	VG172-OSYE100ATS	229	114.3
150	6	VG172-OSYG150ATS	VG172-OSYE150ATS	267	165.1
200	8	VG172-OSYG200ATS	VG172-OSYE200ATS	292	219.1
250	10	-	VG172-OSYE250ATS	330	273.1
300	12	-	VG172-OSYE300ATS	356	323.9
			Product Group: VC04		



NRS Gate Valve with Resilient Wedge

Application
- For water, sewage and neutral liquids.

Design
- Non-rising stem

Material
- Body: ductile iron
- Stem: stainless steel
- Fusion bonded epoxy coated

End Connection
- Flanged AS4087 Table D

Temperature
- -0°C to 80°C

Pressure
- 232 PSI (16 bar)

Approvals
- Designed and tested to AS2638.2 and BS5163
- Watermark



Size		Part Numbers	Face-to-Face (mm)
mm	inch		
65	2½	GVNR-RW-1161-65	190
80	3	GVNR-RW-1161-80	203
100	4	GVNR-RW-1161-100	229
150	6	GVNR-RW-1161-150	267
200	8	GVNR-RW-1161-200	292
250	10	GVNR-RW-1161-250	330
300	12	GVNR-RW-1161-300	356

Product Group: VC05

OS&Y Stainless Steel Gate Valves

Application
- Used for water, oil, gas, and petroleum products and fuids suitable with the body material and trim.

Design
- API 600/ASME B1634

Material
- Body: 316 stainless steel

End Connection
- Flanged ANSI 150LB is standard

Pressure
- 285 PSI (20 bar)

Available Options
- Drilled Table D/E up to 150NB
- Cast steel in 150# and 300# ANSI



Size		Part Numbers	Face-to-Face (mm)
mm	inch		
65	2½	VGA-150-065	190
80	3	VGA-150-080	203
100	4	VGA-150-100	229
150	6	VGA-150-150	267
200	8	VGA-150-200	292
250	10	VGA-150-250	330
300	12	VGA-150-300	356

Product Group: VS02

OS&Y Cast Steel Gate Valves - ANSI 150

Application
- Petrochemical, oil and gas, mining, power and general services.

Design
- ANSI 150 cast steel
- OS&Y - ASME B16.34 and API 600

Features
- OS&Y
- Bolted bonnet
- Full bore
- Solid wedge

Material
- Body: cast steel
- DN50 - DN300: ASTM A216 WCB
- DN15 - DN40: ASTM 105

End Connection
- Flanged ANSI 150#

Working Pressure
- 285 PSI CWP (20 bar)

Trim and Seat
- Seat ring and stem: 2Cr13
- Disc: 2Cr13 + STL

Available Options
- Sizes in ½" to 1½" ANSI 150
- ANSI 300 and 600 available in gate, globe and check valves

Size		Part Numbers	Face-to-Face (mm)
mm	inch		
50	2	VGA-CS-150-050	178
65	2½	VGA-CS-150-065	190
80	3	VGA-CS-150-080	203
100	4	VGA-CS-150-100	229
150	6	VGA-CS-150-150	267
200	8	VGA-CS-150-200	292
250	10	VGA-CS-150-250	330
300	12	VGA-CS-150-300	356

Product Group: VF08



Sluice Gate Valves

Application
- Used for potable water, wastewater, sewage and neutral fluids that are compatible with body and trim materials.

Design
- Spindle cap operated and clockwise closing
- Bubble-tight shut-off
- AS2638.2

Material
- Body: ductile iron flange - FBE coated body
- Wedge: EPDM encapsulated - resilient seated to AS2638.2

End Connection
- Flanged Table D - AS2129

Temperature
- Pressure temperature rating 232 PSI at 70°C

Approvals
- Certified to AS2638.2
- WSSA approved

Size		Part Numbers	Face-to-Face (mm)
mm	inch		
80	3	V57SV-80	203
100	4	V57SV-100	229
150	6	V57SV-150	267
200	8	V57SV-200	292
250	10	V57SV-250	330
300	12	V57SV-300	356

Product Group: VC01



T-Handle Valve Key

Application

- Fabricated T-handle valve key used to open spindle cap operated sluice valves that are installed in points in the ground. These keys can be fabricated to customer requirements if required.



Part Number	Overall Length (mm)
FKG-VK	900

Product Group: FG01

Hand Wheels

Application

- To suit AS2638.2 sluice/galve valves.

Material

- Ductile iron



Size		Part Numbers
mm	inch	
100 and 150	4 and 6	V57SVHW-100
200	8	V57SVHW-200
250 and 300	10 and 12	V57SVHW-300

Product Group: VC01

Knife Gate Valves

Application

- Water, slurry, and sewage.

Features

- Full 316 stainless steel lugged Table D valves are uni-directional
- Ductile iron semi-lugged valves are bi-directional

Material

- Body: 316 stainless steel and cast ductile iron
- Knife: 316 stainless steel and 304 stainless steel in the cast iron body

End Connection

- SS316 Lugged Table D is standard
- Ductile iron wafer semi-lugged Table D/E available in some sizes

Working Pressure

- 145 PSI (10 bar)

Available Options

- Sizes up to 600mm available on request
- Cylinders and electric actuators available on request



Stainless Steel



Ductile Iron

Size		Part Numbers		
mm	inch	Stainless Steel Lugged Table D Metal Seat	Ductile Iron Body Wafer Semi-Lugged Soft Seat NBR	Stainless Steel Lugged Table E Metal Seat
80	3	VKG-080-SS	VKG--080	-
100	4	VKG-100-SS	VKG-100	-
150	6	VKG-150-SS	VKG-150	BKGV-E316-MM-150
200	8	VKG-200-SS	VKG-200	BKGV-E316-MM-200
250	10	VKG-250-SS	VKG-250	BKGV-E316-MM-200
300	12	VKG-300-SS	VKG-300	-

Product Group: VC05

Stainless Steel Knife Gate Valves

Application

- The Dixon™ VKG series is a robust uni-directional stainless steel knife gate valve suitable for a wide range of industries including water, wastewater, mining, wineries must transfer, pulp and paper and aquaculture applications. The unique design of the VKG series is perfect for low-pressure applications. Double-row thrust bearings for smooth operation and a hardened chrome-plated 316 stainless steel gate with a PTFE seat, provides the VKG series with the strength and diversity to handle a multitude of applications.

Features

- Size range DN50 - DN1200
- Special replaceable seat
- Roller bearings in stainless steel housing on all sizes
- Fully lugged to suit AS4087 Class 16, Table D
- Stainless steel stem protection tube
- Gearbox included on DN450 and above
- Stainless steel safety guards
- A special adjustable gate guide ensures no leakage
- PTFE seat as standard
- Temperature range up to 200˚C (depending on the seat)

Dixon Brand Manual (hand wheel operated)

- Include stainless steel gate guard and stainless steel stem cover as standard

Dixon Brand Actuated (double acting)

- Includes 24VDC solenoid valve, proximity switches and air filter regulator as standard

Pressure Rating

- DN50 to DN250 - 10 Bar (150 PSI)
- DN300 to DN450 - 7 Bar (90 PSI)
- DN500 to DN600 - 4 Bar (60 PSI)

Maximum Temperature Rating

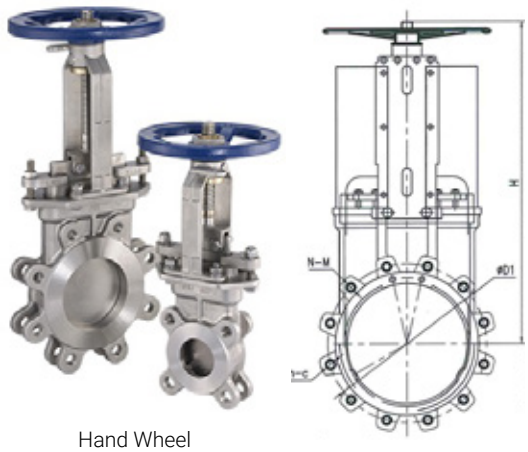
- 180°C PTFE (standard)
- 200°C FKM (optional)
- 120°C EPDM (optional)
- 90°C NBR (optional)
- 200°C Metal (selected sizes)

Approvals

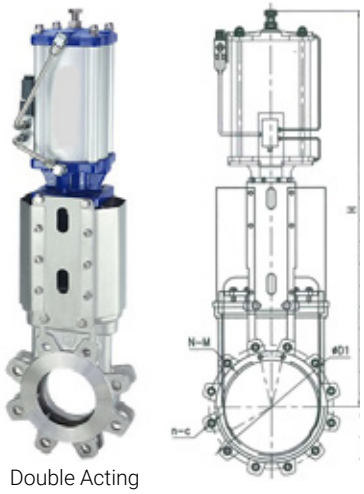
- MSS SP-81

Size		Part Numbers	
mm	inch	Hand Wheel	Double Acting Lugged T/D
50	2	VKG-050-RS-SS	-
65	2½	VKG-065-RS-SS	-
80	3	VKG-080-RS-SS	VKG-080-SS-ACT
100	4	VKG-100-RS-SS	VKG-100-SS-ACT
150	6	VKG-150-RS-SS	VKG-150-SS-ACT
200	8	VKG-200-RS-SS	VKG-200-SS-ACT
250	10	VKG-250-RS-SS	VKG-250-SS-ACT
300	12	VKG-300-RS-SS	VKG-300-SS-ACT

Product Group: VC05



Hand Wheel



Double Acting

DN	L	Ød	ØD1	D2	N-M	n-c	H	
							Hand Wheel	Double Acting
80	51	74	146	122	2-M16	2-M16	546	545
100	51	95	178	154	2-M16	6-M16	610	610
150	57	144	235	207	2-M20	6-M20	705	760
200	70	190	292	264	2-M20	6-M20	815	950
250	70	240	356	328	4-M20	8-M20	940	1135

Minsup® Shouldered Butterfly Valves

Application

- Whether you're working with abrasive materials, high-pressure fluids, or corrosive chemicals, Minsup® shouldered valves can handle the job. They are particularly well-suited for use in mining operations, where their durability and ability to handle abrasive materials make them an excellent choice. Of course, they are also suitable for a variety of other industries, including oil and gas, agriculture, and more.

Features

- Lever operated as standard
- Corrosion-resistant stainless steel disc and shaft
- The lever can be padlocked out in any of the 11 positions
- Nitrile butadiene lining is moulded to the body
- Disc has a high flow coefficient design which minimises flow resistance and cavitation

Material

- Body: SG iron to ISO 1083; 400-250-15
- Lining: nitrile butadiene - 70 duro hardness
- Disc: cast stainless steel grade CF8M to ASTIMA351
- Handle: SG iron ISO 1083: 400-250-15
- Shaft: grade 316 stainless steel
- Seat and Trim: nitrile butadiene lining

End Connection

- Shouldered ends in accordance with ANSI/AWWA C606

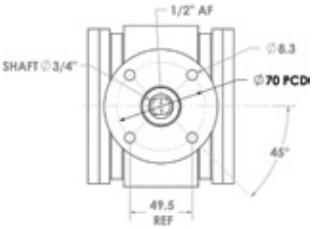
Temperature

- -20°C - 60°C

Working Pressure

- Water: 290 PSI (20 bar)
- Air: 150 PSI (10 bar)





Size		Part Numbers	Face-to-Face (mm)
mm	inch		
100	4	08/002/374/00	116
150	6	08/002/574/00	149

Mounting pads are the same on 100mm (4") and 150mm (6") valves
Handles and actuators will interchange between 100mm (4") and 150mm (6") valves

Product Group: VS01

100mm Shouldered Butterfly Valve - Lockable

Application

- Heavy-duty valve used for isolation and regulating water, wastewater, slurries, gases and fluids that are compatible with the body material and trim.

Features

- Lockable lever operated
- Epoxy-coated ductile iron
- Graduated cap

Material

- Body: ductile iron FBE coated
- Disc: ductile iron and Nitrile Buna rubber
- Lever: SG Iron
- Shaft: 416 stainless steel

Working Pressure

- 232 PSI (16 bar)
- Test pressure: 400 PSI (27 bar)

Working Temperature

- -12°C to 82°C

Available Options

- DN100 and DN150 EPDM with gear operators or pneumatic actuators



Size		Part Number
mm	inch	
100	4	BVD-S-1201-100

Product Group: AB02

Wafer & Lugged Butterfly Valves - 316 Stainless Steel

Application

- Used for petrochemical, oil and gas, marine, and industrial applications.

Features

- Lever operated
- Wafer and fully lugged
- ISO top for direct mounting of actuators
- Stainless steel lever
- Stainless steel notch plate

Material

- Body: 316 stainless steel (CF8M)
- Stem: 316 stainless steel
- Seat: PTFE (EPDM encapsulated)

End Connection

- Wafer type fits between Table D/E and ANSI150 flanges
- Lugged valve is to AS2129 Table E

Working Pressure

- 145 PSI (10 bar)

Accessories

- Gear operators, pneumatic and electric actuators

Available Options

- Wafer and lugged 16 bar rated in Table E/ANSI150

Size		Part Numbers	
mm	inch	Wafer Table E	Lugged Table E
40	1½	BFVW-SS-040	-
50	2	BFVW-SS-050	BFVL-SS-050
65	2½	BFVW-SS-065	BFVL-SS-065
80	3	BFVW-SS-080	BFVL-SS-080
100	4	BFVW-SS-100	BFVL-SS-100
150	6	BFVW-SS-150	BFVL-SS-150
200[1]	8	BFVW-SS-200	BFVL-SS-200

[1]DN200 has gear box operator as standard

Product Group: VS02



Wafer & Lugged Butterfly Valves

Application

- Suitable for water, wastewater, hydro carbons, some chemicals and fluids that are compatible with the trim and seat material.

Features

- Lever or gear operated, ISO 5211 mounted for actuation

End Connection

- Wafer fits Table E and ANSI 150/125 and PN16
- Lugged Table E

Working Pressure

- 232 PSI (16 bar)

Material

- Body: cast iron
- Trim: 316 stainless steel
- Seat: EPDM standard. Nitrile Buna, FKM and PTFE available on request

Available Options

- [1]ANSI150 available
- [2]Gearbox operated
- *Available on request

Size		Part Numbers			Face-to-Face (mm)
mm	inch	Lugged Table E[1]	Wafer EPDM Seat	Wafer NBR Seat	
50	2	LSSE050H	VBF-IBFW050	WDSE050H	43
65	2½	LSSE065H	VBF-IBFW065	WDSE065H	46
80	3	LSSE080H	VBF-IBFW080	WDSE080H	46
100	4	LSSE100H	VBF-IBFW100	WDSE100H	52
125	5	LSSE125H	VBF-IBFW125	WDSE125H	56
150	6	LSSE150H	VBF-IBFW150	WDSE150H	56
200	8	LSSE200H	VBF-IBFW200	WSSE200H	60
250	10	LSSE250H	VBF-IBFW250	WDSE250G[2]	68
300	12	LSSE300H	VBF-IBFW300	WDSE300G[2]	78
350	14	*	VBF-IBFW350[2]	-	78
400	16	*	VBF-IBFW400[2]	-	84
450	18	*	VBF-IBFW450[2]	-	103
500	20	*	VBF-IBFW500[2]	-	127
600	24	*	VBF-IBFW600[2]	-	150

Product Group: VF05

Product Group: VF06



Watermark Lugged Wafer Butterfly Valves

Application
- Suitable for water, wastewater, hydro carbons, some chemicals and fluids that are compatible with the trim and seat material.

Features
- Lever or gear operated, ISO 5211 mounted for actuation

Material
- Body: ductile iron
- Trim: 316 stainless steel
- Seat: EPDM

End Connection
- Lugged Table E

Working Pressure
- 232 PSI (16 bar)

Approvals
- Australian Watermarked



Size		Part Numbers	
mm	inch	Lugged - Lever Operated	Lugged - Gear Operated
50	2	VBF-IBFL0050	-
65	2½	VBF-IBFL0065	-
80	3	VBF-IBFL0080	VBFLW-80-GEAR
100	4	VBF-IBFL0100	VBF-IBFL100
125	5	VBF-IBFL0125	WSSE125G
150	6	VBF-IBFL0150	VBF-IBFL150
200	8	WDSE200H	VBF-IBFL0200
250	10	WDSE250H	VBF-IBFL0250
300	12	WDSE300H	VBFLW-300-GEAR

Product Group: VF05

High Performance Double Offset Butterfly Valve

Application
- Used widely in many industries including heating, ventilating and air conditioning, power generation, hydrocarbon processing, water and wastewater treatment, and marine and commercial shipbuilding. These valves are also installed in applications as diverse as food and beverage processing, snowmaking and pulp and paper production. Configurations are available for harsh conditions as well as applications requiring nominal pressure and temperature ratings.

Features
- Available in wafer, lugged and double flanged
- Unique design
- High performance
- Long service life

Material
- Body: carbon steel (A216-WCB) and 316SS (A651 CF8M)
- Seat options: PTFE, RTFE, 316SS, Inconel, PTFE and stainless steel, RPFE and stainless steel

Available Flange Options
- ASME B16.5, ANSI Class 150, 300 and 600
- JIS B2210: 10K, 16K, 20K
- DIN ISO: PN10, PN16, PN25, PN40

Actuator Options
- Manual: lever and warm gear operator
- Automatic: electric motor, pneumatic - double acting, spring return


Wafer


Flanged


Flanged


Flanged


Lugged


Lugged

Please contact Dixon for available options

Size DN		Part Numbers	Operated	Material	Flange	Seat
mm	inch					
100	4	HMW150CF8MBR-L-4	Lever	SS316	Wafer ANSI150	RPTFE
150	6	HMW150CF8MBR-L-6	Lever	SS316	Wafer ANSI150	RPTFE
200	8	HMW150CF8MBR-G-8	Gear	SS316	Wafer ANSI150	RPTFE

Product Group: VF05

Wafer Pneumatic Actuated Butterfly Valves

Application
- Most fluid applications and air or gas that are compatible with the valve, body and trim. Not suitable for dry applications.

Features
- Wafer type ISO 5211
- Direct mounted
- Minimum external air pressure 80 PSI (5.5 bar)

Working Pressure
- 232 PSI (16 bar)

End Connection
- Wafer universal suits Table D/E, ANSI150 and DIN16
- Lugged Table D, E and ANSI150 available on request

Available Control Options
- Namur solenoid valves
- Limit switch box
- Proximity switch box
- Electro-pneumatic
- Smart digital positioners
- Air filter/regulators
- Speed controllers and silencers

Size		Part Numbers	
mm	inch	Double Acting	Spring Return
50	2	VBF-IBFW050-DA	VBF-IBFW050-SR
65	2½	VBF-IBFW065-DA	VBF-IBFW065-SR
80	3	VBF-IBFW080-DA	VBF-IBFW080-SR
100	4	VBF-IBFW100-DA	VBF-IBFW100-SR
125	5	VBF-IBFW125-DA	VBF-IBFW125-SR
150	6	VBF-IBFW150-DA	VBF-IBFW150-SR
200	8	VBF-IBFW200-DA	VBF-IBFW200-SR
250	10	VBF-IBFW250-DA	VBF-IBFW250-SR
300	12	VBF-IBFW300-DA	VBF-IBFW300-SR

Product Group: VF07



Electric Actuated Butterfly Valves

Application
- Used for electrically operated open/close operations for fluids and gases that are suitable. Not suitable for dry applications. Open/shut only.

Features
- Wafer type

Material
- Body: cast iron
- Trim: 316 stainless steel
- Seat: EPDM

Working Pressure
- 232 PSI (16 bar)

Actuator
- 240V AC is standard, 24V AC/DC on request

End Connection
- Wafer universal suits Table D/E, ANSI150 and DIN16
- Lugged to Table E optional

Available Options
- 4 -20Ma controller available on request for modulating applications

Size		Part Numbers
mm	inch	
50	2	VBF-IBFW050-EA
65	2½	VBF-IBFW065-EA
80	3	VBF-IBFW080-EA
100	4	VBF-IBFW100-EA
125	5	VBF-IBFW125-EA
150	6	VBF-IBFW150-EA
200	8	VBF-IBFW200-EA
250	10	VBF-IBFW250-EA
300	12	VBF-IBFW300-EA

Product Group: VF07



Monitored Wafer Butterfly Valves

Application
- Designed to initiate a signal at appropriate supervisory equipment to show whether a valve is open or closed. Suitable for fire protection and distribution systems.

Features
- Gear operated
- Monitored
- Wafer type

End Connection
- Fits between ANSI 125/150 and Table D/E flanges

Material
- Body: ductile iron
- Disc: ductile iron, EPDM encapsulated
- Stem: 410 stainless steel

Approvals
- UL/FM approved

Working Pressure
- 300 PSI (20.6 bar)



Size		Part Numbers	Face-to-Face (mm)
mm	inch		
100	4	VFBFW-114-GEAR	52
150	6	VFBFW-165-GEAR	56
200	8	VFBFW-219-GEAR	60

Product Group: VB03

Bronze Monitored Butterfly Valves

Application
- Designed to initiate a signal at appropriate supervisory equipment to show whether a valve is open or closed. Suitable for fire protection and distribution systems.

Features
- Gear operated
- Monitored

Approvals
- UL/FM approved

Material
- Body: bronze
- Seat and trim: EPDM encapsulated

Working Pressure
- 175 PSI at 0°C to 80°C



Screwed BSP

Size		Part Numbers	Face-to-Face (mm)
mm	inch		
25	1	VGBBB-34-GEAR	54
32	1¼	VGBBB-43-GEAR	67
40	1½	VGBBB-48-GEAR	73
50	2	VGBBB-60-GEAR	82.4

Product Group: VB03



Grooved

Size		Part Number	Face-to-Face (mm)
mm	inch		
50	2	VGBBF-60-GEAR	114

Product Group: VF01

Grooved Monitored Butterfly Valves

Application
- Used for water, wastewater, HVAC, fire hydrant and distribution services.

Features
- Monitoring device via anti-tamper switches in gear operator

Material
- Body: ductile iron
- Disc: ductile iron, EPDM encapsulated
- Stem: 410 stainless steel

End Connection
- Grooved ends conform to ANSI/AWWA C606

Available Options
- 250mm and 300mm available on request
- Watermark certified valves available on request

Working Pressure
- 300 PSI at 0°C to 80°C

Size		Part Numbers	Face-to-Face (mm)
mm	inch		
65	2½	VGBFHP-76-GEAR	96.4
80	3	VGBFHP-88-GEAR	96.4
100	4	VGBFHP-114-GEAR	115.4
150	6	VGBFHP-165-GEAR	132.4
200	8	VGBFHP-200	147.7

Product Group: VF02



Grooved Butterfly Valves with Lever & Notch Plate

Application
- Used to reticulate water, wastewater, sewage, air and neutral liquids in hydraulic, HVAC and fire hydrant systems.

Features
- Grooved lever operated
- ISO 5211 mounted
- Conforms to UL 1091, FM-class 1112, NSF certified

Material
- Body: ductile iron
- Disc: ductile iron
- Seat and trim: ductile iron, EPDM encapsulated

Working Pressure
- 300 PSI at 80°C

End Connection
- Grooved ends conform to ANSI/AWWA C606

Size		Part Numbers
mm	inch	
50	2	VGBF-60-LEVER
65	2½	VGBF-75-LEVER
80	3	VGBF-88-LEVER
100	4	VGBF-114-LEVER
150	6	VGBF-165-LEVER
200	8	VGBF-219-LEVER

Product Group: VF04



Wafer Check Valves Single Flap

Application
- Used for water, air, and neutral fluids.

Features
- Single flap uni-check

Material
- Body: cast iron, FBE coated
- Seat and trim: EPDM seal
- Disc and spring: 316 stainless steel

End Connection
- Wafer flanged Table E

Temperature
- -20°C to 80°C

Working Pressure
- 145 PSI (10 bar)



Size		Part Numbers	Face-to-Face (mm)
mm	inch		
50	2	SC50MM	44.5
65	2½	SC65MM	47.6
80	3	SC80MM	50.8
100	4	SC100MM	57.2
125	5	SC125MM	63.5
150	6	SC150MM	69.9
200	8	SC200MM	73
250	10	SC250MM	79.4
300	12	SC300MM	85.7

Product Group: VC08

Duo Wafer Check Valves

Application
- Used for water, air, and neutral fluids.

Features
- Double flap uni-check

Material
- Body: cast iron, FBE coated
- Seat and trim: NBR seal
- Disc and spring: 316 stainless steel

End Connection
- Universal ends - fits between Table D/E and ANSI 150 flanges

Temperature
- -10°C to 80°C

Working Pressure
- 232 PSI (16 bar)





Size		Part Numbers	Face-to-Face (mm)
mm	inch		
50	2	VWC-50E	43
65	2½	VWC-65E	46
80	3	VWC-80E	64
100	4	VWC-100E	64
150	6	VWC-150E	76
200	8	VWC-200E	89
250	10	VWC-250E	114
300	12	VWC-300E	114
350	14	VWC-350E	127
400	16	VWC-400E	140
450	18	VWC-450E	152
500	20	VWC-500E	152
600	24	VWC-600E	178

Product Group: VC08

Duo Wafer Stainless Steel Check Valves

Application
- Used for water, oil, and chemicals that can be handled by 316 stainless steel and FKM elastomer seat.

Features
- Suits universal flanges

End Connection
- Suits Tables D/E, ANSI 150/300, DIN PN10 to PN40

Material
- Body: 316 stainless steel
- Disc and spring: 316 stainless steel

Working Pressure
- 580 PSI (40 bar)

Size		Part Numbers
mm	inch	
50	2	DUO316-050
65	2½	DUO316-065
80	3	DUO316-080
100	4	DUO316-100
150	6	DUO316-150
200	8	DUO316-200
250	10	DUO316-250
300	12	DUO316-300

Product Group: VS02



Bronze Swing Check Valves

Application
- Used for general hydraulic, mechanical services and fire protection.

Features
- Can be used in either vertical or horizontal pipelines

End Connection
- Screwed female BSP

Material
- Body: bronze

Temperature/Working Pressure
- Temperature: max. 99°C
- Working pressure: 290 PSI (20 bar) for water, oil and gas

Approved Bronze Swing Check Valves

Size		Part Numbers
mm	inch	
12	½	VC-4B-015
20	¾	VC-4B-020
25	1	VC-4B-025
32	1¼	VC-4B-032
40	1½	VC-4B-040
50	2	VC-4B-050
80	3	VC-4B-080
100	4	VC-4B-100

Product Group: VB11



Standard Bronze Swing Check Valves

Size		Part Numbers
mm	inch	
50	2	VC-4B-50MM
100	4	VC-4B-100MM

Product Group: VB11



Brass Swing Check Valves

Application
- Used for control of water, oil, and gas in hose or pipelines, irrigation, light industrial and rural applications.

Material
- Body: brass

End Connection
- Screwed female BSP, DIN259 and BS2779



Size		Part Numbers	Working Pressure	
mm	inch		PSI	Bar
12	½	BSCV012	170	11.72
20	¾	BSCV020	170	11.72
25	1	BSCV025	170	11.72
32	1¼	BSCV032	140	11.72
40	1½	BSCV040	140	9.65
50	2	BSCV050	140	9.65
65	2½	BSCV065	110	7.58
80	3	BSCV075	110	7.58
100	4	BSCV100	110	7.58

Product Group: VB02

Stainless Steel Swing Check Valves

Application
- Used for general hydraulic, mechanical services and fire protection.

Material
- Body: 316 stainless steel

End Connection
- Screwed female BSP

Temperature
- Maximum 99°C

Working Pressure
- 200 PSI



Size		Part Numbers
mm	inch	
12	½	SSC-015
20	¾	SSC-020
25	1	SSC-025
32	1¼	SSC-032
40	1½	SSC-040
50	2	SSC-050

Product Group: VS02

Stainless Steel Swing Flanged Check Valves

Application
- Used for water, oil, gas, and corrosive fluids. ASME B1634

Material
- Body: stainless steel (ASTM A351 CF8/CF8M)

End Connection
- Flanged to ANSI 150LB is standard, Table E available on request

Working Pressure
- 285 PSI



Size		Part Numbers
mm	inch	
65	2½	VSC-150-065
80	3	VSC-150-080
100	4	VSC-150-100
150	6	VSC-150-150
200	8	VSC-150-200
250	10	VSC-150-250

Product Group: VS02

Cast Steel (WCB) Swing Check Valves Flanges ANSI 150

Application
- Used for petroleum, oil, gas, low-pressure saturated steam, mining and industrial applications.

Design
- ASME B16 34 and BS 1868

Material
- DN15 to DN40: forged steel A105N
- DN50 to DN250: ASTM A216 WCB
- Disc: ASTM A276 420

End Connection
- Flanged ANSI 150, face to face ASME B16.10, ASME B16.5

Temperature
- Maximum -29°C to 425°C

Working Pressure
- 285 PSI CWP

Available Options
- Sizes DN15-DN40 available on request
- ANSI 300LB valves also available on request

Size		Part Numbers
mm	inch	
50	2	VSC-CS-150-050
65	2½	VSC-CS-150-065
80	3	VSC-CS-150-080
100	4	VSC-CS-150-100
150	6	VSC-CS-150-150
200	8	VSC-CS-150-200
250	10	VSC-CS-150-250

Product Group: VF08



Grooved Swing Check Valves

Application
- Used for general hydraulic, mechanical services and fire protection.

Features
- Swing check valve resilient seat

Material
- Body: ductile iron - FBE coated

End Connection
- Grooved to AWWA C606 or metric

Temperature
- 0°C - 80°C

Working Pressure
- 350 PSI

Approvals
- UL/FM approved

Size		Part Numbers	Face-to-Face (mm)
mm	inch		
50	2	VGSCV-60	169
65	2½	VGSCV-76	184
80	3	VGSCV-88	214
100	4	VGSCV-114	215
150	6	VGSCV-165	271
200	8	VGSCV-219	325

Product Group: VC07



Ductile Iron Flanged Ball Check Valves

Application
- Used for water, wastewater, sewage, slurry and semi-solids within various industries including, industrial, hydraulic, civil, mining and waste services.

Features
- Flanged to AS4087 PN16/AS2129 Table E

End Connection
- Flanged Table D/E, 232 PSI rated

Material
- Body: ductile iron - FBE coated

Temperature
- 0°C - 80°C



Size		Part Numbers	Face-to-Face (mm)
mm	inch		
50	2	BCK-050D	200
65	2½	BCK-065D	240
80	3	BCK-080D	260
100	4	BCK-100D	300
100	4	BCK-100E	300
150	6	BCK-150D	400
200	8	BCK-200D	500
250	10	BCK-250D	600
300	12	BCK-300D	700

Product Group: VC08

Class 800 Forged Steel Check Valves

Application
- Used for petroleum, oil, gas, low-pressure saturated steam, mining and industrial applications.

Features
- Class 800 forged steel BSS5351, API 598, ASME B1.20.1

Temperature
- -20°C to 380°C

Material
- Body: forged steel - ASTM A 105N
- Seat: A276 420
- Disc: ASTM A276 420

Working Pressure
- 1975 PSI (136 bar)

Available Options
- Socket weld in forged steel
- 316 stainless steel available in screwed NPT

End Connection
- Screwed female BSP and NPT



Size		Part Numbers	
mm	inch	BSP	NPT
12	½	FSSCVB-015	FSSCVN-015
20	¾	FSSCVB-020	FSSCVN-020
25	1	FSSCVB-025	FSSCVN-025
32	1¼	FSSCVB-032	FSSCVN-032
40	1½	FSSCVB-040	FSSCVN-040
50	2	FSSCVB-050	FSSCVN-050

Product Group: VF08

Brass In-line Check Valves

Application

- Suitable for industrial, pneumatic and hydraulic installations. Ideal for use with hot or cold water, oils or compressed air. Can be installed in vertical, horizontal or oblique positions.

Brass In-line Check Valves

Features

- Full bore

Material

- Body: brass CW 617N
- Spring: stainless steel AISI 302
- Seal: nitrile butadiene rubber

End Connection

- Screwed female BSP conforming to ISO228 (equivalent to DIN259 and BS2779)

Temperature

- Air: -20°C to 110°C
- Water: 0°C to 90°C
- Gas: -20°C to 60°C

Check Valve York™ Filter SS304

Application

- To suit York™ check valve.

Features

- 10mm to 50mm = 1200 micron
- 65mm to100mm = 2000 micron

Material

- Body: strainer in 304 stainless steel

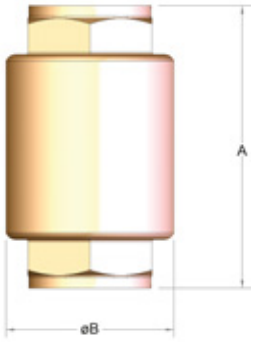
End Connection

- Nylon thread, ISO228, DIN259 and BS2779

Europa Brass Stem

Size		Part Numbers	Working Pressure		Dimensions (mm)	
mm	inch		PSI	Bar	A	B
12	½	BECV012	360	25	58.5	34.5
20	¾	BECV020	360	25	65	41.5
25	1	BECV025	360	25	74.5	48
32	1¼	BECV032	260	18	83	60.5
40	1½	BECV040	260	18	93	71
50	2	BECV050	260	18	101	87
65	2½	BECV065	170	12	122	120
80	3	BECV075	170	12	141.5	140.5
100	4	BECV100	170	12	158.8	172.5

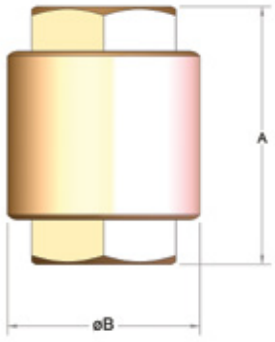
Product Group: VB02



York™ Plastic Stem

Size		Part Numbers		Working Pressure		Dimensions (mm)	
mm	inch	Check Valve	Filter SS304	PSI	Bar	A	B
10	⅜	BYCV010	BYCF010	170	12	46.5	34.5
12	½	BYCV012	BYCF012	170	12	47	34.5
20	¾	BYCV020	BYCF020	170	12	53	42
25	1	BYCV025	BYCF025	170	12	60.5	47.5
32	1¼	BYCV032	BYCF032	140	10	66.5	59.5
40	1½	BYCV040	BYCF040	140	10	74	71
50	2	BYCV050	BYCF050	140	10	80	86.5
65	2½	BYCV065	BYCF065	110	8	98	102
80	3	BYCV075	BYCF075	110	8	103	125
100	4	BYCV100	BYCF100	110	8	118.5	155

Product Group: VB02





Filter SS304

3-Piece In-line Check Valves Stainless Steel

Application
- Used for water, oil, gas, and chemicals.

Features
- Spring loaded in-line check

Material
- Body: 316 stainless steel
- Seat: PTFE
- Disc and spring: 316 stainless steel

End Connection
- Screwed female BSP

Working Pressure
- 1000 PSI CWP (69 bar)

Available Options
- Sizes from 12mm (½") to 100mm (4")
- Female NPT ends up to 50mm (2")



Size		Part Numbers
mm	inch	
12	½	SS3P015-SCV
20	¾	SS3P020-SCV
25	1	SS3P025-SCV
32	1¼	SS3P032-SCV
40	1½	SS3P040-SCV
50	2	SS3P050-SCV

Product Group: VS02

Foot Valves

Application
- General industrial, irrigation and rural services.

Features
- Full bore

Material
- Body: brass
- Spring: stainless steel AISI 302
- Seal: nitrile butadiene rubber
- Strainer Cartridge: SS304

End Connection
- Screwed female BSP conforming to ISO228, DIN259 and BS2779

Temperature
- 0°C to 90°C

Working Pressure
- 90 PSI - 140 PSI



Size		Part Numbers	Working Pressure	
mm	inch		PSI	Bar
20	¾	BFV020	140	10
25	1	BFV025	140	10
32	1¼	BFV032	110	8
40	1½	BFV040	110	8
50	2	BFV050	110	8
65	2½	BFV065	90	6
80	3	BFV080	90	6
100	4	BFV100	90	6

Product Group: VB02

Hydraulic Control Valves

Application
- Hydraulic control valves are used for automatic control in fire hydrant pipeline distribution systems, mining and water works.

Configurations
- Pressure reducing, pressure sustaining, relief, tank fill, flow control, excessive flow, on/off, booster pump control

Material
- Body: cast iron

End Connection
- AS2129 Flanged Table D/E

Working Pressure
- 232 PSI (16 bar)



Pressure Reducing



Pressure Sustaining/Relief



Tank Float

Size	Part Numbers (mm)		
mm	Pressure Reducing	Pressure Sustaining/Relief	Tank Float Modulation
100	FFS-PRV420-114E	FFS-PRV430-114E	FFS-PRV450-114E
150	FFS-PRV420-165E	FFS-PRV430-165E	FFS-PRV450-165E
200	FFS-PRV420-200E	FFS-PRV430-200E	FFS-PRV450-200E

Product Group: VO03

In-line Adjustable Pressure Reducing Valve - Fig NR3

Application
- For potable water lines to reduce high inlet pressure to lower outlet pressure. Factory set to 50 PSI.

Material
- Body: bronze

End Connection
- Screwed male BSP

Working Pressure
- 400 PSI CWP (27 bar)

Approvals
- Watermark



Size		Part Numbers
mm	inch	
12	½	BR4-015
20	¾	BR4-020
25	1	BR4-025
32	1¼	BR4-032
40	1½	BR4-040
50	2	BR4-050

Product Group: VB10

Direct Acting Pressure Reducing Valve

Application

- Used for neutral fluids, water, oil weak acids and alkalines, steam, gasses, and air.

Features

- Pressure balanced gate, doesn't affect outlet pressure when inlet pressure is unstable
- Reliable with only one moving part
- Minimum maintenance required

Material

- Body: stainless steel 316 CF8M
- Seat and Trim: stainless steel piston and spring, diaphragm
- Gasket and O-ring: FKM

Pressure Ratings

- Inlet: 290 PSI (20 bar)
- Outlet: standard spring 1-6 bar (options 4-10 bar and 3-13 bar)

Temperature

- -15°C - 100°C for water and neutral fluids
- 100°C - 130°C for steam



Size		Part Numbers
mm	inch	
12	½	PRVSS-A-015
20	¾	PRVSS-A-020
25	1	PRVSS-A-025
32	1¼	PRVSS-A-032
40	1½	PRVSS-A-040
50	2	PRVSS-A-050

Product Group: VS02

Ratio Pressure Reducing Valves

Application

- Reducing static and dynamic fluid pressure in fresh and flush water applications in mines and high-rise buildings.

Features

- One-piece direct acting ratio pressure-reducing valves
- Screwed female BSP and flanged BS4504 Table E
- High flow rates/accurate control of pressure, reduces surge and water hammer
- Reliable with only one moving part
- Minimum maintenance required

Working Pressure

- Screwed: 300 - 2000 kPa
- Flanged: 200 - 2000 kPa

Material

Gunmetal:

- Screw/Flange Joint: gunmetal BS1400-LG2
- Valve Body: gunmetal BS1400-LG2
- Seal ring: NBR/EPDM

SS316:

- Screw/Flange Joint: 316 stainless steel
- Valve Body: 316 stainless steel
- Seal ring: high synthetic rubber









Size		Ratio	Part Numbers			
			BSP Female		Flanged Table E/PN16	
mm	inch		Gunmetal	SS316	Gunmetal	SS316
25	1	2:1	-	YH23	-	-
25	1	3:1	YH33	-	-	-
50	2	2:1	-	YH26	-	-
50	2	3:1	YH36	-	-	-
80	3	2:1	-	-	YH802	-
100	4	2:1	-	-	-	YH1002
100	4	3:1	-		YH1003	-

Product Group: VO05

Flanged Pressure Reducing Valve

Application

- Ideally suited for drop-tight installations of water, air, gas, and oil services. The Type D Fig. 212 and 213 pressure-reducing valve is direct-acting, piston-balanced, single-seated, diaphragm controlled, and spring-regulated.

Material

- Body: cast iron T260 FBE coated
- Valve spindle: bronze AS 1565/836B
- Seals: Nitrile Buna rubber
- Diaphragm: neoprene reinforced
- Seat and liner: 316 stainless steel
- Regulating spring: spring steel

End Connection

- Flanged Table E

Working Pressure

- 232 PSI (16 bar)



Fig 212

Size		Part Number
mm	inch	
100	4	FFS-PRV7838-50

Product Group: VO05

Material

- Body: SG iron
- Spring cage: 316 stainless steel
- Seals: Nitrile Buna rubber
- Regulating spring: spring steel
- Trim: 316 stainless steel

End Connection

- Flanged Table E

Working Pressure

- 246 PSI (17 bar)



Fig 213

Size		Part Number
mm	inch	
100	4	FFS-PRV213-100E

Product Group: VO05

Water Meter with Pulse Register

Application

- Used for water measurement, potable and industrial applications.

Features

- Cornforms to OIML, R49, Class 2
- Helical vane operation with standard pulse device

Material

- Body: cast iron FBE coated

End Connection

- Flanged Table D

Working Pressure

- 232 PSI (16 bar)

Size		Part Numbers
mm	inch	
50	2	WPH-50-1
65	2½	WPH-65-1
80	3	WPH-80-1
100	4	WPH-100-1
150	6	WPH-150-1

Product Group: VO03



Multi Jet Water Meter

Application
- Used for water measurement.

Features
- Multi-jet meter with pulse output
- All meters supplied with 10 litre pulse

Material
- Body: brass, with nuts and tails

End Connection
- Female unions

Working Pressure
- 145 PSI (10 bar)



Size		Part Numbers	Capsule Pulse
mm	inch		
20	¾	MT-KD-20-P2	1 Litre of 10 Litre
25	1	MT-KD-25-P2	1 Litre or 10 Litre
40	1½	MT-KD-40-P2	10 Litre
50	2	MT-KD-50-P2	10 Litre

Product Group: VO03

Reduced Pressure Zone Devices with Isolation - Valve & Strainer

Application
- Used for backflow prevention.

End Connection
- Screwed female BSP

Standards/Approvals
- Complies with AS/NZS 2485.1
- Watermark



Size		Part Numbers
mm	inch	
12	½	RPZ-015-W
20	¾	RPZ-020-W
25	1	RPZ-025-W
32	1¼	RPZ-032-W
40	1½	RPZ-040-W
50	2	RPZ-050-W

Product Group: VO03

Double Check Valve Device with Isolation Valve

Application
- Used for backflow prevention.

End Connection
- Screwed female BSP

Standards/Approvals
- Complies with AS/NZS 2485.1
- Watermark



Without Strainer



With Strainer

Size		Part Numbers	
mm	inch	Without Strainer	With Strainer
20	¾	DCV-020-WY	DCV-020-W
25	1	DCV-025-WY	DCV-025-W
32	1¼	DCV-032-WY	DCV-032-W
40	1½	DCV-040-WY	DCV-040-W
50	2	DCV-050-WY	DCV-050-W

Product Group: VO03

Reduced Pressure Zone - Device Only

Application
- Used for backflow prevention.

End Connection
- Flanged Table E
- Also available in roll grooved

Standards/Approvals
- Complies with AS/NZS 2485.1
- Watermark

Size		Part Numbers	Face-to-Face (mm)
mm	inch		
65	2½	RPZ-065-WDO	470
80	3	RPZ-080-WDO	470
100	4	RPZ-100-WDO	470
150	6	RPZ-150-WDO	578
200	8	RPZ-200-WDO	851

Product Group: VO03



Double Check Valves - Device Only

Application
- Used for backflow prevention.

End Connection
- Flanged Table E
- Also available in grooved

Standards/Approvals
- Complies with AS/NZS 2485.1
- Watermark

Flanged

Size		Part Numbers	Face-to-Face (mm)
mm	inch		
65	2½	DCV-065WDO	470
80	3	DCV-080WDO	470
100	4	DCV-100WDO	470
150	6	DCV-150WDO	578

Product Group: VO03



Grooved

Size		Part Numbers	Face-to-Face (mm)
mm	inch		
100	4	VBF-850-DC-100E	470
150	6	VBF-856-DC-150	578

Product Group: VO02



Double Detector Check Valves with 20mm Bypass - Device Only

Application
- Used for backflow prevention.

Approvals
- Watermark

End Connection
- Flanged Table E
- Also available in grooved

Size		Part Numbers	Face-to-Face (mm)
mm	inch		
100	4	DDCV-100X20	470
150	6	DDCV-150X20	578

Product Group: VO03



Single Testable Check Valve - Flanged & Grooved

Application
- Fire sprinkler systems and potable water to prevent back siphonage.

Material
- Body: ductile iron
- Stem: stainless steel
- EPDM elastomers and FBE coated

End Connection
- Flanged: ANSI B16.1 Class 125 and drilled to AS2129 Table D/E
- Grooved: AWWA C606

Approvals
- AS 4020, AS standards mark certified
- Watermark

Temperature
- 0°C to 90°C

Working Pressure
- 175 PSI (12 bar)



Flanged



Grooved

Size		Part Numbers		Face-to-Face (mm)
mm	inch	Flanged	Grooved	
100	4	SCV-100	SCV-100G	470
150	6	SCV-150	SCV-150G	578

Product Group: VO03

Single Detector Check Valve with 25mm Spacer Bypass

Application
- Used for backflow prevention.



End Connection
- Grooved
- Also available in flanged Table E

Size		Part Numbers	Face-to-Face (mm)
mm	inch	Flanged	
100	4	SCV-100X25CW	470
150	6	SCV-150X25CW	578

Product Group: VO03

Single Fireline Detector Check Valve with 25mm Metered Bypass

Application
- Used for backflow prevention.



End Connection
- Flanged Table E
- Also available in grooved

Size		Part Numbers	Face-to-Face (mm)
mm	inch		
100	4	SCV-100X25YV	470
150	6	SCV-150X25YV	578

Product Group: VO03

3-Way Globe Valves - Fig BH-8

Application
- Used for water, oil, and neutral liquids.

