



Hydraulic & Pneumatic Quick Couplings Catalogue

Uncommon Excellence

Hydraulic & Pneumatic Quick Couplings

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Pneumatic Quick Couplings

Pneumatic Profile Shape



J-Series

steel • brass



Automotive

page 7

N-Series

steel • brass • 303 ss •
316 ss

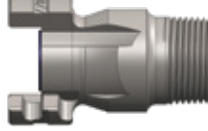


Bowes/Dix-Lock™

page 10

P-Series

steel • brass • 303 ss



Thor/Dual-Lock

page 14

NK-Series

steel



Japanese Industrial

page 17

DF-Series

steel • brass • 303 ss



Industrial Interchange

page 19



SCAN the QR code to view the full Dixon Quick Coupling Catalogue with all the technical information.



- 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

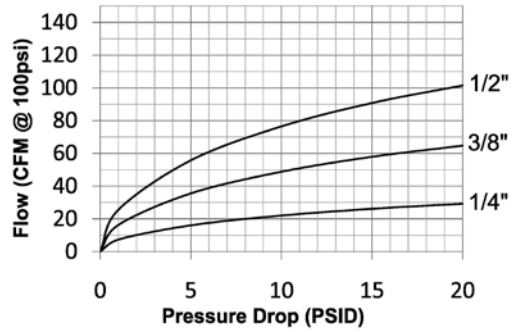
- Machined components are manufactured using solid steel or brass bar stock
- Stainless steel balls, retaining rings and springs maximise corrosion resistance and extend the service life
- 1/4" couplers constructed of brass with steel sleeves and steel tubular valves as standard
- 3/8" and 1/2" couplers 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

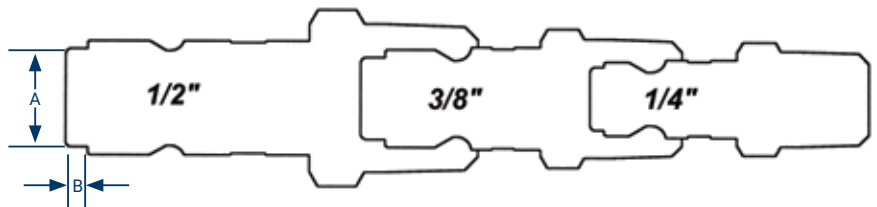
- Truflate automotive interchange style
- Parker 10-Series
- Rectus 55KM
- Tomco A2100/PT400
- Ryco 200



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
1/4	500	35	11500	793	300	20	10500	724	-	-	-	-	-	-	-	-
3/8	-	-	-	-	-	-	-	-	500	35	18000	1241	-	-	-	-
1/2	-	-	-	-	-	-	-	-	500	35	1000	690	-	-	-	-

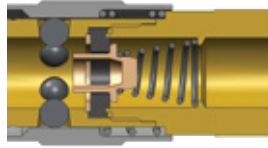
J-Series Profiles

Body Size (inch)	A (mm)	B (mm)
1/4	10.67	1.52
3/8	14.22	3.30
1/2	16.51	3.30



J-Series Truflate Interchange Coupler

Female Thread

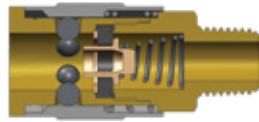
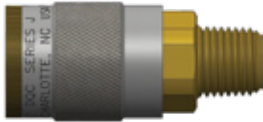


Materials & Sizes

- 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

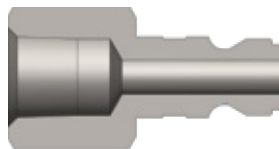


Materials & Sizes

- 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

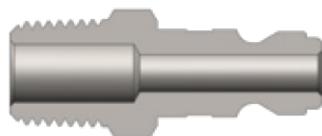


Materials & Sizes

- 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
1/4	1/8:27 NPT	2JF1-B	2JM1-B	J2F1	J2M1	-	-
1/4	1/4:18 NPT	2JF2-B	2JM2-B	J2F2	J2M2	-	J2S2
1/4	1/4:18 NPT	2JF2-B	2JM2-B	J2F2-B	J2M1-B	2JS2-B	-
1/4	3/8:18 NPT	2JF3-B	2JM3-B	J2F3	J2M3	2JS3-B	J2S3
3/8	1/4:18 NPT	3JF2	3JM2	J3F2	J3M2	3JS2	J3S2
3/8	3/8:18 NPT	3JF3	3JM3	J3F3	J3M3	3JS3	J3S3
3/8	1/2:14 NPT	3JF4	3JM4	J3F4	J3M4	3JS4	J3S4
1/2	3/8:18 NPT	4FF3	4FM3	J4F3	J4M3	4FS3	J4S3
1/2	1/2:14 NPT	4FF4	4FM4	J4F4	J4M4	4FS4	J4S4
1/2	3/4:14 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

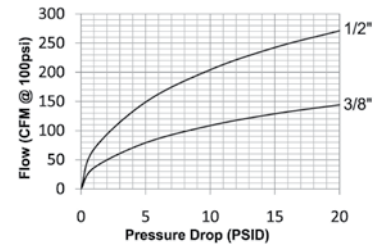
N-Series Dix-Lock™ Interchange

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
3/8	500	35	7000	480	-	-	-	-	-	-	-	-
1/2	500	35	11000	755	300	20	8200	565	500	35	12600	869

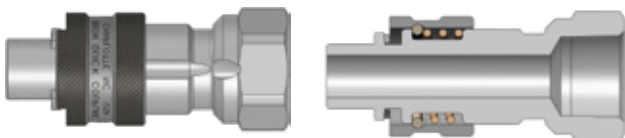
N-Series Dix-Lock™ Coupler Female Thread



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"

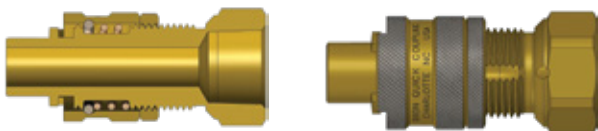
N-Series Dix-Lock™ Nipple Female Thread



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

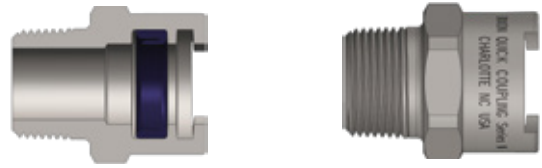
- Brass Body: 1/2" with NPT thread sizes 1/2" or 3/4"
- Steel Body: 1/2" with NPT thread sizes 1/2" or 3/4"

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"

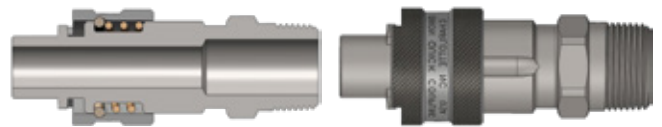


N-Series Dix-Lock™ Nipple

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"

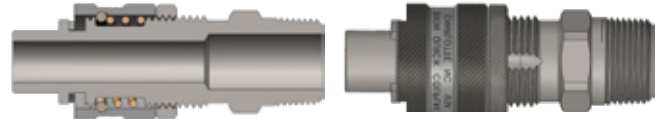


N-Series Dix-Lock™ Safety-Lock Nipple

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"

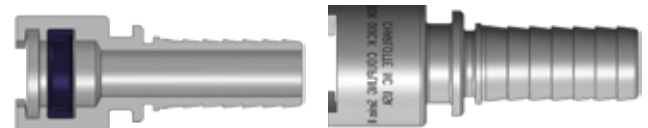


N-Series Dix-Lock™ Coupler

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"

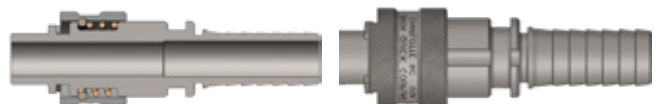


N-Series Dix-Lock™ Nipple

Hose Tail

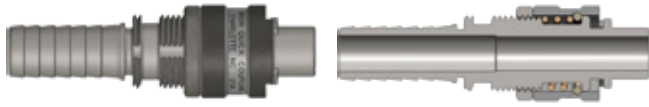
Materials & Sizes

- 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"



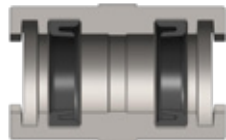
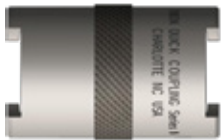
Pneumatic Quick Couplings - N-Series

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"



Male Head



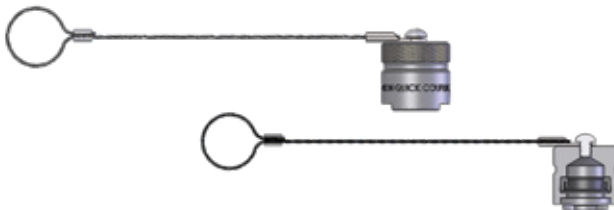
Female Head

N-Series Dix-Lock™ with Ferrules

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
1/2	N4DC	Steel
1/2	N4BM8-B	Brass

Product Group: AD07

N-Series Dix-Lock™ Replacement Seals



Body Size (inch)	Part Numbers	Coupler Style	Seal Material
3/8	3N-SKIT	All	Nitrile
1/2	4N-SKIT	All	Nitrile
1/2	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
3/8	1/2:14 NPT	-	-	-	3NM4	N3M4	-
3/8	1/2:14 BSPT	-	-	-	3NBM4	N3BM4	-
1/2	3/8:18 NPT	4NF3	N4F3	-	4NM3	N4M3	-
1/2	3/8:18 NPT	4NF3-B	N4F3-B	-	4NM3-B	N4M3-B	-
1/2	3/8:19 BSP	4NBF3	N4BF3	-	4NBM3	N4BM3	-
1/2	1/2:14 NPT	4NF4	N4F4	-	4NM4	N4M4	N4M4-LS
1/2	1/2:14 NPT	4NF4-B	N4F4-B	N4F4-B-LS	4NM4-B	N4M4-B	N4M4-B-LS
1/2	1/2:14 BSP	4NBF4	N4BF4	-	4NBM4	N4BM4	N4BM4-LS
1/2	1/2:14 BSP	4NBF4-B	N4BF4-B	-	4NBM4-B	N4BM4-B	-
1/2	3/4:14 NPT	4NF6	N4F6	-	4NM6	N4M6	N4M6-LS
1/2	3/4:14 NPT	4NF6-B	N4F6-B	N4F6-B-LS	4NM6-B	N4M6-B	N4M6-B-LS
1/2	3/4:14 NPT	4NF6-S	N4F6-S	-	4NM6-S	N4M6-S	N4M6-S-LS
1/2	3/4:14 BSP	4NBF6	N4BF6	-	4NBM6	N4BM6	N4BM6-LS
1/2	3/4:14 BSP	4NBF6-B	N4BF6-B	-	4NBM6-B	N4BM6-B	-
1/2	1:11 1/2 NPT	4NF8	N4F8	-	4NM8	N4M8	-
1/2	1:11 1/2 NPT	4NF8-B	N4F8-B	-	4NM8-B	N4M8-B	-
1/2	1:11 BSP	4NBF8	N4BF8	-	4NBM8	N4BM8	-
1/2	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
3/8	1/2	3NCS4	N3CS4	-	-	-	-
1/2	3/8	4NS3	N4S3	-	-	-	-
1/2	3/8	4NS3-B	N4S3-B	-	-	-	-
1/2	1/2	4NS4	N4S4	N4S4-LS	4N4N	N4S4-WF43	4NS4-WF43
1/2	1/2	4NS4-B	N4S4-B	N4S4-B-LS	-	-	-
1/2	3/4	4NS6	N4S6	N4S6-LS	-	N4S6-WF63	4NS6-WF63
1/2	3/4	4NS6-B	N4S6-B	N4S6-B-LS	-	-	-
1/2	3/4	4NS6-S	N4S6-S	N4S6-S-LS	-	-	-
1/2	1	4NS8	N4S8	-	-	-	-
1/2	1	4NS8-B	N4S8-B	-	-	-	-
1/2	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

Pneumatic Quick Couplings - P-Series

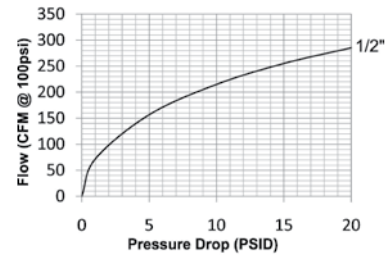
P-Series Dual Lock

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

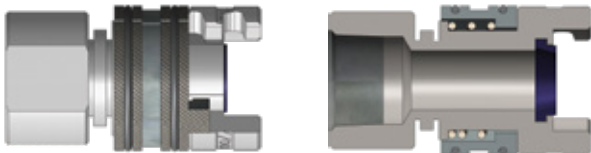
Specifications

- Working pressure: 300 PSI at ambient temperature 21°C

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
1/2	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

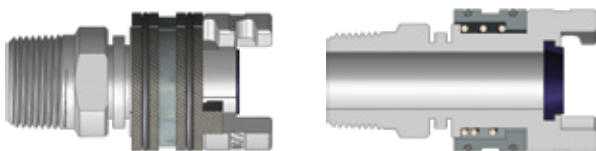


Materials & Sizes

- 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"

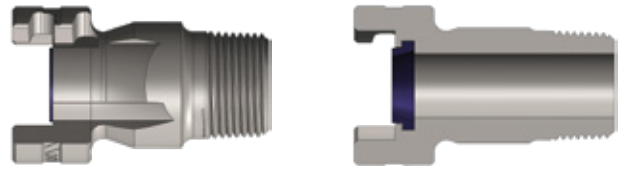
NPT is a fuel thread. It will mate with NPT thread but is modified to ensure better pressure tight sealing

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"

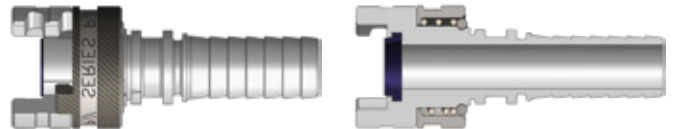


P-Series Dual Lock Coupler

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
1/2	1/2	4PS4-WF43	21mm to 26mm
1/2	3/4	4PS6-WF63	29mm to 34mm

Product Group: AD07



P-Series Dual Lock Replacement Seals

Body Size (inch)	Part Numbers	Seal Material
1/2	4P-SKIT	Nitrile
1/2	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
1/2	3/8:18 NPT	-	P4F3	4PM3	P4M3	4PS3
1/2	1/2:14 NPT	4PF4	P4F4	4PM4	P4M4	4PS4
1/2	1/2:14 NPT	4PF6-B	P4F4-B	-	P4M4-B	4PS4-B
1/2	3/4:14 NPT	4PF6	P4F6	4PM6	P4M6	4PS6
1/2	3/4:14 NPT	-	P4F6-9	4PM6-9	P4M6-9	4PS6-9
1/2	3/4:14 NPT	-	P4F6-B	-	P4M6-B	4PS6-B
1/2	3/4:14 NPT	4PF6-S	P4F6-S	4PM6-S	P4M6-S	-
1/2	1:11 1/2 NPT	-	P4F8	4PM8	P4M8	4PS8
1/2	1:11 1/2 NPT	-	P4F8-B	-	P4M8-B	4PS8-B

Refer to our website for full specifications: dixonvalve.com.au

Product Group: AD07

Pneumatic Quick Couplings - Technical Information

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	1⅞	0.968	1¼	0.968
½	55/64"	0.859	1⅞	0.968	1¼	0.968
½	56/64"	0.875	1⅞	0.968	1¼	0.968
½	57/64"	0.891	1⅞	1.000	1¼	1.000
½	58/64"	0.906	1⅞	1.000	1¼	1.000
½	59/64"	0.922	1⅞	1.031	1¼	1.031
½	60/64"	0.938	1⅞	1.031	1¼	1.031
½	61/64"	0.953	1⅞	1.062	1¼	1.062
½	62/64"	0.969	1⅞	1.062	1¼	1.062
½	63/64"	0.984	1⅞	1.062	1¼	1.062
½	1"	1.000	1⅞	1.093	1¼	1.093
½	1-1/64"	1.016	1⅞	1.093	1¼	1.093
½	1-2/64"	1.031	1⅞	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

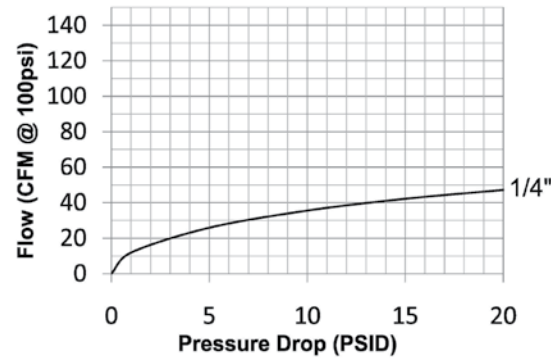
- Machined components are manufactured using solid steel bar stock
- Stainless steel balls, retaining rings and springs maximise corrosion resistance and extend the service life
- Steel componentry is plated using chrome-over-nickel plating
- Available in stainless steel