Material
- Body: bronze
- Seats and trim: bronze

End Connection
- Female BSP

Working Pressure
- 200 PSI (14.8 bar)

Approvals
- UL/FM



Size		Part Number
mm	inch	
8	5/16	VGB3-8

Product Group: VB09

Heavy-Duty Steam Globe Valves

Application
- Used for steam, water, and oil.

Material
- Body: bronze
- Seats and trim: 316 stainless steel
- Disc: stainless steel

End Connection
- Female BSP

Temperature
- -10°C to 180°C

Working Pressure
- 363 PSI (25 bar)



Size		Part Numbers
mm	inch	
12	½	VGL-501-015
20	¾	VGL-501-020
25	1	VGL-501-025
32	1¼	VGL-501-032
40	1½	VGL-501-040
50	2	VGL-501-050

Product Group: VB09

Globe Valves - Stainless Steel BSP

Application
- Used for steam, water, and oil.

Material
- Body: 316 stainless steel
- Seats and trim: integral seat

End Connection
- Female BSP

Temperature
- -20°C to 232°C for water, oil, gas, and corrosive fluids

Working Pressure
- 200 PSI (14 bar)



Size		Part Numbers
mm	inch	
12	½	SGLV-015
20	¾	SGLV-020
25	1	SGLV-025
32	1¼	SGLV-032
40	1½	SGLV-040
50	2	SGLV-050

Product Group: VS02

OS&Y Globe Valves - Flanged ANSI 150

Application
- Globe valves are used for regulating/throttling applications in the oil and gas, petrochemical, mining, steam and fire hydrant and distribution systems.

Material
- Body: ASTM A351 CF8M (316SS)
- Body: A216 WCB (cast carbon steel)

End Connection
- Flanged: ANSI B16.34 and BS1873

Working Pressure
- 285 PSI (20 bar) for water, oil, gas, and corrosive fluids

Options
- ANSI 300 LB also available
- Drilled Table E ½" - 6"



Stainless Steel



Cast Steel

Size		Part Numbers	
mm	inch	Cast Steel	Stainless Steel
50	2	VGL-CS-150-050	VGL-150-050
65	2 ½	VGL-CS-150-065	VGL-150-065
80	3	VGL-CS-150-080	VGL-150-080
100	4	VGL-CS-150-100	VGL-150-100
150	6	VGL-CS-150-150	VGL-150-150
200	8	VGL-CS-150-200	VGL-150-200
		Product Group: VF08	Product Group: VS02

Globe Valves - Class 800 Forged Steel

Application
- Used for petroleum, oil, gas, mining, and low-pressure steam. General services up to 425°C.

Features
- Outside, stem and yoke
- Bolted bonnet
- Plug disc

Material
- Body: forged steel - ASTM A105N
- Seat: ASTM A105N + 13Cr
- Stem: ASTM A182 F6a

End Connection
- Female BSP or NPT

Temperature
- -20°C to 380°C

Working Pressure
- 1975 PSI (136 bar)

Options
- Socket weld in forged steel
- 316 stainless steel available in NPT



Size		Part Numbers	
mm	inch	BSP	NPT
12	½	FSGLB-015	FSGLN-015
20	¾	FSGLB-020	FSGLN-020
25	1	FSGLB-025	FSGLN-025
32	1¼	FSGLB-032	FSGLN-032
40	1½	FSGLB-040	FSGLN-040
50	2	FSGLB-050	FSGLN-050
			Product Group: VF08

High Pressure Needle Valves - Stainless Steel

Application
- Needle valves are used for fine control in high-pressure instrumentation panels in the oil and gas, petrochemical, refining and related industries.

Material
- Body and seat: 316 stainless steel

End Connection
- Female BSP or NPT

Maximum Temperature
- 180°C

Working Pressure
- 6000 PSI (413 bar) for water, oil, gas, steam, and corrosive fluids

Size		Part Numbers	
mm	inch	BSP	NPT
6	¼	VNE-008	VNE-008N
10	⅜	VNE-010	VNE-010N
12	½	VNE-015	VNE-015N
20	¾	VNE-020	VNE-020N
25	1	VNE-025	VNE-025N

Product Group: VS02



Ball Float Tank Fill Valves

Application
- Auto-fill valve for water tanks. Commonly used in fire services.

Features
- Figure SRI complete with stainless steel float

End Connection
- Male BSP

Size		Part Numbers
mm	inch	
50	2	FFS-BFTFV-50
80	3	FFS-BFTFV-80
100	4	FFS-BFTFV-100

Product Group: VB10



Relief Valves with Side Outlet - Fig SRV-L3P

Application
- Suitable for discharge of steam, water, oil, air, and liquids non-injurious to copper alloys.

Features
- Closed side outlet with right angle discharge

Material
- Body: bronze
- Seats and trim: PTFE seat and steel spring

Temperature
- -45°C to 165°C

End Connection
- Outlet: female BSP
- Inlet: male BSPT

Working Pressure
- Factory set to 145 PSI (10 bar), can be adjusted from 43.5 PSI to 145 PSI (3 bar to 10 bar)

Size		Part Numbers	Standard Setting (PSI)
mm	inch		
12	½	VR-268-15	145
20	¾	VR-268-20	145
25	1	VR-268-25	145
32	1¼	VR-268-32	145
40	1 ½	VR-268-40	145
50	2	VR-268-50	145

Product Group: VB10



Relief Valves Stainless Steel - Fig SRV-L8SP

Application
- Used for water, oil, gas, and steam.

Material
- Body and trim: 316 stainless steel
- Seat: PTFE soft seat

End Connection
- Outlet: female BSP
- Inlet: male BSPT

Working Pressure
- Factory set to 145 PSI (10 bar), field adjustable from 29 PSI to 145 PSI (2 bar to 10 bar)

Options
- 11-20 bar rated spring and custom pressure setting available on request



Size		Part Numbers
mm	inch	
12	½	SRV-015
20	¾	SRV-020
25	1	SRV-025
32	1¼	SRV-032
40	1½	SRV-040
50	2	SRV-050

Product Group: VS02

Brass Solenoid Valves - Fig B35

Application
- Used for air and fluid.

Material
- Body: brass, differential NC and NO

End Connection
- Female BSP



Size		Part Numbers		Coil Voltage
mm	inch	Normally Closed	Normally Open	
12	½	VSOL-15	-	24 Volt DC
12	½	VSOL-15-MD	-	24 Volt DC with manual override
12	½	VSOL-8615-NC	-	24 Volt AC
20	¾	VSOL-20	VSOL-8715-NO	24 Volt DC
25	1	VSOL-8616-NC	VSOL-8716-NC	24 Volt AC
40	1½	VSOL-8618-NC	VSOL-8618-NC	24 Volt AC

Product Group: VB10

Stainless Steel Solenoid Valves

Application
- Used for potable water, air, fluids compatible with stainless steel 316 and EPDM seat.

Material
- Body: 316 stainless steel
- Seats and trim: 316 stainless steel, EPDM

Working Pressure/Temperature
- 0.25 to 16 bar
- Max temperature: -10°C to 80°C

End Connection
- Female BSP



Size		Part Numbers (Normally Closed)	Voltage	Orifice	Cv
mm	inch				
12	½	WS35-4-14-8E	24VDC	14	5
20	¾	WS35-5-20-8E	24VDC	20	10
25	1	WS35-6-25-8E	24VDC	25	11
32	1¼	WS35-7-40-8E	24VDC	40	28
40	1½	WS35-8-40-8E	24VDC	40	34
50	2	WS35-9-50-8E	24VDC	50	50

Product Group: VS02

Y Strainers Ductile Iron - Fig YS

Application
- Used for water, oil, gas, and fire protection.

Material
- Body: ductile iron
- Mesh: 316 stainless steel

End Connection
- Flanged Table E

Temperature
- -20°C to 110°C

Working Pressure
- 232PSI CWP (16 bar)

Size		Part Numbers	Face-to-Face (mm)
mm	inch		
50	2	VYS-050-E	230
65	2 ½	VYS-065-E	290
80	3	VYS-080-E	310
100	4	VYS-100-E	350
125	5	VYS-125-E	400
150	6	VYS-150-E	480
200	8	VYS-200-E	600
250	10	VYS-250-E	730
300	12	VYS-300-E	762

Product Group: VC06



Y Strainers - Brass

Application
- Used for domestic water services, heating and air-conditioning plants, and compressed air systems.

Features
- Provides an economical, compact and hydraulically efficient means of protecting valuable piping system components

Material
- Body: cast brass body
- Mesh: 316 stainless steel

End Connection
- Female x female BSP - equivalent to DIN259 and BS2779

Temperature
- Air: -15°C to 110°C
- Water: 0°C to 90°C

Working Pressure
- Maximum 290 PSI (20 bar)

Size		Part Numbers	Working Pressure		Degree of Filtration
mm	inch		PSI	bar	µ
8	5/16	BYLF006	290	20	500
10	⅜	BYLF010	290	20	500
12	½	BYLF012	290	20	500
20	¾	BYLF020	290	20	500
25	1	BYLF025	290	20	500
32	1¼	BYLF032	290	20	500
40	1½	BYLF040	290	20	500
50	2	BYLF050	290	20	500

Product Group: VB10



Y Strainers - Stainless Steel

Application
- Used for water, oil, gas, and steam.

Material
- Body and element: 316 stainless steel

End Connection
- Female BSP

Temperature
- -20°C to 232°C for water, oil, gas, and corrosive fluids

Working Pressure
- 800 PSI CWP (55 bar)



Size		Part Numbers
mm	inch	
12	½	SYS-015
20	¾	SYS-020
25	1	SYS-025
32	1¼	SYS-032
40	1½	SYS-040
50	2	SYS-050

Product Group: VS02

Pressure Switch

Application
- Used for monitoring high and/or low-pressure variations.

Material
- Cover: die-cast with red powder coat
- Base: plated steel

Working Pressure
- 10 PSI - 177 PSI (7 - 12.25 bar) - 1 set of contacts
- Field adjustable

Approvals
- UL, CSFM, FM, LPC approved
- CE marked



Part Number	Type	Description
FFS-PS120-1A	PA120-1A	Pressure drop model of 111 PSI (7.7 Bar)

Product Group: VB07

Anti-Tamper Switches



OSYSU-1

Part Number	Type	Description
FFS-OSYSU-A1	OSYSU-1	To suit gate valves OS&Y DN50 - DN300, 1 set of contacts

Product Group: VB07



PTS-C

Part Number	Type	Description
FFS-PTS-C	PTS-C	Pull out plug style suitable for any type of hand wheel operated valve

Product Group: VB07

Vane Type Waterflow Alarm Switches for Small Pipe

Part Number	Type	Description
FFS-VSR-FS-25	VSR-SFDN25 to DN50	Suitable for small pipe DN25 - 50

Product Group: VB07



Vane Type Waterflow Alarm Switches

Part Numbers	Size to suit pipe NB
FFS-WF150	50
FFS-WFI65	65
FFS-WFI80	80
FFS-WFI100	100
FFS-WFI150	150
FFS-WFI200	200

Product Group: VB07



Amtron Anti-Tamper Supervisory Switch

Approvals

- ActivFire and AS2419.1 approved, with LED

Part Number	Description
502	To suit gate and butterfly valves

Product Group: VB07



Valve Wheel Spanner - Open/Close Valves

Application

- Used to open/shut gate valves, globe valves, and valves with hand wheels.

Features

- User friendly
- Safe non-slip design
- OHS tool
- Safe and efficient with positive wheel engagement

Material

- Body: heavy-duty toughened chromed steel



Part Numbers	Size	Valve Range (inch)
4G4192	Small	1 to 2
4G4193	Medium	2 to 6
4G4194	Large	8 to 20

Product Group: VS01

Chain Wheel Assembly

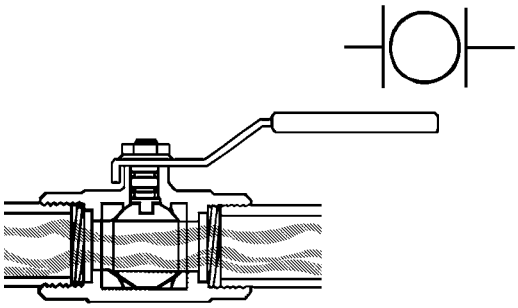
Part Number	Description
CHAIN-WHEEL	To suit butterfly, gate, globe and knife gate valves

Product Group: VS01



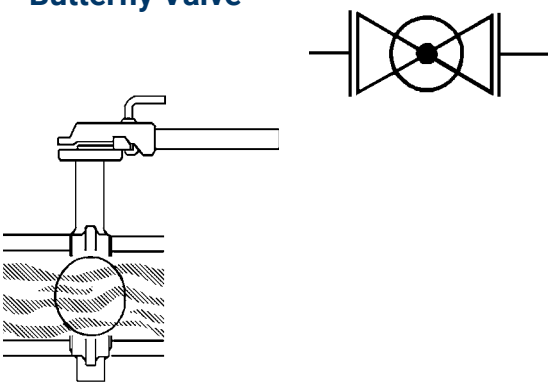
Valve Selection Guide

Ball Valve



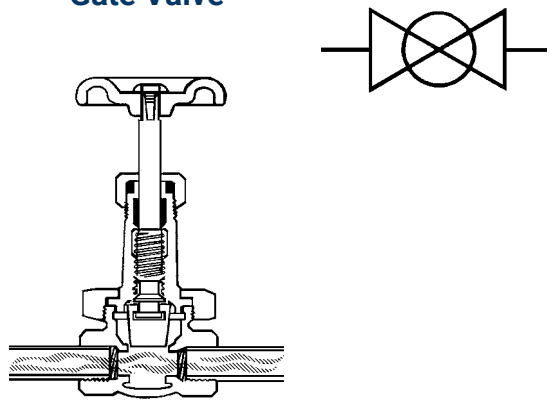
- Can be used for on and off service or throttling
- When positive shut-off is necessary
- Where a low valve profile is necessary
- Only 90° rotation from open to fully closed quick opening
- Handle position is a quick indication of whether valve is open or closed
- Full port ball valves do not resist flow

Butterfly Valve



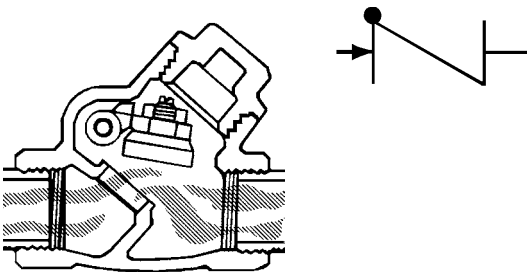
- Where positive shut-off is necessary
- Primarily for fully open or fully closed applications
- May be used for throttling
- Only 90° rotation from open to fully closed
- Lightweight
- Easy to install
- Less costly than an iron body Gate valve

Gate Valve



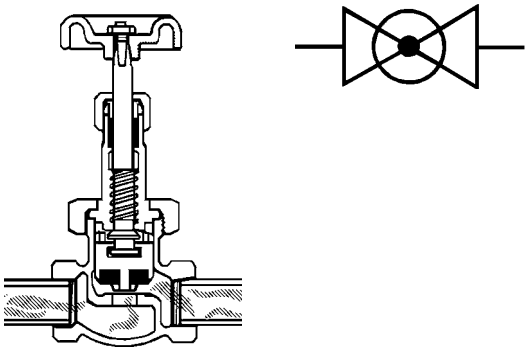
- For fully open or fully closed service NOT FOR THROTTLING
- For minimum line pressure drop
- For minimum fluid entrapment in the line
- For relatively infrequent operation

Check Valve



- To control the direction of flow and for quick, automatic reactions to flow change. Swing check valves are used when a minimum resistance to flow is required
- Swing check valves are recommended for use in conjunction with Gate valves. They should not be used in a rapid recycling system such as reciprocating pumps or air compressor service where they could cause chatter and damaging vibration

Globe Valve



- For regulation (throttling) of flow
- For frequent operation; short stem travel reduces operator's time
- Where some line resistance is acceptable

Marine Product Range 554

BISO Strainers - Bottom Inlet, Side Outlet 554
SISO Strainers - Side Inlet, Side Outlet 555
Inlet Scoop Strainers 556
Inlet Rose Strainers 556
Thru Hull Skin Fittings 557
Water Strainer Accessories - Baskets 558
Strainer Mounting Bracket 559
Adjustable Arms 559
Replacement Strainer 316 Wing Nuts 559
Replacement Solid Lid 559
Replacement Clear Lid Kit & Separate Parts 560
Strainer Gasket 560
Tef-Gel™ 561
Aluminium Air Pipe Heads 562

Additional Products Used in the Marine Market

The following products can be found in the below sections of the catalogue

Valves (Section R)

- Butterfly Valves
- Ball Valves
- Check Valves
- 3-Way Valves
- Knife Gate Valves
- Actuators (electric & pneumatic)

Hose (Section A)

- Washdown Hose
- Marine Flex Bilge Suction
- Air & Water
- Food Grade
- Divers/Air Breathers
- LPG
- Layflat
- Multi-Purpose Rubber
- Clear Vinyl Tubing

BSP Pipe Fittings (Section Q)

- Hose Tails & Reducing Hose Tails
- Elbows
- Bushes/Nipples
- Tees
- Sockets
- Flanges

Camlocks *Cam & Groove* (Section C)

Full Range in Stainless Steel/Aluminium & Poly

Dry Disconnect & Safety Breakaway Fittings (Section J)

Designed for Quick Spill-Free Connections & Minimising Damage to Equipment

Hose Clamps (Section I)

Worm Gear, Super Clamps, & Bolt Clamps

Fire Protection (Section P)

Nozzles, Extinguishers, Blankets, & Hose Reels

Rapp-It Pipe Repair (Section W)

Emergency Pipe Repair Bandage

BISO Strainers - Bottom Inlet, Side Outlet

2205 Stainless Steel

ARCTIC STEEL

Application

- Suitable for applications where superior corrosion-resistant stainless steel is required to filter liquids. Commonly used to strain seawater for cooling engines, generators, HVAC compressors and hydraulic systems in vessels, however, can be used for other liquids that require a high-grade stainless steel filter to protect pumps, nozzles, and injectors from large particles.

Features

- Offset outlet for improved performance
- BSP thread inlet and outlet
- Full height, high impact resistant ABS basket
- Secured by 5 wing nuts for safe, quick, and easy access
- No tools required
- Swing down eye bolts eliminates the need to remove nuts
- Cast anode connection point to combat galvanic corrosion

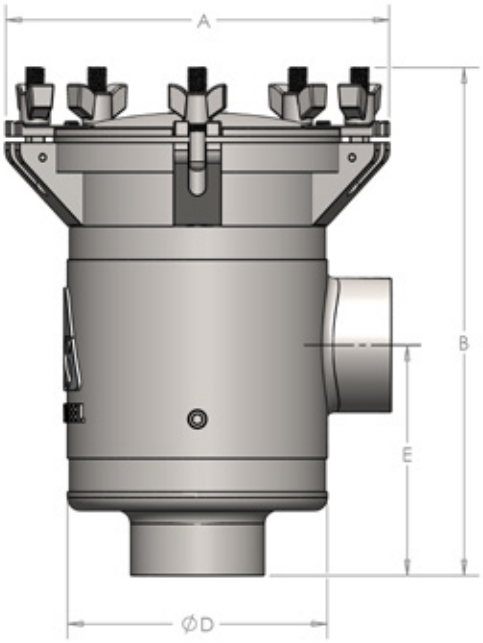
Body & Lid Material

- Electro-polished AISI 2205 cast stainless steel, designed for submerged applications

Options

- 316 stainless steel basket
- Clear polycarbonate or solid lid
- Welded flanges & bleed vents can be specified





BSP Thread Size (inch)	Part Numbers	Flow Rate (l/min)	Lid Width A (mm)	Height B (mm)	Body Diameter D (mm)	Outlet Height E (mm)	Thread Type	Lid Type	Weight (kg)
1	WS-BISO-100-C-A	425	150	235	95	113	Male Inlet x Female Outlet	Clear	2.90
	WS-BISO-100-S-A		150	235	95	113		Solid	3.10
1½	WS-BISO-150-C-A	903	150	235	95	113		Clear	3.05
	WS-BISO-150-S-A		150	235	95	113		Solid	3.15
2	WS-BISO-200-C-A	1,375	200	272	140	124		Clear	5.70
	WS-BISO-200-S-A		200	272	140	124		Solid	6.20
2½	WS-BISO-250-C-A	1,974	200	272	140	124	Female Inlet x Female Outlet	Clear	5.90
	WS-BISO-250-S-A		200	272	140	124		Solid	6.25
3	WS-BISO-300-C-A	3,103	235	332	164	150		Clear	11.55
	WS-BISO-300-S-A		235	332	164	150		Solid	12.30
4	WS-BISO-400-C-A	5,710	273	474	220	288		Clear	18.15
	WS-BISO-400-S-A		273	474	220	288		Solid	18.95
6	WS-BISO-600-S-A	13,538	360	510	310	296		Solid	32.00

Product Group: AS20

SISO Strainers - Side Inlet, Side Outlet

2205 Stainless Steel

ARCTIC STEEL

Application

- Suitable for applications where superior corrosion-resistant stainless steel is required to filter liquids. Commonly used to strain seawater for cooling engines, generators, HVAC compressors and hydraulic systems in vessels, however, can be used for other liquids that require a high-grade stainless steel filter to protect pumps, nozzles, and injectors from large particles.

Features

- Free-standing, base mounted
- BSP thread inlet and outlet
- Offset outlet for improved performance
- Lower outlet position allows for applications that require a header tank or mounting above the waterline
- Full height, high impact resistant ABS basket
- Secured by 5 wing nuts for safe, quick, and easy access
- No tools required
- Swing-down eye bolts eliminate the need to remove nuts
- Drain plug
- Cast anode connection point to combat galvanic corrosion

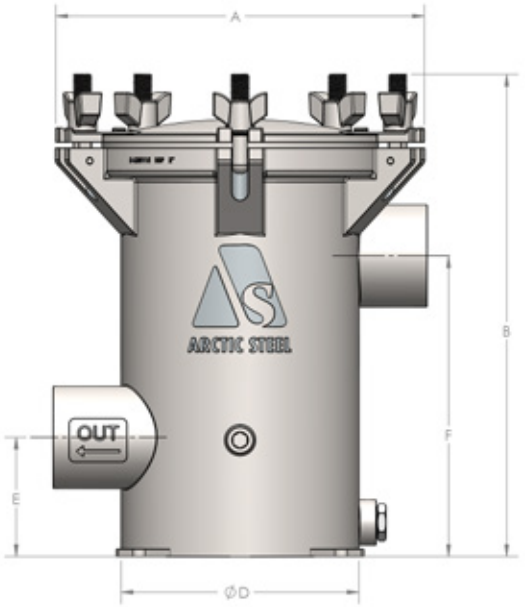
Body & Lid Material

- Electro-polished AISI 2205 cast stainless steel, designed for submerged applications

Options

- 316 stainless steel basket
- Clear polycarbonate or solid lid
- Welded flanges & bleed vents can be specified
- SISO strainer drain kit (includes mini ball valve, SS316 hose tail, clear vinyl tube)





BSP Thread Size (inch)	Part Numbers	Flow Rate (l/min)	Lid Width A (mm)	Height B (mm)	Body Diameter D (mm)	Outlet Height E (mm)	Inlet Height F (mm)	Thread Type	Lid Type	Weight (kg)
1	WS-SISO-100-C-A	332	150	235	95	51	134	Female Inlet x Female Outlet	Clear	3.60
	WS-SISO-100-S-A	332	150	235	95	51	134		Solid	3.75
1¼	WS-SISO-125-C-A	535	200	269	133	67	168		Clear	6.39
	WS-SISO-125-S-A	535	200	269	133	67	168		Solid	6.75
1½	WS-SISO-150-C-A	717	200	269	133	67	168		Clear	6.40
	WS-SISO-150-S-A	717	200	269	133	67	168		Solid	6.85
2	WS-SISO-200-C-A	1,349	200	269	133	67	168		Clear	6.45
	WS-SISO-200-S-A	1,349	200	269	133	67	168		Solid	6.90
2½	WS-SISO-250-C-A	1,882	235	365	164	100	240		Clear	13.35
	WS-SISO-250-S-A	1,882	235	365	164	100	240		Solid	13.95
3	WS-SISO-300-C-A	2,761	235	365	164	100	240		Clear	14.30
	WS-SISO-300-S-A	2,761	235	365	164	100	240		Solid	15.15
4	WS-SISO-400-C-A	5,366	273	478	221	115	338		Clear	22.95
	WS-SISO-400-S-A	5,366	273	478	221	115	338		Solid	23.75
5	WS-SISO-500-S-A	6,857	279	512	265	142	330		Solid	29.50
6	WS-SISO-600-S-A	9,639	279	512	265	142	330		Solid	31.00

Product Group: AS20

Inlet Scoop Strainers

2205 Stainless Steel

ARCTIC STEEL

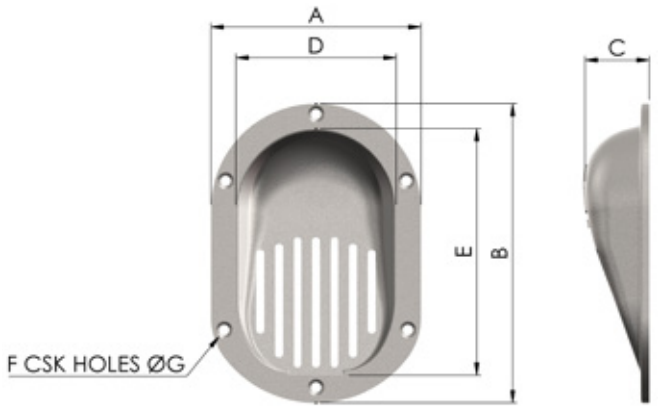
Application

- Designed to scoop water into Thru-Hull fittings when the boat is in motion, at the same time preventing large particles and debris from entering the marine systems aboard.

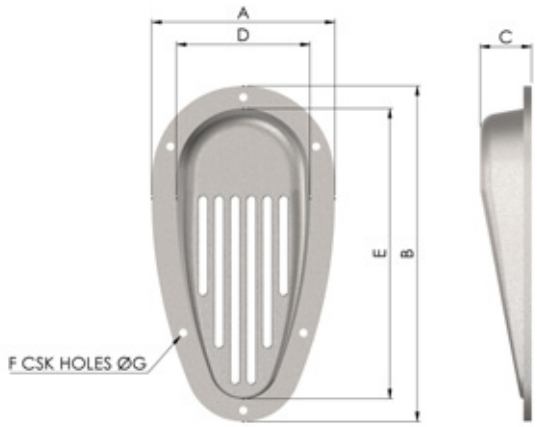
Material

- Electro-polished AISI 2205 cast stainless steel, designed for submerged applications





Style A



Style B

Part Numbers	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (#)	G (mm)	Style	Fits Thru Hulls	Weight (kg)
ISS140-100	100	140	28	70	115	6	5	A	½", ¾", 1"	0.40
ISS210-115	115	210	32	82	180	6	5	B	1¼", 1½"	0.65
ISS315-160	160	315	50	127	280	8	5	B	2", 2½", 3"	1.80
ISS410-206	206	410	60	170	370	10	5	B	4"	3.90
ISS510-280	280	510	70	230	470	12	6	B	6"	4.70

Product Group: AS22

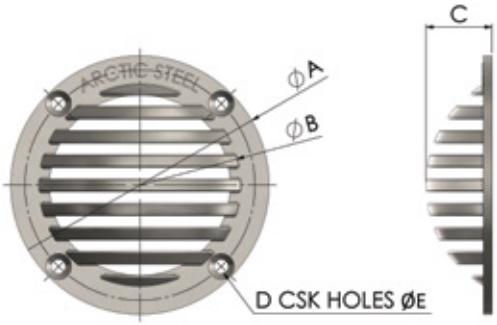
Inlet Rose Strainers



IRS-90



IRS-150



Part Numbers	Size (mm)	A (mm)	B (mm)	C (mm)	D (#)	E (mm)	Fits Thru Hulls	Weight (kg)
IRS-90	90	90	66	23	4	5	½", ¾", 1"	0.10
IRS-150	150	150	118	35	6	5	1¼", 1½", 2", 2½", 3"	0.65

Product Group: AS22

Thru Hull Skin Fittings

2205 Stainless Steel

ARCTIC STEEL

Application

- Specifically designed for underwater applications, the Arctic Steel Thru-Hull fittings are cast in duplex 2205 stainless steel. These are unique in the marine market, providing much higher resistance to corrosion than 316L, they are also significantly stronger than 316 and bronze, making them ideal for a critical hull penetration fitting.

Features

- BSP thread
- Mirror polished outside flange
- Suitable for high-temperature applications (up to 60°C)

Material

- Solid cast 2205 stainless steel - designed for submerged applications

Approvals

- 3.1 Certificate available on request

Options

- Standard sizes range from ½" to 4"
- Long reach fittings available in ¾", 1" & 1½"





Standard

BSP Thread Size (inch)	Part Numbers	A (mm)	B (mm)	C (mm)	D (mm)	Fits Inlet Scoops	Weight (kg)
½	TH/SF-050A	38	12	55	38	ISS140-100, IRS-90	0.20
¾	TH/SF-075A	45	18.5	65	45	ISS140-100, IRS-90	0.25
1	TH/SF-100A	51.5	24	86	51.5	ISS140-100, IRS-90	0.40
1¼	TH/SF-125A	63	32	85	63	ISS210-115, IRS-150	0.50
1½	TH/SF-150A	70	40	85	70	ISS210-115, IRS-150	0.55
2	TH/SF-200A	84	50.8	100	84	ISS315-160, IRS-150	0.80
2½	TH/SF-250A	105	63	100	105	ISS315-160, IRS-150	1.30
3	TH/SF-300A	116	75.5	124	116	ISS315-160, IRS-150	1.65
4	TH/SF-400A	145	94	150	145	ISS410-206	3.60

Product Group: AS23

Long Reach

BSP Thread Size (inch)	Part Numbers	A (mm)	B (mm)	C (mm)	D (mm)	Fits Inlet Scoops	Weight (kg)
¾	TH/SF-LR-075A	45	18.5	110	45	ISS140-100, IRS-90	0.35
1	TH/SF-LR-100A	51.5	24	110	51.5	ISS140-100, IRS-90	0.45
1½	TH/SF-LR-150A	70	40	114.5	70	ISS140-100, IRS-90	0.60

Product Group: AS23

Water Strainer Accessories - Baskets

ARCTIC STEEL

Application

- Arctic Steel strainers have ABS and Stainless Steel baskets that are designed to strain particles and contaminants that can cause damage to equipment. Our full-height baskets occupy the entire height of the strainer ensuring maximum filtration with a larger surface area. Baskets are designed to fit both SISO (Side Inlet, Side Outlet) and BISO (Bottom Inlet, Side Outlet) strainers.

Features

ABS Plastic

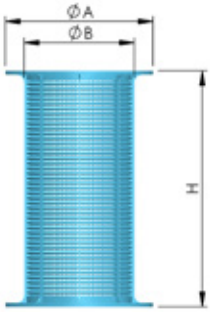
- Excellent impact resistance
- Hole opening size of 2mm x 3mm

316 Stainless Steel

- Hole opening size of 2mm perforated

Material

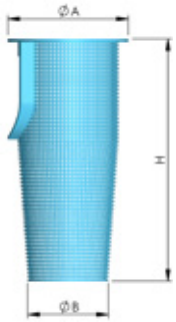
- ABS injection moulded plastic
- 316 stainless steel
- Custom screen options available



ABS Plastic Basket - BISO

Suits Strainer Size (inch)	Part Numbers	ØA (mm)	ØB (mm)	H (mm)	Weight (kg)
1, 1½	WS-BISO-150-005	86	52	143	0.05
2, 2½	WS-BISO-250-005	128	84	186	0.20
3	WS-BISO-300-005	150	100	239	0.25

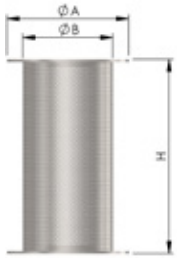
Product Group: AS24



ABS Plastic Basket - SISO

Suits Strainer Size (inch)	Part Numbers	ØA (mm)	ØB (mm)	H (mm)	Weight (kg)
1	WS-SISO-100-005	86	54	176	0.05
1¼, 1½, 2	WS-SISO-200-005	124	86	216	0.15
2½, 3	WS-SISO-300-005	151	100	307	0.40

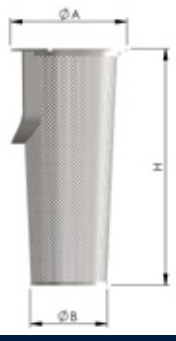
Product Group: AS24



316 Stainless Steel - BISO

Suits Strainer Size (inch)	Part Numbers	ØA (mm)	ØB (mm)	H (mm)	Weight (kg)
1, 1½	WS-BISO150-011-2	86	52	143	0.10
2, 2½	WS-BISO250-011-2	128	84	186	0.45
3	WS-BISO300-011-2	150	100	239	0.35
4	WS-BISO400-011-2	206	137	309	0.55
6	WS-BISO600-011-2	298	209	354	1.26

Product Group: AS24



316 Stainless Steel - SISO

Suits Strainer Size (inch)	Part Numbers	ØA (mm)	ØB (mm)	H (mm)	Weight (kg)
1¼, 1½, 2	WS-SISO200-011-2	125	85	215	0.35
3	WS-SISO300-011-2	151	100	308	0.85
4	WS-SISO400-011-2	210	136	419	1.30
5, 6	WS-SISO600-011-2	243	195	465	1.90

Product Group: AS24

Strainer Mounting Bracket

Application
- 316 stainless steel mounting brackets are designed to clamp around the body of Arctic Steel BISO strainers. There is a groove machined or cast into each body, which is the mounting location.

Material
- 316 stainless steel

Suits Strainer Size (inch)	Part Numbers	Style (mm)	Number of Brackets per Strainer	Weight (kg)
1, 1½	WS-BR-150	BISO	1	0.40
2, 2½	WS-BR-250	BISO	2	0.55
3	WS-BR-300	BISO	2	0.60
4	WS-BR-400	BISO	2	0.90

Product Group: AS24



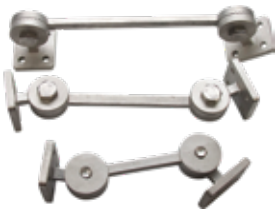
Adjustable Arms

Application
- Adjustable arms have a matching bolt pattern with the mounting brackets, these are used to extend the reach of the bracket, allowing them to be braced to a suitable location in the vessel.

Material
- 316 stainless steel

Length (mm)	Part Numbers	Weight (kg)
100	WS-ADJ-BR-ARM100	0.60
150	WS-ADJ-BR-ARM150	0.65
200	WS-ADJ-BR-ARM200	0.65

Product Group: AS24



Replacement Strainer 316 Wing Nuts

Thread Size (mm)	Part Number	Description	Weight (kg)
10	WS-WNSS-M10	Suits all strainers	0.20

Product Group: AS24



Replacement Solid Lid

Style	Suits Strainer Size (inch)	Part Numbers	Diameter (mm)	Weight (kg)
BISO	1, 1½	WS-150-002	114	0.45
SISO	1			
BISO	2, 2½	WS-250-002	170	1.10
SISO	1¼, 1½, 2			
BISO	3	WS-300-002	206	1.95
SISO	2½, 3			
BISO	4	WS-400-002	240	2.50
SISO				
SISO	5, 6	WS-500-002	280	3.95
BISO	6	WS-600-002	330	4.50

Product Group: AS24



Replacement Clear Lid Kit & Separate Parts



Clear Lid Kit - Includes Retaining Ring & Poly Disc

Style	Suits Strainer Size (inch)	Part Numbers	Diameter (mm)	Weight (kg)
BISO	1, 1½	WS-150-010	114	0.35
SISO	1			
BISO	2, 2½	WS-250-010	170	0.70
SISO	1¼, 1½, 2			
BISO	3	WS-300-010	206	1.00
SISO	2½, 3			
BISO	4	WS-400-010	240	1.87
SISO				

Product Group: AS24



Cast Retaining Ring Only

Style	Suits Strainer Size (inch)	Part Numbers	Diameter (mm)	Weight (kg)
BISO	1, 1½	WS-150-003	114	0.25
SISO	1			
BISO	2, 2½	WS-250-003	170	0.50
SISO	1¼, 1½, 2			
BISO	3	WS-300-003	206	0.70
SISO	2½, 3			
BISO	4	WS-400-003	240	1.45
SISO				

Product Group: AS24



Polycarbonate Disc Only

Style	Suits Strainer Size (inch)	Part Numbers	Diameter (mm)	Weight (kg)
BISO	1, 1½	WS-150-004	114	0.10
SISO	1			
BISO	2, 2½	WS-250-004	170	0.20
SISO	1¼, 1½, 2			
BISO	3	WS-300-004	206	0.30
SISO	2½, 3			
BISO	4	WS-400-004	240	0.42
SISO				

Product Group: AS24



Strainer Gasket

Style	Suits Strainer Size (inch)	Part Numbers	Weight (kg)
BISO	1, 1½	WS-150-006	0.02
SISO	1		
BISO	2, 2½	WS-250-006	0.05
SISO	1¼, 1½, 2		
BISO	3	WS-300-006	0.05
SISO	2½, 3		
BISO	4	WS-400-006	0.10
SISO			
SISO	5, 6	WS-500-006	0.12
BISO	6	WS-600-006	0.13

Product Group: AS24



Tef-Gel™

Application
- Tef-Gel™ is a white, extremely high-viscosity gel. It is applied to but not limited to fastenings, fittings, and electrical connectors in high corrosive environments to ensure protection, serviceability & presentation of assembled hardware. Providing industrial strength protection.

Features
- Non-toxic and non-harmful to marine, humans, and land-based ecosystems
- Non-reactive and chemically stable
- Has an indefinite shelf life and working life
- Contains PTFE (Teflon) and 0% volatile solvents, no silicones, or petroleum solvents to evaporate
- Will not cold flow or dry out, giving long-term protection of hardware for future disassembly
- Industrial grade, non-hazardous, assembly lubricant

How it works
- Prevents corrosion between dissimilar metals
- Galling of all grades of stainless steel
- Acts as an assembly lubricant (anti-seize for ease of maintenance)
- Protect electrical connectors from corrosion

Working Temperature
- -60˚ to 280˚C

Approvals
- AS/NZS 4020:2005 potable water certificate

Tube Size (grams)	Part Numbers
10	TEFGEL-10
30	TEFGEL-30
60	TEFGEL-60
120	TEFGEL-120
300 (cartridge)	TEFGEL-320



Product Group: AS25

Aluminium Air Pipe Heads

The vertically oriented, slim-lined design reduces weight and eliminates the need for a return bend (gooseneck), saving valuable deck space. Corrosion-resistant SS316 flame screens are also included to provide ignition protection when venting fuel oil tanks. Flanges are blank/undrilled. These can be drilled to specification on request. (Table E, DIN PN16, ANSI, JIS).

Application

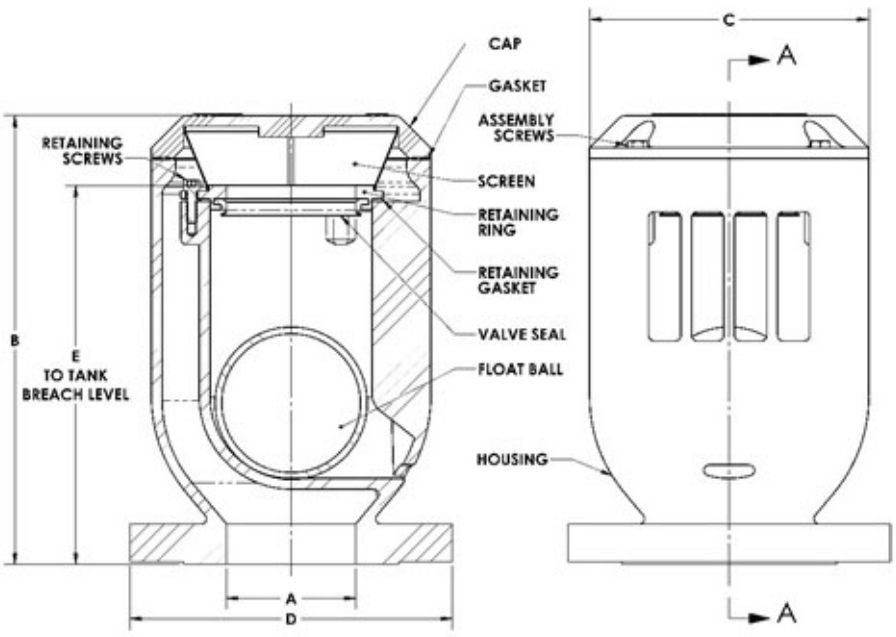
- Designed to prevent seawater from entering tanks, whilst allowing air or vapour to flow when tank is being filled or discharged. Tank vents are also needed when in storage mode to allow them to "breathe".

Features

- Blank undrilled flange
- ABS type approved
- Intake slots are positioned to keep float out of the flow stream
- Nitrile Buna rubber seal designed to maximise low-pressure sealing
- Flame/insect screen easily accessible for cleaning or replacement
- Valve seal retaining ring designed for easy replacement of valve seal
- Valve cap top mounting for easy access

Material

- Body: aluminium
- Mesh: 316 stainless steel fire screen
- Seal: Nitrile Buna rubber
- Valve Float: HDPE







Size A (inch)	Part Numbers	B (mm)	C (mm)	D (mm)	E (mm)	Weight (kg)
2	200-APH-A-F-R	220	140	152	171	3.20
2½	250-APH-A-F-R	235	152	178	194	4.10
3	300-APH-A-F-R	267	165	191	222	5.00
4	400-APH-A-F-R	314	203	229	267	7.30
5	500-APH-A-F-R	375	254	254	311	11.30
6	600-APH-A-F-R	413	295	279	337	15.00

Product Group: AS26

Plasson® Fittings 564

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PLASSON

Metric Fittings

Applications

- Plasson® compression fittings are designed for connecting all forms of polyethylene pipe. Common applications include underground and surface mining, plumbing, irrigation, civil construction, gas installation, industrial fluid transfer, and wastewater systems.