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

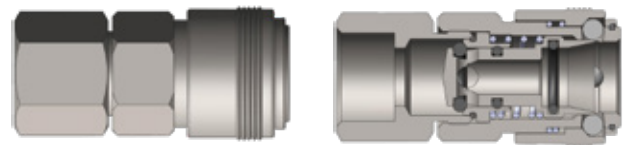
Body Size (inch)	Max Working		Burst	
	PSI	Bar	PSI	Bar
1/4	300	20	13500	931
3/8	300	20	13500	931
1/2	300	20	13500	931

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"

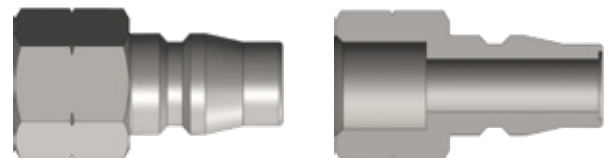


NK-Series Nitto Interchange Nipple

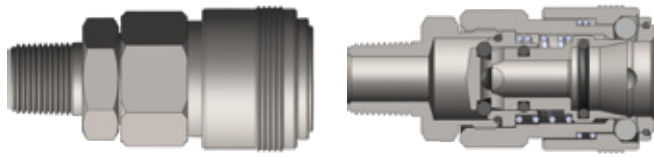
Female Thread

Materials & Sizes

- Steel Body: 1/4" to 1/2" with BSPP thread sizes 1/4" to 1/2"



Pneumatic Quick Couplings - NK-Series

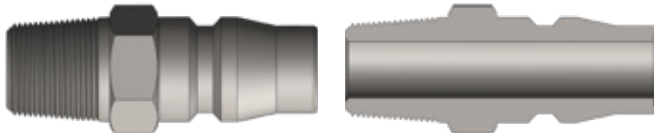


NK-Series Nitto Interchange Coupler

Male Thread

Materials & Sizes

- Steel Body: 1/4" to 1/2" with BSPT thread sizes 1/4" to 1/2"

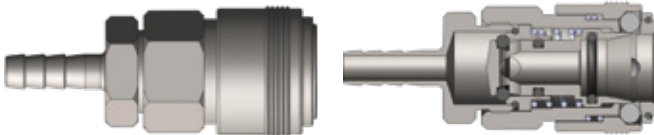


NK-Series Nitto Interchange Nipple

Male Thread

Materials & Sizes

- Steel Body: 1/4" to 1/2" with BSPT thread sizes 1/4" to 1/2"

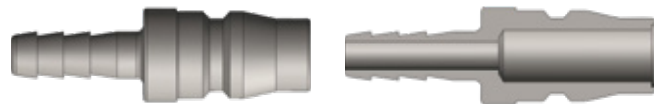


NK-Series Nitto Interchange Coupler

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
1/4	1/4:19 BSP	20SF	20PF	20SM	20PM	20SH	20PH
3/8	3/8:14 BSP	30SF	30PF	30SM	30PM	30SH	30PH
1/2	1/2:14 BSP	40SF	40PF	40SM	40PM	40SH	40PH

Refer to our website for full specifications: dixonvalve.com.au

Product Group: AP10

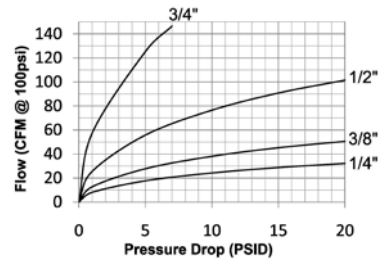
DF-Series Industrial Interchange

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 (3/8" to 3/4" 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

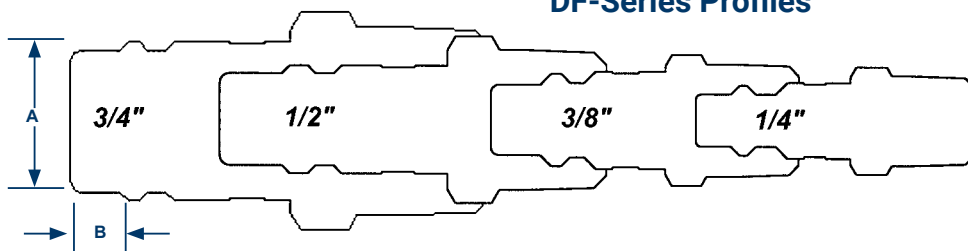
Size (inch)	Brass Coupler/Steel Plug				Brass Coupler/Plug				Steel Coupler/Plug				303 Stainless Steel Coupler/Plug			
	Max Working		Burst		Max Working		Burst		Max Working		Burst		Max Working		Burst	
	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar
1/4	500	35	16000	1100	300	20	16000	1100	-	-	-	-	500	35	26000	1795
3/8	500	35	15500	1070	300	20	14500	1000	-	-	-	-	500	35	25500	1760
1/2	500	35	14000	965	300	20	10500	725	-	-	-	-	500	35	20500	1415
3/4	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
1/4	500	35	9000	620	300	20	8500	586	500	35	6500	448	500	35	11500	795
3/8	500	35	11500	790	300	20	10000	690	500	35	19500	1345	500	35	20500	1415
1/2	-	-	-	-	-	-	-	-	500	35	15500	1070	500	35	15000	1035

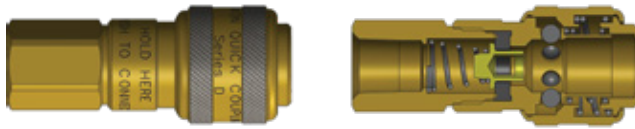
Interchange Standards			Functional Parameters				
Size (inch)	International Standards	ANSI/NFPA Standards	Locking Ball Quantity	Air Inclusion	Fluid Loss	Vacuum Rating	Flow ΔP = 15 PSI
1/4	ISO6150B	T3.20.14-1990	6	n/a	n/a	n/a	26 CFM
3/8	ISO6150B	T3.20.14-1990	6	n/a	n/a	n/a	58 CFM
1/2	ISO6150B	T3.20.14-1990	6	n/a	n/a	n/a	91 CFM
3/4	ISO6150B	T3.20.14-1990	9	n/a	n/a	n/a	200 CFM

DF-Series Profiles



Body Size (inch)	A (mm)	B (mm)
1/4	8.13	5.33
3/8	10.92	7.62
1/2	14.22	9.65
3/4	20.32	7.11

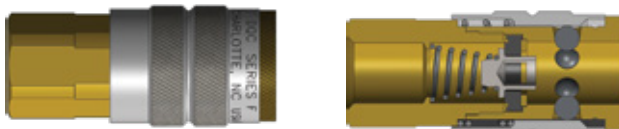
D-Series Automatic Industrial Interchange Safety Coupler Female Thread



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"

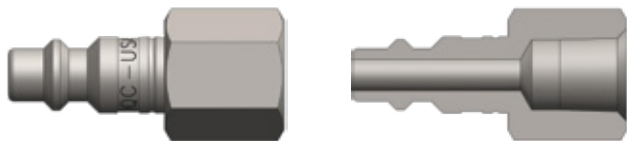
F-Series Manual Industrial Interchange Coupler Female Thread



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"

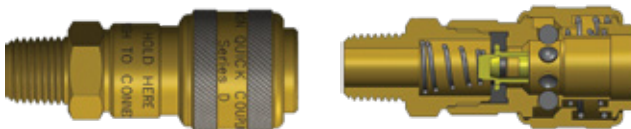
DF-Series Industrial Interchange Nipple Female Thread



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

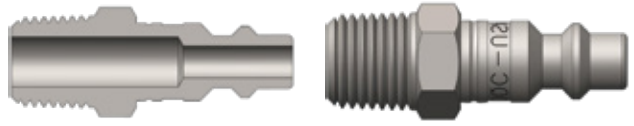
- Brass Body: 1/4" to 1/2" with NPT thread sizes 1/8" to 3/8"
- Steel Body: 1/4" to 1/2" with NPT thread sizes 1/4" to 3/4"
- Brass Body: 1/4" to 1/2" with BSPT thread sizes 1/8" to 1/2"
- Stainless Steel Body: 1/4" to 1/2" with NPT thread sizes 1/8" or 1/2"

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"

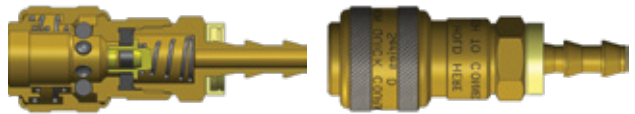


D-Series Automatic Industrial Interchange Coupler

Push-Loc Hose Tail

Materials & Sizes

- Brass Body: 1/4" to 1/2" with hose tail sizes 1/4" to 1/2"

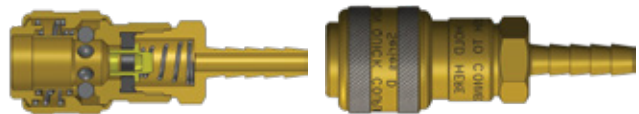


D-Series Automatic Industrial Interchange Safety Coupler

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
1/4	1/8:27 NPT	-	-	-	-	-	D2M1
1/4	1/8:27 NPT	2DF1-B	2FF1-B	D2F1	2DM1-B	2FM1-B	D2M1-B
1/4	1/8:27 NPT	-	-	-	-	2FM1-S	D2M1-S
1/4	1/8:28 BSP	-	2FBF1-B	-	-	-	-
1/4	1/4:18 NPT	-	2FF2	D2F2	-	2FM2	D2M2
1/4	1/4:18 NPT	2DF2-B	2FF2-B	D2F2-B	2DM2-B	2FM2-B	D2M2-B
1/4	1/4:18 NPT	2DF2-S	2FF2-S	D2F2-S	2DM2-S	2FM2-S	D2M2-S
1/4	1/4:19 BSP	2DBF2-B	2FBF2-B	D2BF2	2DBM2-B	2FBM2-B	D2BM2
1/4	3/8:18 NPT	-	-	-	-	-	D2M3
1/4	3/8:18 NPT	2DF3-B	2FF3-B	D2F3-B	2DM3-B	2FM3-B	D2M3-B
1/4	3/8:18 NPT	2DF3-S	2FF3-S	D2F3-S	2DM3-S	2FM3-S	D2M3-S
1/4	3/8:19 BSP	2DBF3-B	2FBF3-B	D2BF3	2DBM3-B	-	D2BM3
3/8	1/4:18 NPT	3DF2-B	3FF2	D3F2	3DM2-B	3FM2	D3M2
3/8	3/8:18 NPT	-	3FF3	D3F3	-	3FM3	D3M3
3/8	3/8:18 NPT	3DF3-B	-	D3F3-B	3DM3-B	-	D3M3-B
3/8	3/8:18 NPT	3DF3-S	3FF3-S	D3F3-S	3DM3-S	3FM3-S	D3M3-S
3/8	3/8:19 BSP	3DBF3-B	3FBF3	D3BF3	3DBM3-B	3FBM3	D3BM3
3/8	1/2:14 NPT	3DF4-B	3FF4	D3F4	3DM4-B	3FM4	-
1/2	1/4:18 NPT	-	-	-	-	-	D4M2
1/2	3/8:18 NPT	4DF3-B	4FF3	D4F3	4DM3-B	4FM3	D4M3
1/2	1/2:14 NPT	-	4FF4	D4F4	-	4FM4	D4M4
1/2	1/2:14 NPT	4DF4-B	-	D4F4-B	4DM4-B	-	D4M4-B
1/2	1/2:14 NPT	4DF4-S	4FF4-S	D4F4-S	4DM4-S	4FM4-S	D4M4-S
1/2	1/2:14 BSP	4DBF4-B	4FBF4	D4BF4	4DBM4-B	4FBM4	D4BM4
1/2	3/4:14 NPT	-	4FF6	D4F6	-	4FM6	D4M6
1/2	3/4:14 NPT	4DF6-B	-	D4F6-B	4DM6-B	-	D4M6-B
3/4	1/2:14 NPT	6DF4-B	-	D6F4	6DM4-B	-	D6M4
3/4	3/4:14 NPT	6DF6-B	-	-	6DM6-B	-	D6M6
3/4	1:11 1/2 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
1/4	1/4	-	-	2FS2	D2S2
1/4	1/4	2DB2-B	2DS2-B	2FS2-B	-
1/4	1/4	-	2DS2-S	2FS2-S	D2S2-S
1/4	5/16	-	-	2FS2.5-B	D2S2.5
1/4	3/8	-	-	-	D2S3
1/4	3/8	2DB3-B	2DS3-B	2FS3-B	D2S3-B
1/4	3/8	-	2DS3-S	2FS3-S	D2S3-S
3/8	1/4	-	3DS2-B	3FS2	D3S2
3/8	3/8	3DB3-B	3DS3-B	3FS3	D3S3
3/8	3/8	-	3DS3-S	3FS3-S	D3S3-S
3/8	3/8	-	-	-	D3S3-B
3/8	1/2	-	3DS4-B	3FS4	D3S4
1/2	3/8	-	-	4FS3	D4S3
1/2	3/8	-	4DS3-B	-	D4S3-B
1/2	1/2	4DB4-B	4DS4-B	4FS4	D4S4-B
1/2	1/2	-	4DS4-S	4FS4-S	D4S4-S
1/2	3/4	-	-	4FS6	-D4S6
1/2	3/4	-	4DS6-B	-	D4S6-B
3/4	1/2	-	6DS4-B	-	D6S4
3/4	3/4	-	6DS6-B	-	D6S6
3/4	1	-	6DS8-B	-	D6S8

Refer to our website for full specifications: dixonvalve.com.au

Product Group: AN01

Hydraulic Profile Shape



<p>H-Series steel • brass • 303 ss • 316 ss</p>  <p>ISO7241-B page 24</p>	<p>H-BOP-Series steel • 316 ss</p>  <p>ISO7241-B BOP page 28</p>	<p>HS-Series steel • brass • 303 ss</p>  <p>ISO7241-B Steam page 29</p>	<p>K-Series steel • 316 ss</p>  <p>ISO7241-A page 32</p>	<p>W-Series steel • brass</p>  <p>Wingstyle page 36</p>
<p>WS-Series steel • 316 ss</p>  <p>Heavy-Duty Wingstyle page 40</p>	<p>WS-BOP-Series steel • 316 ss</p>  <p>Heavy-Duty Wingstyle BOP page 40</p>	<p>VEP-Series steel • 316 ss</p>  <p>Threaded Flushface page 45</p>	<p>VEP-BOP-Series steel</p>  <p>Threaded Flushface BOP page 47</p>	<p>HT-Series steel • 316 ss</p>  <p>Correct Connect® ISO16028 page 49</p>
<p>HTE-Series steel</p>  <p>ISO16028 Connect Under Pressure Plug page 56</p>	<p>HTZ-Series steel</p>  <p>ISO16028 Connect Under Pressure Coupler page 58</p>	<p>HT-AG-Series steel</p>  <p>ISO16028:AG ISO7241-A page 59</p>	<p>XK-Series steel</p>  <p>10K Flushface page 60</p>	<p>ST-Series steel • 316 ss</p>  <p>Heavy-Duty Flushface page 61</p>
<p>AG-Series steel</p>  <p>Agricultural page 65</p>	<p>T-Series steel • 316 ss</p>  <p>10K Threaded page 68</p>	<p>TR-Series steel</p>  <p>European page 70</p>	<p>E-Series steel • brass • 303 ss</p>  <p>Straight-Through page 73</p>	<p>V-Series steel • brass • 316 ss</p>  <p>MIL-C-51234 page 77</p>
<p>CVV-Series steel</p>  <p>Euro-Threaded ISO14541 page 84</p>	<p>PD-Series steel</p>  <p>ISO15171-1 Test page 86</p>	<p>CNG-Series 303 ss</p>  <p>ISO16028 Connect Under Pressure Coupler page 88</p>		

Hydraulic Quick Couplings - H-Series

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

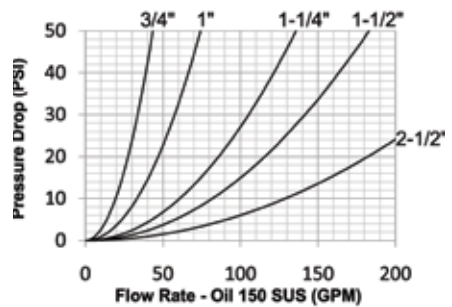
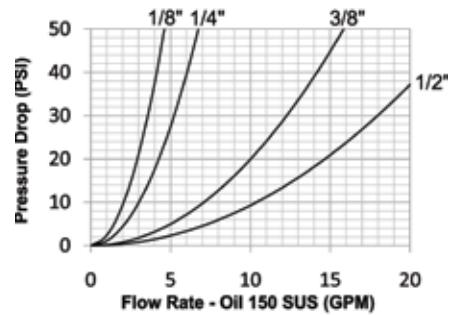
- Nitrile (Buna-N) seals are standard providing a temperature range of -40°C to 121°C
- 1/8" to 1" couplers have a redundant O-ring sealing system with PTFE backup ring. 1¼" to 2½" have a Hytrel® backup ring
- 1/4" to 1" valve seals are crimped in place to maintain integrity during excessive flow conditions 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
1/8	4000	275	14500	1000	3000	200	16500	1100	3500	240	29500	2000	3500	240	29500	2000
1/4	5000	345	22500	1550	3000	200	15000	1000	3500	240	31500	2150	3500	240	33000	2200
3/8	4000	275	16500	1150	2500	175	12000	800	3500	240	26500	1800	3500	240	28000	1900
1/2	4000	275	16000	1100	2500	175	11500	750	3500	240	27500	1900	3500	240	22000	1500
3/4	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