Materials

- Body: polypropylene, high-grade copolymer
- Nut: polypropylene, high-grade copolymer
- Split ring: polyacetal
- Seal: NBR



Pressure Rating

- PN16

Product Components

- Two split rings, two seals, two nuts

Standards

- ISO 17885, AS/NS 4129, ISO 7/1, BS 21, DIN 2999, UNI 9561, NEN 3258, AS 1722, DIN 8076

Chemical Resistance

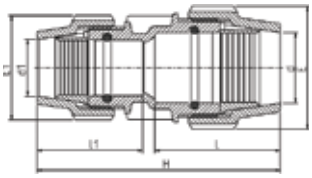
- Polyacetal split rings and NBR seals, suitable for water, are supplied as standard. CPVC split rings and EPDM or FPM seals are available. For aggressive chemical applications, the end user is advised to test the suitability

Operating Temperature

- The maximum temperature of use for fittings and valves is the same as that for polyethylene pipe and is not intended for use in hot water applications. They will withstand sub-zero temperatures

7110 - Metric Reducing Couplings



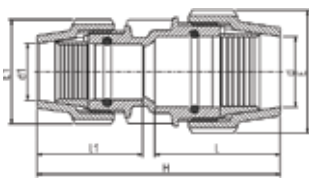


Size		Part Numbers	H (mm)	E (mm)	E1 (mm)	I (mm)	I1 (mm)	Weight (kg)
d (mm)	d1 (mm)							
25	16	PCF-COUP-25-16	113	54	39	58	50	0.09
25	20	PCF-COUP-25-20	119	54	48	58	57	0.10
32	20	PCF-COUP-32-20	140	64	48	67	57	0.14
32	25	PCF-COUP-32-25	133	64	54	67	58	0.14
40	25	PCF-COUP-40-25	156	82	54	84	58	0.22
40	32	PCF-COUP-40-32	156	82	64	84	67	0.25
50	25	PCF-COUP-50-25	176	96	54	93	58	0.30
50	32	PCF-COUP-50-32	175	96	64	98	62	0.33
50	40	PCF-COUP-50-40	184	96	82	93	84	0.38
75	50	PCF-COUP-75-50	245W	134	96	132	98	0.85
75	63	PCF-COUP-75-63	252	134	113	132	112	0.96
90	75	PCF-COUP-90-75	330	154	134	170	134	1.61
110	90	PCF-COUP-110-90	378	181	154	194	162	2.64

Product Group: MS01

7115 - Metric Mine Reducing Couplings





Size		Part Numbers	H (mm)	E (mm)	E1 (mm)	I (mm)	I1 (mm)	Weight (kg)
d (mm)	d1 (mm)							
63	25	PCF-COUP-63-25	193	113	54	110	58	0.46
63	32	PCF-COUP-63-32	197	113	64	110	62	0.49
63	40	PCF-COUP-63-40	208	113	82	110	82	0.55
63	50	PCF-COUP-63-50	214	113	96	110	93	0.57
90	63	PCF-COUP-90-63	292	154	113	170	115	1.42
110	63	PCF-COUP-110-63	393	181	181	194	194	3.66

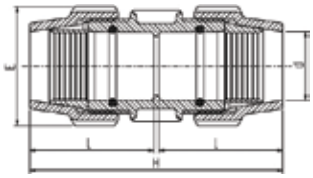
Product Group: MS01

7010 - Metric Couplings

Size d (mm)	Part Numbers	H (mm)	E (mm)	I (mm)	Weight (kg)
20	PCF-COUP-20	122	48	59	0.09
25	PCF-COUP-25	126	54	61	0.11
32	PCF-COUP-32	145	64	71	0.19
40	PCF-COUP-40	177	82	87	0.31
50	PCF-COUP-50	201	96	98	0.46
75	PCF-COUP-75	278	134	138	1.18
90	PCF-COUP-90	335	154	165	1.90
110	PCF-COUP-110	393	181	194	3.13

Product Group: MS01





7015 - Metric Mine Couplings

Size d (mm)	Part Number	H (mm)	E (mm)	I (mm)	Weight (kg)
63	PCF-COUP-63	230	113	113	.74

Product Group: MS01

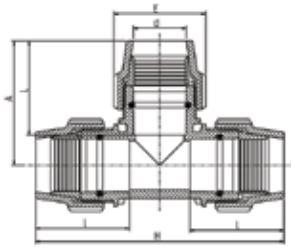


7040 - Metric Equal Tee

Size d (mm)	Part Numbers	A (mm)	H (mm)	E (mm)	I (mm)	Weight (kg)
16	PCF-TEE-16	63	126	39	50	0.08
20	PCF-TEE-20	73	145	48	56	0.14
25	PCF-TEE-25	78	156	54	58	0.17
32	PCF-TEE-32	93	185	64	67	0.29
40	PCF-TEE-40	111	221	82	86	0.50
50	PCF-TEE-50	126	252	96	95	0.74
75	PCF-TEE-75	177	353	132	132	1.89
90	PCF-TEE-90	220	439	154	165	3.16
110	PCF-TEE-110	292	583	181	194	5.58

Product Group: MS01





7045 - Metric Mine Tee

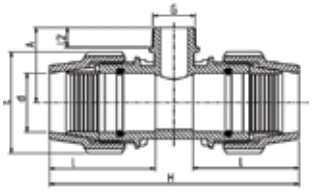
Size d (mm)	Part Number	A (mm)	H (mm)	E (mm)	I (mm)	Weight (kg)
63	PCF-TEE-63	146	294	113	110	1.22

Product Group: MS01



7840 - Metric Tee x Male BSP





Size		Part Numbers	A (mm)	H (mm)	E (mm)	I (mm)	I2 (mm)	Weight (kg)
d (mm)	G (inch)							
20	½	PCF-TEE-20-15M	46	138	48	56	17	0.11
20	¾	PCF-TEE-20-20M	46	144	48	56	18	0.11
25	½	PCF-TEE-25-15M	48	146	54	58	17	0.13
25	¾	PCF-TEE-25-20M	50	146	54	58	18	0.14
32	1	PCF-TEE-32-25M	58	170	64	67	20	0.22
40	1½	PCF-TEE-40-40M	71	205	82	84	22	0.38
50	1½	PCF-TEE-50-40M	77	230	96	93	22	0.52

Product Group: MS01

7845 - Metric Mine Tee x Male BSP

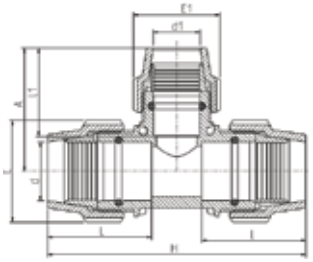


Size		Part Number	A (mm)	H (mm)	E (mm)	I (mm)	I2 (mm)	Weight (kg)
d (mm)	G (inch)							
63	2	PCF-TEE-63-50M	92	272	113	110	26	.88

Product Group: MS01

7340 - Metric Reducing Tee





Size		Part Numbers	A (mm)	H (mm)	E (mm)	E1 (mm)	I (mm)	I1 (mm)	Weight (kg)
d (mm)	d1 (mm)								
32	25	PCF-TEE-32-25	63	173	64	54	67	58	0.26
40	25	PCF-TEE-40-25	84	205	82	54	84	58	0.41
50	25	PCF-TEE-50-25	105	228	96	54	93	76	0.54
50	32	PCF-TEE-50-32	117	230	96	64	93	67	0.65
50	40	PCF-TEE-50-40	114	236	113	64	113	62	0.89
75	63	PCF-TEE-75-63	153	353	132	113	132	109	1.67
110	63	PCF-TEE-110-63	292	583	181	-	194	-	6.13

Product Group: MS01

7345 - Metric Mine Reducing Tee



Size		Part Numbers	A (mm)	H (mm)	E (mm)	E1 (mm)	I (mm)	I1 (mm)	Weight (kg)
d (mm)	d1 (mm)								
63	32	PCF-TEE-63-32	118	268	113	82	113	84	0.89
63	50	PCF-TEE-63-50	132	275	113	96	110	93	1.02

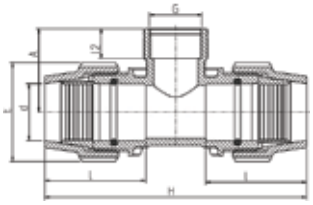
Product Group: MS01

7140 - Metric Tee x Female BSP

Size		Part Numbers	A (mm)	H (mm)	E (mm)	I (mm)	I2 (mm)	Weight (kg)
d (mm)	G (inch)							
16	½	PCF-TEE-16-15F	42	122	39	50	17	0.06
16	¾	PCF-TEE-16-20F	41	122	39	50	19	0.07
20	¾	PCF-TEE-20-20F	45	144	48	56	19	0.11
25	½	PCF-TEE-25-15F	45	151	54	58	18	0.13
25	¾	PCF-TEE-25-20F	48	151	54	58	19	0.14
25	1	PCF-TEE-25-25F	53	158	54	58	51	0.14
25	1¼	PCF-TEE-25-32F	64	158	54	58	25	0.19
32	¾	PCF-TEE-32-20F	51	177	64	67	19	0.21
32	1	PCF-TEE-32-25F	54	177	64	67	21	0.21
32	1¼	PCF-TEE-32-32F	65	182	64	67	25	0.25
40	1	PCF-TEE-40-25F	61	203	82	84	21	0.36
40	1¼	PCF-TEE-40-32F	70	217	82	84	24	0.40
40	1½	PCF-TEE-40-40F	70	217	82	84	25	0.41
50	1½	PCF-TEE-50-40F	76	244	96	93	25	0.57
50	2	PCF-TEE-50-50F	80	244	96	93	30	0.59
75	2	PCF-TEE-75-50F	110	359	134	132	30	1.46
90	3	PCF-TEE-90-75F	116	419	154	165	40	2.35

Product Group: MS01





7145 - Metric Mine Tee x Female BSP

Size		Part Number	A (mm)	H (mm)	E (mm)	I (mm)	I2 (mm)	Weight (kg)
d (mm)	G (inch)							
63	2	PCF-TEE-63-50F	95	272	113	110	30	.91

Product Group: MS01

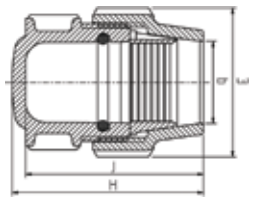


7120 - Metric End Plug

Size d (mm)	Part Numbers	A (mm)	E (mm)	I (mm)	Weight (kg)
25	PCF-PLUG-25	82	54	77	0.07
32	PCF-PLUG-32	92	64	87	0.11
40	PCF-PLUG-40	102	82	97	0.19
50	PCF-PLUG-50	121	96	114	0.27
75	PCF-PLUG-75	172	134	155	0.71
90	PCF-PLUG-80	212	154	170	1.14

Product Group: MS01





7125 - Metric Mine End Plug

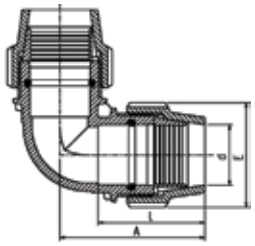
Size d (mm)	Part Number	A (mm)	E (mm)	I (mm)	Weight (kg)
63	PCF-PLUG-63	145	113	122	.45

Product Group: MS01



7050 - Metric Elbow





Size d (mm)	Part Numbers	A (mm)	E (mm)	I (mm)	Weight (kg)
16	PCF-ELB90-16	63	39	50	0.06
20	PCF-ELB90-20	73	48	56	0.10
25	PCF-ELB90-25	79	54	58	0.12
32	PCF-ELB90-32	93	64	67	0.19
40	PCF-ELB90-40	108	82	82	0.34
50	PCF-ELB90-50	127	96	93	0.50
75	PCF-ELB90-75	178	134	132	1.30
90	PCF-ELB90-90	217	154	162	2.17
110	PCF-ELB90-110	292	181	194	3.81

Product Group: MS01

7055 - Metric Mine Elbow

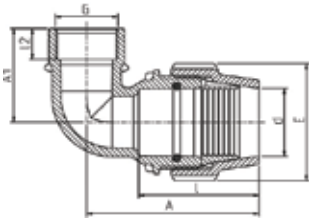


Size d (mm)	Part Number	A (mm)	E (mm)	I (mm)	Weight (kg)
63	PCF-ELB90-63	151	113	110	.84

Product Group: MS01

7150 - Metric Elbow x Female BSP





Size		Part Numbers	A (mm)	A1 (mm)	E (mm)	I (mm)	I2 (mm)	Weight (kg)
d (mm)	G (inch)							
20	¾	PCF-ELB-20-20-F	78	44	48	57	19	0.07
25	¾	PCF-ELB-25-20F	81	46	54	58	19	0.08
25	½	PCF-ELB-25-15F	81	46	54	58	18	0.09
25	1	PCF-ELB-25-25F	83	50	54	58	21	0.09
32	1	PCF-ELB-32-25F	95	54	64	67	21	0.14
32	1¼	PCF-ELB-32-32F	99	60	64	67	25	0.17
40	1	PCF-ELB-40-25F	119	52	82	84	21	0.20
40	1¼	PCF-ELB-40-32F	119	62	82	84	25	0.25
40	1½	PCF-ELB-40-40F	119	62	82	84	25	0.26
50	1	PCF-ELB-50-25F	133	57	96	93	21	0.28
50	1¼	PCF-ELB-50-32F	133	67	96	93	25	0.31
50	1½	PCF-ELB-50-40F	135	66	96	93	25	0.34
50	2	PCF-ELB-50-50F	138	85	96	93	30	0.39
75	2	PCF-ELB-75-50F	188	100	134	132	30	0.81

Product Group: MS01

7155 - Metric Elbow x Female BSP



Size		Part Number	A (mm)	A1 (mm)	E (mm)	I (mm)	I2 (mm)	Weight (kg)
d (mm)	G (inch)							
63	2	PCF-ELB-63-50F	160	90	113	110	30	.56

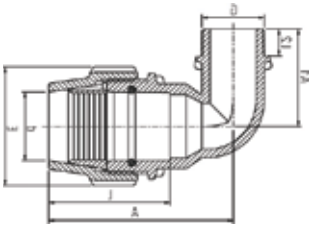
Product Group: MS01

7850 - Metric Elbow x Male BSP

Size		Part Numbers	A (mm)	A1 (mm)	E (mm)	I (mm)	I2 (mm)	Weight (kg)
d (mm)	G (inch)							
20	20	PCF-ELB-20-20M	7	43	48	57	18	0.06
25	12	PCF-ELB-25-15M	85	47	54	17	10	0.07
25	20	PCF-ELB-25-20M	90	48	54	58	18	0.08
25	25	PCF-ELB-25-25M	90	54	54	58	20	0.08
32	25	PCF-ELB-32-25M	104	55	64	67	20	0.13
32	32	PCF-ELB-32-32M	104	58	64	67	22	0.14
40	25	PCF-ELB-40-25M	124	60	82	84	20	0.20
40	38	PCF-ELB-40-40M	124	66	82	84	22	0.22
50	38	PCF-ELB-50-40M	144	74	96	93	22	0.32
50	50	PCF-ELB-50-50M	144	76	96	93	26	0.37
75	80	PCF-ELB-75-75M	202	110	154	165	35	1.30

Product Group: MS01





7855 - Metric Mine Elbow x Male BSP

Size		Part Number	A (mm)	A1 (mm)	E (mm)	I (mm)	I2 (mm)	Weight (kg)
d (mm)	G (inch)							
63	2	PCF-ELB-63-50M	170	92	113	110	26	.52

Product Group: MS01

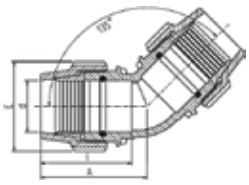


7060 - 45° Metric Elbow

Size d (mm)	Part Numbers	A (mm)	E (mm)	I (mm)	Weight (kg)
32	PCF-ELB45-32	92	64	67	0.19
50	PCF-ELB45-50	110	96	93	0.47
110	PCF-ELB45-110	235	181	194	3.42

Product Group: MS01





7065 - 45° Metric Mine Elbow

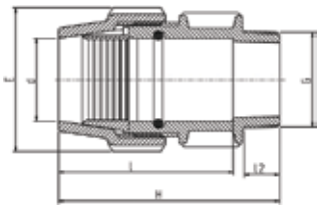
Size d (mm)	Part Number	A (mm)	E (mm)	I (mm)	Weight (kg)
63	PCF-ELB45-63	130	113	110	.77

Product Group: MS01



7020 - Metric Adaptor x Male BSP





Size		Part Numbers	H (mm)	E (mm)	I (mm)	I2 (mm)	Weight (kg)
d (mm)	G (inch)						
20	½	PCF-AM-20-15	92	48	71	17	0.06
20	¾	PCF-AM-20-20	92	48	71	18	0.06
20	1	PCF-AM-20-25	86	48	52	20	0.06
25	½	PCF-AM-25-15	94	54	72	17	0.07
25	¾	PCF-AM-25-20	95	54	72	18	0.07
25	1	PCF-AM-25-25	97	54	72	20	0.08
32	1	PCF-AM-32-25	107	64	83	20	0.12
32	1¼	PCF-AM-32-32	110	64	83	22	0.11
40	1	PCF-AM-40-25	118	82	91	20	0.18
40	1¼	PCF-AM-40-32	117	82	90	22	0.19
40	1½	PCF-AM-40-40	117	82	90	22	0.19
40	2	PCF-AM-40-50	123	82	91	26	0.21
50	1¼	PCF-AM-50-32	136	96	106	22	0.27
50	1½	PCF-AM-50-40	136	96	109	22	0.28
50	2	PCF-AM-50-50	140	96	109	26	0.28
75	2	PCF-AM-75-50	188	132	150	26	0.71
75	2½	PCF-AM-75-63	191	132	150	29	0.71
75	3	PCF-AM-75-75	195	132	150	33	0.72
90	2	PCF-AM-90-50	227	152	170	26	1.12
90	3	PCF-AM-90-75	232	152	170	33	1.13
110	2	PCF-AM-110-50	261	181	213	26	1.85
110	3	PCF-AM-110-75	256	181	213	34	1.85
110	4	PCF-AM-110-100	265	181	213	42	1.87

Product Group: MS01

7025 - Metric Mine Adaptor x Male BSP



Size		Part Numbers	H (mm)	E (mm)	I (mm)	I2 (mm)	Weight (kg)
d (mm)	G (inch)						
63	1½	PCF-AM-63-40	154	113	123	22	0.45
63	2	PCF-AM-63-50	167	112	123	26	0.46
63	2½	PCF-AM-63-63	160	113	123	29	0.46

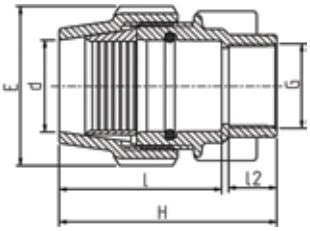
Product Group: MS01

7030 - Metric Adaptor x Female BSP

Size		Part Numbers	H (mm)	E (mm)	I (mm)	I2 (mm)	Weight (kg)
d (mm)	G (inch)						
16	½	PCF-AF-16-15	73	39	52	19	0.04
20	½	PCF-AF-20-15	82	48	60	19	0.06
20	¾	PCF-AF-20-20	82	48	60	19	0.06
20	1	PCF-AF-20-25	92	48	57	21	0.07
25	¾	PCF-AF-25-20	88	54	63	21	0.08
25	1	PCF-AF-25-25	88	54	63	21	0.08
32	1	PCF-AF-32-25	94	64	69	21	0.12
32	1¼	PCF-AF-32-32	96	64	67	25	0.14
40	1	PCF-AF-40-25	112	82	84	21	0.18
40	1½	PCF-AF-40-40	114	82	84	25	0.23
50	1½	PCF-AF-50-40	123	96	93	25	0.28
50	2	PCF-AF-50-50	128	96	93	30	0.29
75	2	PCF-AF-75-50	175	132	132	30	0.66
90	2	PCF-AF-90-50	213	154	183	30	1.14
90	3	PCF-AF-90-75	223	154	183	40	1.20
110	3	PCF-AF-110-75	261	181	213	40	1.92
110	4	PCF-AF-110-100	271	181	213	50	2.05

Product Group: MS01





7030 - Metric Mine Adaptor x Female BSP

Size		Part Number	H (mm)	E (mm)	I (mm)	I2 (mm)	Weight (kg)
d (mm)	G (inch)						
63	2	PCF-AF-63-50	148	113	110	30	.44

Product Group: MS01

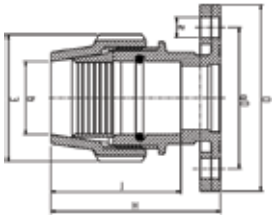


7220 - Metric Flanged x Adaptors

Size (Table E)		Part Numbers	D (mm)	H (mm)	Dp (mm)	E (mm)	I (mm)	S (mm)	Weight (kg)
d (mm)	DN								
50	2	PCF-AFL-50-50	165	128	125	96	93	18	1.51
63	2½	PCF-AFL-50-63	165	145	125	113	110	18	1.56
75	3	PCF-AFL-75-75	185	164	145	134	152	18	2.09
90	4	PCF-AFL-90-100	220	195	180	154	183	18	3.16
110	100	PCF-AFL-110-100	220	235	180	181	222	18	3.32

Product Group: MS01





7225 - Metric Mine Flanged x Adaptors

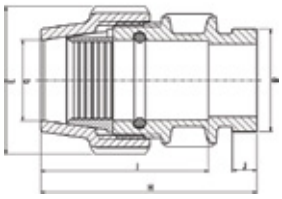
Size		Part Number	D (mm)	H (mm)	Dp (mm)	E (mm)	I (mm)	S (mm)	Weight (kg)
d (mm)	DN								
63	2½	PCF-AFL-63-63	165	145	125	113	110	18	1.559

Product Group: MS01



7320 - Metric Shouldered Adaptors



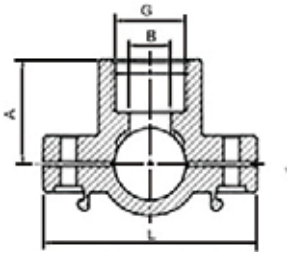


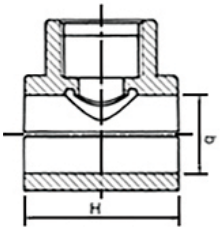
Size		Part Numbers	L (mm)	H (mm)	B (mm)	E (mm)	I (mm)	Weight (kg)
d (mm)	G (inch)							
50	2	PCF-ASH-50-50	16	138	67	96	109	0.29
63	2	PCF-ASH-63-50	16	156	67	113	123	0.44
90	4	PCF-ASH-90-100	16	231	123	154	170	1.21
110	4	PCF-ASH-110-100	16	255	123	181	213	1.87

Product Group: MS01

1607 - Metric Tapping Saddles







Size		Part Numbers	L (mm)	A (mm)	H (mm)	B (mm)	Weight (kg)
d (mm)	G (inch)						
32	½	PTF-SAD-32-15	92	40	60	16	0.13
32	¾	PTF-SAD-32-20	92	41	60	16	0.14
32	1	PTF-SAD-32-25	92	42	60	20	0.14
40	¾	PTF-SAD-40-20	92	46	60	19	0.14
40	1	PTF-SAD-40-25	92	49	60	25	0.15
50	¾	PTF-SAD-50-20	106	52	73	21	0.18
50	1	PTF-SAD-50-25	106	54	73	25	0.19
63	¾	PTF-SAD-63-20	116	59	84	20	0.28
63	1	PTF-SAD-63-25	116	61	84	25	0.29
63	1¼	PTF-SAD-63-32	116	66	84	32	0.31
63	1½	PTF-SAD-63-40	116	67	84	39	0.32
75	1	PTF-SAD-75-25	122	67	98	25	0.38
75	2	PTF-SAD-75-50	122	78	98	40	0.43
90	1	PTF-SAD-90-25	141	75	105	25	0.46
90	2	PTF-SAD-90-50	141	86	105	50	0.51
110	1	PTF-SAD-110-25	165	87	116	25	0.57
110	2	PTF-SAD-110-50	165	97	116	50	0.62
140	2	PTF-SAD-140-50	201	112	136	50	0.94
160	1	PTF-SAD-160-25	223	112	145	25	1.04
160	2	PTF-SAD-160-50	223	123	145	50	1.08
180	1	PTF-SAD-180-25	245	122	154	25	1.30
180	2	PTF-SAD-180-50	245	133	154	50	1.33

Product Group: MS01

7002 - Metric O-Rings

Size d (mm)	Part Numbers	Weight (kg)
50	PCF-ORING-50	0.02
63	PCF-ORING-63	0.02
110	PCF-ORING-110	0.03

Product Group: MS01



7003 - Split Rings

Size d (mm)	Part Numbers	Weight (kg)
63	PCF-SPLIT-63	0.05
110	PCF-SPLIT-110	0.15

Product Group: MS01



7004 - Metric Nuts

Size d (mm)	Part Numbers	Weight (kg)
63	PCF-NUT-63	0.17
110	PCF-NUT-110	0.74

Product Group: MS01



7005 - Metric Inserts

Size d (mm)	Part Numbers	Weight (kg)
63	PCF-INSERT-63	0.05
90	PCF-INSERT-90	0.10
110	PCF-INSERT-110	0.15

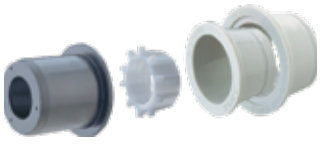
Product Group: MS01



7930 - Metric Mine Reducing Sets

Size d (mm)	Part Number	A (mm)	E (mm)	I (mm)	Weight (kg)
63	PCF-ELB45-63	130	113	110	.77

Product Group: MS01



7990 - Metric Wrenches

Size d (mm)	Part Numbers	Weight (kg)
16 X 40	PCF-SPAN-16-40	1.51
40 X 75	PCF-SPAN-40-75	1.56
63 X 125	PCF-SPAN-63-125	3.16

Product Group: MS01



PLASSON

BSP Fittings

Applications
- Suitable for use in general low-pressure air and water applications.

Materials
- Body: polypropylene

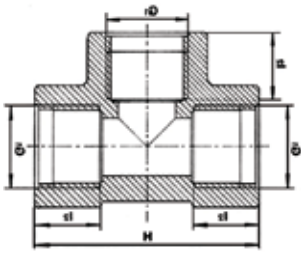
Pressure Rating
- PN10

Chemical Resistance
- Plasson® threaded fittings are manufactured from polypropylene for increased strength and enhanced chemical resistance

Recommendation
- We recommend the use of PTFE tape in threaded connections





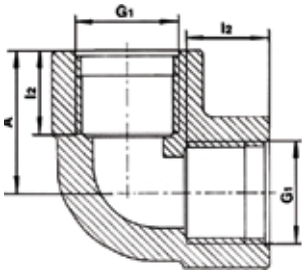


5040 - BSP Tee

Size G1 (mm)	Part Numbers	H (mm)	I2 (mm)	Weight (kg)
12	PTF-TEE-15	64	18	.025
20	PTF-TEE-20	68	19	.039
25	PTF-TEE-25	81	21	0.61
38	PTF-TEE-40	108	25	.157
50	PTF-TEE-50	130	30	.205

Product Group: MS01





5050 - BSP Elbow

Size G1 (mm)	Part Numbers	H (mm)	I2 (mm)	Weight (kg)
12	PTF-ELB90-15	32	17	.022
20	PTF-ELB90-20	35	18	.030
25	PTF-ELB90-25	41	21	.045
32	PTF-ELB90-32	48	25	.087
38	PTF-ELB90-40	54	25	.116
50	PTF-ELB90-50	65	30	.157

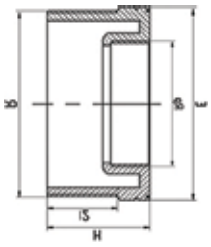
Product Group: MS01

5020 - BSP Reducing Bush

Size		Part Numbers	H (mm)	I2 (mm)	E (mm)	Weight (kg)
d (mm)	Rp (mm)					
20	12	PTF-BUSH-20-15	30	17	27	.006
25	12	PTF-BUSH-25-15	32	19	26	.016
25	20	PTF-BUSH-25-20	32	19	26	.011
32	20	PTF-BUSH-32-20	37	21	46	.028
32	25	PTF-BUSH-32-25	37	21	46	.021
38	20	PTF-BUSH-40-20	37	21	50	.030
38	25	PTF-BUSH-40-25	37	21	50	.032
38	32	PTF-BUSH-40-32	37	21	50	.020
50	20	PTF-BUSH-50-20	41	25	63	.058
50	25	PTF-BUSH-50-25	41	26	63	.061
50	32	PTF-BUSH-50-32	41	26	63	.055
50	38	PTF-BUSH-50-40	41	26	63	.044
63	50	PTF-BUSH-65-50	44	29	80	.075
80	50	PTF-BUSH-80-50	48	32	90	.103
100	80	PTF-BUSH-100-80	56	41	120	.222

Product Group: MS01



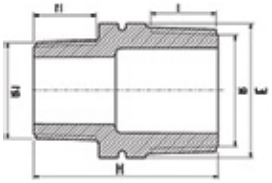


5060 - BSP Nipple

Size R (mm)	Part Numbers	H (mm)	I2 (mm)	E (mm)	Weight (kg)
12	PTF-HN-15	47	17	22	.008
20	PTF-HN-20	49	18	27	.011
25	PTF-HN-25	55	20	36	.023
32	PTF-HN-32	60	22	46	.035
38	PTF-HN-40	61	22	50	.048
50	PTF-HN-50	71	26	65	.078

Product Group: MS01



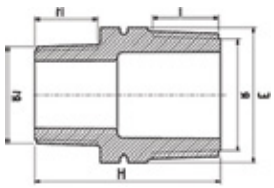


5060 - BSP Reducing Nipple

Size		Part Numbers	H (mm)	I (mm)	I1 (mm)	E (mm)	Weight (kg)
R (mm)	R1 (mm)						
20	12	PTF-HN-20-15	47	17	16	27	.010
25	12	PTF-HN-25-15	49	19	16	36	.017
25	20	PTF-HN-25-20	50	19	17	36	.018
50	25	PTF-HN-50-25	61	25	19	63	.053

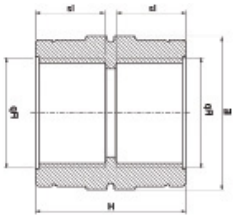
Product Group: MS01





5010 - BSP Socket



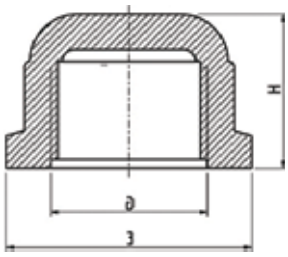


Size R (mm)	Part Numbers	H (mm)	I2 (mm)	E (mm)	Weight (kg)
12	PCF-SOC-15	39	17	30	.015
20	PCF-SOC-20	41	19	36	.019
25	PCF-SOC-25	45	21	46	.031
32	PCF-SOC-32	54	25	60	.065
38	PCF-SOC-40	54	25	65	.076
50	PCF-SOC-50	66	31	75	.092

Product Group: MS01

5070 - BSP End Cap



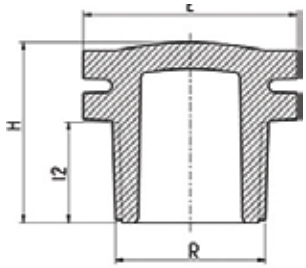


Size R (mm)	Part Numbers	H (mm)	I2 (mm)	E (mm)	Weight (kg)
20	PTF-CAP-20	26	16	42	.014
25	PTF-CAP-25	32	19	50	.027
32	PTF-CAP-32	34	22	59	.039
38	PTF-CAP-40	34	21	65	.043
50	PTF-CAP-50	39	25	80	.078

Product Group: MS01

5170 - BSP End Plug





Size R (mm)	Part Numbers	H (mm)	I2 (mm)	E (mm)	Weight (kg)
12	PTF-HP-15	29	16	27	.008
20	PTF-HP-20	31	17	32	.012
25	PTF-HP-25	34	19	36	.016
32	PTF-HP-32	38	21	46	.026
38	PTF-HP-40	39	21	55	.038
50	PTF-HP-50	45	25	65	.060

Product Group: MS01

Specialty Mining Products 578

Minsup® Pelican Picks 578
Scaling Bars 578
Minsup® Scraper Block 579
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Dixon™ Extendable Paint Stick 589

Minsup® Pelican Picks

Application

- The pelican pick will shovel, hoe, scrape, dig trenches, and pick.

Features

- Extremely durable and will stand up to the roughest treatment

Construction

- Wooden handle or composite handle
- Manufactured from high-grade heavy gauge steel plate



Wooden Orange

Part Numbers	Handle Type	Weight (kg)
08/080/01/000	Wooden	2.5
08/080/01/000C	High visibility (orange) shockproof	2.5

Product Group: AF03

Scaling Bars

Application

- Used in underground mining operations for prying and scaling down loose rocks from overhead.



Aluminium - Round Bar

Features

- Lightweight aluminium tube body reduces user fatigue
- Inserted forged steel ends for maximum toughness
- Heel offset to 40° for optimum levering
- 25mm bar diameter

Length (mm)	Part Numbers	
	Standard	With Hand Grips
1800	08/100/01/066	08/100/01/066F
2400	08/100/01/861	08/100/01/861F
3000	08/100/01/279	08/100/01/279F

Product Group: BH01



Alloy Steel - Hexagon Bar

Features

- Forged from chrome alloy steel
- Hexagon profile for greater control

Length (mm)	Part Numbers	
	Bar Diameter 20	Bar Diameter 22
1200	05/100/02/295	SBAR22MMX1200
1500	05/100/01/112	SBAR22MMX1500
1800	05/100/01/113	SBAR22MMX1800
2100	05/100/01/111	-

Product Group: BH02



Alloy Steel with 2 x Rubber Hand Grips

Alloy Steel - Hexagon Bar with Hand Grips

Length (mm)	Part Numbers	
	Bar Diameter 20	Bar Diameter 22
1200	05/100/02/295F	SBAR22MMX1200F
1500	05/100/01/112F	SBAR22MMX1500F
1800	05/100/01/113F	SBAR22MMX1800F
2100	05/100/01/111F	-

Product Group: BH02

Minsup® Scraper Block

Application

- Minsup® scraper blocks possess some very intelligent features, that's why you'll find Minsup's 2.037-tonne scraper blocks on oil fields and construction sites, lumber yards, industrial workshops, and underground mines.
- The unit features shielded bearings to prohibit the entry of dirt and water. During assembly, the bearings are packed in grease to last for life. The hook is forged from strong, dependable alloy steel (safe up to 2.037 tonnes), and side plates, and the sheave wheels are cast in SG iron. The block is suitable for either 12.7mm (½") or 15.9mm (⅝") SWR.

Features

- Side plates and sheave wheel are cast in SG iron
- The hook is forged from alloy steel
- M16 bolts are 8.8 high tensile
- M16 nyloc nuts are grade 8
- The bearing is shielded to prohibit the entry of dirt and water
- Sealed bearing is used to remove the need for maintenance
- Hook swivels
- Suitable for use on 12.7mm (½") or 15.9mm (⅝") steel wire rope
- Safe working load 2 tonne (safety factor 5:1)
- Assembly weight 20kgs



Part Number	Description	Weight (kg)
08/050/01X/00	Scraper block	20

Product Group: AC05

Rock Bolt Wedges

Features

- Diamond head to suit 25mm (1") or 22mm (⅞") wedge type rock bolts
- Manufactured from SG iron to ISO 1083:400-250-15 SGI



Part Number	Handle Type	Box Quantity
08/056/03/000	Diamond head rock wedges	100

Product Group: AC05

Galvanised Chain



Size (mm)	Part Number	Dimensions (mm)			Pack Weight (kg)
		Diameter	Inside Length	Outside Width	
6	CH-GAL-6-25	6.30	26.1	23.5	25

Product Group: MS03

Galvanised Wire Rope



Size (mm)	Part Numbers	Reel Length (mtr)	Construction	MBF	Weight (kg)
6	ROPE-GAL-6-500	500	7 x 7	20.2kN	0.14/mtr
6	ROPE-GAL-6-1000	1000	7 x 7	20.2kN	0.14/mtr

Product Group: MS03

Galvanised D Shackle



Size (mm)	Part Number	Dimensions (mm)			Pack Quantity	Pack Weight (kg)
		B	D	L		
6	SH-D-6-250	14	13	25	Bucket - 250	8.5

Product Group: MS03

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ANFO Pressure Loaders

Application

- Minsup® pressure loaders are manufactured in two variants - standard or squat. The standard range is available in 45kg, 100kg, and 250kg sizes. The Squat range is available in 250kg and 500kg sizes. They are designed for loading prilled Ammonium Nitrate Fuel Oil (ANFO) in varying diameter drill holes, both in horizontal and vertical positions. After the loader has been filled, it is pressurised by compressed air to the pre-determined discharge pressure, thus the rate of discharge can be varied to obtain the required density and charge rate.

Features

- Designed and manufactured in accordance with AS1210-1989-Class 3
- Manufacturers' data report supplied with each pressure vessel
- Made in Australia
- Includes modular filler cone assembly that allows for removal of the trash screen and/or lid
- Includes self-standing frame
- No parts expand past the frame for easy shipping
- Minsup® air system, enabling manual or remote operation
- Flanged Opening on Head for easy replacement of the sealing cone on all units (excluding 45kg)

Materials

- Body: mild steel
- Frame: mild steel
- Components: stainless steel

Pressures

- Working Pressure: 345 kPa
- Design Pressure: 690 kPa
- Test Pressure: 1035 kPa

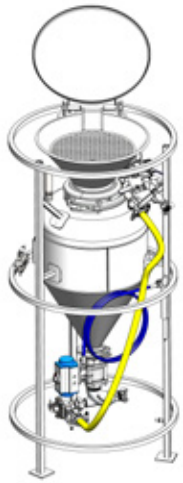
Note

- All images show dual remote configuration, other configuration images will differ

ANFO Pressure Loader Requirements

Vessel Nominal Size (kg)	Actual ANFO Capacity[3] (kg)	Vessel Volume (L)	CFM Required (cfm)	Vessel Weight Unladen[2] (kg)	Frame Dimension (mm)
45 Standard Design	54	68	8	55	1440mm (H) x ø700mm
100 Standard Design	117	146	14	146	1660mm (H) x ø880mm
250 Standard Design	269	336	35	230	1955mm (H) x ø960mm
250 Squat Design	210	263	35	230	1720mm (H) x ø1217mm
500 Squat[1] Design	504	631	35	560	2160mm (H) x 1267mm (D) x 1267mm (W)

- [1]The 500kg Squat vessel size is fitted in a square frame. All other vessel sizes are fitted in round frames
- [2]For laden vessel weight add actual ANFO capacity and unladen vessel weight together
- [3]Calculated using ANFO fuel density = 0.8kg/L
- Frame dimensions provided are the outside frame dimension, no part of the vessel or components produced outside of this frame dimension



Standard Pressure Loaders - 45kg

Features

- Supplied in round frame
- 45kg is shouldered head

Part Numbers	Description
PV045MSTSLFMM	Manual control for both loading and flushing the line
PV045MSTSLFMS	Single hand control allows for remote operation to load and manual operation to flush the line
PV045MSTSLFMD	Single hand remote with dual control with trigger operation to load and button operation to flush the line
PV045MSTSLFMDF	Dual foot control allows for foot remote operation to both load and separate operation to flush the line

Product Group: AG02

Standard Pressure Loaders - 100kg

Part Numbers	Description
PV100MSTFLFMM	Manual control for both loading and flushing the line
PV100MSTFLFMS	Single hand control allows for remote operation to load and manual operation to flush the line
PV100MSTFLFMD	Single hand remote with dual control with trigger operation to load and button operation to flush the line
PV100MSTFLFMDF	Dual foot control allows for foot remote operation to both load and separate operation to flush the line

Product Group: AG02



Standard Pressure Loaders - 250kg

Part Numbers	Description
PV250MSTFLFMM	Manual control for both loading and flushing the line
PV250MSTFLFMS	Single hand control allows for remote operation to load and manual operation to flush the line
PV250MSTFLFMD	Single hand remote with dual control with trigger operation to load and button operation to flush the line
PV250MSTFLFMDF	Dual foot control allows for foot remote operation to both load and separate operation to flush the line

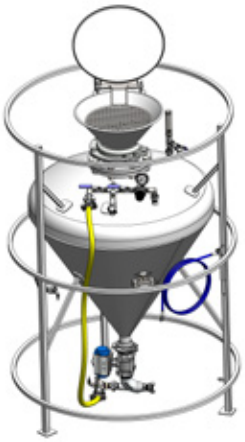
Product Group: AG02



Squat Pressure Loaders - 250kg

Part Numbers	Description
PV250MSQFLFMM	Manual control for both loading and flushing the line
PV250MSQFLFMS	Single hand control allows for remote operation to load and manual operation to flush the line
PV250MSQFLFMD	Single hand remote with dual control with trigger operation to load and button operation to flush the line
PV250MSQFLFMDF	Dual foot control allows for foot remote operation to both load and separate operation to flush the line

Product Group: AG02



Squat Pressure Loaders - 500kg

Part Numbers	Description
PV500MSQFLFMM	Manual control for both loading and flushing the line
PV500MSQFLFMS	Single hand control allows for remote operation to load and manual operation to flush the line
PV500MSQFLFMD	Single hand remote with dual control with trigger operation to load and button operation to flush the line
PV500MSQFLFMDF	Dual foot control allows for foot remote operation to both load and separate operation to flush the line

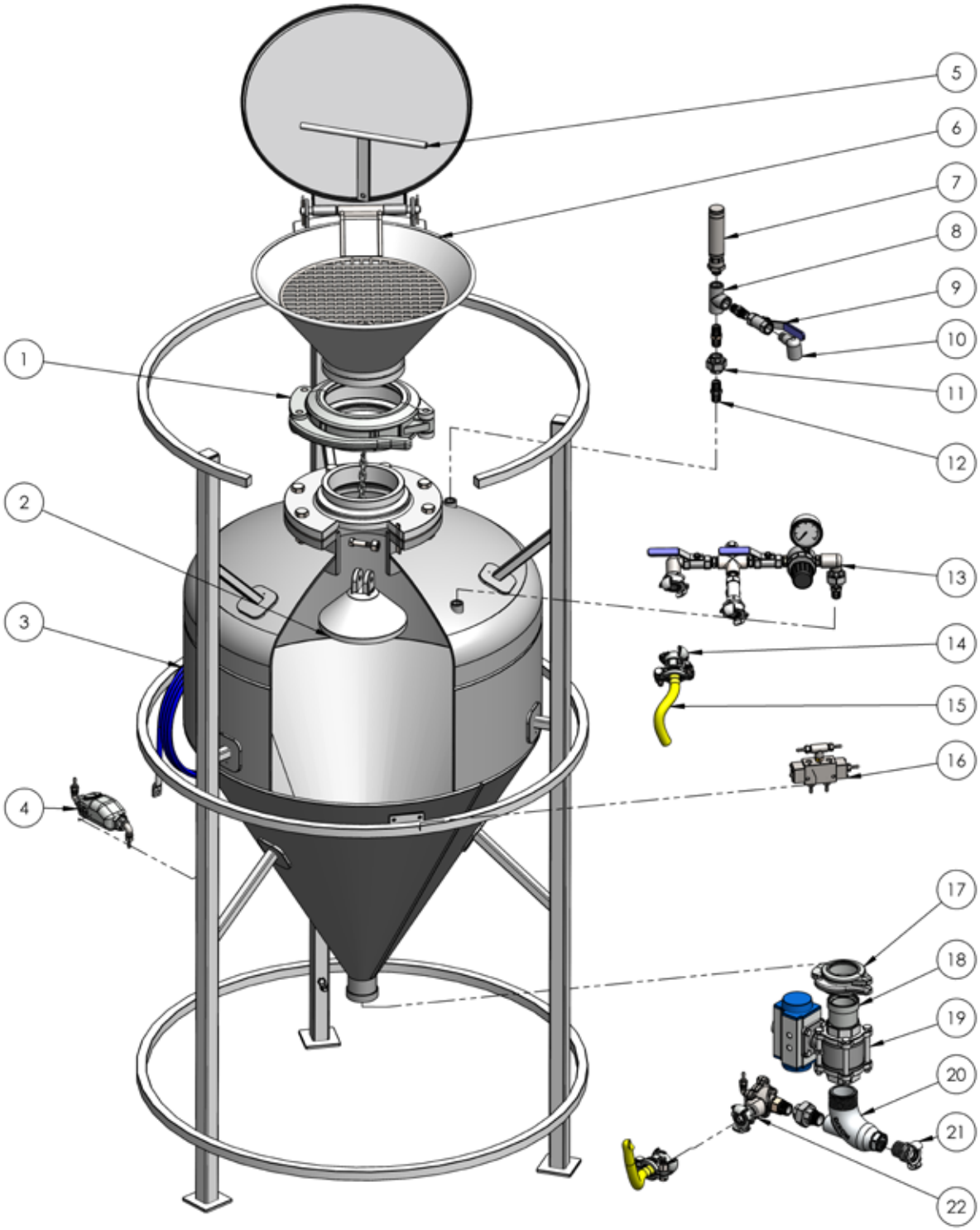
Product Group: AG02



minsup

ANFO Pressure Loader Spare Parts - Exploded View

Flanged Configuration with Dual Remote Take-off



ANFO Pressure Loader - Spare Parts

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Reference Number	Part Numbers	Description
1	08/048/19/005SS	150mm (6") shouldered quick release coupling 316SS
2	08/040/06/005	Sealing cone 150mm (6")
3	08/040/01/081	Earth lead assembly
4	08/040/08/127	Oil lubricator assembly
5	08/040/01/003	Sealing cone handle
6	08/040/06/402SS	Stainless steel filler cone assembly with removeable trash screen
7	05/040/01/012SS	Stainless steel relief valve 12mm (½") - set to 690 kPa
8	SS16T015	Tee 12mm (½") BSP stainless steel female
9	SS1P-12MM	12mm (½") 1-piece stainless steel ball valve
10	SS16ELMF015	Elbow 12mm (½") BSP stainless steel male/female
11	SS16FU015	Union 12mm (½") BSP stainless steel female
12	SS16HN015	Nipple 12mm (½") BSP stainless steel
13	08/040/01/082R	Manifold assembly to suit remote operation
13	08/040/01/082	Manifold assembly to suit manual operation
14	AH20STS-B	20mm (¾") Minsup® A-Type stainless steel hose tail
15	A102020	20mm (¾") yellow contractors air hose
16	08/040/08/087	Pilot valve assembly
17	08/048/19/000SS	Stainless steel clamp 50mm (2") shouldered quick release
18	08/048/10/000SS	Stainless steel 50mm (2") shouldered x BSP adaptor
19	SS3P050-ACT-DA	50mm (2") 3-piece stainless steel ball valve with pneumatic actuator
20	08/040/01/058C	Stainless steel take-off bend assembly
21	AM25BSPSTS-B	25mm (1") Minsup® A-Type stainless steel BSP male
22	08/040/08/089	Diaphragm valve assembly

Pressure Relief Valve

7

Size		Part Number	Description
mm	inch		
12	½	05/040/01/012SS	Pressure relief valve fitted with anti-tamper seal Product Group: AG04



Filler Cone Assembly

Features

- Modular system enabling the ability to remove the trash screen and or the lid

6

Part Number	Description
08/040/06/402SS	Stainless steel filler cone with trash screen & lid Product Group: AG06

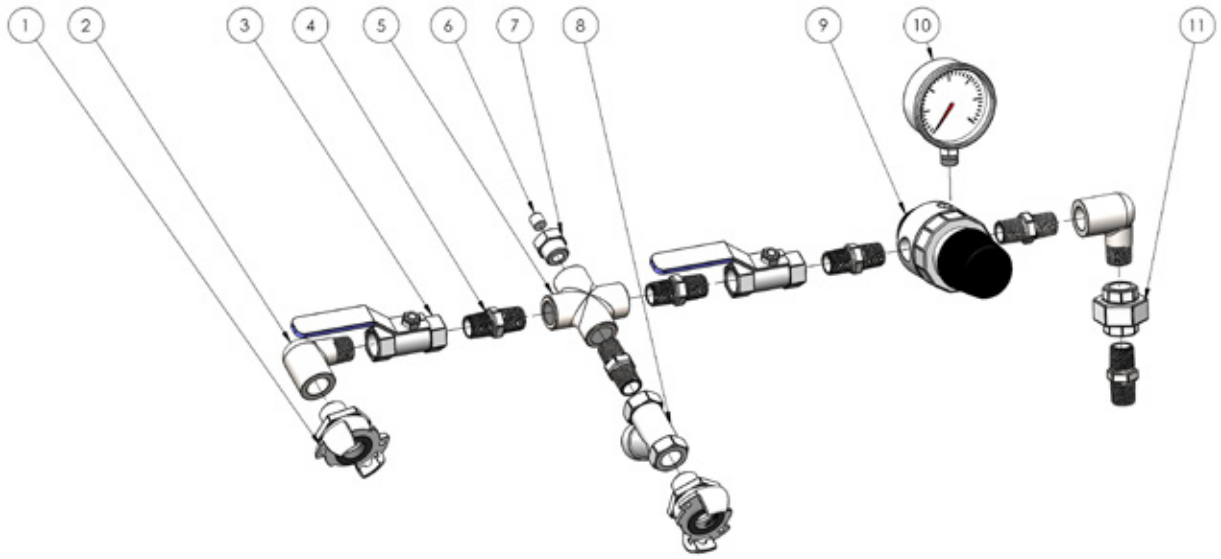


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Manifold Assembly - Exploded View

Features

- Minsup® manifold assemblies are constructed from stainless steel components
- Ideally suitable in preventing the formation of tetra-ammine copper nitrate (TACN)



Part Numbers	Description
08/040/01/082R	Manifold assembly to suit remote control version (image above)
08/040/01/082	Manifold assembly to suit manual version

Product Group: AG06

Manifold Assembly to Suit Remote Control Version

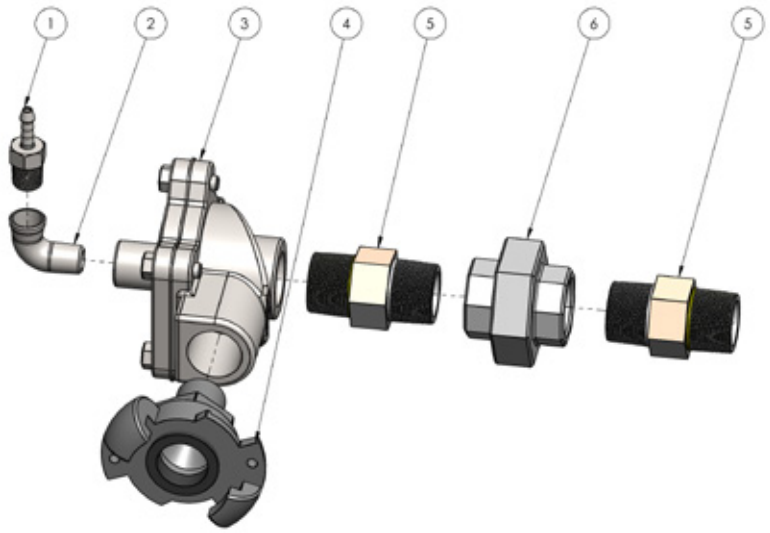
Reference Number	Part Numbers	Description
1	08/001/09/000	12mm (½") Minsup® A-Type male BSP
2	SS16UMF015	Union 12mm (½") BSP male x female stainless steel
3	SS1P-12MM	12mm (½") 1-piece ball valve stainless steel
4	SS16HN015	Nipple 12mm (½") BSP stainless steel
5	SS16CR015	Cross 12mm (½") BSP stainless steel
6	SS16XP008	Hex plug 6mm (¼") BSP stainless steel
7	SS16B1508	Reducing bush 12mm (½") x 6mm (¼") BSP stainless steel
8	05/040/04/025SS	Y strainer 12mm (½") BSP stainless steel
9	05/040/01/014SS	Regulator 12mm (½") BSP stainless steel
10	05/040/01/015SS	Gauge 6mm (¼") BSP 0-1000 PSI
11	SS16FU015	Union 12mm (½") BSP female x female stainless steel

Diaphragm Valve Assembly - Exploded View

minsup

Features

- Minsup® manifold assemblies are constructed from stainless steel components
- Ideally suitable in preventing the formation of tetra-ammine copper nitrate (TACN)



Part Number	Description
08/040/08/089	Diaphragm valve assembly complete

Product Group: AG06

Diaphragm Valve Assembly

Reference Number	Part Numbers	Description
1	08/040/08/082SS	3/16" x ¼" stainless steel BSP hose tail
2	SS16ELMF008	8mm stainless steel male x female 90° elbow
3	05/040/08/104	20mm (¾") diaphragm valve
4	AM20BSPSTS-B	20mm (¾") Minsup® stainless steel A-Type
5	SS16HN020	20mm (¾") BSP hex nipple stainless steel
6	SS16FU020	Union 20mm (¾") BSP female x female stainless steel

minsup

ANFO Loader Remote Control Kits



Features

- Control valve single or dual
- Lubricator assembly
- Pilot valve assembly
- Actuated valve assembly
- Control hoses (10m)

Part Numbers	Handle Type
08/040/08/128	Single - 50mm (2") shouldered outlet
08/040/08/129	Dual - 50mm (2") shouldered outlet - diaphragm valve

Product Group: AG06



Stainless Steel Ball Valve

Part Number	Handle Type	Weight (kg)
SS3P050-ACT-DA	50mm (2") 3-piece stainless steel ball valve with pneumatic actuator	2.5

Product Group: VS02



Shouldered X BSP Adaptor

Part Number	Description
08/048/10/000SS	50mm (2") shouldered x BSP adaptor stainless steel

Product Group: AE02



Pilot Valve Assembly

Application

- Stainless steel pilot valve minimises change of forming tetra-ammine copper nitrate

Part Number	Description
08/040/08/087	ANFO loader remote control pilot valve assembly

Product Group: AG03

ANFO Loader Remote Control Sub Assemblies

Application
- For the operation of Minsup® ANFO loaders equipped to be fitted with single or dual control valves.