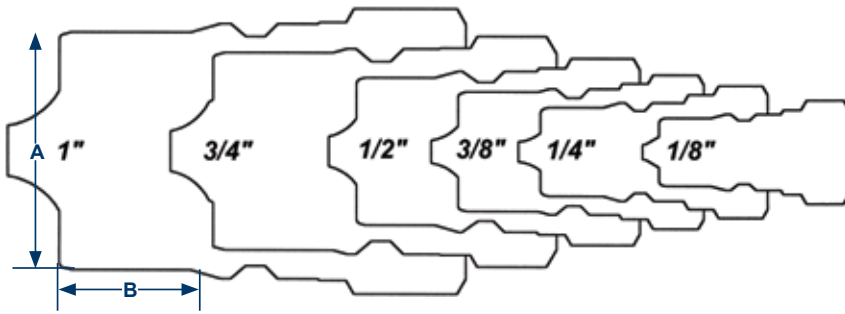
Body Size (inch)	Interchange Standards		Functional Parameters				
	International Standards	ANSI/NFPA Standards	Locking Ball Quantity	Air Inclusion (cc)	Fluid Loss (cc)	Vacuum Rating	Flow ΔP = 15 PSI
1/8	ISO7241-B	B93.113M-B	8	0.6	0.3	27.4	12
1/4	ISO7241-B	B93.113M-B	8	1.1	0.9	27.4	17
3/8	ISO7241-B	B93.113M-B	9	2.6	1.8	27.4	38
1/2	ISO7241-B	B93.113M-B	9	3.8	2.9	27.4	57
3/4	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)
1/8	10.92	8.13
1/4	14.22	9.91
3/8	19.05	12.19
1/2	23.37	12.45
3/4	31.50	19.05
1	37.85	20.83
1 1/4	37.85	28.70
1 1/2	44.45	32.77
2 1/2	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"

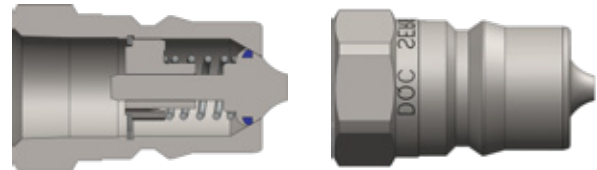


H-Series ISO-B Interchange: Nipples

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: 1/4" to 2 1/2" with NPT thread sizes 1/4" to 2"
- Steel Body: 1/4" to 2 1/2" with NPT thread sizes 1/4" to 3"
- Steel Body: 1 1/2" with O-ring boss thread sizes 1 5/8" or 1 7/8"
- Stainless Steel Body: 1/4" to 1 1/2" with NPT thread sizes 1/4" to 1 1/2"

BSPP thread available in brass, steel, stainless steel in body sizes 1/4", 1 1/2" with thread sizes 1/4", 1 1/2"



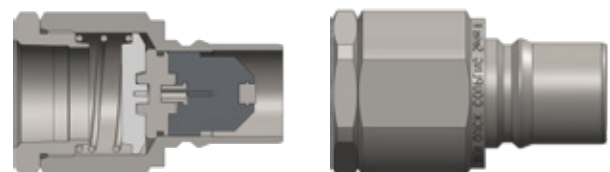
H-Series ISO-B Interchange High Volume Nipples

Female Thread

Materials & Sizes

- Brass Body: 1 1/4" to 2 1/2" with NPT thread sizes 1/4" to 2"
- Steel Body: 1/4" to 2 1/2" with NPT thread sizes 1/4" to 3"
- Steel Body: 1 1/2" with O-ring boss thread sizes 1 5/8" or 1 7/8"
- Stainless Steel Body: 1/4" to 1 1/2" with NPT thread sizes 1/4" to 1 1/2"

BSPP thread available in brass, steel, stainless steel in body sizes 1/4", 1 1/2" with thread sizes 1/4", 1 1/2"



Hydraulic Quick Couplings - H-Series

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
³ / ₈	³ / ₈ :18 NPT	3HF3	H3F3	Steel
³ / ₈	³ / ₈ :18 NPT	3HF3-B	H3F3-B	Brass
³ / ₈	³ / ₈ :18 NPT	3HF3-S	H3F3-S	303 SS
³ / ₈	³ / ₈ :18 NPT	3HF3-SS	H3F3-SS	316 SS
³ / ₈	³ / ₈ :19 BSPP	3HBF3	H3BF3	Steel
³ / ₈	³ / ₈ :19 BSPP	3HBF3-B	H3BF3-B	Brass
³ / ₈	³ / ₈ :19 BSPP	3HBF3-S	H3BF3-S	303 SS
³ / ₈	³ / ₈ :19 BSPP	3HBF3-SS	H3BF3-SS	316 SS
³ / ₈	³ / ₄ :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	⁷ / ₈ :14 ORB	4HOF5	H4OF5	Steel
³ / ₄	³ / ₄ :14 NPT	6HF6	H6F6	Steel
³ / ₄	³ / ₄ :14 NPT	6HF6-B	H6F6-B	Brass
³ / ₄	³ / ₄ :14 NPT	6HF6-S	H6F6-S	303 SS
³ / ₄	³ / ₄ :14 NPT	6HF6-SS	H6F6-SS	316 SS
³ / ₄	³ / ₄ :14 BSPP	6HBF6	H6BF6	Steel
³ / ₄	³ / ₄ :14 BSPP	6HBF6-B	H6BF6-B	Brass
³ / ₄	³ / ₄ :14 BSPP	6HBF6-S	H6BF6-S	303 SS
³ / ₄	³ / ₄ :14 BSPP	6HBF6-SS	H6BF6-SS	316 SS
³ / ₄	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	1½:12 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	1½:12 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

¹8HDP-H8DC fits both 1" and 1¼" body sizes

Aluminium dust caps and plugs come with steel cable

Refer to our website for full range and specifications - dixonvalve.com.au

Product Group: AP03

Hydraulic Quick Couplings - H-BOP-Series

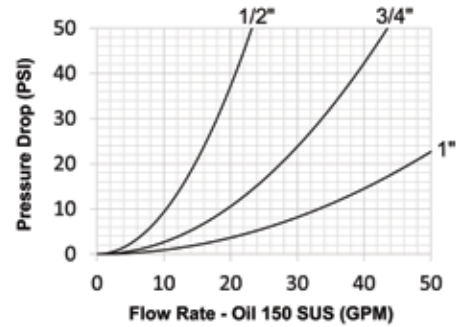
H-BOP Series Hydraulic Couplings

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		
1/2	5000	345	16000	1100	5000	345	22000	1500	5000	68.2 LPM
3/4	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

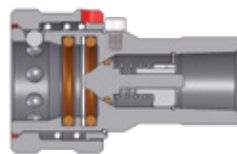
BOP couplings have been fire tested and Lloyd's certified to 700°C in accordance with API 16D. Certificate available upon request

H-BOP Series Hydraulic

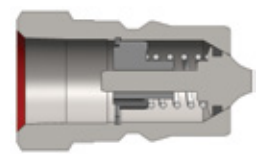
Blowout Prevention Safety: Female Threads



Coupler



Nipple



Body Size (inch)	Thread Size (inch)	Part Numbers		Body Material
		Couplers Female Thread	Nipples Female Thread	
1/2	1/2:14 NPT	H4F4-BOP	4HF4-BOP	Steel
1/2	1/2:14 NPT	H4F4-SS-BOP	4HF4-SS-BOP	316 SS
3/4	3/4:14 NPT	H6F6-BOP	6HF6-BOP	Steel
3/4	3/4:14 NPT	H6F6-SS-BOP	6HF6-SS-BOP	316 SS
1	1:11 1/2 NPT	H8F8-BOP	8HF8-BOP	Steel
1	1:11 1/2 NPT	H8F8-SS-BOP	8HF8-SS-BOP	316 SS

Use H-Series dust caps and plugs. Refer to page 27
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

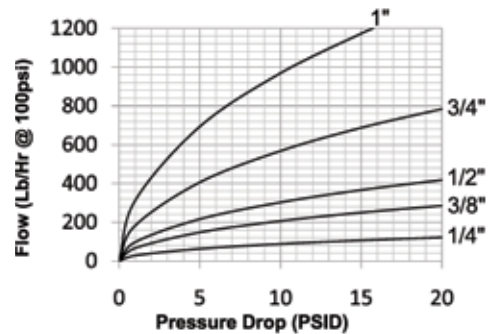
- HS-Series couplers and nipples are fully compliant with the parameters outlined in ISO7241 Series B
- Flanged sleeves are designed for ease of sleeve operation while wearing gloves during connection and disconnection
- EPDM steam body and valve seals are formulated to withstand continuous steam service
- 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 Coupler/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