Features
- Operator comfort, single-hand operation
- Suitable for contact with ANFO

Material
- Stainless steel with nitrile O-ring and steel spring

Temperature
- 80°C

Part Numbers	Handle Type
SRC	Single control valve - used to operate actuated loading valve
DRC	Dual control valve - used to operate actuated loading valve & diaphragm operated venturi

Product Group: AG03



Single



Dual

Foot Control Valve

Part Numbers	Description
05/040/08/134AL	Aluminium foot control valve
B53004GY	Foot control valve - dual spring control

Product Group: AG03


Aluminium


Dual Spring Control

Oil Lubricator Assembly

Features
- Investment cast aluminium oil lubricator assembly provides lubrication to all moving parts

Part Number	Description
08/040/08/127	Oil lubricator assembly

Product Group: AG06



Minsup® ANFO Loading Hose

Application
- Designed tubing, manufactured from materials with specific low static properties, used for the delivery of pneumatically load blasting agents into drilled blast holes.

Features
- Semi-conductive
- Resistance Per Metre: .015 - .025MΩ
- Total Resistance (per coil): <1.6MΩ

Standards
- Manufactured to AS2187.2

Standards
- PVC: --21°C to 60°C
- HDPE: --21°C to 80°C

Part Numbers	Material	Dimensions (mm)		Working Pressure		Length	Weight (kg/mtr)
		ID	OD	PSI	bar	m	
05/100/01/124	Polyvinyl Chloride	19.0	27.0	100	6.9	30	.355
05/100/01/455	Polyethylene (HDPE)	25.4	30.0	150	10.3	60	.220
05/100/01/456	Polyethylene (HDPE)	32.0	37.0	150	10.3	60	.283

Product Group: AG05



Dy-Mark® Mine Marking®

Application

- Dy-Mark® Mine Marking® is a marking out paint specially formulated for above/below ground areas (not recommended for underground coal mines - use Mine Marking® Non-Flammable). Mine Marking® utilises a 360° valve and is available with two nozzle options for upright/inverted or horizontal spray applications.
- Horizontal features a standard paint nozzle, where the main application is side walls. Vertical is designed for marking ceilings and floors. For high ceilings and hard-to-reach areas, use the Dixon™ extendable paint stick (suitable for use with both options). Applications include marking out ore zones in grading control, pit walls and sever grid layouts.

Features

- Formulated for above/below ground areas
- 360° valve for any direction spray
- Two nozzle options for upright/inverted spray or horizontal spray application
- Bright, highly visible marks on dark surfaces
- Vertical spray is suitable for use with the Dixon™ extendable paint stick

Suitable Surfaces

- Rock
- Dirt and gravel

Application Temperature

- -10°C and 30°C

Drying Time

- 3 minutes (25°C)

Coverage

- Will produce 200+ 'X' marks, up to 120 linear metres (depending on surface and colour used)

How to Use

- Hold the can upright or in the inverted position and spray with the nozzle approximately 20-25cm from the surface. Adjust the spray width by moving closer or further away from the surface to be sprayed



Vertical

Mine Mark - 350g

Colour	Part Numbers	
	Horizontal	Vertical
Black	PAINT-MMH-BLA	PAINT-MMV-BLA
Blue	PAINT-MMH-BLU	PAINT-MMV-BLU
Fluro Pink	PAINT-MMH-FLPINK	PAINT-MMV-FLPINK
White	PAINT-MMH-WHI	PAINT-MMV-WHI
Yellow	PAINT-MMH-YEL	PAINT-MMV-YEL
Red	PAINT-MMH-RED	PAINT-MMV-RED
Orange	PAINT-MMH-ORA	PAINT-MMV-ORA
Green	PAINT-MMH-GRE	PAINT-MMV-GRE

Product Group: MS02



Horizontal

Mine Mark Non-Flammable - 400g

Colour	Part Numbers	
	Horizontal	Vertical
Fluro Orange	PAINT-SMH-FLORA	PAINT-SMV-FLORA
Fluro Pink	PAINT-SMH-FLPINK	PAINT-SMV-FLPINK
Fluro Red	PAINT-SMH-FLRED	PAINT-SMV-FLRED
White	PAINT-SMH-WHI	PAINT-SMV-WHI
Yellow	PAINT-SMH-YEL	PAINT-SMV-YEL
Orange	PAINT-SMH-ORA	PAINT-SMV-ORA
Red	PAINT-SMH-RED	PAINT-SMV-RED

Product Group: MS02

Dixon™ Extendable Paint Stick

Application

- Dixon's extendable paint stick – a tool purpose-built for underground mining applications. With its unmatched performance and versatility, it provides a practical solution to mark inaccessible areas.

Features

- Compact Design: The paint stick's closed size is 2.5m, providing a convenient size for easy transportation and storage
- Stability: The pole extension is designed with a flat face on the inner tube to prevent twisting, thereby maintaining the angle at all times
- Cost Savings: Both the spray can holder and the paint pole can be purchased separately. This offers a cost-effective solution should one part require replacing
- Ease of Adjustment: The inner tube features 20 pre-set holes at 115mm increments for easy length adjustment.
- High Visibility: The handle of the paint stick is crafted from yellow fibreglass, making it easily visible in darker environments
- High Strength: The fibreglass pole has a high strength-to-weight ratio, maintaining its shape at full extension and minimising flex during use
- Ergonomic Design: The paint stick keeps the thicker, heavier part of the pole closer to the body, reducing strain and facilitating ease of use even at full extension

Materials

- A yellow fibreglass pole which houses an aluminium extendable inner tube

Length

- The total length of the pole is 5m at full extension

Scan our QR code to view our Paint Stick User Instructions

Complete Paint Stick

Part Number	Description
PAINT-STICK	Telescopic paint stick 2.5m to 5m including can holder Product Group: MS02



Replacement Parts

Part Numbers	Description
PAINT-POLE	Telescopic paint stick pole, fibreglass handle 2.5m to 5m
PAINT-HOLDER	Paint stick can holder Product Group: MS02





Tanker, Terminal & Rack Equipment

Tanker, Terminal & Rack Equipment
Tank Truck 594

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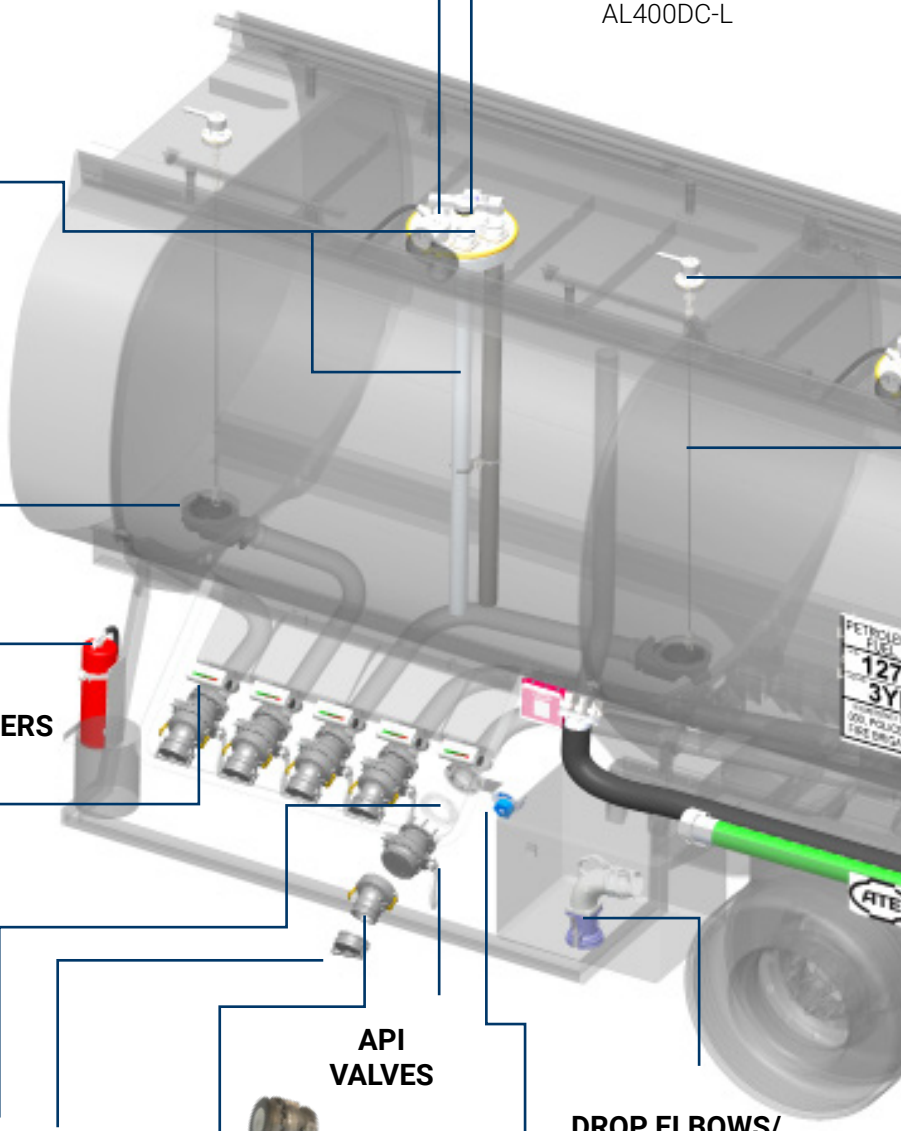
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Petroleum
Tanker Products



PRESSURE VACUUM VENT



DBPVV1

PROBE HOLDER



DBPH

DUST CAPS



AL400DC-L

DIP & FILL FITTINGS & ACCESSORIES



DBDFA80



DBDT80-2200

EMERGENCY FOOT VALVE & ACCESSORIES



DBFVPET



DBFVCT



DBFVPETACT

FIRE EXTINGUISHERS

PRODUCT INDICATOR



DBPI120

API VALVES



5206A



5204
(Overseas Pattern)

DROP ELBOWS/ ELBOW INLETS



6000ASA

SIGHT GLASSES



DBSGF4-25



5200-SFI-3

DUST CAP



AL400DC-L



DBVRE300

4500 SERIES DROP ADAPTORS



4540



4540ST



4540SGV

API DUST CAP ASSEMBLY



5000-24



5000-25

SOCKETS & DUMMY PROBES



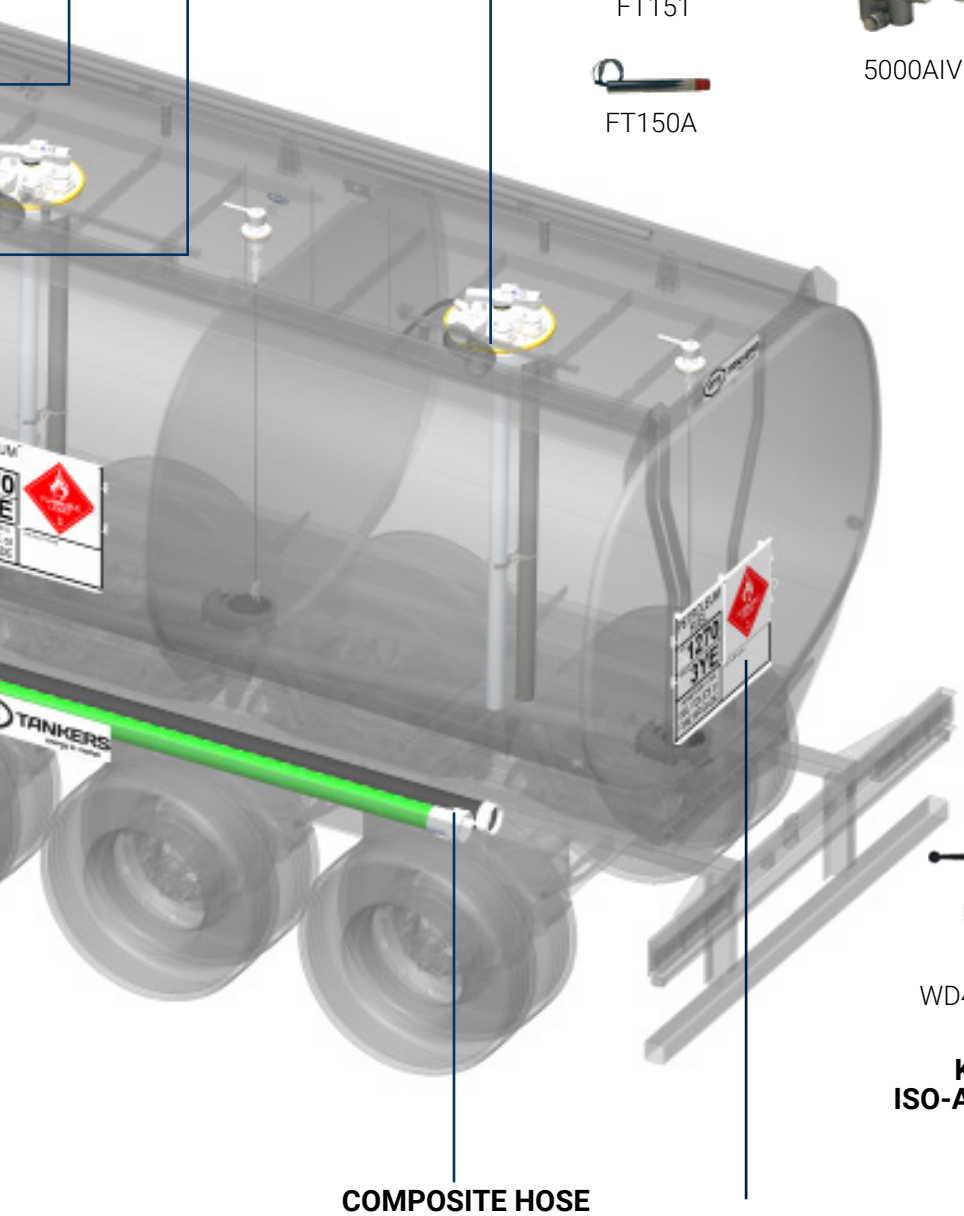
FT304A



FT208LH



FT155A



TOP OPERATOR CAMLIFT & LIFTING WIRE



DBCO402



DBLWKIT

VAPOUR VENTS



DBVR6410



DBVH090

OVERFILL PROBES



FT151

FT150A

AIR INTERLOCKS VALVE



5000AIV

VAPOUR VALVES



VR4000



VR4100FNG

VAPOUR CAPS



VR4050AL



VR4050PL

GROUNDING BALL & BOLT



FT450



FT451

TTMA FLANGES & ROUND FLANGE GASKETS



TTF4-100AL



400-ALT-SS

TTMA BUTTERFLY VALVES



WD401ALVB



WD406ALVB



WD306ALVB-ACTDA

LOCKING FILL CAPS



SA4050

K-SERIES ISO-A COUPLINGS



8KBF8-G



K8BF8-G

TUBE DOORS & STEPS



TDF7



15S

BULK DELIVERY NOZZLE



114DBSPT

COMPOSITE HOSE ASSEMBLIES



C1000100FF



CVRH100FF

HAZCHEM SAFETY SIGN (EIP)



DBHSLS



DBBITHSL

5206 API Valves (Australia & New Zealand Pattern)

Application

- API valves are used for bottom loading and unloading of petroleum tankers. Valve nose shape and opening comply with American Petroleum Institute standard (API RP-1004) enabling Dixon's™ API valves to interchange with competitor items made to the same specification. Three styles are available; a load model without a handle, a load/unload model with a pull-up to operate handle to allow manual opening, and a load/unload model with a pull-down to operate handle to allow manual opening.

Features

- Detent stroke handle, open/close at 90°
- Maintenance is simplified and easy
- The nose ring is anodised hard coat aluminium, nose ring can be rotated to provide a fresh connection service

Seal

- Chemical-resistant crank seals & poppet seal (PTFE seals optional)

Service

API valves are approved for use in the following service:

- E85 85% ethanol
- E100 100% ethanol
- B15 15% bio-diesel/diesel
- B20 20% bio-diesel/diesel
- B100 100% bio-diesel

Materials

- Anodised hard coat aluminium



5206A

5206 API Adaptors

TTMA Size		Part Numbers	Handle Type	Description
mm	inch			
100	4	5206A	Pull-up handle	Sight glass and Baylast™ seals
		5206NGA	Pull-up handle	Baylast™ seals and no sight glass
		5206TNGA	Pull-up handle	PTFE encapsulated seals and no sight glass

Product Group: AS02



5206K7



5204K2

Replacement Parts for 5206 API Adaptors

Part Numbers	Description
5204K1	Poppet O-ring Baylast™ to suit 5206 series API valves
5204K3	Replacement nose cone with O-ring and fasteners
5204K6	PTFE encapsulated seal kit to suit 5206 series API valves
5206K7	Replacement handle kit, pull-up version (Australian version)
5204K8	Sight glass replacement kit with O-ring and fasteners
5204K9	Sight glass blank plate (to convert units with sight glass to non-sight glass)

Product Group: AS02

5204 API Valves (Overseas Pattern)

Features

- Ergonomically curved handle that opens with a short 62°-degree stroke
- Available with a fixed or removable handle
- Maintenance is simplified as it can be completely rebuilt without removing the valve from the tank
- The nose ring is anodised hard coat aluminium, nose ring can be rotated to provide a fresh connection service

Seal

- Chemical-resistant crank seals & poppet seal (PTFE seals optional)



5204
(Overseas Pattern)

5204 API Adaptors

TTMA Size		Part Numbers	Handle Type	Description
mm	inch			
100	4	5204NG	Pull-down to open handle	Baylast™ seals without sight glass
		5204TNG	Pull-down to open handle	PTFE encapsulated seals without sight glass
		5204	Pull-down to open handle	Sight glass and Baylast™ seals
		5204SFI	Pull-down to open handle	Baylast™ seals inline full body sight glass
		5204LNG	No handle	Baylast™ seals without sight glass
		5204L	No handle	Sight glass and Baylast™ seals

Product Group: AS02

API Valves

Replacement Parts for 5204 API Adaptors

Part Numbers	Description
5204K1	Poppet O-ring Baylast™ to suit 5204 series API valves
5204K2	Rebuild kit to suit 5204 series API valves
5204K3	Replacement nose cone with O-ring and fasteners
5204K6	Ptfe encapsulated seal kit to suit 5204 series API valves
5204K7	Replacement handle kit, pull-down version only
5204K15	Replacement handle kit, pull-up version (Australian version)
5204K8	Sight glass replacement kit with O-ring and fasteners
5204K9	Sight glass blank plate (to convert units with sight glass to non-sight glass)

Product Group: AS02



5204K2



5204K7

Product Indicator - 12 Sided

Application

- Product indicators allow the tanker driver to manually select and display the product in the corresponding tanker compartment, it features 12 individual positions, which enables 12 different products to be displayed. Designed to be mounted directly to a 100mm (4") TTMA flange.
- The Dixon™ Bayco™ DBPI120 can easily be retrofitted to any tanker that currently has API adaptors installed.

Features

- Multi-product grade indicator
- Easy to operate, simply pull and turn the handle until the required information is displayed
- Capable of displaying 12 user-selectable product identification labels
- Mounts direct to 100mm (4") TTMA flange pattern API adaptors
- Customisable label sheets available by request

Materials

- Cast aluminium

Standard Labels

- Diesel
- Avgas100
- ULP + E
- Ethanol
- Check Product
- Pulp 95
- Kerosene
- Jet A1
- E-85
- ULP 91
- Hi Octane
- Blank



Part Number	Description
DBPI120	Product indicator with 12 display labels

Product Group: AS02

Replacement Labels

Part Numbers	Description
X2650VY	Standard label set to suit DBPI120 - 12 labels
X2651VY	Optional label set to suit DBPI120 - 5 labels

Product Group: AS02

Tank Truck Flanged Sight Flow Indicators

Application

- For use with TTMA API adaptors and flanged butterfly valves commonly used on tank trucks.

Features

- The 5200-SFI is designed to be a drop-in replacement for the one-piece acrylic sight glass used behind the API load head
- Strong and light-weight
- Allows for visual identification of the fuel grade before opening the valve
- 44.5mm (1¾") width can replace acrylic doughnut sight glass

Flange Type

- TTMA

Fuel Compatibility

- Aluminium - Gasoline, diesel, up to E100 & B100 biofuels
- Acrylic - Ethanol



DBSGF4-25



5200-SFI



TT3ASG-ETH

Size		Part Numbers	Description	Material
mm	inch			
80	3	DBSGF3-25	Sight glass 25mm thick	Acrylic
		5200-SFI-3	Short sight flow indicator 44.5mm thick	Aluminium
		TT3ASG-ETH	Sight flow indicator 44.5mm thick	Acrylic
100	4	DBSGF4-25	Sight glass 25mm thick	Aluminium
		5200-SFI	Short sight flow indicator 44.5mm thick	Aluminium
		5201-SFI	Sight flow indicator 82.6mm thick - Baylast™	Aluminium
		TT4ASG-ETH	Sight flow indicator 44.5mm thick	Acrylic

Product Group: AS02

Replacement Parts

Part Numbers	Description
5200-SFI-3-RK1	3" Relplacement sight glass repair kit - comes with sight glass, O-rings & retaining ring to suit 5200-SFI-3
5200-SFI-RK1	4" Replacement sight glass repair kit - comes with sight glass, O-rings & retaining ring to suit 5200-SFI-3
5200-SFI-3V-RK1	3" Replacement sight glass, fkm O-ring, and retainer ring kit
5200-SFIV-RK1	4" Replacement sight glass, fkm O-ring, and retainer ring kit
5201-SFI-RK1	Rebuild kit to suit 5201-SFI, Baylast™ O-rings, sight glass and retaining ring
112028	Baylast™ rubber O-ring to suit 5200-SFI
4PSG	Plexiglass insert
111692	Baylast™ rubber O-ring to suit 5200-SFI-3

Product Group: AS02

TTMA Flange Screen



Features

- Stainless steel screen encapsulated in a FKM gasket

Part Number	Description
TTFS4SS	50mm (2") stainless steel screen with 25mm (1") square holes

Product Group: AS02

Gravity Drop Adaptors

Application

- The gravity drop adaptor features an industry-standard API female connection designed to couple directly to the standard API valve leaving either an 80mm (3") or 100mm (4") male Camlock adaptor to be connected to the petroleum unloading hose.

Features

- 80mm (3") or 100mm (4") connections
- Optional sight glass available
- Standard one-piece body
- Various seal options are available

Materials

- Cast aluminium body
- Bronze Camlock arms
- Stainless steel pin and finger rings



4540 without sight glass



4540SGV with sight glass



4540ST

Size		Part Numbers	Description	Seal	Fuel Compatibility
mm	inch				
80	3	4530	4" API to 3" 22.5° drop adaptor, without sight glass	Baylast™ O-ring	Gasoline & Diesel, up to E100 & B100 Biodiesel
100	4	4540	4" API to 4" 22.5° drop adaptor, without sight glass		
		4540ST	4" API to 4" straight drop adaptor, without sight glass		
		4540F	4" API to 4" 22.5° drop adaptor, without sight glass	Nitrile Buna	
80	3	4530SGV	4" API to 3" 22.5° drop adaptor, with sight glass	FKM Flat Seal	Gasoline & Diesel up to B100 Biodiesel
100	4	4540SGV	4" API to 4" 22.5° drop adaptor, with sight glass		
		4540V	4" API to 4" drop adaptor, without sight glass	FKM O-ring	
80	3	4530G	4" API to 3" drop adaptor, without sight glass	Nitrile Buna Flat Gasket	Gasoline & Diesel, up to E100 & B100 Biodiesel
100	4	4540G	4" API to 4" drop adaptor, without sight glass		

Product Group: AS02

Replacement Parts

Part Numbers	Description	To Suit
4500RK	O-ring, arms, pins & Baylast™ O-ring	4530 & 4540
4500RK-V	Arms, pins & FKM O-ring seal	4540V
5205-RK4	Chain & S hook	All
4540SG-RK1	Sight glass repair kit	4530SGV & 4540SGV
4540SG-RK2	Flat Baylast™ gasket	4530SG & 4540SG
4540SG-RK3	Arms, pins & ring	4530SGV & 4540SGV
4500-5	Baylast™ O-ring	4530 & 4540
112054	Nitrile Buna flat gasket	4530G & 4540G

Product Group: AS02



4540SG-RK1



4540SG-RK3

API Dust Caps 100mm (4")






Part Numbers			
5205	5000-24	5000-24L	5000-25
Aluminium with flat seal & nylon quick release lever	Aluminium cap with O-ring gasket	Aluminium cap lockable With O-ring seal	Nylon cap with flat gasket, pad lockable arm

Product Group: AS02


4500RK


5205-RK3

Replacement Parts

Part Numbers	Description	To Suit
4500RK	Baylast™ O-ring, arms, pins & rings	5000-24
4500RK-V	FKM O-ring seal, arms, pins & rings	5000-24
4500-5	Baylast™ O-ring	5000-24
4500-7	FKM O-ring	5000-24
325-P	Pin	All
5000-25RK1	Flat seal	5000-25
5000-25RK2	Arm sub assembly	5000-25
5205-RK1	Flat seal	5205
5205-RK2	Arms & pins	5205
5205-RK3	Roller & pins	5205
5205-RK4	Chain & S hook	All
341836	Lockable arm with ring	5000-24L
5000-24LRK	O-ring, lockable cam arms & pins	5000-24L

Product Group: AS02

Lockable Dust Caps


AL400DC-L

Size		Part Numbers	Description
mm	inch		
50	2	AL200DC-L	Aluminium with lockable handles
80	3	300-DC-ALPH	Aluminium with pull handle
80	3	AL300DC-L	Aluminium with lockable handles
100	4	400-DC-ALPH	Aluminium with pull handle
100	4	AL400DC-L	Aluminium with lockable handles
150	6	AL600DC-L	Aluminium with lockable handles

Brass & stainless steel also available - page 93

Product Group: AL12

Dust Plug


400-DP-ALPH

Size		Part Numbers	Description
mm	inch		
80	3	300-DP-ALPH	3" Aluminium with pull handle
100	4	400-DP-ALPH	4" Aluminium with pull handle

Product Group: AL12

Air Interlock Valves - Standard


5000AIR


5000AIHD


5000AIV


5000AIRHD


5000AIVHD

Part Numbers	Description	Use	Seal
5000AIST	1½" Button plunger pneumatic interlock	-	Baylast™
5000AIR	Roller ball plunger pneumatic interlock	On cabinet doors	Baylast™
5000AIS	1" Button plunger pneumatic/electronic interlock	Lights or the overfill detection system	Baylast™
5000AIV	Paddle plunger pneumatic interlock	VR4000 vapour valve	Baylast™
5000AIHD	Heavy duty, high flow air ports	Same foot print as 5000AI	Baylast™
5000AIRHD	Roller end for various angles, large air ports	-	Baylast™
5000AIVHD	Heavy duty air interlock with paddle plunger	-	Baylast™

Product Group: AS02

Hazchem Safety Signs (EIP)

Application

- Dixon's™ lightweight Hazard Safety Sign (Emergency Information Panel) displays 4 dangerous goods placards in compliance with government requirements for the transport of dangerous goods.

Features

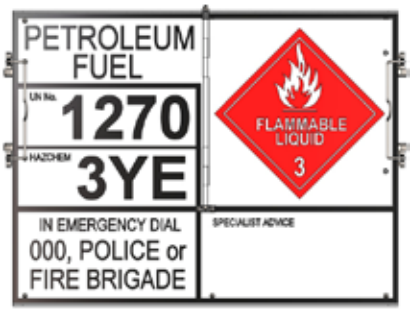
- Lightweight
- Spring clips on each side to secure in place
- Six rubber buffers to prevent vibration and placard contact
- Replaceable flip panels
- Capacity to display up to 4 dangerous goods

Approvals

- Designed to comply with Australian Dangerous Goods Code/Australian Code for the Transport of Dangerous Goods by Road and Rail

Material

- Frame - Aluminium, powder coated
- Main panel - Aluminium, powder coated
- Flip panels - Aluminium, powder coated
- Latch - Stainless steel
- Buffers - Rubber



Fuel/Petroleum Safety Sign
DBHSLS



Bitumen Safety Sign
DBBITHSL

Part Numbers	Description
DBHSLS	Fuel/petroleum safety sign (EIP) - single
DBHSLSET	Fuel/petroleum safety sign (EIP) - set of 3
DBBITHSL	Bitumen safety sign (EIP) - single

Product Group: AS02

TTMA Series Flange Adaptors

Application

- For use with petroleum tankers, for welding to 80mm (3") & 100mm (4") TTMA aluminium pipe.

Features

- Simply and easily converts threaded components to a standard TTMA flange configuration
- Solid cast lightweight aluminium design is more durable than welded fabrications
- Design improves flow through the adaptor
- Compact size reduces the overall space needed to install

Design

- All quality built for dependable long life service
- Standard 80mm (3") and 100mm (4") TTMA bolt pattern
- Machined sealing surface for superior gasket sealing
- 80mm (3") TTF3AL bolt circle diameter - 4.875"
- 100mm (4") TTF4AL bolt circle diameter - 5.875"

Materials

- Aluminium



TTMA Flange x Male NPT Adaptors

Size (mm)		Part Numbers	Material	Overall Length (mm)
TTMA Flange	Male NPT			
80	80	TTF3AL-3MT	Aluminium	63.5
100	80	TTF4AL-3MT	Aluminium	63.5
	100	TTF4AL-4MT	Aluminium	63.5

Product Group: AS02



TTMA Flange x Extended Length Male NPT Adaptors

Size (mm)		Part Numbers	Material	Overall Length (mm)
TTMA Flange	Male NPT			
100	80	TTF4AL-3EMT	Aluminium	139.7
	100	TTF4AL-4EMT	Aluminium	139.7

Product Group: AS02



TTMA Flange x Female NPT Adaptors

Size (mm)		Part Numbers	Material	Overall Length (mm)
TTMA Flange	Male NPT			
100	80	TTF4AL-3FT	Aluminium	63.5
	100	TTF4AL-4FT	Aluminium	63.5

Product Group: AS02



TTMA Slip-on Socket Weld Flange

Size (mm)		Part Number	Material
TTMA Flange	Pipe Size		
100	100	TTF400SP	356T6 Aluminium

Product Group: AS02



TTMA Flange

Size (mm)		Part Numbers	Thickness (mm)	Material
TTMA Flange	Pipe Size			
80	100	TTF3AL	10	Aluminium
100	100	TTF4-100AL	10	Aluminium
100	100	TTFS4SS	10	Stainless Steel

Product Group: AS02

Cam & Groove Adaptor x TTMA Flange

Application

- Used on load arms to connect an API load coupler to a load arm.

Features

- Aluminium flanges have a flat face, stainless flanges have a raised face
- 316 stainless steel flanges are produced as a welded fabrication
- Pressure rating is based on the seal of the mating part

Adaptor Size		Part Numbers	Material
mm	inch		
80	3	300-ALT-AL	356T6 Aluminium
80	3	300-ALT-SS	316 Stainless Steel
80 x 100	3 x 4	3040ALTAL	356T6 Aluminium
100	4	400-ALT-AL	356T6 Aluminium
100	4	400-ALT-SS	316 Stainless Steel
150	6	600-ALT-AL	356T6 Aluminium

Product Group: AS02



Stainless Steel



Aluminium

Cam & Groove 22½° Adaptor x TTMA Flange

Adaptor Size		Part Number	Material
mm	inch		
100	4	40022ALTAL	356T6 Aluminium

Pressure rating is based on the seal of the mating part

Product Group: AS02



Cam & Groove Coupler x TTMA Flange

Features

- Supplied standard with a Nitrile Buna-N gasket, other gaskest available - page 107

Coupler Size		Part Numbers	Material
mm	inch		
80	3	300-DLT-AL	356T6 Aluminium
80 x 100	3 x 4	3040DLTAL	356T6 Aluminium
100	4	400-DLT-AL	356T6 Aluminium
150	6	600-DLT-AL	356T6 Aluminium

Use Dixon™ replacement handles only

Product Group: AS02



Cam & Groove 22½° Coupler x TTMA Flange

Features

- Supplied standard with a Nitrile Buna-N gasket, other gaskest available - page 107

Coupler Size		Part Number	Material
mm	inch		
100	4	40022DLTAL	356T6 Aluminium

Use Dixon™ replacement handles only

Product Group: AS02



EZ Boss Lock Vapour Recovery Coupler with Probe x TTMA Flange



Coupler Size		Part Number	Material
mm	inch		
100	4	ADLTVR400EZ	356T6 Aluminium

Product Group: AS02

TTMA Flange Spacer with 12.7mm (1/2") Port



Size		Part Number	Description
mm	inch		
100	4	TTFS4AL-FP50	Flange spacer with 12.7mm (½") female NPT port

Product Group: AS02

Betts Wet-R-Dri™ TTMA Flanged Butterfly Valves

Application

- This easily maintained and versatile valve is widely used for liquid, gaseous or dry products. Lightweight and compact quarter turn in-line stop valve.
- The manual detent model provides a positive stop in the open and closed position, as well as a detent spring and ball which assists in holding the disc in the open or closed position.
- The manual metering/locking valve provides an eight-position metering locking handle, which holds the disc in the desired position.

Features

- Can be mounted in any position with the handle located for easy operation
- Standard right-hand operation opens by turning the handle quarter turn counter-clockwise and left-hand operation
- The bolt pattern matches TTMA piping flange dimensions
- Gasoline and diesel, up to E100 & B100 biofuel compatible
- Disc seal and shaft O-rings are available in a variety of materials to optimise chemical resistance and service temperature range

Working Pressure

- Maximum working pressure 75 PSI



Detent Version

Lever Operated

Size		Part Numbers	Operated	Description
mm	inch			
80	3	WD301ALVB	Detent	3" TTMA flanged, open/closed, FKM
		WD306ALVB	Metered	3" TTMA flanged, 10 notch index plate
100	4	WD401ALVB	Detent	4" TTMA flanged, open/closed, FKM
		WD406ALVB	Metered	4" TTMA flanged, 10 notch index plate

Product Group: AS02



Metered Version

Replacement Parts

Part Numbers	Description	Operated
WD401AL-HA	Handle Assembly	Detent
WD406AL-HA	Handle Assembly	Metered

Product Group: AS02



Actuated

Dual Actuated

Size		Part Numbers	Description
mm	inch		
80	3	WD306ALVB-ACTDA	3" TTMA
100	4	WD406ALVB-ACTDA	4" TTMA

Product Group: AS02

Tank Truck Flange Gaskets

Size		Part Numbers	mm			Material
mm	inch		OD	ID	THK	
80	3	300GTTFCB	142.88	88.9	3.175	Cork/Buna
		300GTTFTK	142.88	88.9	1.587	PTFE envelope with Klinger filler
		300GTTFK	142.88	88.9	3.175	Klingersil® C-4300
		40321TF	150.02	88.9	2.38	PTFE with fiber core
		40364TF	184.15	127	3.968	PTFE with soft fiber core
		40364BL	184.15	127	3.175	Baylast™
		300GTTFBL	142.88	92.08	3.175	Baylast™
100	4	400GTTFCB	168.28	115.89	3.175	Cork/Buna
		400GTTFTK	168.28	115.89	1.587	PTFE Envelope with Klinger filler
		400GTTFK	168.28	115.89	3.175	Klingersil® C-4401
		40322TF	174.63	115.89	2.38	PTFE with fiber core
		40323TF	212.73	149.23	3.968	PTFE with soft fiber core
		40323BL	209.55	149.23	3.175	Baylast™
		400GTTFBL	168.28	117.45	3.175	Baylast™





400GTTFBL

Product Group: AS02

Dixon™ has completed several years of testing and engineering evaluations to ensure our products are compatible with all modern motor fuels in use today.

Dixon™ uses a proprietary seal compound that we refer to by the trade name Baylast™. Baylast™ has been tested both in the laboratory and in the field with excellent results. Baylast™ was developed so we could offer a single seal material compatible with the wide range of alternative fuels used today.

Many Dixon Bayco™ products have been using Baylast™ seals to ensure compatibility with alternative fuels including ethanol, ethanol blends, biodiesel blends, low sulphur diesel, and standard refined fuels.

Dixon Bayco™ seals are fully compliant with current Safe Load Pass (SLP) regulations currently in place in the Australian marketplace.



Emergency Valve - Petroleum

Application

- Dixon Bayco™ emergency valves are designed for use on road tankers to facilitate safe and efficient loading and discharge of tank contents.

Features

- Quick action high lift sequentially operated pneumatic ram ensures maximum emergency valve opening for optimal flow rates
- The main body includes a shear groove designed to break below the valve in the event of an impact. This feature is designed to retain tank contents should the tanker be struck from the underside
- Easily serviced, air ram is replaceable in situ without the need to remove the entire valve from the tanker, main poppet assembly is easily replaced once the valve is removed from the tanker

Material

- Aluminium construction
- Steel springs and fasteners
- Stainless steel shaft and roller
- Baylast™ seals

Fuel Compatibility

- Biofuels vapour compatible up to E100 (100% Ethanol) & B100 (100% biodiesel)



Part Number	Description
DBFVPET	Emergency valve assembly with air actuator

Product Group: AS08



Part Number	Description
DBFVPETACT	Replacement air actuator to suit fuel foot valve with Baylast™ O-ring, Baylast™ flat gasket, bolts & washers

Product Group: AS08

Replacement Parts



Part Numbers	Description
DBFVAO210K2	Replacement bonded disc hinge kit to suit DBFVPET
DBFVAO210K3	Baylast™ flat gasket to suit DBFVPETACT
DBFVK4	Baylast™ O-ring to suit DBFVPETACT

Product Group: AS08



40417BL 40418BL

Part Numbers	Description
40417BL	Tank flange gasket, Baylast™ to suit DBFVPET
40418BL	Outlet flange gasket, Baylast™ to suit DBFVPET

Product Group: AS08



Part Numbers	Description
DBFVTF210	Weld-in tank flange, aluminium to suit DBFVPET with studs & fasteners
DBFVOF4-100	Weld-in outlet flange, aluminium to suit DBFVPET suits 4" & 100mm wetlegs with fasteners

Product Group: AS08

Emergency Valve - Chemical

Application

- Dixon Bayco™ emergency valves are designed for use on road tankers to facilitate safe and efficient loading and discharge of tank contents.

Features

- Quick action high lift sequentially operated pneumatic ram ensures maximum emergency valve opening for optimal flow rates
- The main body includes a shear groove designed to break below the valve in the event of an impact. This feature is designed to retain tank contents should the tanker be struck from the underside
- Easily serviced, air ram is replaceable in situ without the need to remove the entire valve from the tanker, main poppet assembly is easily replaced once the valve is removed from the tanker

Material

- Aluminium construction
- Steel springs & fasteners
- Stainless steel shaft & roller
- Baylast™ & FFKM O-rings

Part Number	Description
DBFVCT	Dixon™ Bayco™ FFKM foot valve with air actuator Product Group: AS08



Part Number	Description
DBFVCTACT	Replacement chemtrim actuator with FFKM O-ring, bolts, & washer Product Group: AS08



Replacement Parts

Part Numbers	Description
DBFVCTMD	Bayco™ chemtrim foot valve main disc (no O-ring)
DBFVCTORK1	Bayco™ chemtrim foot valve FFKM main disc O-ring
DBFVCTAORK2	Bayco™ chemtrim foot valve actuator pad FFKM O-ring Product Group: AS08



Part Numbers	Description
DBFVCTOG	Bayco™ chemtrim foot valve outlet gasket rectangle goretex
DBFVCTTG	Bayco™ chemtrim foot valve tank gasket round goretex Product Group: AS08



DBFVCTTG DBFVCTOG

(Colour White)

Side Seal Drop Elbow

Product Delivery

Application

- Used for product delivery. For use with standard 100mm (4") side seal style fill collars only. Connects to tanker at the station.

Features

- Modular, easy repair, bolt-on construction
- Comes with acrylic sight glass, nitrile buna seals, and bronze arms
- Choice of 80mm (3") or 100mm (4") inlets
- Available with anti-spill sleeve
- Locking rings available

Material

- Aluminium

Fuel Compatibility

- Gasoline, diesel, USLD, E10, E20, E85, E100, B2, B20



Part Numbers	Description
6000AS	Elbow only - no inlet
6000ASC	Elbow with 80mm (3") inlet
6000ASA	Elbow with 100mm (4") inlet
L2373	Lip seal to suit 6000 series
62000SGK	Sight glass kit with seals
6000SSHK	Arms, springs, pins, and retaining rings to suit 6000AS
LIQ04-A2310	Arms
AS156	Nitrile Buna O-ring for between retail connection & elbow
4433	Baylast™ sight glass seal
110319	Nitrile Buna O-ring to suit 6000 series elbow inlet adaptors

Product Group: AS02

Elbow Inlets

Product Delivery

Application

- Used for product delivery. For 6000, 6000AS, 6200 & 6500 Elbows. Bolt-on easy to install or replace.