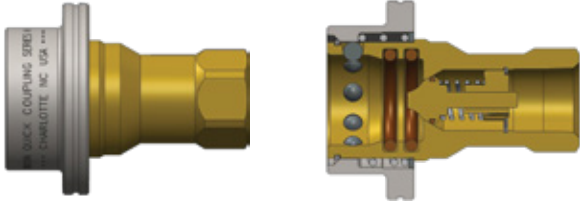
Size (inch)	Interchange Standards		Functional Parameters				
	International Standards	ANSI/NFPA Standards	Locking Ball Quantity	Air Inclusion	Fluid Loss	Vacuum Rating	Flow ΔP = 10 PSI
¼	ISO7241-B	B93.113M-B	8	1.1cc	0.9cc	27.4	39.9 kg/hr
⅜	ISO7241-B	B93.113M-B	9	2.6cc	1.8cc	27.4	93.4 kg/hr
½	ISO7241-B	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

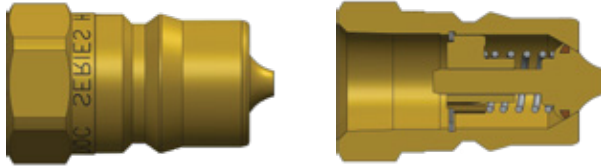
HS-Series Couplers Female Thread



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	
1/4	1/4:18 NPT	HS2F2	-	Steel
1/4	1/4:18 NPT	HS2F2-B	2HSF2-B	Brass
1/4	1/4:18 NPT	HS2F2-S	2HSF2-S	303 SS
1/4	1/4:19 BSPP	HS2BF2	-	Steel
1/4	1/4:19 BSPP	HS2BF2-B	2HSBF2-B	Brass
1/4	1/4:19 BSPP	HS2BF2-S	2HSBF2-S	303 SS
3/8	3/8:18 NPT	HS3F3	-	Steel
3/8	3/8:18 NPT	HS3F3-B	3HSF3-B	Brass
3/8	3/8:18 NPT	HS3F3-S	3HSF3-S	303 SS
3/8	3/8:19 BSPP	HS3BF3	-	Steel
3/8	3/8:19 BSPP	HS3BF3-B	3HSBF3-B	Brass
3/8	3/8:19 BSPP	HS3BF3-S	3HSBF3-S	303 SS
1/2	1/2:14 NPT	HS4F4	-	Steel
1/2	1/2:14 NPT	HS4F4-B	4HSF4-B	Brass
1/2	1/2:14 NPT	HS4F4-S	4HSF4-S	303 SS
1/2	1/2:14 BSPP	HS4BF4	-	Steel
1/2	1/2:14 BSPP	HS4BF4-B	4HSBF4-B	Brass
1/2	1/2:14 BSPP	HS4BF4-S	4HSBF4-S	303 SS
3/4	3/4:14 NPT	HS6F6	-	Steel
3/4	3/4:14 NPT	HS6F6-B	6HSF6-B	Brass
3/4	3/4:14 NPT	-	6HSF6-S	303 SS
3/4	3/4:14 BSPP	HS6BF6	-	Steel
3/4	3/4:14 BSPP	HS6BF6-B	6HSBF6-B	Brass
3/4	3/4:14 BSPP	HS6BF6-S	6HSBF6-S	303 SS
1	1:1 1/2 NPT	HS8F8	-	Steel
1	1:1 1/2 NPT	HS8F8-B	8HSF8-B	Brass
1	1:1 1/2 NPT	HS8F8-S	8HSF8-S	303 SS
1	1:1 BSPP	HS8BF8	-	Steel
1	1:1 BSPP	HS8BF8-B	8HSBF8-B	Brass
1	1:1 BSPP	HS8BF8-S	8HSBF8-S	303 SS

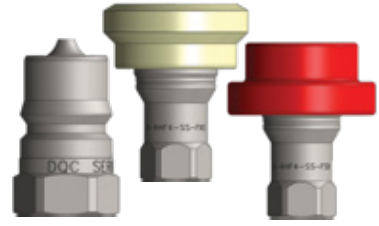
Refer to our website for full specifications - dixonvalve.com.au

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

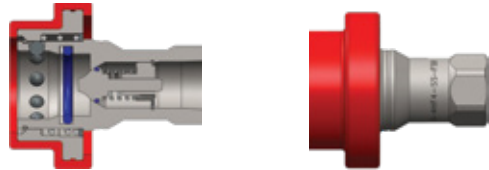
Body Size (inch)	Parker	Aeroquip	Snap-Tite	Stucchi	Faster	Hansen
½	60 Series	FD45	72 Series	IRB/IRBO/IRBX	HNV Series	HK Series

H-Series Silicone Flanged Couplers

Female Thread

Materials & Sizes

- Stainless Steel Body: 1/2" with NPT thread sizes 1/2"

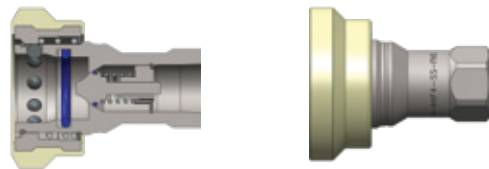


H-Series Nylon Flanged Couplers

Female Thread

Materials & Sizes

- Stainless Steel Body: 1/2" with NPT thread sizes 1/2"

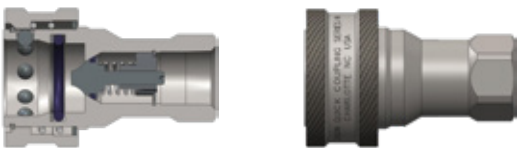


H-Series Steel Mill Slide Gate Coupler/Nipple

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

Hydraulic Quick Couplings - K-Series

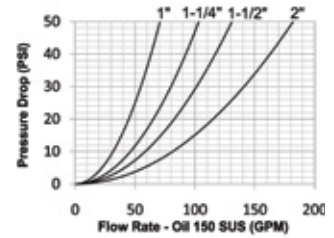
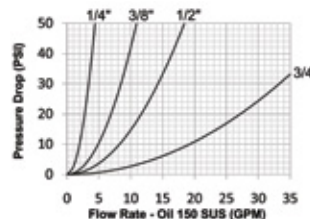
K-Series ISO7241 Series A

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
1/4	5000	345	18270	1200
3/8	4000	275	18270	1200
1/2	4000	275	16500	1100
3/4	4000	275	14800	1000
1	4000	275	12400	850
1 1/4	3000	200	12600	850
1 1/2	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
1/4	ISO7241-A	6	0.6cc	0.3cc	26.5	11
3/8	ISO7241-A	9	2.6cc	1.8cc	26.5	26
1/2	ISO7241-A	9	3.8cc	2.9cc	26.5	45
3/4	ISO7241-A	12	10.8cc	9.7cc	26.5	106
1	ISO7241-A	15	15.9cc	15.3cc	26.5	190
1 1/4	ISO7241-A	16	31.7cc	29.1cc	26.5	265
1 1/2	ISO7241-A	16	56.4cc	52.2cc	26.5	341
2	ISO7241-A	15	n/a	n/a	26.5	454

K-Series Interchange

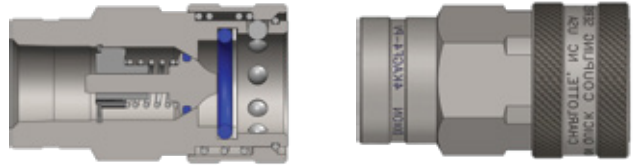
Body Size (inch)	Parker	Aeroquip	Faster	Hansen	Safeway
1/4	Series 6600	FD56 (5600)	ANV	HA 15000	S56-Series
3/8	Series 6600	FD56 (5600)	ANV	HA 15000	S56-Series
1/2	Series 6600	FD56 (5600)	ANV	HA 15000	S56-Series
3/4	Series 6600	FD56 (5600)	ANV	HA 15000	S56-Series
1	Series 6600	FD56 (5600)	ANV	HA 15000	S56-Series
1 1/4	-	-	ANV	HA 15000	S56-Series
1 1/2	-	-	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"

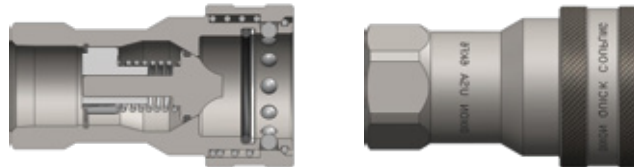


K-Series ISO-A Interchange: Couplers

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: 1 1/4", 1 1/2" & 2" with NPT & BSPP thread sizes 1 1/4", 1 1/2" or 2"