Features

- Comes with stainless steel cap screws x 4

Material

- Aluminium

Fuel Compatibility

- Gasoline, diesel, USLD, E10, E20, E85, E100, B2, B20



Female

Male

Size		Part Numbers	
mm	inch	Male	Female
80	3	6000-16	6000-14
100	4	6000-17	6000-15

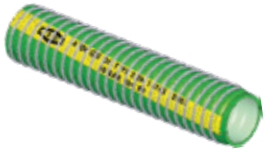
Product Group: AS02

Composite Hoses

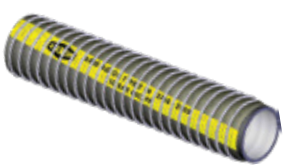
Refer to Section B - Composite Hose & Fittings

Application

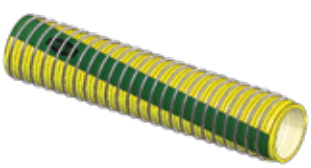
- Designed for suction and discharge use on plant or road/rail tankers with a wide range of hydrocarbons where 100% aromatic resistance is required. Refer to section B - for the full range of composite hose & fittings range.



Code 1000



Code VRH



Code 1003

In-Ground Tank Adaptors & Caps

Product Delivery

Application

- When fuel is delivered to the station, the fuel delivery and vapour recovery elbows, are connected to the in-ground tank adaptors. There are two types that do not interchange,
  - is for fuel delivery using either standard or coaxial delivery elbows
  - is for the vapour recovery elbows
- The delivery adaptor is threaded onto the in-ground tank fuel inlet, and the vapour adaptor is threaded to the in-ground tank vapour outlet connection. To prevent contamination and fuel evaporation, the tank adaptors are capped with T-handle caps.when not in use.

Features

Delivery Adaptors

- Available with 4" NPS or 4" NPT threads, with 3½" or 2⅜" heights
- Rugged brass cast construction

Delivery Adaptor Caps

- Designed to fit fuel delivery Adaptors only
- Rugged durable construction aluminium or bronze bodies, with bronze push-pull T-handle
- Protect the delivery Adaptor, and prevent fuel contamination evaporation and tampering
- Pad lockable

Vapour Adaptors

- Rugged brass cast construction
- With outlet poppet valves to prevent fuel vapours from escaping. The poppet opens when the vapour elbow is connected
- Can be used as the vapour valve on a fuel tanker

Vapour Adaptor Caps

- Designed to fit fuel vapour adaptors & truck mounted vapour valves
- Coloured orange to signify vapour connection
- Durable and lightweight construction aluminium or nylon bodies, with push-pull T-handle
- Protect the vapour adaptor, prevent fuel contamination & tampering
- Pad lockable

Standards

- Manufactured with 100mm (4") pipe threads to connect to in-ground fuel station tanks, then provide an interface to connect the top deal fuel drop or vapour recovery elbows

Material

- Adaptors are produced from brass
- Caps are produced in aluminium, bronze or nylon
- Nitrile Buna seals

Fuel Delivery Adaptors

Features

- Available with 4" BSP threads with 3½" or 2⅜" heights
- Rugged brass cast construction

Size		Part Numbers	Female Thread	Material
mm	inch			
80	3	DBUTC3	BSP	Brass
100	4	DBUTC4	BSP	Brass

Product Group: AS02



Fuel Delivery Caps

Features

- Designed to fit fuel delivery adaptors only
- Rugged durable construction aluminium, with bronze push-pull T-handle
- Protect the delivery adaptor, and prevent fuel contamination

Size		Part Numbers	Material	Description
mm	inch			
80	3	DBUTC3C	Aluminium	Bronze push-pull T-handle, Nitrile Buna gasket
100	4	DBUTC4C	Aluminium	

Product Group: AS02



Vapour Recovery Elbow

Application

- Dixon's™ vapour recovery elbow facilitates the transfer of fuel from a tanker to a retail outlet or storage facility. It is designed to connect the tanker vapour hose to the service station storage adaptor. This creates a sealed connection that enables the recovery and containment of vapour emissions. Ensuring compliance with regulations regarding emissions control and safety standards.

Features

- Durable and lightweight aluminium construction
- The use of spring-loaded levers, connections and disconnections are made simple and secure
- No special tools are required for maintenance

Material

- Aluminium body
- Aluminium valve
- Brass levers
- Baylast™ seals



Size (inch)		Part Number
inlet	outlet	
3	4	DBVRE300

Product Group: AS02

Vapour Recovery Adaptors

Features

- Rugged bronze or Bayloy™ cast construction
- With outlet poppet valves to prevent fuel vapours from escaping. The poppet opens when the vapour elbow is connected
- Can be used as the vapour valve on a fuel tanker



Size		Part Numbers	Thread (inch)	Material	Height (mm)	Vapour Poppet
mm	inch					
100	4	VRUTC400	3 FBSP	Brass	110	✓

Product Group: AS02

Vapour Recovery Caps

Features

- Designed to fit fuel vapour adaptors and truck-mounted vapour valves
- Coloured orange to signify vapour connection
- Durable and lightweight construction aluminium or nylon bodies, with push-pull T-handle
- Protect the vapour adaptor, prevents fuel contamination and tampering
- Pad lockable



VR4050AL



VR4050PL

Size		Part Numbers	Material	Description
mm	inch			
100	4	VR4050AL	Aluminium	Orange, push-pull T-handle, buna gasket
100	4	VR4050PL	Nylon	Orange, push-pull T-handle, buna gasket
100	4	VR4050ALC	Aluminium	Orange, push-pull T-handle, buna gasket
100	4	VR4050PL-1200	Nylon	Orange, push-pull T-handle, buna gasket

Product Group: AS02

Vapour Return Valves

Application

- Used for product delivery. For use with standard 100mm (4") side seal style fill collars only. Connects to tanker at the station.

Features

- The bulb design for maximum vapour flow (low resistance) for fast loading of tankers
- Has angled acrylic sight glasses x 2, and a drain plug
- Allows viewing and drainage of fluids in system
- 100mm (4") adaptor with poppet valve
- 100mm (4") TTMA connection

Material

- Quality cast aluminium construction

Fuel Compatibility

- Gasoline, diesel, up to E100 & B20 biofuels

Size		Part Numbers	Description
mm	inch		
100	4	VR4000	Vapour return valve TTMA flange bulb design
		VR4100	Vapour return valve
		VR4100F	Vapour return valve TTMA flange with sight glass

Product Group: AS02



VR4000



VR4100



VR4100F

Replacement Parts

Part Numbers	Description
VR4000-4	Sight glass to suit VR4000
5204K8	Sight glass repair kit for VR4100F

Product Group: AS02

Hose Tube Doors

Application

- When not in use fuel delivery hoses are often stored in tubes that run the length of the tanker, to keep the hoses in the storage tubes they have a sealed cap on one end and a hinged tube door welded on the other end to keep the hoses in the storage tubes secure when not in use.

Features

- Pad lockable
- Keeps fuel delivery hoses neatly and safely stored in the designated storage tubes
- Helps to protect the expensive delivery hoses and fittings from road dirt, salt, and other environmental factors

Material

- Aluminium body
- Nitrile Buna seals
- Stainless steel door closure spring and hardware
- Nylon bushing

Standards

- Manufactured to weld to 150mm (6"), 175mm (7") or 200mm (8") hose tubes

Size		Part Numbers	Description
mm	inch		
150	6	TDF6	6" hose tube door
175	7	TDF7	7" hose tube door
200	8	TDF8	8" hose tube door

Product Group: AS02



TDF6



TDF7



TDF8

Grounding Ball & Bolt



Part Numbers	Description
FT450	Ground verification bolt
FT451	Ground verification bolt

Product Group: AS02

Reelcraft® Static Discharge Reel

Application

- Used to ground equipment in hazardous atmospheres, such as fuel trucks or carts transferring flammable materials. When properly clamped to the ground, the static discharge reel dissipates static electrical buildup and reduces the chances of sparking and the potential for explosion.

Features

- Supplied with a 3/32" OD steel aircraft cable
- DC resistance is approximately 1 ohm per 50° of steel cable



Part Number	Description
G3050	Single 178mm x 178mm (7" x 7") standed steel

Product Group: AS02

Aluminium Ladder Step

Features

- Contoured tube connections to aid welding
- For 50mm (2") tubing, 330mm (13" wide)
- Serrated to provide a safe, sure grip, and anti-slip tread
- Allows easy safe ladder access to the top of the tanker



Part Number	Description
15S	Ladder step for 50mm (2") tubing

Product Group: AS02

Top Operator Camlift - Manual Operation

Application

- Dixon™ Bayco™ Camlifts are designed for use on road tankers specifically where opening and closing of the emergency valves is required from the tanker walkway.

Features

- Quick action high lift mechanism ensures maximum emergency valve opening
- Designed to interchange with other brands commonly found in the Australian market
- Mounts direct to tanker walkways or separate weld-in flange

Material

- Aluminium construction
- Acetal guides
- Stainless steel shaft, spring & fasteners
- Baylast™ seals & cork/buna gasket

Fuel Compatibility

- Biofuels compatible up to E100 (100% Ethanol) & B100 (100% biodiesel)



DBCO402TF



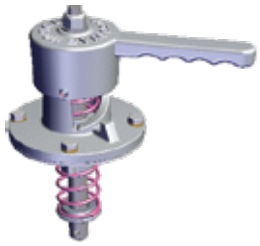
DBCO402-4



DBLWKIT

Part Numbers	Description
DBCO402	Manual camlift assembly with gasket & fasteners
DBCO402TF	Weld in tank flange to suit DBCO402
DBCO402-4	Cork buna flange gasket to suit DBCO402
DBLWKIT	Life wire kit, stainless steel with cable, shackles & swivel

Product Group: AS02



DBCO402

Vapour Recovery Vent

Application

- Dixon™ Bayco™ vapour recovery vents are designed for use on road tankers specifically set up for bottom-loading applications to allow adequate venting during loading or unloading.

Features

- Installed to operate in sequence with other pneumatically controlled devices such as emergency valves & guard bar interlocks, or open independently by simply plugging in the air out port
- Inward opening poppet ensures compartment pressure is maintained & product retention during transit
- Designed to interchange with other brands commonly found in the Australian market
- Mounts direct to manholes or tanker walkways

Material

- Aluminium construction
- Acetal guides
- Stainless steel pistons & fasteners
- Baylast™ seals & cork/buna gasket

Fuel Compatibility

- Biofuels vapour compatible up to E100 (100% Ethanol) & B100 (100% biodiesel)

Part Numbers	Description
DBVR6410	Vapour vent sequential operation with gasket & fasteners
DBVR6410-12	Cork buna flange gasket to suit DBVR6420

Product Group: AS02



Vent Hose

Application
- This antistatic rubber hose is designed for vapour discharge for fuel tank truck hatch vapour vents.

Tube
- Nitrile Buna Rubber (NBR)

Reinforcing
- High-strength synthetic cord

Cover
- Black smooth wrapped synthetic rubber - weathering & oil resistant

Temperature
- -20°C to 70°C



Part Numbers	Dimensions (mm)		Working Pressure		Weight (kg/mtr)	Length (mtr)
	ID	OD	PSI	Bar		
DBVH090	90	101	72	5	2	1
DBVH090060	90	101	72	5	2	60

Product Group: AS02

Dip/Fill Tube Adaptor Kits & Blank Plates

Application
- Dixon™ Bayco™ dip and fill tubes and adaptor kits are designed for use on tanker compartments fitted with dip & fill fittings. Dip and fill tube blank plates are used where tankers are not fitted with dip or fill tubes.

Features
- Designed to interchange with other brands commonly found in the Australian market
- Mounts direct to manholes or tanker walkways

Material
- Aluminium construction
- Stainless steel fasteners
- Cork/buna gasket



Dip/Fill Tube Adaptor Kit

Size (mm)	Part Number	Description
80	DBDFA80	Dip/fill tube adaptor kit with gasket & fasteners

Product Group: AS02


For Lockable Dust Caps refer to page 598



Blank Plate

Size (mm)	Part Number	Description
80	DBBP80	Dip/fill blank plate kit with gasket & fasteners

Product Group: AS02



DBDT80-2200



DBFT80-2200

Tubes

Size (mm)	Part Numbers	Description
80	DBDT80-2200	Dip tube 2200mm long with gauze
80	DBFT80-2200	Fill tube 2200mm long with gauze

Product Group: AS02



Dip/Fill Steady

Size (mm)	Part Number	Description
80	DBTS80	Dip/fill steady, aluminium with stainless steel fasteners

Product Group: AS02

Tube Guide

Size (mm)	Part Number	Description
80	DBDTG80	Dip tube guide, weld on tank floor

Product Group: AS02



Replacement Parts

Size (mm)	Part Numbers	Description
80	2459CB	Cork buna gasket to suit dip/fill tube adaptors & blank plates
80	DBDTG80SP	Dip tube guide with additional striker plate fitted, weld to tank floor
80	DBDTG-SP	Replacement striker plate to suit DBDTG80
80	DBDTG80-1	Replacement anti-rattle buffer to suit DBDTG80

Product Group: AS02

Pressure Vaccum Vent

Part Numbers	Description
DBPVV1	Pressure vaccum vent
DBPVVG	Gauze
DBPVVB	Bolts
DBPVVCG	Cork gasket
DBPVVSRK	Seal repair kit

Product Group: AS02



Dixon™ Bayco™ Probe Holder

Application

- Dixon Bayco™ probe housing in designed for use on tanker hatches.

Features

- Designed to interchange with other popular brands commonly found in the Australian market
- Mounts directly to manholes or tanked walkways

Material

- Aluminium construction

Associated Equipment

- FT150A Overfill probe

Part Numbers	Description
DBPH	Probe holder assembly
341905	Probe holder housing
112454	Buna-cork gasket
112328	Stainless steel bolt M8 x 25mm long
112329	Stainless steel split washer

Product Group: AS02



Flotech™ Checkmate Overfill Detection Probe

Application

- The FT150 thermo-optic 2-wire probe is electronically and mechanically compatible for drop-in replacement of commonly used 2-wire probes with black and white wires. The FT150 provides the fast response and reliability of optic technology in a thermistor application.

Features

- All Flotech™ brand probes come with a unique dual elastomer seal for prisms and a smooth tapered tip design for easy installation without gasket damage



Part Numbers	Description
FT150A	7" (178mm) replacement probe, thermo-optic, 2-wire
FT150-18	18" (457mm) replacement probe, thermo-optic, 2-wire
FT150-60	60" (1525mm) replacement probe, thermo-optic, 2-wire

Product Group: AS06

Flotech™ Checkmate Overfill Detection Probe - Stainless Steel

Application

- The Flotech™ stainless steel probes and sensor housings are designed to be used with chemicals. All wetted services are 316 stainless or PTFE. These probes are designed to thread onto a DOT 407 tan 80mm (3") clean-out nipple. The sensor length can be adjusted using 20mm (¾") NPT pipe nipples.



FT150S



FT191S

Part Numbers	Material	Description
FT150S	316 Stainless Steel	7" (178mm) 2 wire, overfill probe only
FT150SK	316 Stainless Steel	7" (178mm) 2 wire, overfill probe with 2 x O-rings
FT191S	316 Stainless Steel	Probe housing, 80mm (3") nps female thread

Product Group: AS06

Flotech™ Checkmate Overfill Detection Sensor

Application

- Install in a 50mm (2") NPT tapped hole or 60.3mm (2⅜") hole using the gasket and locking nut provided. Compatible with Scully Intellicheck monitors (probe housing is part #FT9000).

Features

- The FT151 thermo-optic sensor contains the FT150 probe and a 50mm (2") NPT housing

Material

- The probe holder is cast aluminium with a 50mm (2") NPT mounting thread
- Heavy-duty stainless steel hardware, and FKM probe seal
- All screws and rings are heavy-duty stainless steel for easy assembly and long life



Part Number	Description
FT151	Replacement 2-wire probe & 2" (50mm) NPT mount housing
FT9000	Replacement sensor housing 2" (50mm) NPT male thread

Product Group: AS06

Flotech™ Checkmate Sensor Dummy



Part Number	Description
FT155A	Thermistor sensor dummy (each dummy adds up to 5 compartments)

Product Group: AS06

Flotech™ Truck Tester

Application

- Allows complete testing of ground bolt grounding systems. Tests ground bolt in forward and reverse just like the rack monitor.

Features

- Reads TIM modules & displays the serial number on the screen
- Automatic mode allows all four tests, or any combination, to run for a complete test of the trailer
- LCD screen displays the final test results & a pass/fail indication for easy rapid testing of the overfill system
- One man 'Wet Test' feature FT555 signals an audible alarm sounding a number of beeps that match the wetted sensor
- Microprocessor controlled with designed-in flexibility to expand into a number of applications
- Requires two D-cell flashlight batteries that can be changed through a side battery access door

Part Number	Description
FT555PW	Truck tester

Product Group: AS06



FloTech™ FT690 Series Rack Monitor Testers

Part Numbers	Description
FT590TG	Rack tester with grounding bolt
FT590TGT	Rack tester thermistor
FT590OG	Rack tester with ground bolt
FT590OGT	Rack tester with ground bolt & trailer identification module

Product Group: AS06



Flotech™ Checkmate Retain Sensor

Application

- The FT152 is mechanically and electrically compatible with Scully model 08819 and the Scully Intellicheck® system.

Features

- The FT152 retain sensor is a bottom retain detection sensor
- The sensor has a 12mm (½") NPT mounting
- The side ports come out of the same side (like the overfill sensors) to make wiring easier
- The main sensor portion is stainless steel to prevent galling in the trailer
- The wiring box is plastic to prevent corrosion and is removable to facilitate installation

Material

Part Number	Material	Description
FT152	316 Stainless Steel	Retained fluid (belly) sensor, 2-wire black and white

Product Group: AS06



Flotech™ Checkmate System Onboard Monitor

Application

- The FT208 Checkmate is compatible with the Scully brand black and white 2-wire thermo-optic (thermistor) overfill and retain system. Components are drop-in replacements and compatible with the signal format required by the Scully Intellicheck brand onboard monitors. Easy to follow programming guide for a maximum of eight compartments, programmable for the number of compartments, top only, top and bottom service with the same monitor.

Part Number	Description
FT208LH	Checkmate monitor, programmable for top only, or top & bottom sensors, with housing

Product Group: AS06



Truck Plugs/Sockets

Application

- Sockets allow the transfer of the electronic signal from the terminal control monitor to the tanker and return. Sockets will vary depending on terminal equipment and regional regulations. Flotech™ brand sockets are mechanically and electronically compatible with the API RP1004 Rel. 2003 bottom loading specification.

Features

- Sockets are now available with optional stainless steel a removable nose ring
- Replacement faceplate assemblies are drop-in replacements on all industry standard socket bodies

Material

- Optic socket face plates are standard with hard-coated aluminium alloy to prevent J-slot wear
- Optional stainless steel versions offer extended service life through reduced J-slot wear
- All hardware and contact buttons are stainless steel to prevent corrosion
- Flotech™ brand sockets are standard colour coded to permit easy identification)optic sockets are blue, and thermistors are green)
- Coloured caps are included for optic and thermistor models



Part Numbers	Description
FT304A	Optic socket, 10-pin & 4 J-slots, hardcoat aluminium nose cone
FT304SSA	Optic socket, 10-pin & J-slots stainless steel replacement nose
FT314A	Replacement face plate assembly 4 J-slots 10-pin with hardocat aluminium nose cone, blue optic cap
FT314SSA	Replacement face plate assembly 4 J-slots 10-pin, stainless steel nose cone with blue optic cap
FT320	Replacement blue optic cap with lanyard

Product Group: AS06

Overfill Kits



Part Numbers	Description
2COMPOVERFILLA	2 Compartment overfill kit with 2 x FT150A probes, 1 x FT304A truck plug socket, 1 x FT155A dummy probe
3COMPOVERFILLA	3 compartment overfill kit with 3 x FT150A probes, 1 x FT304A truck plug socket, 1 x FT155A dummy probe
4COMPOVERFILLA	4 Compartment overfill kit with 4 x FT150A probes, 1 x FT304A truck plug socket, 1 x FT155A dummy probe
5COMPOVERFILLA	5 Compartment overfill kit with 5 x FT150A probes, 1 x FT304A truck plug socket, 1 x FT155A dummy probe
6COMPOVERFILLA	6 Compartment overfill kit with 6 x FT150A probes, 1 x FT304A truck plug socket, 1 x FT155A dummy probe
7COMPOVERFILLA	7 Compartment overfill kit with 7 x FT150A probes, 1 x FT304A truck plug socket, 1 x FT155A dummy probe
8COMPOVERFILLA	8 Compartment overfill kit with 8 x FT150A probes, 1 x FT304A truck plug socket
3COMPOVERFILLSS	3 Compartment overfill kit with 3 x FT150A probes, 1 x FT304A SS truck plug socket, 1 x FT155A dummy probe
4COMPOVERFILLSS	4 Compartment overfill kit with 4 x FT150A probes, 1 x FT304A SS truck plug socket, 1 x FT155A dummy probe
5COMPOVERFILLSS	5 Compartment overfill kit with 5 x FT150A probes, 1 x FT304A SS truck plug socket, 1 x FT155A dummy probe
6COMPOVERFILLSS	6 Compartment overfill kit with 6 x FT150A probes, 1 x FT304A SS truck plug socket, 1 x FT155A dummy probe
7COMPOVERFILLSS	7 Compartment overfill kit with 7 x FT150A probes, 1 x FT304A SS truck plug socket, 1 x FT155A Dummy Probe
8COMPOVERFILLSS	8 Compartment overfill kit with 8 x FT150A probes, 1 x FT304ASS tuck plug socket

Product Group: AS06

A100 Outalarm® with Probe

Dixon™ ADSI* industrial fluid control manufactures products specifically designed for liquid terminal operations. Our standard product offering is shown on the following pages. However, there are numerous additional applications, materials, and custom designs available.

*Formerly Automated Design Service, Inc.

Application

- Specifically designed for liquid terminal operation on batch loading and overfill protection, tank cars, tanks trucks, and marine barges; suitable for open and closed domes.

Sizes

- 24", 36", 48", and 60" probe lengths are standard; other lengths available

Features

- Self-contained; no wires, tubing, or external power
- Rugged weather- and corrosion-resistant construction
- No moving parts, tip sensitive phase shift digital capacitance sensor for conductive and non-conductive fluid; conductivity sensor available for conductive fluids
- Requires no calibration or adjustment
- Adjustable insertion length through a standard 1/2" NPT fitting
- High-intensity audible and flashing visual outputs
- Optional optoisolated solid-state contact output
- Full, hard, graduated, laser-engraved rod
- A100 operates up to 2,500 hours on a single 9V alkaline battery in standby mode
- Fail-safe, continuous battery monitor goes to alarm state on low battery
- Battery current drain <0.23 mA during standby; <60 mA in alarm state

Materials

- Wetted materials: 316 stainless steel, PTFE standard, other materials available

Specifications

- Minimum dielectric constant: 1.8
- Temperature range:
  - Capacitance probe: -26°C to 121°C (-14°F to 250°F)
  - High-temp capacitance probe: -26°C to 163°C (-14°F to 325°F)
  - Outalarm® monitor: -40°C to 65°C(-40°F to 150°F)
- Activation point: 1/4" into a liquid surface
- Compatible with any liquid or dry bulk material with a dielectric constant of 1.8 or greater
- Horn intensity: 101 dB at 2ft
- Light output: three each 3,000 mcd high-intensity red flashing LEDs
- The pressure rating on standard unit: 50 PSI; consult Dixon™ for applications up to 300 PSI

Approvals

- Intrinsically safe design per ANSI/UL913 for Class I, Div I Groups A, B, C, and D Hazardous Areas



A100 Capacitance Probe

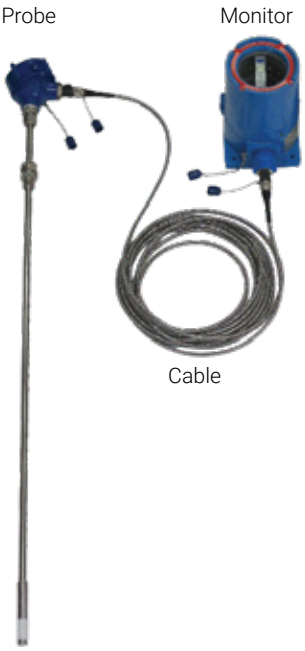
A100 Probe

Length (inch)	Part Numbers		
	Capacitance 250°F (121°C) Max	Hi-temp Capacitance 325°F (163°C) Max	Conductivity for Conductive Fluids[1]
12"	A100C12A	A100HC12A	A100CSS12A
24"	A100C24A	A100HC24A	A100CSS24A
36"	A100C36A	A100HC36A	A100CSS36A
48"	A100C48A	A100HC48A	A100CSS48A
60"	A100C60A	A100HC60A	A100CSS60A
72"	A100C72A	A100HC72A	A100CSS72A
84"	A100C84A	A100HC84A	A100CSS84A

[1]Material to be sensed must be specified at time of order.

Product Group: AS27

ADS Spillguard® System



Application

- Shutdown and alarm system for tank cars, tank trucks, barges, and ships.
- Suitable for open and closed domes.

Sizes

- Standard cable lengths: 4.57mtrs (15ft), 7.62mtrs (25ft), and 15.25mtrs (50ft); other lengths available
- Insertion lengths: 4" to 60" standard; other lengths available

Features

- Rugged, explosion-proof, weather, chemical, and corrosion-resistant
- LED status lights visible through the glass cover
- Inserts into the tank through standard 1/2" NPT fitting
- The probe can be portable or permanently installed in the vessel
- Laser-engraved graduated rod with 1/4" graduations
- Probe-to-controller cable protected by stainless steel interlocking armor sheath and heavy-duty latching connectors at both ends
- Fail-safe design: unit trips in the event of an open or shorted cable or loss of power
- Choice of capacitance, conductivity, or single-point ultrasonic sensors
- Input power: 120 VAC, 240 VAC, or 24 VDC, 2.5 watts
- Output relay de-energises on high-level, broken, or shorted sensor cables, or loss of power
- Sensor excitation open circuit voltage 8 VDC, short circuit current 8 mA with built-in FM-approved barrier
- Optional self-test feature, tilt and ground verification interlocks, and latching circuit available

Materials

- Wetted materials: 316 stainless steel and PTFE standard, other materials available
- Controller housing: NEMA 4X, NEMA 7, Explosion proof, Class I, II, Groups B, C, and D

Specifications

- Minimum dielectric constant: 1.8
- Temperature range:
- Capacitance probe: -14°F to 250°F (-26°C to 121°C)
- High-temp capacitance probe: -14°F to 325°F (-26°C to 163°C)
- Probe pressure rating: 50 PSI with standard fitting; consult Dixon™ for applications up to 300 PSI
- Sensor suitable for Class I, II, III, Div 1, Groups A, B, C, and D when used with supplied controller and cable lengths of 10,000' or less
- Output relay dry contacts 2 form C (2PDT) rated 2 amps at 120/240 VAC, 1 form C (SPDT) with optional latching circuit and reset switch

Approvals

- Cable connectors designed for repeated mating meet IP 65 mechanical and environmental specifications
- FM, CSA HAZ Loc Class I Div I, Groups B, C, and D

A210 Spillguard Monitors

Part Numbers		Monitor Options
24V DC	120V DC	
A210-24	A210-120	A210 spillguard monitor
A210B-24	A210B-120	With bypass timer
A210R-24	A210R-120	With external reset switch
A212-24	A212-120	Dual channel control monitor

Product Group: AS27

ADS Spillguard® Probes

Capacitance Probes

Application

- For materials with dielectric constant > 1.8: liquids, powders, slurries.

Features

- 1/2" NPT sliding fitting standard; 3/4" fitting optional
- Open dome adaptor and washout fitting available
- Tilt sensor optional

Materials

- Probe: 316 stainless
- Housing: NEMA 4X, IP66

Specifications

- Capacitance probe: 121°C (250°F) maximum
- High temperature probe: 163°C (325°F) maximum



A200PC36A

Length (inch)	Part Numbers	
	Capacitance	High-Temp
12"	A200PC12A	A200PHC12A
24"	A200PC24A	A200PHC24A
36"	A200PC36A	A200PHC36A
48"	A200PC48A	A200PHC48A
60"	A200PC60A	A200PHC60A
72"	A200PC72A	A200PHC72A
84"	A200PC84A	A200PHC84A

Product Group: AS27

Multi-Point Ultrasonic Probes

Application

- For use when multiple detection points are required such as dribble mode, pump shutoff, and overfill alarm.

Features

- Up to 5 sense points are available
- Pressure sensor
- Ground verification
- Tilt storage probe is only active in vertical operational position
- Built special orders to customer specifications



A240-Series Ground Verification Monitor



Application

- Tank truck and railcar loading facilities
- Drum and barrel filling sites
- Loading of stationary tanks

Features

- Bright red and green indicators communicate the A240 ground monitor status
- Convenient user terminal blocks make installation easy
- The environmentally sealed enclosure provides long service life even in outdoor environments
- Integrates easily into process control systems
- Provides and verifies ground bond through a single connection

Specifications

- Temperature rating: -40°C to 60°C (-40°F to 140°F)
- Ingress protection: IEC 60529 IP 66
- NEMA rating: NEMA Type 4, 4X, 7, 9
- Conduit entries: three
- Suitable for installation in hazardous locations: Class I, Division 1 & 2, Groups B, C, and D hazardous locations, Class II, Division 1 & 2, Groups E, F, and G hazardous locations, and Class III hazardous locations
- Suitable for connection to hazardous locations: Class I, Division 1 & 2, Groups A, B, C, and D hazardous locations and Class I, Zone 0, 1 & 2, Groups IIC, IIB, and IIA hazardous locations
- Ground connection threshold: relay is energised when the ground clamp connection is less than 10Ω
- Number of output relays: one
- Output replay configuration: one set of FORM C contacts (normally open, common, and normally closed contacts)
- Output relay contact rating: 4Amp at 250VAC

Part Numbers	Description
A240120	Ground verification monitor 120VAC
A240024	Ground verification monitor 24VDC

Product Group: AS27

A540-Series Ground Clamp and Junction Box



Application

- Tank truck and railcar loading facilities
- Drum and barrel filling sites
- Loading of stationary tanks

Features

- The clamp is tethered to the cable by a stainless steel strap that protects the connection from strain and wear
- Pull-out resistant cord grip on junction box holds cable tighter the harder it is pulled
- The junction box creates a convenient service point for hazardous location installations
- Coiled cable provides a compact storage
- Strong clamping force penetrates grime and remains connected during the loading process
- Provides ground and a ground-verification signal in a single clamp

Materials

- Jacket: thermoplastic elastomer
- Teeth: stainless steel

Specifications

- Temperature rating: -40°C to 90°C (-40°F to 194°F)
- Ingress protection: weatherproof, raintight, and dust-tight
- Conduit entries: one 3/4" trade-size hole and a factory-installed cable on the bottom
- Suitable for installation in hazardous locations: Class I, Division 1 & 2, Groups B, C, and D hazardous locations, Class II, Division 1 & 2, Groups E, F, and G hazardous locations and Class III hazardous locations
- Suitable for connection to hazardous locations: Class I, Division 1 & 2, Groups A, B, C, and D hazardous locations and Class I, Zone 0, 1 & 2, Groups IIC, IIB, and IIA hazardous locations
- Recommended wire between controller and the clamp: 18 GA stranded copper wire (THHN)

Part Number	Description
A540CSB0251	Ground clamp and junction box

Product Group: AS27

ADS Outage Gauges


outage gauge with J bar

outage gauge

Application

- Set level fill point for manual/visual fill control. Measure outage requirements on mobile tanks.

Feature

- Open dome bracket

Material

- 316 stainless steel

Length		Part Numbers	
feet	inch	316 Stainless Steel Standard Outage Gauge	316 Stainless Steel Outage Gauge with J Bar
2'	24	A800OG2	A800OGJ2
3'	36	A800OG3	A800OGJ3
4'	48	A800OG4	A800OGJ4
5'	60	A800OG5	A800OGJ5

Product Group: AS27

ADS Gauge Rods



Application

- Used to gauge liquid levels in any mobile tank.

Features

- Laser engraved scale with 1/4" graduations
- Rods come in two sections that screw together at the midpoint
- Foot marks inscribed on rod at 1' intervals below the inch mark
- Heavy-duty plastic handle

Material

- 316 stainless steel

Size

- 1/2" x .065 weight

Length		Part Numbers		Description
feet	inch	316 Stainless Steel	316 Stainless Steel w/sliding innage bar	
4'	48	ADS4GR	ADS4GR-IB	Gauge rod, one piece
8'	96	ADS8GR	ADS8GR-IB	Gauge rod, two piece
12'	144	ADS12GR	ADS12GR-IB	Gauge rod, two piece

Product Group: AS27


laser engraving closeup

ADS Spillguard® Armored Cables

Features

- 3 or 5 pin connector
- 316 stainless steel armoured cable or yellow rubber cable
- Custom lengths available on request

Armored Cables



Length		Part Numbers	
feet	inch	3 Pin	5 Pin
15'	180	A200CA3P15	A200CA5P15
20'	240	A200CA3P20	A200CA5P20
25'	300	A200CA3P25	A200CA5P25
50'	600	A200CA3P50	A200CA5P50

Product Group: AS27

Rubber Cable[1]



Length		Part Number (3 Pin)
feet	inch	
25'	300	A200CB3P25

[1] For use with (-M) mini connectors only

Product Group: AS27

ADS Accessories



A100DA

ADS Open Dome Adaptors

Features

- Flexible design fits most domes
- 1/2" and 3/4" NPT port for Outalarm® probes

Materials

- Stainless steel

Part Numbers
A100DA
A100DB

Product Group: AS27



A100TTA



A200SA

Tank Washout Caps

Part Numbers	Description
A100TTA	Tank truck 3" wash-out adaptor, 1/2" NPT
A100TTB	Tank truck 3" wash-out adaptor, 3/4" NPT
A200SA	Wash-out cap with swivel
A200SVA	Wash-out cap with swivel and 2" vent

Product Group: AS27



A210CR-3

Cable Junction Boxes

Part Numbers	Description
A210CR-3	3 Pin
A210CR-5	5 Pin

Product Group: AS27



A210PZH-24

Additional Parts & Accessories

Part Numbers	Description
A100CA1050	1" camlock coupler and 1/2" NPT bushing, stainless steel
A100CA1050V	1" camlock coupler with 1/2" NPT bushing and 1" NPT vent tee, stainless
A100SG-POLY	A100/200 splash guard, with 1-1/8" diameter poly
A100LT	Locating tab for A100/200 probes
A100MTR	Replacement A100 monitor only
A100CBLMTR	Cable to monitor adaptor
A210PZH-24	A210 piezo horn 24VDC
A210-120TC	Tri-colour external signal light

Product Group: AS27



A210-12TC

Pressure Nozzles for Bulk Delivery

Manual Shutoff

Application

- Ball nozzles have a very high flow rate and low-pressure drop which are ideal for bulk oil and fuel deliveries, they are full-port ball valves with an inlet swivel and outlet spout.

Features

- Manual operation (non-auto) for high-pressure
- Easy opening dash pot design with shockless closing
- Detachable trigger ratchet, packing gland & seal

Materials

- Bronze trigger with aluminium body & spout



Nozzles

Female Inlet Size		Part Numbers		LPM @ 70 kPa	Spout Outlet Type
mm	inch	BSP	NPT		
32	1¼	114DBSPT	114D	300	1¼
38	1½	112DBSPT	112D	380	1½

Product Group: AS02

Replacement Parts

Part Numbers	Description
1143A	Replacement spout for 114D
1125A	Replacement spout for 112D
1143A-BSPT	Replacement spout for 114DBSPT
1125A-BSPT	Replacement spout for 112DBSPT
114DSK	Seal kit to suit 114D & 114DBSPT nozzles
112DSK	Seal kit to suit 112D NPT nozzle
112DBSPTSK	Seal kit to suit 112DBSPT nozzle
114/2D-TK	Replacement trigger kit to suit 114D & 112D series nozzles

Product Group: AS02

Bulk Delivery High Flow Fueler 100 Nozzle

Automatic Shutoff

Application

- Tough, reliable, and easy-to-operate automatic nozzle. Used for fuelling trucks, buses, off-road equipment and fuel oil delivery. These nozzles are not to be used with gravity flow tanks.

Features

- Machined grooves in the spout are designed to hold the nozzle more securely in the fill pipe
- High-flow, heavy-duty automatic nozzle

Materials

- Lightweight tenzaloy aluminium casting



Inlet Size (NPT)		Part Numbers		Spout Size (mm)	Flow Rate @ 207 kPa (LPM)	Weight (kg)
mm	inch	BSP	NPT			
32	1¼	-	DNOG-NL	1⅜	285	1.1
32	1¼	DNOG5BSPT	DNOG5			0.56
40	1½	DN0G6BSPT	DN0G6			3.13

Product Group: AS02

FuelMaster™ Diesel Nozzles

Application

- Provides the high flow capacity required by many truck stops and terminal operations (not designed for use with gravity flow tanks, small 12-volt or AC utility pumps, farm or consumer pumps). Micro-touch valve provides smooth operation and exceptional flow control.

Features

- High flow capacity
- Micro-touch valve provides smooth operation and exceptional flow control
- Roto-Matic latch pin provides positive auto shut-off
- Pure PTFE packing eliminates stem leaks
- Easy to change 'locknut style' spout assembly
- Green scuff guard

Materials

- Body & Spout: aluminium
- Body Caps: zinc
- Seals: FKM
- Poppet Disk: PTFE
- Stem Packing: PTFE
- Hand-guard and trigger hold open clip - super tough nylon
- Trigger: steel
- Snap-on Cover: plastic
- Scuff Guard: vinyl



DFN100HF



DFN100SF

Inlet Size (NPT)		Part Numbers	Spout Size (mm)	Flow Rate @ 138 kPa (LPM)	Weight (kg)	UL Approved
mm	inch					
25	1	DFN100HF[1]	30.16	132	1.6	-
		DFN100SF[1]	30.16	170	1.6	-
		DFN100HF-NPNF[2]	30.16	132	1.8	✓
		DFN100SF-NPNF[2]	30.16	170	1.8	✓
		DFN100HF-NC[3]	30.16	132	1.8	✓
		DFN100SF-NC[3]	30.16	170	1.8	✓

[1]With trigger hold-open clip
[2]With trigger hold-open clip with 'no pressure, no flow' safety valve
[3]Without trigger hold-open clip

Product Group: AS02

Big Mouth™ Diesel Nozzles

Application

- Used for truck stops.

Features

- Lightweight but strong
- Micro-touch valve provides smooth operation and exceptional flow control
- Roto-matic latch pin provides positive auto shut-off
- Pure PTFE packing eliminates stem leaks
- Super tough nylon hand guard
- Snap-on handle cover makes changing scuff guards easy
- Yellow scuff guard

Materials

- Body & Spout: aluminium
- Body Caps: zinc
- Seals: FKM/Nitrile Buna
- Poppet Disk: FKM
- Stem Packing: PTFE
- Hand-guard and trigger hold open clip - super tough nylon
- Trigger: steel
- Snap-on Cover: plastic
- Scuff Guard: vinyl



DFN100



DFN100SF

Inlet Size (NPT)		Part Numbers	Spout Size (mm)	Flow Rate @ 138 kPa (LPM)	Weight (kg)	UL Approved
mm	inch					
25	1	DFN100[1]	28.58	76	1.4	-
		DFN100-NPNF[2]	28.58	76	1.7	✓
		DFN100-NC[3]	28.58	76	1.7	✓

[1]With trigger hold-open clip
[2]With trigger hold-open clip with 'no pressure, no flow' safety valve
[3]Without trigger hold-open clip

Product Group: AS02

Farm & Consumer Nozzles

Application

- Automatic fuel nozzles designed for use with small 12-volt and AC utility pumps as well as large farm and consumer pumps.

Features

- The heavy-duty, strong, secure hook makes it easy to hang the nozzle on the pump
- Micro-touch valve provides smooth operation and exceptional flow control
- Roto-Matic latch pin provides positive auto shut-off
- Smartguard snap-on scuff guard

Materials

- Body & Spout: aluminium
- Body Caps: zinc or nylon
- Seals: FKM
- Poppet Disk: FKM
- Stem Packin: PTFE
- Hand-guard and trigger hold open clip - super tough nylon
- Trigger: steel
- Snap-on Cover: plastic
- Scuff Guard: vinyl

Inlet Size (NPT)		Part Numbers	Spout Size (mm)	Flow Rate @ 138 kPa (LPM)	Weight (kg)	UL Approved
mm	inch					
25	¾	DN7UOBF	20.64	68	1.1	-
		DN7LOBF	23.81	87	1.1	-
1	1	DFN100F[1]	28.58	102	1.7	-
20	¾	DN7UOBF-NPNF	20.64	68	1.1	✓
		DN7LOBF-NPNF	23.81	87	1.1	✓
25	1	DFN100F-NPNF	28.58	102	1.7	✓
20	¾	DN7UOBF-NC	20.64	68	1.1	✓
		DN7OBF-NC	23.81	87	1.1	✓
25	1	DFN100F-NC	28.58	102	1.7	✓

[1]With trigger hold-open clip
[2]With trigger hold-open clip with 'no pressure, no flow' safety valve
[3]Without trigger hold-open clip
[4]Hand-guard and rear back clip - super tough nylon

Product Group: AS02


Gasoline Nozzle


Diesel Nozzle


Diesel Nozzle

DEF Automatic Shutoff Nozzle

Application

- Designed for diesel exhaust fluid applications.

Features

- The heavy-duty, strong, secure hook makes it easy to hang the nozzle on the pump
- Micro-touch valve provides smooth operation and exceptional flow control
- Roto-matic latch pin provides positive auto shut-off
- Smartguard snap-on scuff guard

Materials

- Spout: stainless steel
- Wetted Parts: stainless, acetal, PTFE
- Seals: FKM-A

Inlet Size (BSP)		Part Number	Spout Size (mm)	Flow Rate @ 138 kPa (LPM)	Weight (kg)
mm	inch				
20	¾	DEFN075	20.64	68	1.1

Product Group: AS02



Fuel Nozzle Cross Reference

Dixon™	M Carder	OPW	Emco	Husky	Catlow
DN7UOBF	N7UOBF	11AF-40FS	A2501F	XSF-33704	NENLF
DN7LOBF	N7LOBF	11APF-40FS	A2501LF	-	NELF
DFN100	N3-BIGMOUTH	7H	A6000	1+8-173310	MAX1
DFN100HF	N4-FUELMASTER	-	-	1HS.026810	MAC-1AH

Tanker, Terminal & Rack Equipment - Nozzles

Standard Utility Nozzles

Application

- For use with 12-volt pumps & gravity flow fittings. For economy fuel dispensing, including construction, farm & small truck utility tanks.

Materials

- Aluminium diecast metal body

Working Pressure

- 25 PSI



900



900S



900B

Nozzles

Female Inlet Size (NPT)		Part Numbers	Spout Outlet Type
mm	inch		
25	1	900	1" outlet
25	1	900S	1" straight
25	1	900B	1" bent
25	1	900W34S	¾" straight
25	1	900W34B	¾" bent
20	¾	900S34	¾" straight
20	¾	900B34	¾" bent

¾" nozzle inlet uses 1" x ¾" reducer bushing, supplied

Product Group: AS02

Replacement Parts

Part Numbers	Description
234-80-4	¾" Replacement straight spout
234-80-5	¾" Replacement bent spout
875-4	1" Replacement straight spout
875-5	1" Replacement bent spout
900TK	Trigger
900SK	Plunger & valve assemblies, cap, O-ring

Product Group: AS02

Large Capacity Low Pressure/Gravity Nozzle

Application

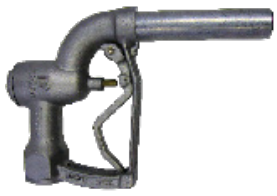
- Rugged utility nozzle for low-pressure/gravity applications.

Features

- RAPId flow due to 1¼" oversize design

Specifications

- Maximum operating pressure 25 PSI



Nozzles

Female Inlet Size (NPT)		Part Number	Spout Outlet Type
mm	inch		
32	1¼	1250-94	1¼"

Product Group: AS02

Repair Kits

Part Number	Description
1250SK	Plunger, O-rings, valve seal, valve base, valve plate

Product Group: AS02

Ball Nozzles for Bulk Delivery

Application

- Ball nozzles have a very high flow rate and low-pressure drop which are ideal for bulk oil and fuel deliveries, they are basically full-port ball valves with an inlet swivel and outlet spout.