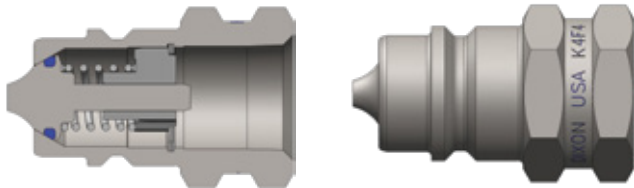


K-Series ISO-A Interchange: Nipples

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"

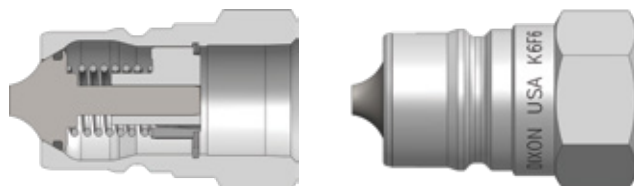


K-Series ISO-A Interchange: Nipples

Female Thread

Materials & Sizes

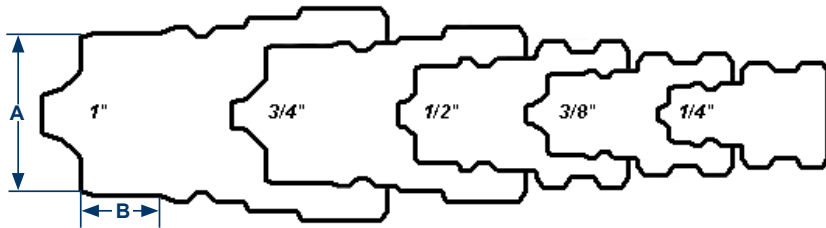
- Steel Body: 3/4" to 2" with NPT & BSPP thread sizes 3/4" to 2"
- Steel Body: 3/4" & 1" with O-ring boss thread sizes 1 1/16" or 1 5/16"
- Stainless Steel Body: 3/4" to 1" with NPT & BSPP thread sizes 3/4" or 1"



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
¾	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	¼:27 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
¾	¾:18 NPT	K3F3	3KF3	Steel
¾	¾:18 NPT	K3F3-SS	3KF3-SS	316 SS
¾	¾:19 BSPP	K3BF3-G	3KBF3-G	Steel
¾	¾:19 BSPP	K3BF3-SS	3KBF3-SS	316 SS
¾	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	7/8:14 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

NPT & ORB thread styles also available
A complete range of seal options are available

Product Group: AP06

Hydraulic Quick Couplings - W-Series

W-Series Wingstyle Interchange

Materials

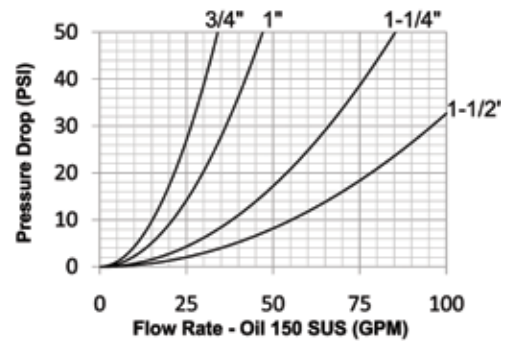
- Machined components are manufactured using solid steel and brass bar stock
- Stainless steel retaining rings and springs maximise corrosion resistance and extend service life.
- Steel componentry is plated using ROHS-compliant trivalent chrome
- Rugged steel cast wing nut for threaded connect and disconnect 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

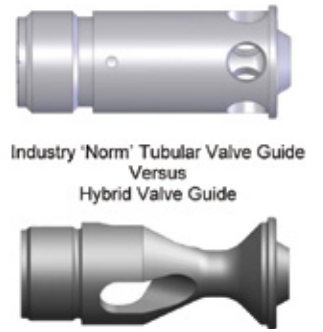
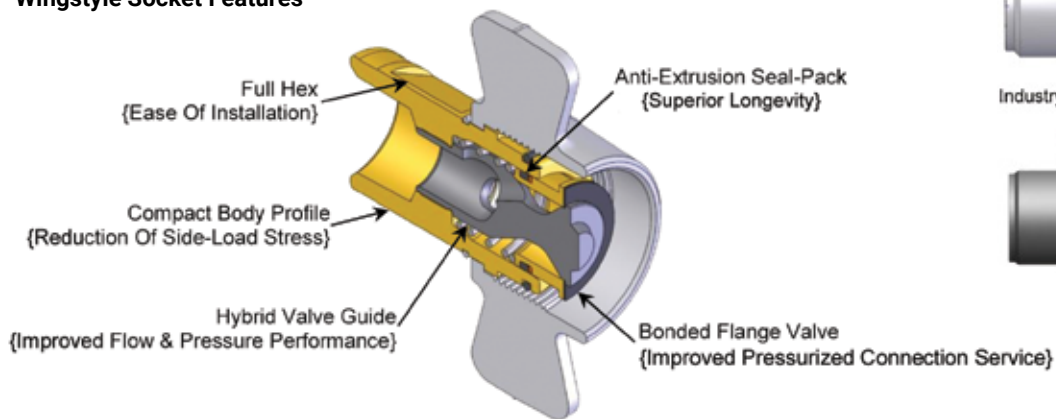
Size (inch)	Functional Parameters				
	Locking Ball Quantity	Air Inclusion	Fluid Loss	Vacuum Rating	Flow ΔP = 32 PSI
¾	Threaded	0.34cc	0.26cc	27.4	106
1	Threaded	0.50cc	0.35cc	27.4	151
1¼	Threaded	0.68cc	0.70cc	27.4	265
1½	Threaded	0.60cc	0.94cc	27.4	379



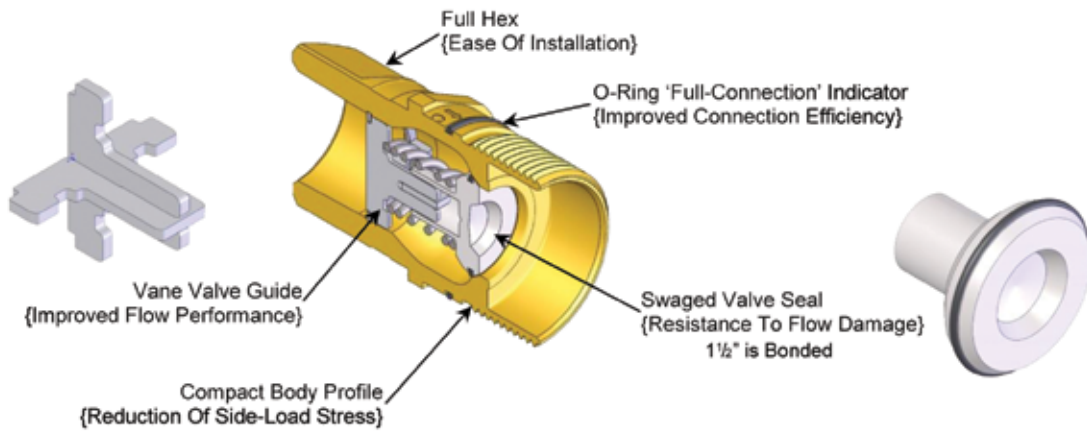
- Although the wingstyle couplings are able to connect and disconnect while under pressure, it is recommended that the hydraulic power supply be de-energised during connection to ensure operator safety. If it is not possible to de-energise the circuit, operators must be aware of their surroundings to 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