Features

- Rugged construction
- High flow provides rapid fuel oil transfer/delivery
- Heavy-duty roller ball swivel
- Low-temperature seals freely rotate without leaking

Materials

- Anodised aluminium

Nozzles

Female Inlet Size (NPT)		Part Numbers	Outlet Type
mm	inch		
32	1¼	BL062	Swivel quick fill nut
38	1½	BL064	Swivel quick fill nut
32	1¼	BL066	1¼" spout
38	1½	BL068	1¼" spout
32	1¼	BL072	1½" spout
32	1¼	BL066NS	1¼" female NPT
38	1½	BL068NS	1¼" female NPT
38	1½	BL072NS	1½" female NPT
50	2	BL920	2" spout

Product Group: AS02



BL062



BL064

Replacement Spouts

Female Inlet Size (NPT)		Part Numbers	Replacement For
mm	inch		
32	1¼	1143A	BL066 & BL068
38	1½	1125A	BL072 & BL919
50	2	391137	BL920

Product Group: AS02



BL072

Repair Kits

Ball Nozzles - BL066, BL068, BL072, BL919		Super Ball Nozzle - BL920	
Part Numbers	Description	Part Numbers	Description
SWMF-RK2	Inlet swivel seal & wear kit	SWMF-RK1	Inlet swivel grease nipple kit
SWMF-RK3	Complete inlet swivel rebuild kit	SWMF-RK22	Inlet swivel seal & wear kit
SWMF-RK4	1½" FNPT replacement inlet swivel	SWMF-RK32	Complete inlet swivel rebuild kit
SWMF-RK5	1¼" FNPT replacement inlet swivel	SWMF-RK42	2" FNPT replacement inlet swivel
SWMF-RK6	1½" BSPP replacement inlet swivel	SWMF-RK52	1½" FNPT replacement inlet swivel
BL005	Replacement swivel outlet	BL-RK102	Complete ball nozzle seal kit
BL-RK4	Ball valve shaft seal kit	BL-RK112	Optional check valve 5 PSI spring kit
BL-RK10	Complete ball nozzle seal kit	BL-RK122	Standard check valve 3 PSI cartridge kit
BL-RK11	Optional check valve 5 PSI spring kit	BL-RK13	Replacement trigger kit
BL-RK12	Standard check valve 3 PSI cartridge kit	-	-

Product Group: AD05



BL072NS



BL920

Hose Swivels

Application

- For use with petroleum and home heating oil hose. Prevents twisting or kinking.

Design

- Male and female threads to suit 114 and 112 series nozzles
- Integral check valves to retain hose pressure and prevent hose drainage





Male Size		Female Size		Material	Part Numbers	
mm	inch	mm	inch		Unvalved	Valved
32 NPT	1¼ NPT	32 NPT	1¼ NPT	Bronze	-	1280
32 BSPT	1¼ BSPT	32 BSPP	1¼ BSPP	Bronze	1280-BSPTUV	1280-BSPT
38 BSPT	1½ BSPT	38 BSPP	1½ BSPP	Bronze	1580U-BSPTUV	1580U-BSPT
32 BSPT	1¼ BSPT	32 BSPP	1¼ BSPP	SS	-	1280-BSPTSS
38 BSPT	1½ BSPT	38 BSPP	1½ BSPP	SS	-	1580U-BSPTSS

Product Group: AS02

Heavy-Duty Hose Swivels

Application

- For use with petroleum and home heating oil hose. Prevents twisting or kinking.

Design

- Heavy-duty internal thrust bearing and anti-friction seal
- Can be lubricated without disassembly by using the optional grease fitting kit

Materials

- Aluminium



Male Size		Female Size		Part Numbers	
mm	inch	mm	inch	BSP	NPT
32 NPT	1¼ NPT	32 NPT	1¼ NPT	-	SWMF125
38 NPT	1½ NPT	38 NPT	1½ NPT	SWMF150A	SWMF150
50 NPT	2 NPT	50 NPT	2 NPT	SWMF200A	SWMF200

Product Group: AS02

Male x Hose Shank Nozzle Swivels

Application

- For use with petroleum and home heating oil hose.

Features

- Prevents hose twisting or kinking
- Male NPT thread



Male NPT		Hose Tail Size		Part Numbers	
mm	inch	mm	inch	Hose Shank	Repair Kit
38	1½	38	1½	1565U	1500SK

Product Group: AS02

Diesel and Gasoline Nozzle Accessories

Application

- Used to connect NPT threaded hose and nozzle connections.

Materials

- Body: aluminium
- Brass hex nut prevents galling in the nozzle
- Seals: F-7036 FKM
- Retainer: nylon cord



Male Size		Part Numbers	Description
mm	inch		
38 x 38	1½ x 1½	DAWSCL15	Single plane hose swivel (male adaptor x male NPT)
50 x 50	2 x 2	DAWSCL2	

Product Group: AS02

Dixon™ Diesel and Gasoline Nozzle Accessories

Single Plane Hose Swivels

Materials

- Body: aluminium
- Brass hex nut prevents galling in the nozzle
- Seals: F-7036 FKM
- Retainer: nylon cord

Female Inlet Size (NPT)		Part Numbers
mm	inch	
20	¾ X ¾	DAWS34
25	1 X 1	DAWS10
32	1¼	DAWS1414
38 X 32	1½ X 1¼	DAWS1514
38	1½	DAWS15
50	2	DAWS22

Product Group: AS02



Multi-Plane Hose Swivels

Features

- The brass male end will not gall in nozzle castings
- Dual O-rings seal with all fuels
- The sleeve gives a smooth seal surface - no leaks
- Internal nylon retainer cord secures firmly but allows free rotation

Materials

- Body: machined aluminium casting
- Male End: machined brass bar stock
- Sleeve: machined brass bar stock

Size (NPT)				Part Numbers
mm		inch		
male	female	male	female	
20	20	¾	¾	DAC3434
25	20	1	¾	DAC1034
25	25	1	1	DAC1010

Product Group: AS02



Dixon™ Breakaways

Application

- Provides breakaway protection for high-capacity fuelling operations such as truck and bus terminals, mining, off-road fuelling, and fuel oil delivery.

Materials

- Body: nickel-plated aluminium
- Brass Break Rings: 4 total in 32mm (1¼") & 38mm (1½"), 6 total in 50mm (2")
- Seals: F-7036 FKM
- Check valve: PTFE ball seals both ends when separated

Size		Part Numbers	Separation Force (lbs)
mm	inch		
32	1¼	DAB14	600
38	1½	DAB15	600
50	2	DAB2	800

Product Group: AS02



Dixon™ Breakaways

Features

- Unique ball valves seal both ends when separated
- Design provides consistent and reliable performance
- Lightweight
- Easy to repair

Materials

- Body: aluminium
- Break rings (2) - brass
- Seals: F-7036 FKM



Male Size		Part Numbers	Separation Force (lbs)
mm	inch		
20	¾	DAB34	325
25	1	DAB1	325

Product Group: AS02

Dixon™ MannTek Hose Swivels

Application

- Swivel function - allows the hose to relax to its natural rest position while allowing freedom of movement without adding torque stress at the point of connection (torque stress is the largest single cause of composite, PTFE, and stainless steel hose failure). Simple design, low maintenance - each unit consists of two body halves, ball bearings, and a washer.

Seal

- FKM seals are standard, Chemraz® and Kalrez® are optional

Working Pressure

- 150 PSI

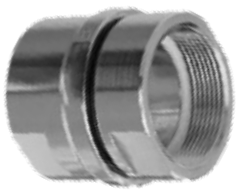
Maximum Temperature

- 149°C



Size		Part Numbers			
		Male/Female BSP		Male/Female NPT	
mm	inch	Stainless Steel	Aluminium	Stainless Steel	Aluminium
20	¾	HS075SSA	HS075ALA	HS075SS	HS075AL
25	1	HS100SSA	HS100ALA	HS100SS	HS100AL
38	1½	HS150SSA	HS150ALA	HS150SS	HS150AL
50	2	HS200SSA	HS200ALA	HS200SS	HS200AL
80	3	HS300SSA	HS300ALA	HS300SS	HS300AL
100	4	HS400SSA	HS400ALA	HS400SS	HS400AL

Product Group: AS01



Size		Part Numbers			
		Female/Female BSP		Female/Female NPT	
mm	inch	Stainless Steel	Aluminium	Stainless Steel	Aluminium
20	¾	HSF075SSA	HSF075ALA	HSF075SS	HSF075AL
25	1	HSF100SSA	HSF100ALA	HSF100SS	HSF100AL
38	1½	HSF150SSA	HSF150ALA	HSF150SS	HSF150AL
50	2	HSF200SSA	HSF200ALA	HSF200SS	HSF200AL
80	3	HSF300SSA	HSF300ALA	HSF300SS	HSF300AL
100	4	HSF400SSA	HSF400ALA	HSF400SS	HSF400AL

Product Group: AS01

Swivel Joints

Application

- Used wherever a leak-proof swivel connection is needed in pipelines or in combination with hoses to eliminate hose twisting.
- Industries range from petroleum, petrochemical, refining, mining, distilling, paint, farm irrigation and fertilising, wastewater treatment plants, and food and beverage process equipment. Dixon™ swivel joints are found in blending plants, drum filling applications, fluid, and dry bulk transfer, vacuum trucks, oil and gas trucks, and water trucks. Larger swivels can be found in the steel industry, marine bulk transfer, and many more applications.

Features

- Full 360° rotational movement
- Wide spacing between dual ball-bearing raceways ensures greater load-bearing capacity
- A precision-machined design ensures alignment and years of trouble-free service
- O-ring dust seal protects the ball races and seals the chamber from outside elements
- Radius elbow design ensures a smooth flow pattern
- Hydrostatic testing is performed on all swivels before shipment

Available Options

- End configurations: female NPT, 150# flanges, TTMA flange, grooved, weld end, and many other variations
- Seal options: Nitrile rubber, FKM, PTFE, EPDM, FDA nitrile rubber, FFKM
- Ball bearing materials: carbon steel, 440 stainless steel, and 316 stainless steel
- Grease materials: Lithium, FDA-approved/food grade, and silicone
- Swivels that include oxygen, steam, or submerged service can be specifically designed for unique applications (special order)
- 100% full penetration weld
- Re-build kits available
- Custom swivel options are available; contact Dixon™

Working Pressures

Dixon™ swivels are recommended for use at the following maximum Non-Shock Cold Working Pressures (NSCWP) provided in PSI, at an ambient temperature of 21°C (70°F).

Size	V-ring Carbon Steel CS	O-ring Carbon Steel OC	V-ring Stainless Steel SS	O-ring Stainless Steel OS	Aluminium AL	Brass BR	Malleable Iron MI
1"	---	1000	---	1000	150	---	---
1-1/4"	---	---	---	---	150	---	---
1-1/2"	---	1000	---	1000	150	300	600
2"	1000	1000	1000	1000	150	300	600
3"	1000	1000	1000	1000	150	300	600
4"	1000	---	1000	---	150	---	---
6"	1000	---	---	---	150	---	---
8"	---	---	---	---	150	---	---

- When using flanged ends, the pressure rating will be reduced to coincide with that of the flange being used. Carbon steel and stainless steel 150# flanges are recommended for use at 275 PSI maximum at an ambient temperature of 21°C (70°F)
- Lubrication should be performed periodically, depending on service and operating conditions. Twice yearly is normally sufficient
- All dimensions are approximate. Where critical, contact Dixon™

O-ring Swivel Joints

Parts Identification List

Application

- Commonly used in aluminium loading/unloading arm applications.

Sizes

- 25mm -100mm (1" - 4")

Features

- O-ring pressure seal ensures a leak-proof seal and smooth rotation with lower torque
- Smooth moving seal for high-volume drum and tote loading
- Swivel end configurations: 150 lb. and 300 lb. flanges, FNPT, MNPT, butt weld, TTMA, and others upon request

Materials

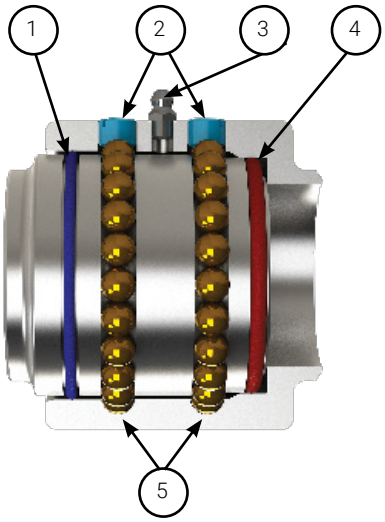
- Available in carbon steel, 316L stainless steel, aluminium, brass, and malleable iron

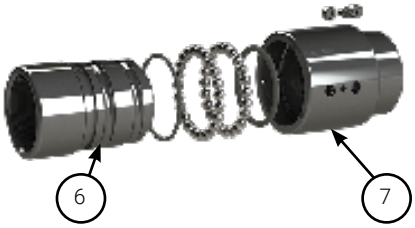
Specifications

- Available working pressure ratings up to 1,000 PSI

Bill of Materials

1. O-ring (dust) seal
2. Ball retainer screw
3. Grease fitting
4. O-ring (pressure) seal
5. Ball bearings
6. Sleeve
7. Body





V-ring Swivel Joints

Parts Identification List

Application

- V-ring, also known as chevron packing, is a multiple lip seal known for its reliability and long life.
- Designed to seal even under misalignment caused by race wear from years of service.

Sizes

- 50mm - 300mm (2" - 12")

Features

- Three lip seals and the ability to seal even if the unit is in misalignment result in a longer time between service periods, increasing up-time efficiencies, and lowering maintenance costs
- A spring-loaded triple V-ring sealing system ensures a leak-proof seal at high or low-pressure and extends seal life
- Swivels are shipped standard with the following:
  - Nitrile rubber pressure seals and dust seals
  - Carbon steel ball bearings
  - PTFE retainers in V-ring swivels

Materials

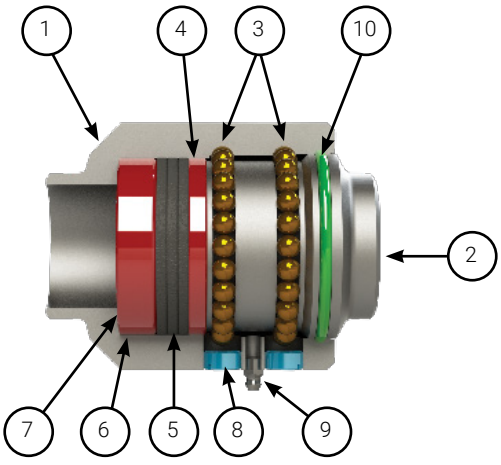
- Carbon steel, 316L stainless steel, and aluminium

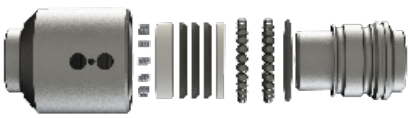
Specification

- Available working pressure ratings up to 1,000 PSI

Bill of Materials

1. Body
2. Sleeve
3. Ball bearings
4. Seal Retainer
5. V-ring (Pressure Seal)
6. Spring Retainer
7. Springs
8. Ball Retainer Screws
9. Grease Fitting
10. O-ring (dust seal)





Betts 20" Manhole - Model PAF450

Features

- It incorporates a 10" (254mm) reclosing pressure relief valve (PRV)
- The PRV is mounted to a center-mounted 20" (508mm) clamp ring-style manhole
- It includes a P/V (pressure/vacuum) normal vent
- The PRV cover also serves as a quick open inspection hatch with a secondary safety catch

Certification

- The manhole and clamp ring are certified and marked in accordance with 49CFR178.345-5
- They have a test pressure of 36 PSIg

Legal Installation

- The Model PAF450 was legal for installation on US DOT MC306 cargo tanks prior to August 31, 1998

Repair and Replacement:

- According to 49CFR180.405(h)(2), a properly functioning PAF450 can be repaired and maintained
- If the entire assembly needs replacement, it must be replaced with a PRV that meets the less-than 1 liter surge leakage requirement of 49CFR178.345(b)(3)(ii)

Usage Restrictions

- Model PAF450 is NOT permitted as a replacement on MC306 or DOT406 cargo tanks
- It can be installed on non-specification tanks or on tanks built and operated in countries where regulations permit

Self-Latch Model

- There is also a self-latch model available, designated by part number 9763 in place of 9720
- The self-latch model includes a stop bracket that holds the PRV at a 91° position
- If the cover is inadvertently left open, movement of the tank will cause the PRV cover to drop and catch to a semi-closed position
- The standard model can be converted to a self-latching model with the addition of 6807SL-KIT1





Part Numbers	Manhole Cover Material	Strongback & Latch	PRV Cover	Normal Vent	Weight (kg)
FVA9720BX*	Steel zinc plated	Steel zinc plated	Aluminium	6238AL Aluminium	29.7
FVA9720CX*	304 stainless	304 stainless	Aluminium	6238AL Aluminium	29.7
FVA9720DX*	316 stainless	316 stainless	Aluminium	6238AL Aluminium	29.7

*Last letter of part number designates seal material - refer to gasket material table

Product Group: AS02

Gasket Material Table

Letter	Gasket Material
B	Nitrile (Buna-N)
W	White Hypalon
T	PTFE (with Nitrile or Silicone Core)
V	FKM Type A

Parts List

Part Numbers	Drawing Number	Gasket Material	Description
3119BN	2	Nitrile	Gasket relief valve
3119VT	2	FKM-A	
3119WH	2	White Hypalon	
3560BN	9	Nitrile	Manhole gasket
6238ALB	11	Aluminium/Buna-N	Normal vent
6238ALV	11	Aluminium/FKM	

Product Group: AS02

Notes

- Use part number FVA9763 for self-latch
- Suffix "059" option for padlock loop installed in strongback
- Prefix "FSA" for both 6238AL normal vent & 6234AL inbreathing vent included
- Weld Collar NOT included with assembly, but available separately as shown in part list
- Collar material should correspond with tank shell material. When welding collars to tank, care should be taken to insure collar remains flat and round with use of a welding fixture if necessary

Technical Specifications

PAF450 Pressure Relief Valve		6238AL Normal Vent (P/V Vent)			
Set Pressure	Related Air Flow Capacity (cubic feet per hour)	Pressure Set	Pressure Rated Flow Capacity	Vacuum Set	Vacuum Flow Capacity
Min 3.0 PSIg (Min 20.7 kPa)	350,000 SCFH @ 5 PSIg	Max 1.0 PSIg (max 6.8 kPa)	1,750 SCFH @ 3 PSIg (49 SCMH @ 20.7 kPa)	Max .375 PSIg (Max 2.5 kPa)	3,350 SCFH @ 1 PSIg (95 SCMH @ 6.8 kPa)

Weld Collar and Gaskets

Clamp Ring Style

Application

- Manhole gaskets are common replacement items and weld collars are usually sold separately from the manhole. A clamp ring is utilised to secure the manhole cover to the collar, with a gasket seal in between. The materials used for these components are aluminium, steel, 304 stainless steel, and 316 stainless steel. Manholes come in different sizes, such as elliptical 12 x 16 inches and round 16, 20, and 24 inches. During welding, collars must be fixed to the tank to keep them even and round.





Collars

Size	Details
12" x 16" Elliptical Collar	4055AE - Aluminium
	4055MS - Steel
16" Round Collar	3057MS - Steel
	3057AE - Aluminium
	3057AE021 - Aluminium with holes
	3057SL - 304 Stainless steel
	3057SS - 316 Stainless steel
20" Round Collar	3176MS - Steel
	3176MS-8.00 - Steel (8" high)
	3176AE - Aluminium
	3176SL - 304 Stainless steel
	3176SS - 316 Stainless steel
24" Round Collar	4229MS - Steel
	4429SL - 304 Stainless steel

Gaskets

Size	Details
12" x 16" Elliptical Gasket	3494BN - Black Nitrile Buna-N
	3494VT - Black FKM Type-A
	3494WH - White Hypalon
16" Round Gasket (L shaped)	3559BN - Black Nitrile Buna-N
	3559VT - Black FKM Type-A
	3559WH - White Hypalon
	3559WE - White FDA EPDM (food grade)
20" Round Gasket (L shaped)	3560BN - Black Nitrile Buna-N
	3560VT - Black FKM Type-A
	3560WH - White Hypalon
	3560WE - White FDA EPDM (food grade)
24" Round Gasket (L shaped)	4230BN - Black Nitrile Buna-N

Schedule 40 Weld Pipe Fittings

Material

- ASTM B26 356F-Aluminium











Size (inch)	Part Numbers				
	Tees		Elbows		
	Extended Tee	Equal Tee	90 Degree Long Radius	90 Degree Short Radius	45 Degree Long Radius
3	-	C35890AL	C35887AL	-	C28217AL
4	C46799AL	C35895AL	C28187AL	C35928AL	-

Product Group: AS02

Loading Arms



Application

- Used in the transfer of liquids and dry bulk in refineries, chemical plants, rail terminals, truck terminals, tote and drum filling, and the food industry.

Sizes

- 2", 3", and 4"

Features

- Three arm swivel options: O-ring, V-ring, or split flange
- Two base swivel options: V-ring or split flange
- Fast delivery for many sizes and styles
- Engineered with easy service in mind
- D-handle/ball handle is used to guide the API load coupler onto the adaptor on the tank truck
- Long radius elbow improves the flow into the API load coupler and provides space between the load arm and the tank truck, allowing for clearance
- Torsion spring counterbalance:
  - Ball screw adjustment mechanism for easy and safe adjustment
  - Multiple spring rates available for different load requirements
  - Multiple grease ports for ease of service
- Many different end connections are offered as well as accessories

Specifications

- Temperature rating: -40°C to 90°C(-40°F to 194°F)
- Ingress protection: weatherproof, raintight, and dust-tight
- Conduit entries: one 3/4" trade-size hole and a factory-installed cable on the bottom
- Suitable for installation in hazardous locations: Class I, Division 1 & 2, Groups B, C, and D hazardous locations, Class II, Division 1 & 2, Groups E, F, and G hazardous locations and Class III hazardous locations
- Suitable for connection to hazardous locations: Class I, Division 1 & 2, Groups A, B, C, and D hazardous locations and Class I, Zone 0, 1 & 2, Groups IIC, IIB, and IIA hazardous locations
- Recommended wire between controller and the clamp: 18 GA stranded copper wire (THHN)

Materials

- Jacket: thermoplastic elastomer
- Teeth: stainless steel

Top Loading Arms



Sizes

- 2", 3", and 4"

Features

- Three arm swivel options: O-ring, V-ring, or split flange
- Two base swivel options: V-ring or split flange
- Left- or right-handed
- Torsion spring counterbalance:
  - Ball screw adjustment mechanism for easy and safe adjustment
  - Multiple spring rates available for different load requirements
  - Multiple grease ports for ease of service
- Fast delivery for many sizes and styles
- Engineered with easy service in mind
- Many different end connections and accessories; contact Dixon for more information

Materials

- Arm: carbon steel, aluminium, 316 stainless steel
- Counterbalance/base swivel: 316 stainless steel, carbon steel
- Seals: Buna-N, FKM-A, NPRN, PTFE, and more upon request

Locking Mechanism

Application

- Used in asphalt applications to help reduce sudden arm movement caused by clogged pipes or pressure changes.



Material

- Carbon steel

Scissor Style Arms

Application

- Extended reach for horizontal loading.

Sizes

- 2", 3", and 4"



Features

- Three arm swivel options: O-ring, V-ring, or split flange
- Two base swivel options: V-ring or split flange
- Left- or right-handed
- Fast delivery for many sizes and styles engineered with easy service in mind
- Torsion spring counterbalance:
  - Ball screw adjustment mechanism for easy and safe adjustment spring rates available for different load requirements
  - Multiple grease ports for ease of service
- Larger range of motion able to hit multiple fill points
- Many different end connections and accessories; contact Dixon for more information

Materials

- Arm: carbon steel, aluminium, 316 stainless steel
- Counterbalance/base swivel: 316 stainless steel, carbon steel
- Seals: Buna-N, FKM-A, NPRN, PTFE, and more upon request

Bottom Loading Arms

Sizes

- 2", 3", and 4"

Features

- Three arm swivel options: O-ring, V-ring, or split flange
- Two base swivel options: V-ring or split flange
- Left- or right-handed
- Torsion spring counterbalance:
  - Ball screw adjustment mechanism for easy, safe adjustment spring rates available for different load requirements
  - Multiple grease ports for ease of service
- Fast delivery for many sizes and styles
- Engineered with easy service in mind
- Many different end connections and accessories; contact Dixon for more information

Materials

- Arm: carbon steel, aluminium, 316 stainless steel; optional drop leg with metal or composite hose
- Counterbalance/base swivel: 316 stainless steel, carbon steel
- Seals: Buna-N, FKM-A, NPRN, PTFE, and more upon request



Loading Arm Base Swivels

Sizes

- 2", 3", and 4"

Features

- Three arm swivel options: O-ring, V-ring, or split flange
- Two base swivel options: V-ring or split flange
- Left- or right-handed
- Torsion spring counterbalance:
  - Ball screw adjustment mechanism for easy, safe adjustment
  - Multiple spring rates available for different load requirements
  - Multiple grease ports for ease of service
- Fast delivery for many sizes and styles
- Engineered with easy service in mind
- Many different end connections and accessories; contact Dixon for more information

Materials

- Counterbalance/base swivel: 316 stainless steel, carbon steel



Loading Arm Legs/Spools

Sizes

- 2", 3", and 4"

Features

- Inlet and outlet: TTMA flanged
- Connections: TTMA flanged, 150# flanged, MNPT, FNPT, weld connection, and 300 lb. flange

Materials

- Arm: carbon steel, aluminium, 316 stainless steel; optional drop leg with metal or composite hose
- Special piping upon request

Counterbalance

Features

- Includes pivot arm (shown) and spring to help prevent possible pinch point
- Easy-adjust tension bolt, carbon steel housing
- Carbon steel



ESB1/A

Part Numbers	Description
ESB1/A	Light-duty white torsion spring, right hand
ESB1/B	Medium-duty yellow torsion spring, right hand
ESB1/C	Heavy-duty red torsion spring, right hand
ESB1/E	Light-duty black torsion spring, left hand
ESB1/F	Medium-duty grey torsion spring, left hand
ESB1/G	Heavy-duty orange torsion spring, left hand

Product Group: AS09

Counterbalance Arm Accessories

Features

- Includes pivot arm (shown) and spring to help prevent possible pinch point
- Easy-adjust tension bolt, carbon steel housing
- Carbon steel



ESB-CLAMP-3

Size (inch)	Part Numbers	Description
2	ESB-CLAMPS-2	Clamp
3	ESB-CLAMP-3	Clamp
4	ESB-CLAMP-4	Clamp

Product Group: AS09

Top Loading Valves Accessories

Application

- Use in top loading fuels and other low viscosity media.

Features

- BSP threaded vacuum breaker standard
- TTMA flanges on both ends standard
- Manually operated "deadman" style with spring-loaded handle
- Manual or remote controlled valve mounts before the loading arm horizontal leg to control flow
- Optional remote handle available

Materials

- Valve: aluminium
- Vacuum Breaker Body: brass
- Vacuum Breaker Housing: aluminium
- Seals: FKM



TLV-400TFVBVIAL



VB-050-BSP

Size (inch)	Part Numbers	Description
3	TLV-300TFVBVIAL	Top loading valve with vacuum breaker
4	TLV-400TFVBVIAL	Top loading valve with vacuum breaker
3	AT1350-3	Valve remote, handle, and bracket kit
4	AT1350-4	Valve remote, handle, and bracket kit
½	VB-050-BSP	Vacuum breaker, BSP threads
½	VB-050-NPT	Vacuum breaker, NPT threads

Product Group: AS09

Top Loading Diffusers/T-Deflectors

Application

- Installed on drop leg of a top load loading arm to distribute media evenly to help reduce splash.

Features

- Diffusers distribute media evenly 360°
- T-deflectors distribute media to the sides of the tank, railcar, or tote

Materials

- Aluminium

Size (inch)	Part Numbers	Description
3	TLD-300S	360° Diffuser
	TLTD-300S	T-Deflector
4	TLD-400S	360° Diffuser
	TLTD-400S	T-Deflector

Product Group: AS09



TLD-300S



TLTD-400S

Loading Arm Support Braces

Application

- Support the load on the arm for applications with a long reach or high moment load.

Features

- Pillow-bearing support with turnbuckle for easy adjusting
- Clamp included for easy loading arm attachment

Materials

- Carbon steel

Size (inch)	Part Numbers	Description
3	LA-BRACE3	360° Diffuser
4	LA-BRACE4	T-Deflector

Product Group: AS09



LA-BRACE3

Split Flange Swivel Handles and Locks

Application

- Locks the loading arm into a horizontal position, not to be used vertically.

Features

- Single or multiple hole design

Materials

- Carbon steel

Part Numbers	Description
LA-SFLOCKTHK-S	Locking single hole T-handle kit for split flange swivel joints
LA-SFLOCKTHK-M	Locking multiple hole T-handle kit for split flange swivel joints
100BHAN-AL	Ball handle for loading arm swivels
100DHAN-AL	D-handle for loading arm swivels
ATN100X7	1" schedule 80 nipple 7" OAL

Product Group: AS09



LA-SFLOCKTHK-S



ATN100X7

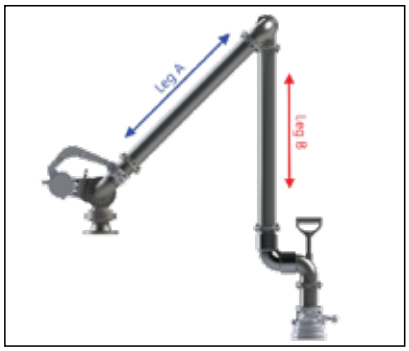
Loading Arms Order Guide

Section 1: Customer Information

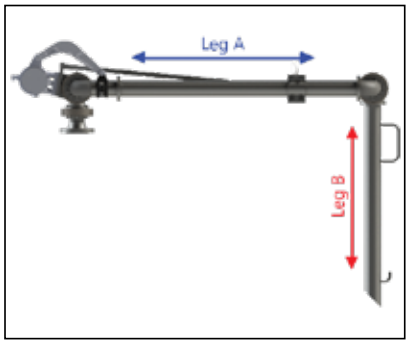
Distributor name:		Phone:	
Contact person:		Email:	
Distributor city, state:		Customer code:	
End user name:		Phone:	
Contact person:		Email:	

Section 2: Configuration(s)

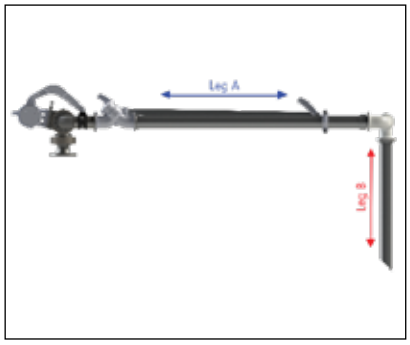
a. ☐ A-frame



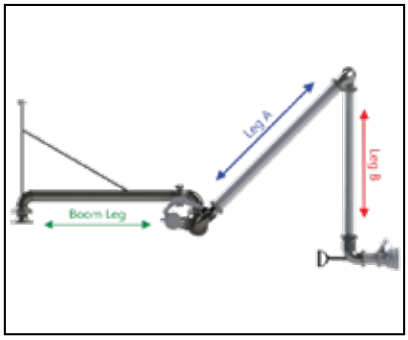
☐ Fixed Reach (top load)



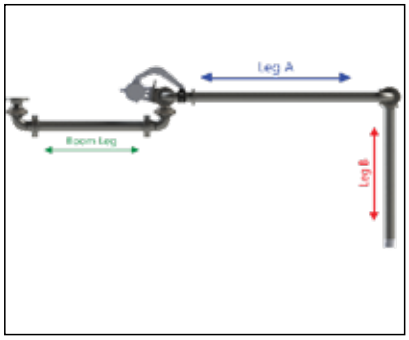
☐ Telescoping*
(*Leg A only available in one standard length)



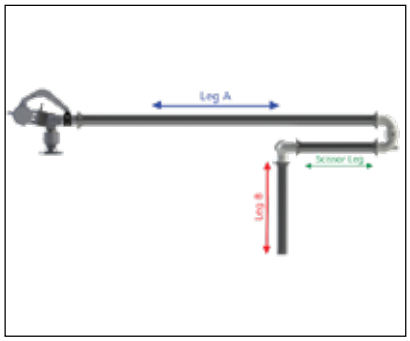
☐ Supported boom



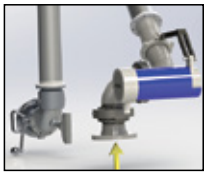
☐ Unsupported boom



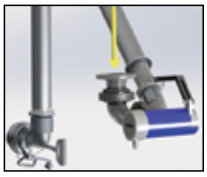
☐ Scissor



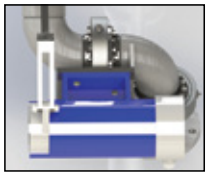
b. ☐ **Upfeed**



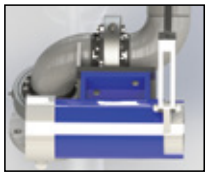
☐ Downfeed



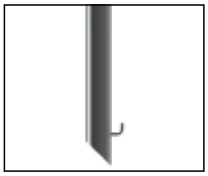
c. ☐ Left-hand



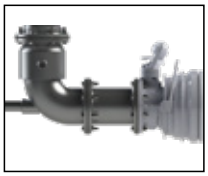
☐ Right-hand



d. ☐ Top load



☐ Bottom load



e. ☐ Other style/configurations:

Section 3: Component Measurements and Materials

(Measure from centerline of swivel to centerline of swivel. Round to the nearest inch, i.e. 48", 60", etc.)

Leg A Length: _____ Material: ☐ carbon steel ☐ aluminium ☐ stainless steel

Leg B Length: _____ Material: ☐ carbon steel ☐ aluminium ☐ stainless steel ☐ composite hose ☐ metal hose

Boom/Scissor Leg Length: _____ Material: ☐ carbon steel ☐ stainless steel ☐ aluminium (scissor only)

Section 4: Load Arm Information

a. Quantity: _____

b. Pipe size: ☐ 2" ☐ 3" ☐ 4" ☐ other: _____

c. Base swivel: ☐ split flange style ☐ V-ring style

d. Riser stand pipe connection: ☐ Class 150 ANSI flange ☐ Class 300 ANSI flange ☐ other: _____

e. Type of media: ☐ asphalt ☐ fuel ☐ other: _____

f. **Seals (Dixon can recommend based on media):** ☐ Nitrile rubber ☐ PTFE ☐ FKM-A ☐ low temperature FKM ☐ EPDM ☐ other: _____

g. Environment conditions: temperature range _____ °F to _____ °F operating PSI : _____

h. **End connections (check all that apply):**

- ☐ 45° pipe cut
- ☐ API coupler w/ flange extension
- ☐ tee-deflector
- ☐ male NPT
- ☐ other: _____
- ☐ cam & groove coupler
- ☐ cam & groove adaptor
- ☐ dry disconnect
- ☐ TTMA flange

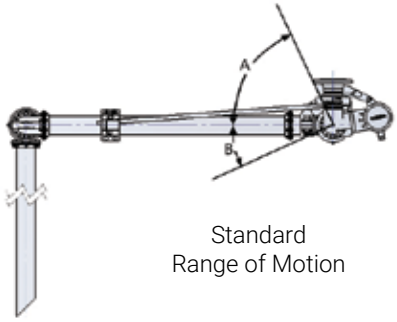
i. **Add-ons (check all that apply):**

- ☐ top loading valve
- ☐ top loading valve w/ remote handle kit
- ☐ butterfly (Wet-R-Dri™) valves
- ☐ locking mechanism
- ☐ loading arm handle
- ☐ other: _____
- ☐ sight glass
- ☐ D-handle
- ☐ ball handle
- ☐ bucket hook
- ☐ safety breakaway

Section 5: Site Limitations

Providing the following information will help ensure that the loading arm performs as expected when in service.

A: 65 degrees
B: 24 degrees



Standard Range of Motion

a. Ceiling or roof height from riser pipe connection distance: _____

b. Additional items being added by the customer (vapor hoses, drip buckets, hold-down chains, etc.) and estimated weight (pounds): _____

Sketches/Notes:

_____

_____

_____

_____

_____

API Bottom Rack Loading Fittings

Application

- Combined with API adaptors, these couplers are suitable for rail car and tank truck loading or unloading.

Features

- The locking five-cam design provides easy alignment and a tight connection
- Modular design allows various face seal combinations to be compatible with different alternative fuels, performance levels, and applications
- Shaft seals can be changed without removing the coupler from the loading arm
- The fully interlocked collar cannot be opened when connected and cannot be disconnected when opened
- Replaceable seal design while coupler is on the loading arm
- 4" TTMA inlet mounting flange connection
- Ball-end handle for easy and comfortable operation
- No special tools are needed for maintenance

Specifications

- Fully compliant with API RP1004:2003
- Seal operating temperature:
- Baylast: -20°F to 250°F (-28°C to 121°C)
- EPDM: -40°F to 250°F (-40°C to 120°C)
- FFKM: 0°F to 400°F (-18°C to 204°C)
- FKM-B: -10°F to 400°F (-23°C to 204°C)
- FKM-GFLT: -20°F to 400°F (-28°C to 204°C)
- Fluorosilicone: -50°F to 300°F (-40°C to 149°C)
- Hifluor: 23°F to 350°F (-5°C to 176°C)
- Flow rate: 600 GPM at 3 PSI pressure drop, maximum flow rate: 1,000 GPM
- Fully compliant with API RP1004:2003 specifications
- Burst tested: 450 PSI

Compatibility

Chemical Compatibility FKM Seals

- Gasoline
- Diesel
- Jet Fuel
- Avgas
- 100% ethanol
- 100% methanol
- 100% biodiesel
- Any blend of the above fluids

Chemical Compatibility Baylast Seals

- Gasoline
- Diesel
- Avgas
- 100% ethanol
- 100% methanol
- B2 to B20 biodiesel blends

Material

- Body: hard-coated anodised 356T6 aluminium
- Shroud: hard-coated anodised 356T6 aluminium
- Link, Shaft, Pin & Crank: hardened 17-4PH stainless steel
- Cam: CF8M stainless steel
- Poppet & Bearing: Bayloy
- Seal Options: Baylast™, EPDM, FFKM, FKM-B, FKM GFLT, fluorosilicone, and Hifluor





5500RK24

Part Numbers	Max Flow Rate (LPM)	Weight W(kgs)	Seal Material
5500BL	2272	11.3	Baylast™
5500B	2272	11.3	FKM-B
5500G	2272	11.3	FKM-GFLT

Product Group: AS09



5354P1



5204H

Replacement Parts

Part Numbers	Description
5500RK21	Small parts kit for 5500 series rack coupler
5500RK22	Aluminium replacement handle kit with bolt and nut
5500RK23	Stianless steel replacement handle kit with bolt and nut
5500RK24	Locking handle kit
5500RK25	Aluminium short handle replacement kit with bolt and nut
5500RK26	Replacement poppet kit with links, pins, and cotter pin
5500RK27	Replacement seal cylinder - no seal
5500RK51	Replacement FKM-GFLT bearing kit for 5500
5354P1	API coupler plug
5204H	API coupler hanger (parking adaptor)

Product Group: AS09

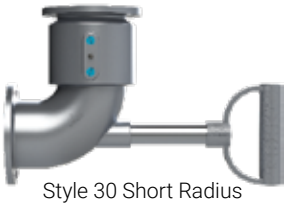
Loading Arm Swivels

Features

- TTMA-flanged loading arm swivel with heavy-duty D-style shovel handle
- Shovel handle is used to guide the connection of the API load coupler to the adaptor on the tank truck
- Long radius elbow improves the flow into the API load coupler and provides spacing between the load arm and the tank truck
- FKM-A swivel seals are compatible with ethanol blended fuel
- Can be used with flange extensions
- TTMA flanges on both ends

Material

- Aluminium



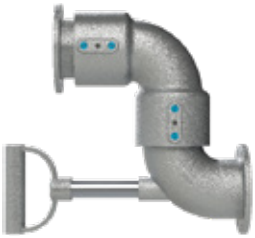
Style 30 Short Radius



Style 30 Long Radius



Style 40



Style 50 - D Handle



Style 50 - Ball Handle

Description	Handle	Seal	Part Numbers	
			3"	4"
Style 20	No Handle	Nitrile Rubber	320TFXTFAL00000	420TFXTFAL00000
		FKM-A	320TFXTFAL11000	420TFXTFAL11000
Style 30 short radius	D-Handle	Nitrile Rubber	33HTFXTFAL00000	43HTFXTFAL00000
		FKM-A	33HTFXTFAL11000	43HTFXTFAL11000
	Ball Handle	Nitrile Rubber	33BTFXTFAL00000	43BTFXTFAL00000
		FKM-A	33BTFXTFAL11000	43BTFXTFAL11000
	No Handle	Nitrile Rubber	330TFXTFAL00000	430TFXTFAL00000
		FKM-A	330TFXTFAL11000	430TFXTFAL11000
Style 30 long radius	D-Handle	Nitrile Rubber	-	43HTFXTFAL00000
		FKM-A	-	43HTFXTFAL11000
	Ball Handle	Nitrile Rubber	-	43BTFXTFAL00000
		FKM-A	-	43BTFXTFAL11000
	No Handle	Nitrile Rubber	-	430TFXTFAL00000
		FKM-A	-	430TFXTFAL11000
Style 40	D-Handle	Nitrile Rubber	34HTFXTFAL00000	44HTFXTFAL00000
		FKM-A	34HTFXTFAL11000	44HTFXTFAL11000
	Ball Handle	Nitrile Rubber	34BTFXTFAL00000	44BTFXTFAL00000
		FKM-A	34BTFXTFAL11000	44BTFXTFAL11000
	No Handle	Nitrile Rubber	340TFXTFAL00000	440TFXTFAL00000
		FKM-A	340TFXTFAL11000	440TFXTFAL11000
Style 50	D-Handle	Nitrile Rubber	35HTFXTFAL00000	45HTFXTFAL00000
		FKM-A	35HTFXTFAL11000	45HTFXTFAL11000
	Ball Handle	Nitrile Rubber	35BTFXTFAL00000	45BTFXTFAL00000
		FKM-A	35BTFXTFAL11000	45BTFXTFAL11000
	No Handle	Nitrile Rubber	350TFXTFAL00000	450TFXTFAL00000
		FKM-A	350TFXTFAL11000	450TFXTFAL11000

Product Group: AS09

Replacement Parts

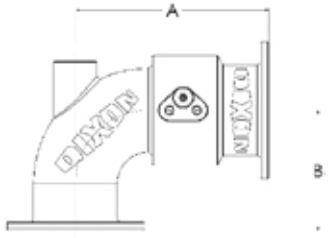
Part Numbers	Description
ATN100X7	100mm (4") schedule 80 aluminium nipple
100HAN-AL	D style heavy-duty shovel handle
100BHAN-AL	Ball style handle
4RKOBU	Nitrile Buna seal kit
4RKOVIVI	FKM seal kit

Product Group: AS09



Tank Truck Flange x Tank Truck Flange



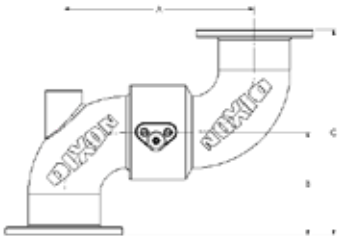


Style 30

Size (inch)	Part Numbers	Material	Weight (kg)	Dimensions	
				A	B
2	230TFXTF	OC - Carbon Steel	3.67	143.0	130.0
		OS - Stainless Steel	3.08		
		AL - Aluminium	2.09		
3	330TFXTF	OC - Carbon Steel	6.53	215.9	111.1
		OS - Stainless Steel	6.69		
		AL - Aluminium	2.82	196.9	125.4
4	430TFXTF	AL - Aluminium	5.44	225.4	140.49

Product Group: AS09





Style 40

Size (inch)	Part Numbers	Material	Weight (lbs)	Dimensions		
				A	B	C
2	240TFXTF	OC - Carbon Steel	3.79	191.3	130.0	260.4
		OS - Stainless Steel	3.79			
		AL - Aluminium	1.80	169.9		
3	340TFXTF	OC - Carbon Steel	7.85	257.2	111.1	222.3
		OS - Stainless Steel	8.04			
		AL - Aluminium	3.31	232.2	125.4	250.8
4	440TFXTF	AL - Aluminium	7.71	269.9	166.7	333.4

Product Group: AS09

TTMA Flanged Breakaway Coupling

Features

- Minimises spillage and damage associated with drive-away and pull-away incidents
- Installs between an API coupler and the loading arm
- Coupling automatically senses excessive load, closes the valves and disconnects, release is executed when a force causes the bolts to break
- High flow rate/low-pressure drop
- 150 PSI at ambient temperature 21°C
- FKM/FPM is the standard seal

Material

- Aluminium



Size		Part Number	Description
mm	inch		
100	4	SBC400ALTTMA	FKM seal kit

Product Group: AS09

Split Flange Swivels - Style 20

Application

- Used in petroleum, blending plants, petrochemical, refining, mining, distilling, paint plants, farm irrigation and fertlilising, wastewater treatment, food and beverage process equipment, and marine.

Features

- The bearing pack design allows easy seal change without removing the ball bearings
- Simple maintenance: remove one nose piece, replace the seal pack, and reinstall with little downtime
- Instream seal separates the wetted area from ball bearings allowing for longer bearing pack life over conventional swivels
- Wide-set bearing race for higher moment loads
- Compact design for low-profile applications

Materials

- Bearing pack: through-hardened forged high-carbon alloy
- Material contact surfaces: stainless steel or carbon steel nose pieces

Specifications

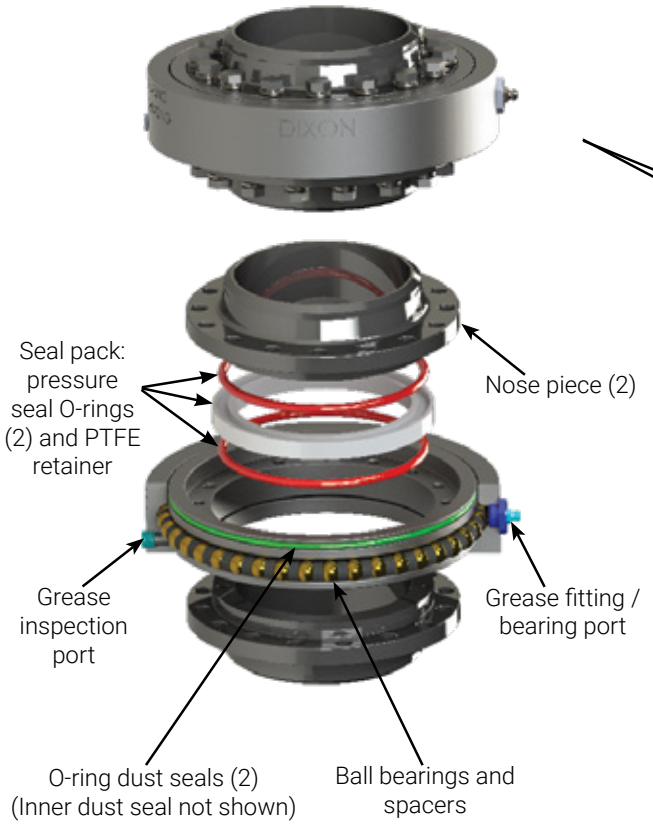
- Pressure rating: up to 600 PSI
- Temperature: -40°C to 232°C (-40°F to 450°F) depending on seal material - standard seals: 177°C (350°F)

Available options

- Stock end configurations: 150 lb. and 300 lb. flanges, FNPT, butt weld, the others per request
- Stock seals: Baylast™, FKM, PTFE, the others per request
- Full penetration weld



150# Flange x 150# Flange





Size	Part Numbers			
	Carbon Steel Weld x Weld with Baylast Pressure Seals	Carbon Steel Weld x Weld with FKM Pressure Seals	Carbon Steel 150# Flange x 150# Flange with Baylast Pressure Seals	Carbon Steel 150# Flange x 150# Flange with FKM Pressure Seals
2"	SF220WXWCS00	SF220WXWCS10	SF220FGXFGCS00	SF220FGXFGCS10
3"	SF320WXWCS00	SF320WXWCS10	SF320FGXFGCS00	SF320FGXFGCS10
4"	SF420WXWCS00	SF420WXWCS10	SF420FGXFGCS00	SF420FGXFGCS10

Product Group: AS09

Split Flange Swivel Components



Split Flange Bearing Packs

Size (inch)	Part Numbers	Material
2"	2SFBP	Carbon steel
3"	3SFBP	Carbon steel
4"	4SFBP	Carbon steel

2 required per bearing pack

Product Group: AD09



Split Flange Nose Pieces

Size (inch)	Part Numbers	
	Carbon Steel	316 Stainless Steel
2"	2SFNPCS	2SFNPSS
3"	3SFNPCS	3SFNPSS
4"	4SFNPCS	4SFNPSS

Product Group: AD09



Seal Kits

Size (inch)	Part Numbers		
	Baylast	FKM	PTFE
2"	2SFSK-BAYLAST	2SFSK-VI	2SFSK-TES
3"	3SFSK-BAYLAST	3SFSK-VI	3SFSK-TES
4"	4SFSK-BAYLAST	4SFSK-VI	4SFSK-TES

- Kits contains: seal, PTFE retainer, carbon steel bolts
- 1 required per bearing pack

Product Group: AD09

Split Flange Swivels Ordering Information

Size:	Material:
Style (shape):	Maximum working pressure:
End configuration:	Temperature range:
Media: specify product being handled (if chemical, advise concentration):	
If for suction service, advise maximum vacuum in inches of mercury (Hg):	

Example: SF [A] 2 [B] 20 [C] F [D] X F [D] CS [E] 1 [F] 1 [G]

A Split Flange	SF							
B Size	2 2 Inch			3 3 Inch			4 4 Inch	
C Style	20 Style 20	30 Style 30	40 Style40	50 Style 50	60 Style 60	70 Style 70	60 Style 60	80 Style 80
D End Connections	W Weld End		F Female NPT	FG 150# Flange	TF Tank Truck Flange	PF 300# Flange	BP BSP Parallel	BT BSP Tappered
E Nose Piece	CS (V-ring) Carbon Steel			SS (V-ring) 316L Stainless Steel				
F Seal Material	0 Baylast	1 FKM	2 PTFE	3 Ethylene Propylene (Requires Silicone Grease)		4 FDA Nitrile Rubber		
G Welding	0 Standard			1 Full Penetration				

TTMA Flange Extensions

Application

- Used to connect an API coupler to a loading arm. Provides a specified parting point to prevent excessive damage to the loading arm.

Features

- Adds a 150mm (6") space to allow for clearance between the loading arm and the tank truck
- Colour coded for product identification
- Other colours available upon request

Material

- Aluminium powder coated aluminium

Size		Part Numbers	Description
mm	inch		
100	4	TETF4AL	TTMA flange extension
100	4	TETFG4AL	TTMA flange extension with groove
100	4	TETF4ALFP50	TTMA flange extension with 12mm (½") female NPT port
100	4	TETF4ALFP75	TTMA flange extension with 20mm (¾") female NPT port
100	4	TETF4AL-W	TTMA flange extension - colour coded white
100	4	TETF4AL-B	TTMA flange extension - colour coded blue
100	4	TETF4AL-G	TTMA flange extension - colour coded green
100	4	TETF4AL-R	TTMA flange extension - colour coded red
100	4	TETF4AL-Y	TTMA flange extension - colour coded yellow
100	4	TETF4AL-O	TTMA flange extension - colour coded orange
100	4	TETF4AL-BLK	TTMA flange extension - colour coded black
100	4	TETF4AL-G/Y	TTMA flange extension - colour coded green & yellow
100	4	TETF4AL-B/W	TTMA flange extension - colour coded blue & white
100	4	TETF4AL-B/R	TTMA flange extension - colour coded blue & red
100	4	TETF4AL-W/R	TTMA flange extension - colour coded white & red
100	4	TETF4AL-R/W/B	TTMA flange extension - colour coded red, white & blue

Product Group: AS09



TTMA Flanged Extension Reducing Spools

Size		Part Numbers	Material	Description
mm	inch			
80 x 100	3 x 4	TETF3X4AL	Aluminium	TTMA flange extension reducing spool
		TETF3X4CS	Carbon Steel	TTMA flange extension reducing spool
		TETF3X4SS	Stainless Steel	TTMA flange extension reducing spool

Product Group: AS09


TETFG4AL-Y

FloTech™ Rack Monitor

API Compatible Systems

Application

- Installed on the gantry to control the loading process of petroleum fuels or other hazardous liquids into cargo tanks.

Features

- Automatically switches between 2-wire or 5-wire type sensors
- Compatible with analog 2-wire thermistor-type sensors
- Redundant relay outputs prevent single-point failures
- Data management via RS485 port
- Wireless bypass key system
- Ground verification
- Reads trailer identification modules

How it Works

- Interconnect between rack monitor and rack cord

Approvals

- Meets API RP1004 and EN13922 standards
- Suitable for Class I, Division 1, Group CD and Class I, Zone 1, Group IIB
- Rated to IP66



Rack Monitor System

Rack Monitor FT7000



FT7500



FT7501



FT7502



Part Numbers	Description
FT7000	Rack monitor, auto switch between 2-wire/5-wire sensors, ground verification and trailer identification modules; API RP 1004/EN13922
FT7500	Single cord junction box
FT7501	Dual cord junction box
FT7502	Junction box with cole hersee yellow 13-pin break-away

Product Group: AS06

Rack Cord Assemblies

Application

- API loading rack cords are used to connect the loading rack monitor to the socket on the fuel tanker.

Features

- Heavy-duty cords are available in coiled or straight lengths
- The plug body is colour-coded optic blue or thermistor green
- 316 stainless steel button contacts prevent corrosion and galling
- Cord sets are interchangeable with Civacon rack cords

Materials

- Rack plug and cords are reinforced nylon
- Contact pins, button contacts and hardware are stainless steel to prevent corrosion or galling



FT600C



FT640-4

Part Numbers	Description	Length (mtr)	Pins	J-slot
FT600C	Plug with orange coiled cord	9	10	4
FT600SC	Plug with orange straight cord	6	10	4
FT600CP	Plug with orange coiled cord	9	10	4
FT640-3	Plug with blue coiled cord	9	10	3
FT640-4	Plug with blue coiled cord	9	10	4

Product Group: AS06

Replacement Parts

Part Numbers	Description	Length (mtr)	Pins	J-slot
FT601-10	Replacement plug body	-	10	4
FT602	Replacement coiled cable	9	-	-
FT603	Plug hanger	-	-	4

Product Group: AS06

Maintenance & Repair 650

Hydrostatic Test Pumps 650

Hand Hydrotest Pump 650

PTFE Thread Tape 650

Stretch Straps 651

Self Stick Safety Tape.....651

Dixon™ Coupling Lubricant.....651

Dixon™ Diameter Tape 652

Dixon™ Soft Hose Mallet.....652

Dixon™ Hose Knife.....652

Coupling Inserters.....652

Tubing Cutter & Blade.....653

Hose Cutter & Blade 653

Hose & Tubing Cutter & Blade.....653

Rapp-it Pipe Repair Kit 654

Thread Sealant Paste 654

Hydrostatic Test Pumps

Application

- A safe, cost-effective pump to test the hose before putting it into service.

Features

Pneumatic

- 5.5 gpm fill rate
- Test pressure: 0 - 1500 PSI
- Stainless steel interior
- Air gauge for quick, easy adjustment of maximum test pressure
- High-pressure test gauge
- Filter/regulator for clean, dry air to ensure the long life of the unit
- On/off valve for air input
- 15 feet of hose included
- Use of coalescing filter and water filter recommended for prolonged life

Features

Electric

- 1.3 GPM fill rate (at 60 PSI inlet water pressure)
- Test pressure: maximum 3000 PSI
- The suction strainer keeps dirt out of the pump
- 110 volt portable hydrostatic electric pump
- 0 – 3000 PSI back mount liquid filled pressure gauge
- Quick connect garden hose coupler for water supply line available
- 6 feet power cord



Pneumatic

Part Number
PTP

Product Group: AU02



Electric

Part Number
ETP

Product Group: AU02

Hand Hydrotest Pump

Application

- Designed for use in testing pipelines, pressure tanks, and pressure vessels.

Features

- Stainless steel piston, aluminium body
- Uses efficient and long-lasting check valves
- Cylinder displacement: 1.37 cubic inches
- 0 - 1000 PSI pressure gauge, 10 feet of pressure hose and quick disconnect coupler included
- Piston: 7/8" with 2" stroke



Inlet Size		Outlet Size		Part Number	Working Pressure (PSI)
mm	inch	mm	inch		
12.7	½	12.7	½	HHTP	1000

Product Group: AU02

PTFE Thread Tape

Specifications

- Mil spec: MIL - T-37730A
- Thickness: 0.09mm
- Density: 0.4G/CM3C
- Tape Length: 13 metres



Tape Width (mm)	Tape Length (mtr)	Part Numbers	Description
12	13	TTB50	PTFE thread tape 12mm
25	13	TT25MM	PTFE thread tape 25mm

Product Group: HA01

Stretch Straps

Application

- A durable tie down strap.

Material

- Straps are EPDM
- S-hooks are steel

- Do not exceed the maximum safe stretch
- Inspect before each use
- Do not use if the strap is cut, cracked or abraded
- Inspect hooks for damage and/or wear, and replace them if needed
- Protect strap from sharp edges or heat
- Wear eye protection during use
- Do not use this product as the primary tie down
- Refer to federal or state regulations for proper tie-down methods

Strap Length (mm)	Part Numbers
250	SSE10
380	SSE15
530	SSE21
790	SSE31
1040	SSE41



Product Group: AU02

Self Stick Safety Tape

Application

- Dixon strongly recommends the use of a safety tag or warning label on all hose assemblies. The safety tape reads:

WARNING

- Worn-out hose fittings should be replaced
- Loose clamps on hose can be dangerous
- Bolt type clamps should be retensioned regularly
- For extra safety, retaining devices such as clips, chains or cables must be used

Size		Part Number
Width (mm)	Length (mtrs)	
15	50	DSTW



Approximately 255 warnings

Product Group: AU02

Dixon™ Coupling Lubricant

Features

- Biodegradable lubricant for coupling shanks, O-rings, hoses, sleeves, rubber washers, and grommets
- Once the coupling lubricant drys, the slipping action goes away

Volume (ltr)	Part Numbers
1	DCL20
4	DCL80



Product Group: AU02

Dixon™ Diameter Tape

Application

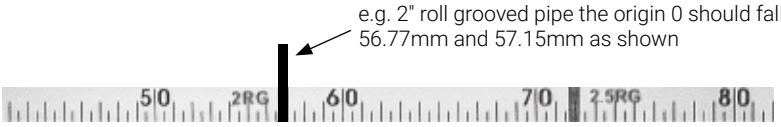
- An accurate groove depth is critical to the performance of any grooved piping system. Get it right with Dixon's™ diameter tape with roll grooved dimensions.

How To Use Dixon's™ Diameter Tape

- Place the diameter tape around the pipe or hose to be measured
- For grooved pipe, check that the tape is sitting flat on the base of the groove, around the entire circumference
- Measure the diameter
- This measurement is taken by reading the point along the tape that lines up '0'

Using Groove Depth Markings

- If the groove is within specification, the origin '0' will fall within the relevant tolerance band
- If the groove is outside specification, the '0' will be outside the relevant tolerance band





Part Number
DDTM

Product Group: AU02

Dixon™ Soft Hose Mallet

Applications

- Soft mallet for pounding metal objects without damaging them. The head material won't crack and is firmly attached to a strong shaft handle.



Length (inch)	Part Number	Weight (kg)
24"	DCM1	4.8

Product Group: AU02

Dixon™ Hose Knife

Applications

- For fast cutting of rubber hose and belting. The guard protects hand while cutting.



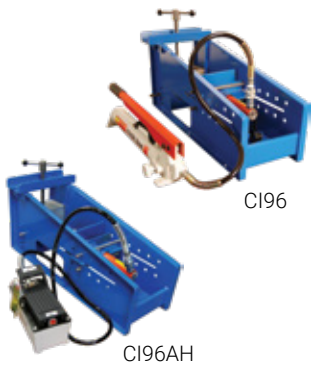
Part Number
DRK15

Product Group: AU02

Coupling Inserters

Applications

- For insertion of hose shanks into a hose with a 70mm to 181mm OD.



CI96

CI96AH

Part Numbers	Description
CI96	Supplied with a 10,000 PSI hand pump and 5 tonne ram
CI96AH	Supplied with a 10,000 PSI air/hydraulic pump and 5 tonne ram
CI9311SML	Small jaws for 25mm to 75mm OD hose

Product Group: AU01

Tubing Cutter & Blade

Application

- Designed for cutting hose or tube up to 20mm (¾").

Features

- Cuts up to 20mm tubing or hose
- Compact and lightweight
- Corrosion-resistant hardened steel blade ensures straight, crisp cuts for optimum fit
- Leaves tube unaltered after the cut

Part Numbers	Description
TC97	Cutter
TC97RB	Replacement blade

Product Group: AU02



Hose Cutter & Blade

Features

- Cuts low pressure fabric reinforced hose up to 25mm OD
- Reversible blade

Part Numbers	Description
HC90	Cutter
HC90RB	Replacement blade

Product Group: AU02



Hose & Tubing Cutter & Blade

Features

- Cuts hose and tubing up to 48mm OD
- PE tube up to 40mm ID
- PVC tube up to 32mm ID
- Stainless steel blade

Part Numbers	Description
LHC95	Cutter
LHC95RB	Replacement blade

Product Group: AU02



Rapp-it Pipe Repair Kit

Application

- Temporary emergency repair pipe bandage for cracked, fractured, damaged, and leaking pipes. Bonds to most pipes: steel, poly pipe, PVC, fibreglass, and coppers.

Features

- Suitable for wet or dry pipe
- Resistant to hydrocarbons, ketones, esters, alcohols, halocarbons, aqueous salt solutions, and dilute acids/bases
- Suitable for use on acid lines, gas, most diluted chemicals, sea waters, fuels and oil
- Tenacious bond: 5 to 10 minutes; functional cure: approximately 30 minutes
- Quickly contains leaking substances, keeping a workplace safe

Specifications

- Both Rapp-it bandage and Rapp-it steel putty are compliant with Australian Standard (AS/NZS 4020:2005)
- Rapp-it steel putty is compliant with the equivalent US Standard NSF 61

Material

- Water-activated polyurethane

Working Pressure

- 360 PSI

How It Works

- Shut down pipes
- Apply gloves, then thoroughly clean and roughen the damaged pipe area with a metal file or wire brush. A clean, rough surface results in a successful repair
- Knead steel putty until it is a uniform grey colour. Apply firmly to the damaged area within 2-5 minutes of mixing
- Open the foil pouch and soak the bandage in freshwater for 10 seconds
- Squeeze the bandage 1-2 times while in the water to help activation. It is important to apply the bandage before the putty is cured
- Quickly wrap the bandage around the damaged area, extending 50mm on either side of the leak
- Pull each layer tightly and firmly throughout the application, using your hand to mould and squeeze the layers together in a tightening motion. Continue to squeeze the bandage with a rotating motion until the resin stops foaming and is set
- Allow a minimum of 30 minutes for the Rapp-it bandage to set rock-hard



Size (mm)	Part Numbers	Description
50 x 3.6	RAP122	Repair kit includes: 1 x woven fibreglass bandage infused with water Activated resin and 1 x 90mm stick of rapp-it steel putty
75 x 3.6	RAP123	
100 x 3.6	RAP124	
100 x 4.8	RAP164	
100 x 9.0	RAP305	

Product Group: MS04

Thread Sealant Paste

Application

- Not for use in oxygen applications.

Specifications

- Temperature range: -45°C to 204°C (-50°F to 400°F)



Size (grams)	Part Numbers
150	LCTS14
300	LCTS1
600	LCTS2
1200	LCTS3

Product Group: AU02

General Technical Information 656

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When it is not possible to identify the thread 656
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Identifying Pipe Threads

Identifying threads can pose a significant challenge when selecting couplings, often leading to frustration. Nonetheless, the correct thread combination is crucial for establishing a functional and safe connection.

To comprehensively identify a thread, factors such as diameter, threads per inch (TPI), and thread pitch are essential. The use of ring, plug, and GO/NOGO gauges are necessary for precise thread identification. In situations where these gauges are unavailable in the field, thread leaf gauges come in handy for determining the "Threads Per Inch" (TPI) and thread pitch.

For threads confirmed as straight threads, calipers prove useful in measuring the "Outside Diameter of the Male" (ODM) or the "Inside Diameter of the Female" (IDF). Calipers can also be employed to measure tapered thread diameters, although this is more intricate due to the taper. Thankfully, tapered threads are relatively rare and can often be identified through the nominal ODM and TPI.

However, recognising the thread type may not fully satisfy the requirements of a mating fitting. The primary determinant of the thread type used is the application. Dixon™ offers a diverse range of products featuring various threads designed for use with hoses, pipes, and hydraulic systems.

When selecting a fitting, it is advisable to first determine the thread it needs to connect to. This may entail consulting a fitting or equipment manufacturer for guidance. It's worth noting that the thread specifications for fire hoses and equipment in local municipal fire departments and hydrants can vary according to local standards. To identify these specifications accurately, reaching out to the local fire department responsible for the hydrant is often the most straightforward approach. The most commonly used thread on fire equipment is the National Standard Thread (NST), also known as National Hose Thread (NH).

When it is not possible to identify the thread

1) Determine the number of threads per inch by measuring the distance from peak of thread to peak of thread across the largest number of whole threads. Then divide the number of threads by the measurement (this will provide the TPI)

2) Check to see if the thread is straight or tapered

a) Straight Threads

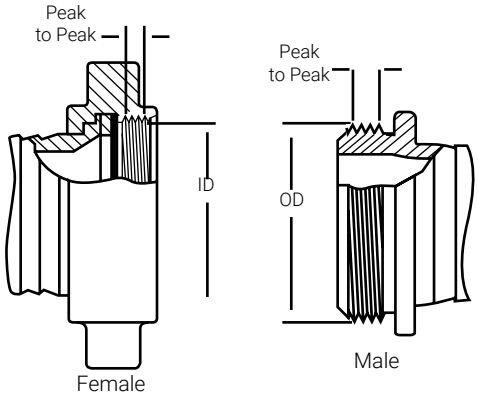
Measure the "Outside Diameter of the Male" (ODM) or the "Inside Diameter of the Female" (IDF), from peak of thread to peak of thread

b) Tapered Threads

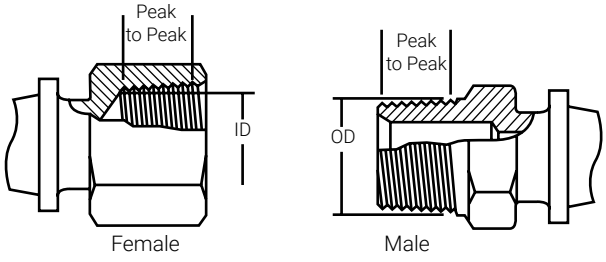
Measure the "Outside Diameter of the Male" (ODM) at the large end and the small end, or the "Inside Diameter of the Female" (IDF) at the large end and the small end, from peak of thread to peak of thread. Then measure the Outside Diameter (OD) of the unthreaded pipe

Once the application and these two pieces of information have been determined, the thread can generally be determined. For further assistance Contact Dixon™.

STRAIGHT THREAD



TAPERED THREAD

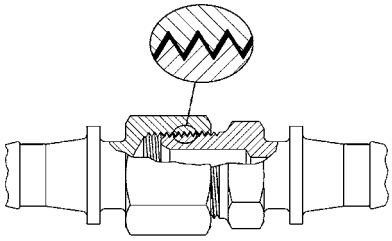


- It is important to identify the threads required before ordering couplings

Pipe Threading Information

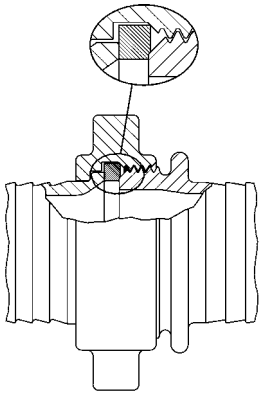
Abbreviation	System Name	Compatibility	Seal Method
BSPP	British Standard Pipe Parallel	Male BSPP with Female BSPP Female BSPP with Male BSPP Female BSPP with Male BSPTr	Washer Washer Washer
BSPTr	British Standard Pipe Taper	Male BSPTr with Female BSPTr Male BSPTr with Female BSPP Female BSPTr with Male BSPTr Female BSPTr not compatible with Male BSPP	Thread Washer Thread
CHT	American Standard Fire Hose Thread (1" National Hose Thread is Chemical Hose Thread, also known as Booster Hose Thread)	1" Male NH (NST) with 1" Female NH (NST) 1"Female NH (NST) with 1" Male NH (NST) 1" Thread is used on both 3/4" hose and 1" hose. Not compatible with other systems	Washer Washer
GHT	Garden Hose Thread	Male GHT with Female GHT Female GHT with Male GHT Thread is same for all size hose Not compatible with other systems	Washer Washer
IPS	Iron Pipe Straight Thread	Generic Name for Straight Pipe Thread See NPSH for compatibility	Washer
IPT	Iron Pipe Thread	Generic Name for All Pipe Thread	
JIC	Joint Industrial Council	Used with other mating JIC threads	Mechanical
NH or NST	American Standard Fire Hose Coupling Thread (National Hose thread also known as National Standard Thread)		Washer Washer
NPT	American Standard Taper Pipe Thread (National Pipe Tapered)	Male NPT with Female NPT Male NPT with Female NPTF Male NPT with Female NPSM Male NPT with Female NPSH Female NPT with Male NPT Female NPT with Male NPTF Female NPT not compatible with Male NPSM or Male NPSH	Thread Thread Washer Washer Thread Thread
NPTF	American Standard Taper Pipe Fuel Dryseal Thread	Male NPTF with Female NPTF Male NPTF with Female NPT Male NPTF with Female NPSM Male NPTF with Female NPSH Female NPTF with Male NPTF Female NPTF with Male NPT Female NPTF with Male NPSM or NPSH Note: NPTF with NPTF threads do not require sealant for the initial use. After that, sealant is required.	Thread Thread Washer Washer Thread Thread Not Compatible
NPSH	American Standard Straight Pipe for Hose Couplings (National Pipe Straight Hose)	Male NPSH with Female NPSH Female NPSH with Male NPSH Female NPSH with Male NPT Female NPSH with Male NPTF Female NPSH with Male NPSM	Washer Washer Washer Washer Washer
NPSM	American Standard Straight Mechanical Joints (National Pipe Straight Mechanical)	Male NPSM with Female NPSM Male NPSM with Female NPSH Female NPSM with Male NPSM Female NPSM with Male NPT Female NPSM with Male NPTF	Seal can be either mechanical or washer. Mating fittings must be of same type.
SIPT	Straight Iron Pipe Thread	Generic name for Straight Pipe Thread	Washer
TIPT	Tapered Iron Pipe Thread	Generic name for Tapered Pipe Thread	Thread

Pipe Thread Sealing Tips



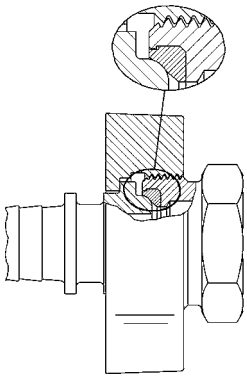
Thread Seal Type

- A seal is obtained by applying a sealant to the male thread before engaging
- The sealant is used to prevent spiral leakage
- Thread tape or paste is the preferred sealant in this type of application



Washer Seal Type

- A seal is obtained when the male thread is tightened down onto the washer of the female assembly
- The washer should be inspected regularly and replaced as needed to prevent leakage



Mechanical Seal Type

- A seal is obtained through metal to metal contact or metal to seal contact, ie JIC couplings have a metal to metal seal. EZ-Boss™ Ground Joint couplings have a metal to seal contact (as shown above)
- The couplings should be retightened as needed to prevent leakage

Thread Sealing Tips

Sealing NPT threads can be an exasperating experience if certain techniques are not followed. The following tips will help alleviate many common problems in thread sealing:

1. Always use some type of sealant (tape or paste) and apply a sealant to the male thread only. If using a hydraulic sealant, allow sufficient curing time before the system is pressurised

2. When using tape sealant, wrap the threads in a clockwise motion starting at the first thread and, as layers are applied, work towards the imperfect (vanishing) thread. If the system that the connection is being made to cannot tolerate foreign matter (i.e. air systems), leave the first thread exposed and apply the tape sealant as outlined above

3. When using paste sealant, apply it to threads with a brush, using the brush to work the sealant into the threads. Apply enough sealant to fill in all the threads all the way around

4. When connecting one stainless steel part to another stainless steel part that will require future disassembly, use a thread sealant that is designed for stainless steel. This stainless steel thread sealant is also useful when connecting aluminium to aluminium that needs to be disconnected in the future. These two materials gall easily, and if the correct sealant is not used, it can be next to impossible to disassemble

5. When connecting parts made of dissimilar metals (ie steel & aluminium), standard tape or paste sealant performs satisfactorily

6. For sizes 2" and below, tape or paste performs satisfactorily. When using thread tape, four wraps (covering all necessary threads) are usually sufficient

7. For sizes 2½" and above, thread paste is recommended. If thread tape is used, eight wraps (covering all necessary threads) are usually sufficient. Apply more wraps if necessary

8. For stubborn-to-seal threads, apply a normal coating of thread paste followed by a normal layer of thread tape

9. For extremely stubborn to-seal threads, apply a normal coating of thread paste followed by a single layer of gauze bandage followed by a normal layer of thread tape

Caution!

When this procedure is done, the connection becomes permanent. Extreme measures will be necessary to disconnect these components. All other measures to seal the threads should be explored prior to use of this technique

10. Over-tightening threads can be just as detrimental as insufficient tightening. For sizes 2" and below, hand tighten the components and, with a wrench, tighten 3 full turns. For sizes 2½" and above, hand tighten the components and, with a wrench, tighten 2 full turns

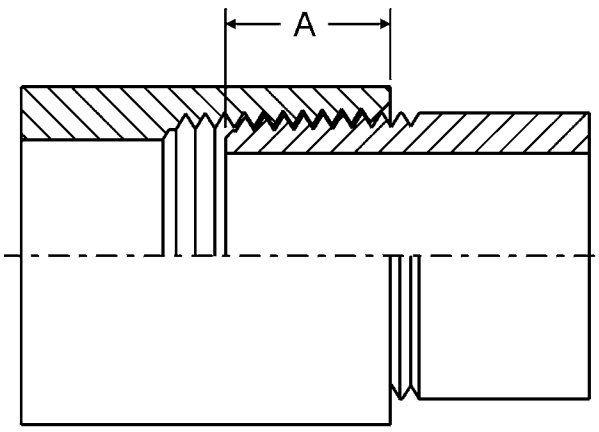
Nominal Dimensions of Standard Pipe Threads

ODM - Outside Diameter of the Male
IDF - Inside Diameter of the Female
TPI - Threads Per Inch

Size (inch)	Pipe OD	Tapered Threads		Straight Threads											
		NPT	BSPT	NPSH			NPSM			NST (NH)			BSPP		
		TPI	TPI	TPI	ODM (max)	IDF (min)	TPI	ODM (max)	IDF (min)	TPI	ODM (max)	IDF (min)	TPI	ODM (max)	IDF (min)
1/8	.405	27	28	-	-	-	27	0.397	0.358	-	-	-	-	0.383	0.337
1/4	.504	18	19	-	-	-	18	0.526	0.468	-	-	-	-	0.516	0.450
3/8	.675	18	19	-	-	-	18	0.662	0.603	-	-	-	-	0.656	0.588
1/2	.840	14	14	14	0.8248	0.7395	14	0.823	0.747	-	-	-	-	0.825	0.733
3/4	1.050	14	14	14	1.0353	0.9500	14	1.034	0.958	8	1.375	1.2246	-	1.041	0.950
1	1.315	11.5	11	11.5	1.2951	1.1921	11.5	1.293	1.201	8	1.375	1.2246	11	1.309	1.193
1-1/4	1.660	11.5	11	11.5	1.6399	1.5369	11.5	1.638	1.546	-	-	-	11	1.650	1.534
1-1/2	1.900	11.5	11	11.5	1.8788	1.7758	11.5	1.877	1.785	9	1.990	1.8577	-	1.882	1.766
2	2.375	11.5	11	11.5	2.3528	2.2498	11.5	2.351	2.259	-	-	-	11	2.347	2.231
2-1/2	2.875	8	11	8	2.8434	2.6930	8	2.841	2.708	7.5	3.068	2.9104	11	2.960	2.844
3	3.500	8	11	-	-	-	8	3.467	3.334	6	3.623	3.5306	11	3.460	3.344
4	4.500	8	11	-	-	-	8	4.466	4.333	4	5.010	4.7111	-	4.450	4.334
4-1/2	-	-	-	-	-	-	-	-	-	4	5.760	5.4611	11	-	-
5	5.563	8	11	-	-	-	8	5.528	5.395	4	6.260	5.9602	11	5.450	5.359
6	6.625	8	11	-	-	-	8	6.585	6.452	4	7.025	6.7252	-	6.450	6.359
8	8.625	8	-	-	-	-	-	-	-	-	-	-	-	-	-
10	10.750	8	-	-	-	-	-	-	-	-	-	-	-	-	-
12	12.750	8	-	-	-	-	-	-	-	-	-	-	-	-	-

GHT (3/4") - 1.0625 ODM, 11-1/2 TPI
NOTE: Female NPT (Tapered Pipe) thread is not available on hose swivel nuts. Dimensions in inches

Normal Engagement Length of NPT Thread



* Dimensions given do not allow for variations in tapping or threading.

Size (inch)	"A" (inch)
1/8	1/4
1/4	3/8
3/8	3/8
1/2	1/2
3/4	9/16
1	11/16
1-1/4	11/16
1-1/2	11/16
2	3/4
2-1/2	15/16
3	1
4	1-1/8
5	1-1/4
6	1-5/16
8	1-7/16
10	1-5/8
12	1-3/4

ANSI B16.5 Flange Table

(Class 150 & Class 300)

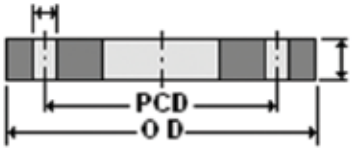
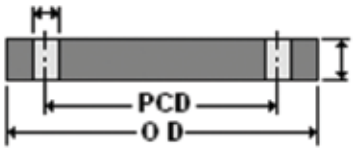


Plate Slip-On Welding



Blank

Nominal Bore Size (inch)	Class	Flange OD (mm)	PCD (mm)	No. of Bolts	Bolt (inch)	Bolt Hole Diameter (mm)	Flange Thickness (mm)
½	150	90	60.5	4	½	16	11.5
	300	95	66.5				14.5
¾	150	100	70	4	½	16	13
	300	120	82.5		⅝	20	16
1	150	110	79.5	4	½	16	14.5
	300	125	89		⅝	20	17.5
1¼	150	120	89	4	½	16	16
	300	135	98.5		⅝	20	19.5
1½	150	127	98.5	4	½	16	17.5
	300	155	114.5		¾	22	21
2	150	150	120.5	4	⅝	20	19.5
	300	165	127	8	⅝	20	22.5
2½	150	180	139.5	4	⅝	20	22.5
	300	190	19	8	¾	22	22.5
3	150	190	152.5	4	⅝	20	24
	300	210	168.5	8	¾	22	29
3½	150	215	178	8	⅝	20	24
	300	230	184		¾	22	30.5
4	150	230	190.5	8	⅝	20	24
	300	255	200		¾	22	32
5	150	255	216	8	¾	22	24
	300	280	235				35
6	150	280	241.3	8	¾	22	25.5
	300	320	270	12			37
8	150	345	298.5	8	¾	22	29
	300	380	330	12	⅞	26	41.5
10	150	405	362	12	⅞	26	30.5
	300	445	387.5	16	1	30	48
12	150	485	432	12	⅞	26	32
	300	520	451	16	1⅛	33	51
14	150	535	476	12	1	30	35
	300	585	514.5	20	1⅛	33	54
16	150	600	540	16	1	30	37
	300	650	571.5	20	1¼	36	57.5
18	150	635	578.5	16	1⅛	33	40
	300	710	628.5	24	1¼	36	60.5
20	150	700	635	20	1⅛	33	43
	300	775	689	24	1¼	36	63.5
24	150	815	749.5	20	1⅛	33	48
	300	915	813	24	1½	42	70
30	150	985	914	28	1¼	35	54
	300	1090	997		1¾	48	92
36	150	1170	1086	32	1½	41	60.3
	300	1270	1168		2	54	105

Flange Table

(Australian Standard 2129)

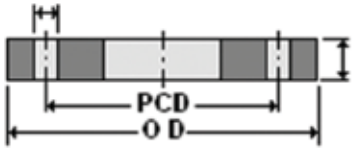
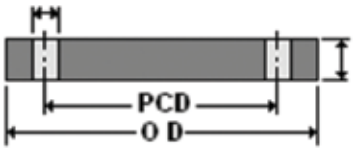


Plate Slip-On Welding

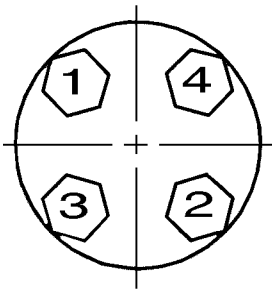


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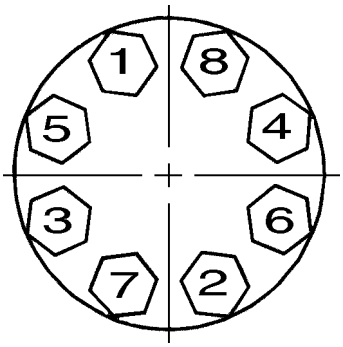
Nominal Bore Size (mm)	Table	Flange OD (mm)	PCD (mm)	No. of Bolts	Bolt	Bolt Hole Diameter (mm)	Flange Thickness (mm)
15	D	95	67	4	M12	14	5
	E						6
20	D	100	73	4	M12	14	5
	E						6
25	D	115	83	4	M12	14	5
	E						7
32	D	120	87	4	M12	14	6
	E						8
40	D	135	98	4	M12	14	6
	E						9
50	D	150	114	4	M16	18	8
	E						10
65	D	165	127	4	M16	18	8
	E						10
80	D	185	146	4	M16	18	10
	E						11
100	D	215	178	4	M16	18	10
	E			8			13
125	D	255	210	8	M16	18	13
	E						14
150	D	280	235	8	M16	18	13
	E				M20	22	17
200	D	335	292	8	M16	18	13
	E				M20	22	19
250	D	405	356	8	M20	22	16
	E			12			22
300	D	455	406	12	M20	22	22
	E				M24	26	25
350	D	525	470	12	M24	26	22
	E						29
400	D	580	521	12	M24	26	22
	E						32
450	D	640	584	12	M24	26	25
	E			16			35
500	D	705	641	16	M24	26	29
	E						38
600	D	825	756	16	M27	30	32
	E				M30	33	48

Flange Bolt Tightening Sequence

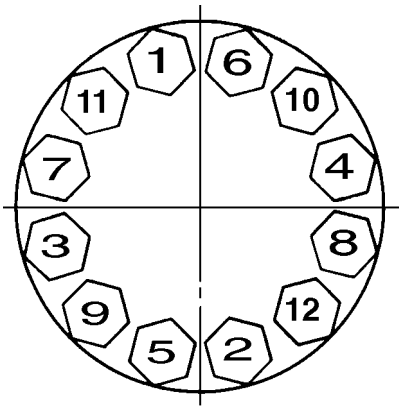
(Use appropriate gaskets and bolts)



4 Bolt

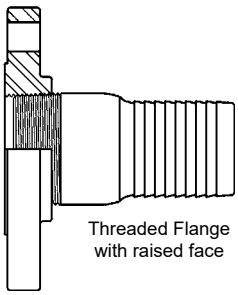


8 Bolt

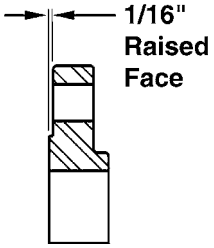


12 Bolt

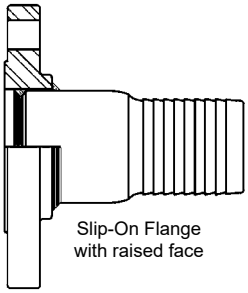
Flange Diagrams - Threaded Applications



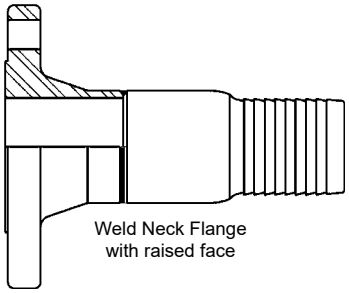
Threaded Flange
with raised face



Welded Applications



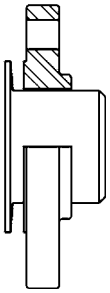
Slip-On Flange
with raised face



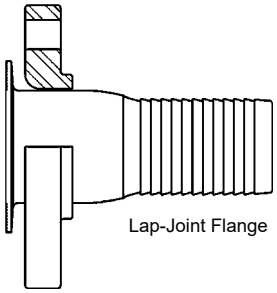
Weld Neck Flange
with raised face

Floating Applications

(Flange Free to Swivel)



Slip-On Flange
with raised face



Lap-Joint Flange

Feet of Water to Inches of Mercury Conversions

Feet of Water	1	2	4	6	8	10	12	14	16	20	22	24	26	28	30	32	34
Inches of Mercury	0.9	1.8	3.5	5.3	7.1	8.8	10.6	12.4	14.1	17.7	19.4	21.2	23.0	24.8	26.5	28.3	30.0

Pressure Conversions

100 PSI = 6.9 Bar
250 PSI = 17.25 Bar
600PSI = 41.4 Bar

5 Bar = 72.5 PSI
10 Bar = 145 PSI
25 Bar = 362.5 PSI

Measurement Information

Measures of Pressure

1 Pound Per Square Inch = 144 Pounds Per Square Foot = 0.068 Atmosphere = 2.042 Inches of Mercury at 62°F = 27.7 Inches of Water at 62°F =2.31 Feet of Water at 62°F.

1 Atmosphere = 30 Inches of Mercury at 62°F = 14.7 Pounds Per Square Inch = 2116.3 Pounds Per Square Foot = 33.95 Feet of Water at 62°F.

1 Foot of Water at 62°F = 62.355 Pounds Per Square Foot = 0.433 Pounds Per Square Inch.

1 Inch of Mercury at 62°F = 1.132 Feet of Water = 13.58 Inches of Water = 0.491 Pounds Per Square Inch.

Column of Water 12 Inches High, 1 Inch in Diameter = .341 Pounds

Length Conversion Constants

Millimeters	x .039370	= Inches
Meters	x 39.370	= Inches
Meters	x 3.2808	= Feet
Meters	x 1.09361	= Yards
Kilometers	x 3,280.8	= Feet
Kilometers	x .62137	= Statute Mile
Kilometers	x .53959	= Nautical Miles
Inches	x 25.4001	= Millimeters
Inches	x .0254	= Meters
Feet	x .30480	= Meters
Yards	x .91440	= Meters
Feet	x .0003048	= Kilometers
Statute Miles	x 1.60935	= Kilometers
Nautical Miles	x 1.85325	= Kilometers

Weight Conversion Constants

Grams	x .03527	= Ounces (Avd.)	Ounces (Avd.)	x 28.35	= Grams
Grams	x .033818	= Fluid Ounces (Water)	Fluid Ounces (Water)	x 29.57	= Grams
Kilograms	x 35.27	= Ounces (Avd.)	Ounces (Avd.)	x .02835	= Kilograms
Kilograms	x 2.20462	= Pounds (Avd.)	Pounds (Avd.)	x .45359	= Kilograms

Air Line Recommended Sizes

Recommended air line size in inches

Air Flow CFM	Length of Air Line in Feet			
	50	100	200	300
1 - 5	½	½	½	½
6 - 10	½	¾	¾	¾
11 - 15	¾	¾	¾	¾
16 - 20	¾	¾	¾	¾
21 - 25	¾	¾	1	1
26 - 30	¾	¾	1	1
31 - 35	¾	1	1	1
36 - 40	1	1	1	1
41 - 59	1	1	1	1
60 - 79	1	1	1¼	1¼
80 - 100	1¼	1¼	1½	1½

Imperial to Decimal Conversions

	Inches	Millimeters
1/64	.015625	.3969
1/32	.03125	.7938
3/64	.046875	1.1906
1/16	.0625	1.5875
5/64	.078125	1.9844
3/32	.09375	2.3813
7/64	.109375	2.7781
1/8	.125	3.1750
9/64	.140625	3.5719
5/32	.15625	3.9688
11/64	.171875	4.3656
3/16	.1875	4.7625
13/64	.203125	5.1594
7/32	.21875	5.5563
15/64	.234375	5.9531
1/4	.250	6.3500
17/64	.265625	6.7469
9/32	.28125	7.1438
19/64	.296875	7.5406
5/16	.3125	7.9375
21/64	.328125	8.3344
11/32	.34375	8.7313
23/64	.359375	9.1282
3/8	.375	9.5250
25/64	.390625	9.9219
13/32	.40625	10.3188
27/64	.421875	10.7157
7/16	.4375	11.1125
29/64	.453125	11.5094
15/32	.46875	11.9063
31/64	.484375	12.3032
1/2	.500	12.7001
33/64	.515625	13.0969
17/32	.53125	13.4938
35/64	.546875	13.8907
9/16	.5625	14.2876
37/64	.578125	14.6844
19/32	.59375	15.0813
39/64	.609375	15.4782
5/8	.625	15.8751
41/64	.640625	16.2719
21/32	.65625	16.6688
43/64	.671875	17.0657
11/16	.6875	17.4626
45/64	.703125	17.8594
23/32	.71875	18.2563
47/64	.734375	18.6532
3/4	.750	19.0501
49/64	.765625	19.4470
25/32	.78125	19.8438
51/64	.796875	20.2407
13/16	.8125	20.6376
53/64	.828125	21.0345
27/32	.84375	21.4313
55/64	.859375	21.8282
7/8	.875	22.2251
57/64	.890625	22.6220
29/32	.90625	23.0188
59/64	.921875	23.4157
15/16	.9375	23.8126
61/64	.953125	24.2095
31/32	.96875	24.6063
63/64	.984375	25.0032
1	1.000	25.4001

Temperature Conversions

Please reference the central column for temperature readings (°F/°C). If the temperature is in degrees celsius, find the fahrenheit equivalent in the right-hand column. If it's in degrees fahrenheit, locate the celsius equivalent in the left-hand column.

°C	°F/°C	°F
-73	-100	-148
-68	-90	-130
-62	-80	-112
-57	-70	-94
-51	-60	-76
-46	-50	-58
-40	-40	-40
-34	-30	-22
-29	-20	-4
-23	-10	14
-17.8	0	32
-17.2	1	33.8
-16.7	2	35.6
-16.1	3	37.4
-15.6	4	39.2
-15.0	5	41.0
-14.4	6	42.8
-13.9	7	44.6
-13.3	8	46.4
-12.8	9	48.2
-12.2	10	50.0
-11.7	11	51.8
-11.1	12	53.6
-10.6	13	55.4
-10.0	14	57.2
-9.4	15	59.0
-8.9	16	60.8
-8.3	17	62.6
-7.8	18	64.4
-7.2	19	66.2
-6.7	20	68.0
-6.1	21	69.8
-5.6	22	71.6
-5.0	23	73.4
-4.4	24	75.2
-3.9	25	77.0
-3.3	26	78.8
-2.8	27	80.6
-2.2	28	82.4
-1.7	29	84.2
-1.1	30	86.0
-.6	31	87.8
0	32	89.6
.6	33	91.4
1.1	34	93.2
1.7	35	95.0
2.2	36	96.8
2.8	37	98.6
3.3	38	100.4
3.9	39	102.2
4.4	40	104.0
5.0	41	105.8
5.6	42	107.6
6.1	43	109.4
6.7	44	111.2
7.2	45	113.0
7.8	46	114.8
8.3	47	116.6
8.9	48	118.4
9.4	49	120.2
10.0	50	122.0
10.6	51	123.8
11.1	52	125.6
11.7	53	127.4
12.2	54	129.2
12.8	55	131.0
13.3	56	132.8
13.9	57	134.6
14.4	58	136.4
15.0	59	138.2
15.6	60	140.0
16.1	61	141.8
16.7	62	143.6
17.2	63	145.4
17.8	64	147.2
18.3	65	149.0
18.9	66	150.8
19.4	67	152.6
20.0	68	154.4
20.6	69	156.2
21.1	70	158.0
21.7	71	159.8
22.2	72	161.6
22.8	73	163.4
23.3	74	165.2
23.9	75	167.0
24.4	76	168.8
25.0	77	170.6
25.6	78	172.4
26.1	79	174.2
26.7	80	176.0
27.2	81	177.8
27.8	82	179.6
28.3	83	181.4
28.9	84	183.2
29.4	85	185.0
30.0	86	186.8
30.6	87	188.6
31.1	88	190.4
31.7	89	192.2
32.2	90	194.0
32.8	91	195.8
33.3	92	197.6
33.9	93	199.4
34.4	94	201.2
35.0	95	203.0
35.6	96	204.8
36.1	97	206.6
36.7	98	208.4
37.2	99	210.2
37.8	100	212.0
43	110	230
49	120	248
54	130	266
60	140	284
66	150	302
71	160	320
77	170	338
82	180	356
88	190	374
93	200	392
99	210	410
100	212	413.6
104	220	428
110	230	446
116	240	464
121	250	482
127	260	500
132	270	518
138	280	536
143	290	554
149	300	572
154	310	590
160	320	608
166	320	626
170	338	640
171	340	644
177	350	662
182	360	680
186	366	691
188	370	698
193	380	716
198	388	730
199	390	734
204	400	752
208	406	763
210	410	770
216	420	788
221	430	806
227	440	824
232	450	842

Theoretical Horsepower to Compress Air

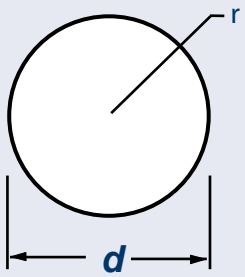
HP	= Compressed horsepower
CFM	=Air volume in cubic feet per minute
PSI	=Air pressure in pounds per square inch (assumes atmospheric pressure) = 14.7 PSI, temperature = 60°F

HP = CFM x PSI x .0007575

Circle Geometry

Circumference = $2 \pi r = \pi d = 3.14 d$

Area = $\pi r^2 = \pi \frac{d^2}{4} = .785 d^2$



Boyle's Law

If temperature is kept constant, the volume of a given mass of gas is inversely proportional to the pressure which is exerted upon it.

$$\frac{\text{Initial Pressure}}{\text{Final Pressure}} = \frac{\text{Final Volume}}{\text{Initial Volume}}$$

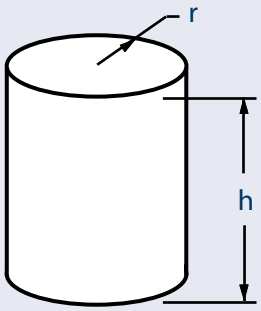
Right Cylinder

r = radius
h = length

Volume = $\pi r^2 h$

Surface Area = $2 \pi r (r + h)$

If end planes are parallel but not at 90° to h, the same formulas apply, but a slice at 90° through the cylinder must be used to determine r.



Air Volume Discharged from Pipe

CFM	=	air volume in cubic feet per minute
V	=	air velocity in feet per second as determined in the equation at the top of this page
A	=	cross section area of pipe in square feet

CFM = 60VA

MSHA (Mine Safety and Health Administration) Regulations

30 CFR Sections 56.13021 and 57.13021
Except where automatic shut-off valves are used, safety chains or other suitable locking devices shall be used at connections to machines of high-pressure hose line of ¾" inside diameter or larger, and between high-pressure hose lines of ¾" inside diameter of larger, where a connection failure would create a hazard.

30 CFR Section 75.1730
(e) Safety chains, suitable locking devices or automatic cut-off valves shall be used at connections to machines of high-pressure hose lines of ¾" inside diameter or larger, and between high-pressure hose lines of ¾" inside diameter or larger, where a connection failure would create a hazard. For the purposes of this paragraph, high-pressure means pressure of 100 PSI or more.

30 CFR Section 77.412
(d) Safety chains or suitable locking devices shall be used at connections to machines of high-pressure hose lines of 1" inside diameter or larger, and between high-pressure hose lines of 1" inside diameter or larger, where a connection failure would create a hazard.

OSHA Regulations

Standards - 29 CFR, 1910.242 (partial):
(b) Compressed air used for cleaning - compressed air shall not be used for cleaning purposes except where reduced to less than 30 PSI and then only with effective chip guarding and personal protective equipment.

Standards - 29 CFR, 1915.131 (partial):
(e) Before use, pneumatic tools shall be secured to the extension hose or whip by some positive means to prevent the tool from becoming accidentally disconnected from the whip.

Standards - 29 CFR, 1926.302 (partial):
(b) (1) Pneumatic power tools shall be secured to the hose or whip by some positive means to prevent the tool from becoming accidentally disconnected.
(b) (2) Safety clips or retainers shall be securely installed and maintained on pneumatic impact (percussion) tools to prevent attachments from being accidentally expelled.
(b) (3) All pneumatically driven nailers, staplers and other similar equipment provided with automatic fastener feed, which operate at more than 100PSI pressure at the tool shall have a safety device on the muzzle to prevent the tool from ejecting fasteners unless the muzzle is in contact with the work surface.
(b) (4) Compressed air shall not be used for cleaning purposes except where reduced to 30 PSI and then only with effective chip guarding and personal protective equipment which meets the requirements of Subpart E of this part. The 30 PSI requirement does not apply for concrete form, mill scale and similar cleaning purposes.
(b) (5) The manufacturer's safe operating pressure for hoses, pipes, valves, filters and other fittings shall not be exceeded.
(b) (6) The use of hoses for hoisting or lowering tools shall not be permitted.
(b) (7) All hoses exceeding ½" inside diameter shall have a safety device at the source of the supply or branch line to reduce pressure in case of hose failure.

Standards - 29 CFR, 1926.306
(a) "General requirements"
(a) (1) "Application." This section applies to compressed air receivers, and other equipment used in providing and utilising compressed air for performing operations such as cleaning, drilling, hoisting, and chipping. On the other hand, however, this section does not deal with the special problems created by using compressed air to convey materials, nor the problems created when men work in compressed air as in tunnels and caissons. This section is not intended to apply to compressed air machinery and equipment used on transportation vehicles such as steam railroad cars, electric railway cars, and automotive equipment.
(a) (2) "New and existing equipment."
(a) (2) (i) All new air receivers installed after the effective date of these regulations shall be constructed in accordance with the 1968 edition of the A.S.M.E. Boiler and Pressure Vessel Code Section VIII.
(a) (2) (ii) All safety valves used shall be constructed, installed and maintained in accordance with the A.S.M.E. Boiler and Pressure Vessel Code, Section VIII Edition 1968.
(b) 1926.306
(b) "Installation and equipment requirements"
(b) (1) "Installation." Air receivers shall be so installed that all drains, handholes, and manholes therein are easily accessible. Under no circumstances shall an air receiver be buried underground or located in an inaccessible place.
(b) (2) "Drains and traps." A drain pipe and valve shall be installed at the lowest point of every air receiver to provide for the removal of accumulated oil and water. Adequate automatic traps may be installed in addition to drain valves. The drain valve on the air receiver shall be opened and the receiver completely drained frequently and at such intervals as to prevent the accumulation of excessive amounts of liquid in the receiver.
(b) (3) "Gauges and valves"
(b) (3) (i) Every air receiver shall be equipped with an indicating pressure gauge (so located as to be readily visible) and with one or more spring-loaded safety valves. The total relieving capacity of such safety valves shall be such as to prevent pressure in the receiver from exceeding the maximum allowable working pressure of the receiver by more than 10 percent.
(b)(3) (ii) No valve of any type shall be placed between the air receiver and its safety valve or valves.

Standards - 29 CFR, 1926.603 (partial):
(a) (9) Steam hose leading to a steam hammer or jet pipe shall be securely attached to the hammer with an adequate length of at least ¼" diameter chain or cable to prevent whipping in the event the joint at the hammer is broken. Air hammer hoses shall be provided with the same protection as required for steam lines.
(a) (10) Safety chains, or equivalent means, shall be provided for each hose connection to prevent the line from thrashing around in case the coupling becomes disconnected.

The regulations may be viewed in full on the OSHA website, http://www.osha.gov. Please check the website for updates.

Material Selection

Ratings

Metal:

1 Excellent
2 Good
3 Fair
X Not Recommended
_ Contact Dixon™

Non-Metal:

A Acceptable
X Not Recommended
_ Contact Dixon™

Gasket/Seal Material:

T PTFE
V FKM
E E.P.D.M., E.P.R.
N Neoprene
B Buna N

Caution:

The following data has been compiled from generally available sources and should not be relied upon without consulting and following the specific recommendations of the manufacturer regarding particular coupling materials.

Note:

- Ratings given are based at 21°C. Chemical compatibility varies greatly with temperature. For applications at temperatures other than 21°C, contact Dixon™ for recommendations.
- Gasket/Seal Materials are not necessarily listed in order of preference.
- Chemical Resistance of a material does not necessarily indicate the suitability of a fitting in a given application due to variables such as improper clamp and coupling application, special hose construction, gasket material, etc.
- Special caution should be taken when handling hazardous materials.

Agent	Aluminum	Brass	Bronze	Hastelloy, C-276	Malleable Iron Carbon Steel	Monel	Stainless Steel,304	Stainless Steel,316	Nylon	Polypropylen	Seal Mater
Acetate Solvents (Crude)	1	X	X	1	1	2	1	1	A	X	T
Acetate Solvents (Pure)	1	1	1	1	1	1	1	1	A	X	T
Acetic Acid (80%)	3	X	X	1	1	1	1	1	X	X	TEVNB
Acetic Acid (50%)	2	X	X	1	1	2	2	1	X	X	TEVNB
Acetic Acid (20%)	2	X	X	1	1	2	2	1	X	X	TEVNB
Acetic Acid (10%)	2	X	2	1	1	2	1	1	X	X	TEVNB
Acetic Anhydride	2	X	2	1	1	2	2	2	X	X	TNB
Acetone	1	2	2	1	1	1	1	1	A	X	TE
Acetylene	1	X	X	2	2	2	1	1	X	X	TEVNB
Alcohols											
Amyl Alcohol	2	2	2	2	2	1	2	2	A	A	TEVNB
Benzyl Alcohol	2	2	2	2	2	1	1	1	X	A	TVB
Butyl Alcohol	1	2	1	2	2	1	1	1	A	A	TEVN
Diacetone Alcohol	1	1	2	1	1	1	2	2	X	A	TE
Ethyl Alcohol	1	2	2	1	1	2	2	2	X	A	TEVNB
Hexyl Alcohol	-	-	-	1	1	-	-	-	A	-	-
Isobutyl Alcohol	-	-	-	-	-	-	-	-	A	-	-
Isopropyl Alcohol	2	2	2	2	2	2	2	2	A	A	TEVNB
Methyl Alcohol (Methanol)	2	2	2	1	1	2	2	2	A	A	TENB
Octyl Alcohol	-	-	-	-	-	-	-	-	A	-	-
Propyl Alcohol	2	2	2	1	1	2	1	1	X	A	TEVNB
Aluminum											
Aluminum Chloride (Aqu.)	X	X	X	1	1	X	X	X	A	A	TEVNB
Aluminum Fluoride (Sat.)	2	-	-	-	-	2	X	2	X	A	TEVNB
Aluminum Nitrate (Sat.)	3	X	-	-	-	-	2	2	A	A	TEVNB
Aluminum Potassium Sulfate (Alum)	2	2	2	2	2	2	X	2	X	A	TEVNB
Aluminum Sulfate (Sat.)	X	X	2	2	2	2	-	2	A	A	TEVNB
Ammonia											
Ammonia Anhydrous (* not plated)	1	X	X	2	2	1	2	1	A	X	TENB
Ammonia Gas	X	X	X	1	1	X	1	1	A	X	TENB
Ammonia Nitrate	-	-	-	-	-	-	-	-	X	-	-
Ammonium											
Ammonium Biflouride	-	X	-	2	2	2	-	-	X	A	TEVB

Material Selection

Agent	Aluminum	Brass	Bronze	Hastelloy, C-276	Malleable Iron Carbon Steel	Monel	Stainless Steel,304	Stainless Steel,316	Nylon	Polypropylen	Seal Mater
Ammonium Carbonate (Sat.)	2	X	X	2	2	2	2	2	A	A	TEVNB
Ammonium Casenate	-	-	-	-	-	-	-	-	A	-	-
Ammonium Chloride (Sat.)	X	X	2	2	2	2	X	X	A	A	TEVNB
Ammonium Hydroxide (Sat.)	2	X	X	2	2	X	2	2	A	A	TEVNB
Ammonium Nitrate	2	X	X	-	-	X	-	-	A	A	TENB
Ammonium Phosphate (10-40%)	X	X	X	-	-	2	1	2	A	A	TEVNB
Ammonium Sulfate (10-40%)	X	X	3	2	2	2	X	2	A	A	TEVNB
Aniline	-	X	2	2	2	2	1	1	X	X	TV
Arsenic Acid	X	X	2	2	2	X	2	2	X	A	TEVNB
Asphalt	-	-	-	-	-	-	-	2	X	X	TV
Barium											
Barium Carbonate (Sat.)	X	2	2	2	2	2	2	2	A	A	TEVNB
Barium Chloride (Sat.)	-	2	2	1	1	2	X	-	A	A	TEVNB
Barium Hydroxide (Sat.)	X	2	X	2	2	1	2	2	A	A	TEVNB
Barium Sulfate	2	2	2	-	-	2	2	2	A	A	TEVNB
Barium Sulfide	X	X	X	-	-	X	2	2	A	A	TEVNB
Beer	1	2	2	1	1	1	1	1	A	A	TEVNB
Benzaldehyde	2	2	2	2	2	2	2	2	X	X	TE
Benzene, Benzol	1	2	2	2	2	2	2	2	A	X	TV
Benzine	-	-	-	-	-	-	-	-	A	X	-
Benzoic Acid	2	2	2	-	-	2	2	2	X	X	TVN
Black Liquor	X	X	X	X	X	2	2	2	X	A	TEVNB
Bleach (12.5% Active Chlorine)	X	-	-	1	1	-	-	X	X	A	TEVN
Borax	X	2	2	1	1	1	1	1	X	A	TEVNB
Boric Acid	1	X	2	1	1	2	-	-	X	A	TEVNB
Brine Acid	-	2	2	1	1	-	-	-	X	A	TEVNB
Bromic acid	X	X	X	-	-	X	-	-	X	A	TEVN
Bromine Liquid	2	-	-	-	-	-	X	X	X	X	TV
Butadiene, Butylene	2	2	2	2	2	1	2	2	X	X	TVNB
Butane	2	2	2	2	2	1	2	2	X	X	TV
Butyl Acetate	1	2	2	2	2	2	2	2	A	X	T
Butyric Acid	2	2	X	1	1	2	2	2	A	A	TV
Calcium											
Calcium Bisulfate	X	-	X	-	X	X	X	2	X	A	T
Calcium Bisulfide	-	-	-	-	-	2	-	2	A	A	TVB
Calcium Bisulfite	X	X	2	2	X	X	-	2	X	A	TVNB
Calcium Bromide	X	G	G	-	X	G	E	X	X	X	T
Calcium Carbonate	X	2	2	2	2	2	1	2	A	A	TEVB
Calcium Chloride (Sat.)	-	2	-	1	2	2	-	-	A	A	TEVNB
Calcium Hydroxide (Sat.)	X	2	X	-	2	2	2	2	A	A	TEVNB
Calcium Hypochlorite (Sat.)	X	X	X	-	X	X	X	2	X	A	TEV
Carbon											
Carbon Bisulfide	1	X	2	2	2	X	2	2	A	X	TV
Carbon Dioxide (Dry)	1	1	2	1	2	1	2	2	A	A	TENB
Carbon Dioxide (Wet)	1	X	-	2	3	-	2	2	X	A	TENB
Carbon Disulfide	1	X	2	2	2	X	2	2	A	X	TV
Carbon Monoxide	1	1	1	1	2	1	1	1	A	A	TEVNB
Carbon Tetrachloride	X	-	1	1	2	1	1	-	A	X	TV

Material Selection

Agent	Aluminum	Brass	Bronze	Hastelloy, C-276	Malleable Iron Carbon Steel	Monel	Stainless Steel,304	Stainless Steel,316	Nylon	Polypropylen	Seal Mater
Carbonic Acid	1	2	2	1	2	3	2	2	X	A	TEVNB
Castor Oil	2	2	2	1	2	1	2	2	X	A	TEVNB
Caustic Potash	X	-	-	1	X	-	-	2	A	A	TEVNB
Caustic Soda (see Sodium Hydroxide)											
Cellosolves	2	2	2	2	2	2	2	2	X	A	TE
Chlorine (Liquid)	-	-	-	1	2	2	-	3	X	X	TV
Chloroform	-	-	-	2	X	1	-	-	X	X	TV
Chlorosulfonic Acid	-	X	X	1	2	2	X	X	X	X	T
Clorox (Bleach, 5.5% CL)	X	-	-	-	X	-	-	2	X	-	TEVB
Chromic Acid (50%)	2	X	X	2	X	X	3	-	X	X	TVNB
Citric Acid	3	X	X	1	X	2	-	-	X	A	TEVNB
Coke Oven Gas	2	3	3	-	2	2	2	2	X	X	TEVN
Copper											
Copper Chloride	X	X	X	2	X	X	X	X	A	A	TEVNB
Copper Cyanide	X	X	X	1	-	X	2	2	X	-	TEVNB
Copper Sulfate	X	X	X	1	X	X	-	2	A	A	TEVNB
Crysylic Acid (Conc.)	2	2	X	-	2	3	2	2	X	X	TEV
Cyclohexane	2	2	2	2	2	1	2	2	A	X	TVB
Detergents	2	2	2	1	2	-	1	2	A	A	TEVNB
Dextrose	2	-	-	2	-	2	-	-	A	A	TEVNB
Diesel Fuels	1	1	1	2	2	-	1	1	A	X	TVB
Diethylamine	2	-	X	-	X	1	2	2	X	A	TN
Disodium Phosphate	-	-	-	-	1	-	-	1	A	A	TEV
Ethers	2	2	2	2	2	2	1	1	A	X	TB
Ethyl											
Ethyl Acetate	-	-	2	2	2	2	2	2	A	X	T
Ethyl Chloride	-	-	2	2	2	2	-	1	A	X	TEVB
Ethylene											
Ethylene Chloride	-	-	-	-	2	2	-	-	A	X	TV
Ethylene Dichloride	-	2	X	2	2	1	2	2	A	X	TV
Ethylene Glycol	1	2	2	1	2	2	2	2	A	X	TEVNB
Ethylene Oxide	1	X	X	1	2	2	2	2	X	X	T
Fatty Acids	1	3	3	1	X	2	-	1	A	A	TVNB
Ferric											
Ferric Chloride	X	X	2	2	X	X	X	X	X	A	TEVNB
Ferric Hydroxide	-	-	-	1	-	2	1	1	A	-	TEVNB
Ferric Nitrate (10-50%)	X	X	X	-	X	X	2	2	X	A	TEVNB
Ferric Sulfate	X	X	X	-	X	2	-	-	X	A	TEVNB
Ferrous											
Ferrous Chloride (Sat.)	X	X	2	2	-	X	X	X	X	A	TEVNB
Ferrous Sulfate	2	2	2	2	X	2	2	-	X	A	TEVNB
Fluboric Acid	X	-	-	1	1	2	-	-	X	A	TEVNB
Formaldehyde (50%)	-	2	2	2	X	2	1	1	X	A	TEN
Formic Acid (Anhyd.)	1	X	2	1	X	2	-	-	X	A	TEVN
Freon											
Freon 11	2	2	2	-	X	1	2	2	X	X	TVNB
Freon 12	2	2	2	1	X	2	2	2	X	X	TVNB
Freon 22	2	2	2	2	X	2	2	2	X	X	TN
Fruit Juices	2	2	3	1	X	1	2	2	A	A	TVNB
Fuel Oil	2	2	2	2	2	2	2	2	A	X	TVNB

Material Selection

Agent	Aluminum	Brass	Bronze	Hastelloy, C-276	Malleable Iron Carbon Steel	Monel	Stainless Steel,304	Stainless Steel,316	Nylon	Polypropylen	Seal Mater
Furfural	2	2	2	2	2	2	2	2	A	X	TEN
Gasoline											
Refined Gasoline	2	2	2	2	2	2	2	2	A	X	TVNB
Sour Gasoline	X	2	2	2	2	X	2	2	A	X	TVNB
Gelatin	2	2	2	-	X	2	2	2	A	A	TEVNB
Glucose	2	2	2	-	2	2	2	2	A	A	TEVNB
Glue	2	2	2	1	2	2	-	2	-	A	TEVNB
Glycerine	1	1	2	1	2	1	1	1	A	A	TEVNB
Glycols	2	2	2	-	2	2	2	2	A	A	TEVNB
Green Liquor	-	-	-	-	2	-	-	-	-	A	TEVNB
Heptane	2	2	2	1	2	2	2	2	A	X	TVNB
Hexane	2	2	2	1	2	2	1	1	A	X	TVNB
Hydrobromic Acid (50%)	X	X	X	2	X	X	X	X	X	A	TEV
Hydrobromic Acid (20%)	X	X	X	1	X	X	X	X	X	A	TEV
Hydrochloric Acid (20%)	X	X	X	1	X	3	X	X	X	A	TEVNB
Hydrochloric Acid (38%)	X	X	X	1	X	X	X	X	X	A	TEVN
Hydrocyanic Acid	2	X	X	2	2	2	2	2	X	A	TEVN
Hydrofluosilicic Acid (10-50%)	X	2	X	2	X	2	X	2	X	-	TEVNB
Hydrogen											
Hydrogen Peroxide (50%)	-	X	X	2	X	2	-	-	X	A	TEV
Hydrogen Sulfide (Aqu.)	-	-	-	2	-	2	X	2	X	A	TE
Hydrogen Chloride (Dry Gas)	X	2	-	1	2	1	-	-	X	A	TEVN
Hydrogen Gas	1	1	1	1	-	1	1	1	X	A	TEVNB
Hypochlorous Acid	X	X	X	2	X	X	X	X	X	X	TEV
Iodine	1	X	X	-	X	1	X	X	X	A	TEV
Isopropyl Ether	-	2	2	-	-	2	1	2	A	X	T
Jet Fuel (JP4, JP5)	2	1	2	1	2	2	2	2	X	X	TV
Kerosene	2	2	2	2	2	2	2	2	X	X	TVNB
Ketones	2	2	2	1	2	2	2	2	A	X	T
Lactic Acid (25%)	3	2	2	1	X	X	-	-	A	A	TEVN
Lactic Acid (80%)	2	2	X	2	X	-	-	-	A	A	TEVN
Lard Oil	2	-	2	1	3	2	2	2	A	A	TVB
Lead											
Lead Acetate	X	X	X	2	X	2	2	2	X	A	TENB
Lead Chloride	X	-	-	2	-	-	2	2	X	-	TVNB
Lead Sulfate	X	-	-	2	X	2	2	2	X	-	TEVNB
Lime Sulphur	X	X	X	-	X	2	2	2	X	A	TEVN
Linoleic Acid	2	X	3	2	X	2	2	2	X	A	TVB
Linseed Oil	2	2	2	2	2	2	2	2	A	A	TVNB
Lubricants (Oil)	2	1	-	-	2	2	2	2	A	X	TVNB
Magnesium											
Magnesium Carbonate	2	-	-	-	-	2	2	2	X	A	TEVNB
Magnesium Chloride	X	X	2	1	-	-	-	-	X	A	TEVNB
Magnesium Hydroxide	2	2	2	1	2	2	1	1	X	A	TEVNB
Magnesium Nitrate	2	2	2	1	2	2	2	2	X	A	TEVNB
Magnesium Oxide	-	-	-	-	-	-	-	-	X	-	-
Magnesium Sulfate	2	-	2	-	-	1	2	2	X	A	TEVNB
Maleic Acid	-	2	3	2	X	-	-	2	X	A	TEV

Material Selection

Agent	Aluminum	Brass	Bronze	Hastelloy, C-276	Malleable Iron Carbon Steel	Monel	Stainless Steel,304	Stainless Steel,316	Nylon	Polypropylen	Seal Mater
Mercuric											
Mercuric Chloride	X	X	X	-	X	X	X	-	X	A	TEVB
Mercuric Cyanide	X	X	X	2	X	2	2	2	X	A	TEVB
Mercury	X	X	X	1	2	-	1	1	A	A	TEVNB
Methane	1	1	2	1	2	1	1	1	A	X	TEVNB
Methanol	2	2	2	1	2	2	2	2	A	A	TENB
Methyl											
Methyl Bromide	X	-	-	-	2	-	2	2	X	X	TV
Methyl Ethyl Ketone	2	2	2	2	2	2	2	2	A	X	TE
Methyl Isobutyl Ketone	2	2	2	2	2	2	2	2	A	X	T
Methyl Methacrylate	2	-	-	-	X	-	2	2	X	A	T
Methylene Chloride	-	2	2	X	2	-	-	-	A	X	T
Milk	1	X	X	1	2	X	1	1	A	A	TEVNB
Mineral Oil	2	1	-	-	2	1	1	2	A	A	TVNB
Muriatic Acid	X	-	-	1	-	X	X	X	X	A	TV
Napthalene	2	2	2	2	2	2	1	1	A	A	TV
Naptha	2	2	2	2	2	2	2	2	A	X	TVB
Nickel											
Nickel Chloride	X	X	X	-	X	2	-	-	X	A	TEVNB
Nickel Sulfate	X	X	-	2	-	-	2	2	X	A	TEVNB
Nitric											
Nitric Acid (100%)	1	X	X	2	X	X	2	-	X	X	TV
Nitric Acid (50%)	X	X	X	1	X	X	2	-	X	X	TV
Nitric Acid (30%)	X	X	X	1	X	X	1	-	X	X	TV
Nitrobenzene	1	2	2	-	2	2	2	2	A	A	T
Oils											
Castor Oil	2	2	2	1	2	1	2	2	A	A	TEVNB
Coconut Oil	2	-	2	-	3	2	2	2	A	A	TVB
Corn Oil	2	2	2	-	2	2	-	2	A	A	TVNB
Cotton Seed Oil	2	2	2	-	2	1	2	2	A	A	TVNB
Fuel Oil	2	2	2	2	2	2	2	2	A	X	TVNB
Linseed Oil	2	2	2	2	2	2	2	2	A	A	TVNB
Mineral Oil	2	1	-	-	2	1	1	2	A	A	TVNB
Silicon Oil	2	1	2	-	2	-	2	2	A	A	TEVB
Vegetable Oil	2	2	2	1	2	1	1	1	A	X	TVNB
Oleic Acid	2	3	2	2	2	1	-	1	A	X	TB
Oleum	2	X	X	-	2	X	2	2	X	X	TV
Oxalic Acid (Sat.)	2	-	2	2	X	2	X	X	X	A	TEV
Oxygen	2	2	2	-	2	2	2	2	X	X	TEVNB
Palmitic Acid (Sat.)	2	3	2	-	3	2	2	2	X	A	TVB
Paraffin	2	2	2	2	2	2	2	2	A	A	TVNB
Perchloroethylene	2	2	2	2	2	1	-	-	X	X	TV
Petrolatum	2	-	2	-	3	2	2	2	A	-	TVNB
Phenol (Carbolic Acid)	1	1	X	1	2	1	-	1	X	X	TV
Phosphoric Acid											
Phosphoric Acid (25-50%)	X	X	2	1	X	X	-	-	X	A	TEVN
Phosphoric Acid (50-85%)	X	X	X	1	X	3	-	-	X	A	TEV
Photographic Solutions	-	-	-	-	X	1	1	1	X	X	TVNB
Phthalic Anhydride	-	2	2	1	2	1	1	1	X	X	TEV
Picric Acid	1	X	X	2	X	X	2	2	X	-	TEVNB

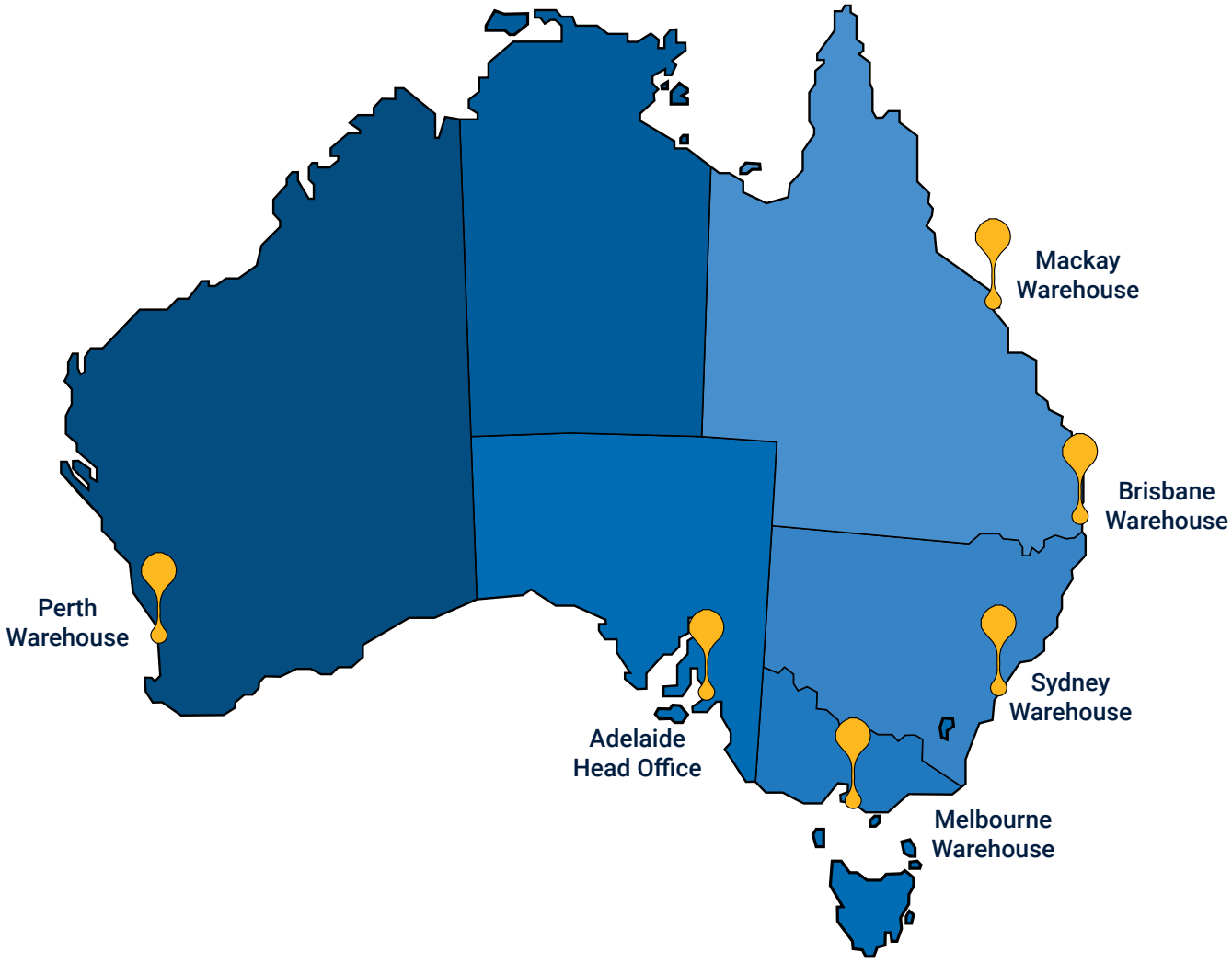
Material Selection

Agent	Aluminum	Brass	Bronze	Hastelloy, C-276	Malleable Iron Carbon Steel	Monel	Stainless Steel,304	Stainless Steel,316	Nylon	Polypropylen	Seal Mater
Plating Solutions											
Brass Plating Solution	-	-	-	1	-	-	-	2	X	A	TEVNB
Cadmium Plating Solution	-	-	-	1	-	-	-	2	X	A	TEVNB
Chrome 40% Plating Solution	X	2	2	1	X	X	2	2	X	A	TEVN
Copper (Cyanide) Plating Solution	-	-	-	1	-	-	-	-	X	A	TEVNB
Gold Plating Solution	-	-	-	1	-	-	-	1	X	A	TEVNB
Iron PLating Solution	-	-	-	-	-	-	-	-	X	A	TEVB
Lead Plating Solution	-	-	-	-	-	-	1	1	X	A	TEVNB
Nickel Plating Solution	-	-	-	1	-	-	1	1	X	A	TEVNB
Silver Plating Solution	-	-	-	1	-	-	1	1	X	A	TEVNB
Tin Plating Solution	-	-	-	1	-	-	-	3	X	A	TEVNB
Zinc Plating Solution	-	-	-	1	-	-	-	-	X	A	TEVNB
Potassium											
Potassium Acetate	X	X	X	-	2	-	-	-	A	A	TEVB
Potassium Bicarbonate (30%)	X	2	-	2	2	2	1	1	A	A	TEVNB
Potassium Carbonate (50%)	X	2	X	2	2	2	1	1	A	A	TEVNB
Potaasium Chlorate (30%)	2	X	X	-	2	2	2	1	X	A	TEVNB
Potassium Chloride (30%)	X	X	2	-	2	1	-	-	A	A	TEVNB
Potassium Chromate (30%)	2	2	2	2	-	2	2	2	X	A	TEVB
Potassium Cyanide Solution (30%)	X	X	X	2	2	2	2	2	X	A	TEVNB
Potassium Dichromate (30%)	1	2	2	2	2	2	1	1	X	A	TEVB
Potassium Hydroxide (90%)	X	X	X	2	-	2	X	-	X	A	TENB
Potassium Nitrate (80%)	1	2	2	2	2	2	2	2	X	A	TEVNB
Potassium Permanganate (20%)	2	2	2	1	2	2	2	2	X	A	TEVN
Potassium Sulfate (10%)	1	2	2	1	2	1	1	1	A	A	TEVNB
Propane	1	1	1	2	2	1	2	2	X	X	TVB
Propylene Gylcol	2	2	2	2	2	2	2	2	A	A	TVNB
Propylene Oxide (90%)	-	-	-	-	-	-	1	1	X	X	TE
Pyridine	2	2	2	-	2	2	2	2	A	X	T
Pyrogallic Acid	2	2	2	2	2	2	2	2	X	X	TVNB
Silver Nitrate	X	X	X	-	X	X	2	1	X	A	TEVNB
Soap Solutions	2	2	2	1	2	2	2	2	A	A	TEVNB
Sodium											
Sodium Acetate	1	2	2	-	X	2	2	2	A	A	TEN
Sodium Bicarbonate (20%)	2	2	2	1	3	1	1	1	A	A	TEVNB
Sodium Bisulfate	X	-	2	2	2	-	-	-	A	A	TEVNB
Sodium Bisulfite	X	2	X	2	X	-	-	-	A	A	TEVNB
Sodium Borate	2	2	2	2	3	2	2	2	A	A	TEVNB
Sodium Perborate (10%)	2	X	2	2	2	2	2	2	X	A	TEVNB
Sodium Carbonate	X	2	-	2	2	1	-	2	A	A	TEVNB
Sodium Chlorate (50%)	2	2	2	1	X	1	2	2	X	A	TEVNB
Sodium Cyanide	X	X	X	2	2	X	-	-	A	A	TEVNB
Sodium Dichromate	2	X	X	1	2	-	2	2	X	A	TE
Sodium Hydroxide (70%)	X	X	X	1	3	1	2	2	X	A	TENB
Sodium Hydroxide (50%)	X	X	3	1	3	1	1	-	X	A	TENB
Sodium Hydroxide (30%)	X	2	3	2	2	1	1	1	X	A	TENB
Sodium Chloride (30%)	X	2	2	2	2	1	-	-	X	A	TEVNB
Sodium Hypochlorite	X	X	X	-	X	X	-	-	X	A	TEV

Material Selection

Agent	Aluminum	Brass	Bronze	Hastelloy, C-276	Malleable Iron Carbon Steel	Monel	Stainless Steel,304	Stainless Steel,316	Nylon	Polypropylen	Seal Mater
Sodium Metaphosphate	X	X	2	-	X	2	2	2	X	X	TEVNB
Sodium Nitrate (40%)	1	2	-	-	2	2	1	1	A	A	TENB
Sodium Perborate (10%)	2	X	2	2	2	2	2	2	X	A	TEVNB
Sodium Peroxide (10%)	2	X	X	2	2	2	2	2	X	A	TEVNB
Sodium Silicate	1	2	2	2	2	2	2	2	A	A	TEVNB
Sodium Sulfate	-	2	2	2	2	-	-	1	A	A	TEVNB
Sodium Sulfide (50%)	X	X	X	2	2	2	-	2	X	A	TEVNB
Sodium Thiosulphate	2	X	X	2	X	2	2	2	A	A	TEVNB
Stannic Chloride	X	X	X	-	X	X	X	X	X	A	TEVNB
Stannous Chloride	X	X	X	2	X	-	X	-	X	X	TEVNB
Steam	-	-	-	-	-	-	-	-	X	-	-
Stearic Acid	2	3	2	1	3	3	2	1	A	A	TVNB
Stoddard's Solvent	2	2	2	1	2	2	2	2	X	A	TVB
Sugar Liquors (Cane)	1	2	1	-	2	2	2	2	A	A	TEVNB
Sugar Liquors (Beet)	1	2	1	-	2	1	1	1	A	A	TEVNB
Sulfate Liquors	2	X	X	2	3	2	-	2	X	A	TVNB
Sulfite Liquors	X	X	-	1	X	X	2	2	X	X	TVNB
Sulfur Chloride	X	-	X	2	X	X	-	-	X	X	TV
Sulfur Dioxide (Dry)	2	2	2	2	1	2	-	2	X	A	TE
Sulfur Trioxide	2	2	X	2	2	2	-	2	X	X	TEV
Sulfuric Acid (TO 10%)	X	2	X	1	X	X	X	X	X	A	TEVNB
Sulfuric Acid (100%)	X	X	X	1	2	X	-	-	X	X	TV
Sulfurous Acid	2	2	X	-	X	X	X	-	X	A	TV
Tannic Acid	X	-	X	-	X	2	2	2	X	A	TEVNB
Tanning Liquors	1	-	2	1	-	-	1	1	X	A	TVNB
Tartaric Acid	-	-	2	2	-	-	1	1	A	A	TVNB
Titanium Tetrachloride	X	X	X	2	2	2	-	2	X	X	TV
Toluene	1	1	1	1	1	1	1	1	A	X	TVB
Tetrahydrofuran	X	-	2	1	1	-	1	2	A	X	T
Tomato Juice	2	-	3	2	3	2	2	2	X	A	TEVNB
Trichloroethylene	1	-	2	1	2	-	-	-	A	X	TV
Triethanolamine	2	X	2	2	2	2	2	2	A	X	TEVN
Triethylamine	-	-	-	-	-	2	2	2	A	X	TVB
Trisodium Phosphate (10%)	X	2	-	1	2	2	1	1	A	A	TVNB
Turpentine	2	X	2	2	2	1	1	1	X	X	TVB
Urea (50%)	2	-	2	-	2	2	2	2	A	A	TEVNB
Urine	-	-	-	-	2	-	1	1	X	A	TEVNB
Vinegar	2	X	2	2	2	2	2	2	X	A	TEVN
Water Acid (Mine)	X	X	X	1	X	-	-	-	X	A	TEVNB
Water (Distilled)	X	2	2	1	X	X	2	2	A	A	TEVNB
Water (Sea)	2	2	2	1	X	2	2	2	A	A	TEVNB
Whiskey	X	2	2	1	2	2	1	1	X	A	TEVNB
White Liquor (Pulp)	2	-	X	2	X	X	2	2	X	A	TEVNB
Wine	X	2	2	1	X	2	1	1	X	A	TEVNB
Xylene	2	2	2	1	2	2	2	2	A	X	TV
Zinc											
Zinc Chloride	X	X	X	2	X	-	X	2	A	A	TEVNB
Zinc Nitrate	-	-	-	-	-	-	2	2	X	A	TEVNB
Zinc Sulfate (50%)	X	2	2	2	X	2	1	1	X	A	TEVNB

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Glossary of Terms

A

A.N.S.I. Inc.	American National Standards Institute
A.P.I.	American Petroleum Institute
A.S.M.E. Engineers	American Society of Mechanical
A.S.T.M. Materials	American Society for Testing and
Anodise	Electroplating process for aluminium

B

Burst Pressure	The pressure at which rupture occurs

C

Chamfer	An angled edge cut onto an object, commonly to remove a sharp edge
Clamp	A metal fitting, band or wire used around the outside of a hose end to secure a coupling, fitting or nipple
Cold Flow	Continued deformation or movement of rubber under stress
Compression Set	Residual deformation in rubber refers to the lasting shape change that occurs after the rubber has been exposed to stress, like compression from a clamp, and then released. The longer the stress is maintained the more definitive the deformation
Coupling	A device at the end or ends of a length of hose that allows a connection to be made
Crimping	The act of forming the metal sleeve or ferrule of a hose fitting with a surrounding series of die segments to compress the hose within the fitting. The crimping process changes the shape of the entire circumference and length simultaneously. Often interchanged with the term "swaged"

D

Durometer	An instrument for measuring the hardness of rubber
Durometer Hardness	A numerical value that indicates the resistance of material hardness in rubbers and plastics

E

Elastomer	A rubbery material that is capable of recovering its original shape after being stretched
Expansion Ring	Refers to a type of fire hose coupling that is attached by expanding a sleeve (usually brass) outward to compress the hose against the wall of the coupling
External Swage	A ferrule is passed through a reducing die, usually split, to bring the ferrule O.D. down to a predetermined size (for proper coupling retention) forcing the hose tube down into the stem serrations

F

Ferrule	A collar, placed over a hose end to attach the fitting to the hose. The ferrule may be crimped or swaged, forcing the hose against the shank of the coupling, or the shank may be expanded, forcing the hose out against the ferrule, or both

G

Gripping Finger	The part of the clamp that goes over and behind the stem collar to aid in clamp retention

I

Internal Expansion	A plug (or bullet) is pulled through a stem or a set of blades (fingers) to increase the stem I.D. to the plug O.D. or a (I.X.) predetermined setting when using expansion blades (fingers). This forces the stem serrations into the hose tube and the hose cover into the serrations of the ferrule
ISO	International Organisation for Standards

J

JIC	Joint Industrial Council
J.I.C. Thread	Typically refers to the threads on hydraulic fittings having 37° conical sealing surfaces

M

M.S.H.A.	Mine Safety and Health Administration

N

Nipple	The section of the fitting that is inserted into the hose. Also known as the shank of a coupling
Nominal	A dimensional value assigned for the purpose of convenient designation

O

Operating Pressure	The pressure at which the system functions. Also known as Working Pressure
ORB Thread	O-ring Boss™ Thread

P

P.S.I.	Pounds per Square Inch
P.S.I.G.	Pounds per Square Inch Gauge
Permanent Fitting	The type of fitting which, after it is applied, cannot be removed for reuse
Polymer	A macromolecular material formed by the chemical combination of monomers having the same or different chemical composition
Proof Pressure	A specified pressure that exceeds the hose assemblies rated working pressure to indicate its reliability at normal working pressure. Follow R.M.A.'s testing guidelines for specific pressures and durations for various types of hose

R

R.M.A.	Rubber Manufacturers Association
Reusable Fitting	The type of fitting that is designed to be removed from a hose and recoupled on another hose

S

S.A.E.	Society of Automotive Engineers
S.A.E. Threads	Similar to J.I.C. except 45° conical sealing surfaces
S.C.F.M.	Standard Cubic Feet per Minute. Typically refers to the amount of compressed air a compressor can produce
Safety Factor	A ratio used to establish the working pressure of a hose based on the burst pressure Typical Safety Factors are as follows: 1. Water hose up to 150PSI WP: 3 to 1 2. Hose for all other liquids, solid materials suspended in liquids or air and water hose over 150PSI WP: 4 to 1 3. Hose for compressed air and other gases: 4 to 1 4. Hose for liquid media that immediately changes into gas under standard atmospheric conditions: 5 to 1 5. Steam hose: 10 to 1
Serration	The part of the shank (stem) that grips the hose tube
Shank	The section of the fitting or coupling that is inserted into the hose
Sintered	Process in which powdered metal is formed in a mould under extreme pressure to form a finished part
Surge	A rapid rise and decrease of internal pressure

T

Torque	Amount of force required to turn an object. Usually measured in Newton metres (Nm) or foot pounds (ft. lbs)
Tube	The innermost part of the hose that's purpose is to contain the media being transported. Usually, rubber compounds or plastics are blended to give the tube specific properties so that it is compatible with certain media

U

UHMW	Ultra High Molecular Weight polyethylene is an extremely tough plastic. It has excellent chemical resistance properties which makes it ideal for chemical handling hoses

W

W.O.G.	Water, Oil, Gas. Pressure rating for valves handling these products. This does not include steam
W.P.	Working Pressure
Working Pressure	The maximum pressure to which a hose assembly will be subjected to including pressure surges

X

X.L.P.E.	Cross-Linked Polyethylene. Tube material that has good chemical resistance properties

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