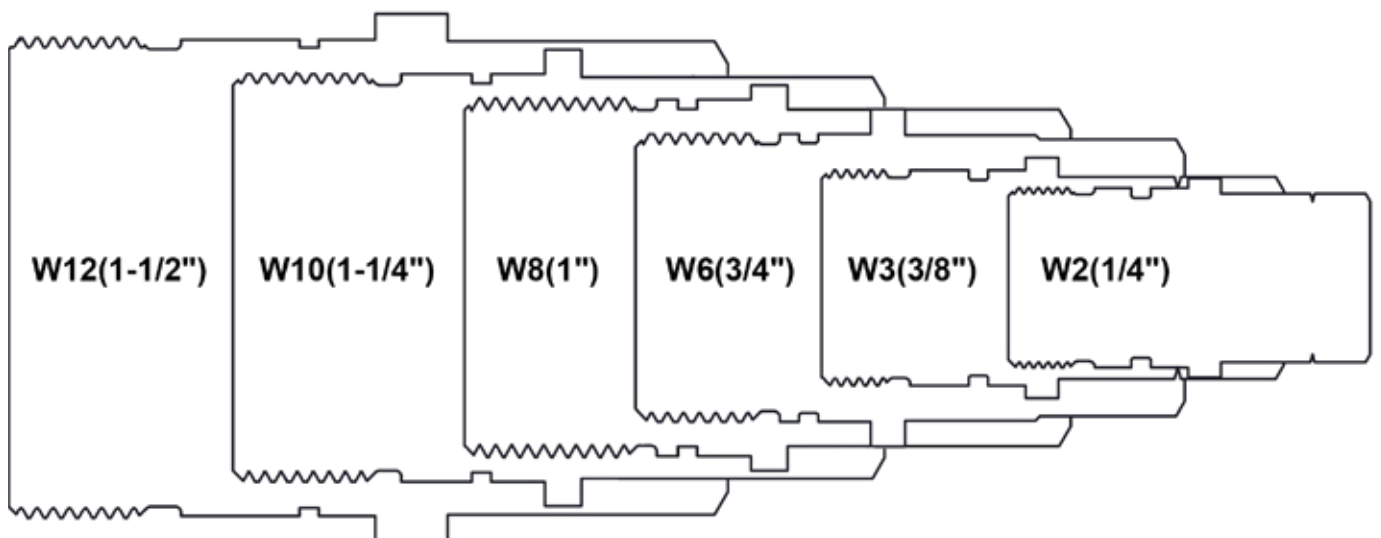
Wingstyle Socket Features



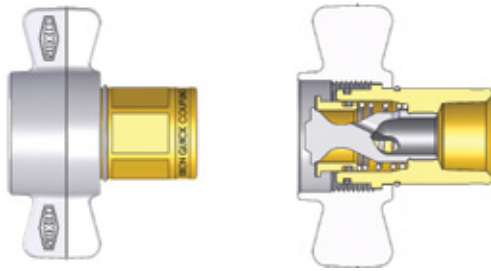
Wingstyle Plug Features



W-Series Profiles



Hydraulic Quick Couplings - W-Series



W-Series Thread Together: Wing Nut Couplers

Female Thread

Materials & Sizes

- Brass Body: 3/4" to 1 1/2" with NPT & BSPP thread sizes 1/2" to 1 1/2"
- Steel Body: 1" with NPT thread sizes 1"

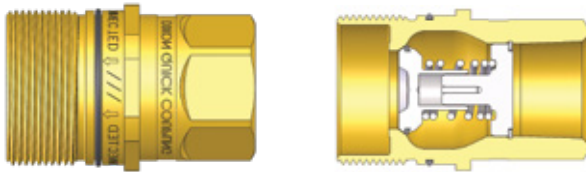


W-Series Thread Together: Hex Nut Couplers

Female Thread

Materials & Sizes

- Brass Body: 3/4" to 1 1/2" with NPT & BSPP thread sizes 1/2" to 1 1/2"
- Steel Body: 1" with NPT thread sizes 1"



W-Series Thread Together: Nipples

Female Thread

Materials & Sizes

- Brass Body: 3/4" to 1 1/2" with NPT & BSPP thread sizes 1/2" to 1 1/2"
- Steel Body: 1" with NPT thread sizes 1"



W-Series Thread Together: Nipples with Flanges

Female Thread

Materials & Sizes

- Brass Body: 3/4" to 1 1/2" with BSPP thread sizes 1/2" to 1 1/2"

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	
3/4	1/2:14 NPT	6WF4-B	6WF4-B-HN	W6F4-B	-	Brass
3/4	1/2:14 BSPP	6WBF4-B	6WBF4-B-HN	W6BF4-B	W6BF4-B-BMF	Brass
3/4	3/4:14 NPT	6WF6-B	6WF6-B-HN	W6F6-B	-	Brass
3/4	3/4:14 BSPP	6WBF6-B	6WBF6-B-HN	W6BF6-B	W6BF6-B-BMF	Brass
1	1:1 1/2 NPT	8WF8-B	8WF8-B-HN	W8F8-B	-	Brass
1	1:1 1/2 NPT	8WF8	-	W8F8	-	Steel
1	1:11 BSPP	8WBF8-B	8WBF8-B-HN	W8BF8-B	W8BF8-B-BMF	Brass
1 1/4	1 1/4:11 1/2 NPT	10WF10-B	10WF10-B-HN	W10F10-B	-	Brass
1 1/4	1 1/4:11 BSPP	10WBF10-B	10WBF10-B-HN	W10BF10-B	W10BF10-B-BMF	Brass
1 1/2	1 1/2:11 1/2 NPT	12WF12-B	12WF12-B-HN	W12F12-B	-	Brass
1 1/2	1 1/2:11 BSPP	12WBF12-B	12WBF12-B-HN	W12BF12-B	W12BF12-B-BMF	Brass

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: AP05

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
¾	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
¾	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

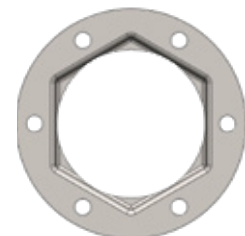


NPT & ORB thread styles also available
A complete range of seal options are available

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	¾	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

Hydraulic Quick Couplings - WS-Series

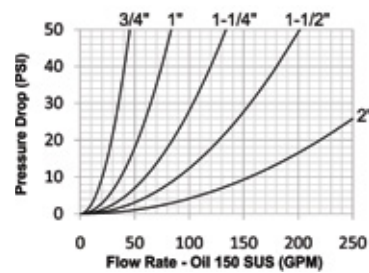
WS-Series High-Pressure Wingstyle Interchange

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

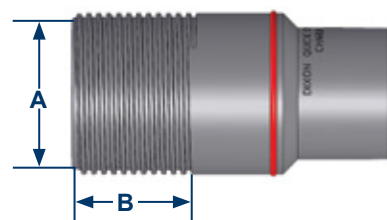
- Nitrile (Buna-N) seals are standard providing a temperature range of -40°C to 121°C
- PTFE anti-extrusion ring protects the main coupling O-ring from dynamic impulse pressure damage
- The main valve seal is housed to improve seal integrity during pressurised connection/disconnection
- Blow-Out Prevention (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

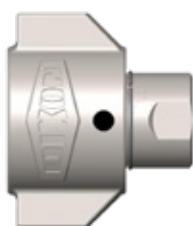
Size (inch)	Functional Parameters				
	Locking Ball Quantity	Air Inclusion	Fluid Loss	Vacuum (inch HG)	Flow ΔP = 30 PSI
¾	Threaded	10cc	10cc	27.4	132
1	Threaded	23cc	15cc	27.4	246
1¼	Threaded	50cc	30cc	27.4	397
1½	Threaded	100cc	60cc	27.4	605
2	Threaded	200cc	135cc	27.4	1022

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

Examples



WS Coupler with View Port



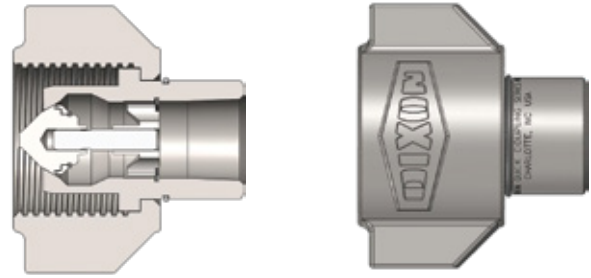
WS Coupler with Wrench Flats (wrench flats may result in reduced pressure performance)

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 1¹/₁₆" or 1⁵/₁₆", 1³/₈", 1⁷/₈, or 2¹/₂"
- Stainless Steel Body: 3/4" to 2" with NPT & BSPP thread sizes 3/4" to 2"

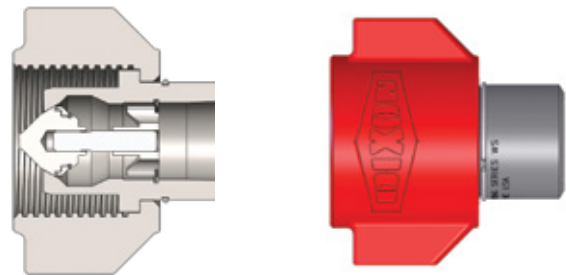


WS-Series Blowout Prevention Safety Couplers

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"

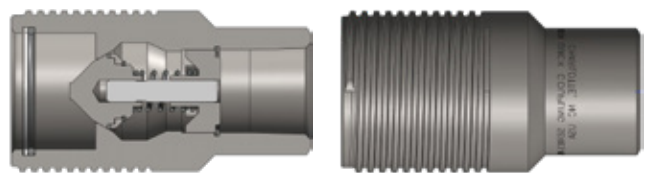


WS-Series High-Pressure: Wingstyle Interchange Nipples

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 1¹/₁₆" or 1⁵/₁₆", 1³/₈", 1⁷/₈, or 2¹/₂"
- Stainless Steel Body: 3/4" to 2" with NPT & BSPP thread sizes 3/4" to 2"

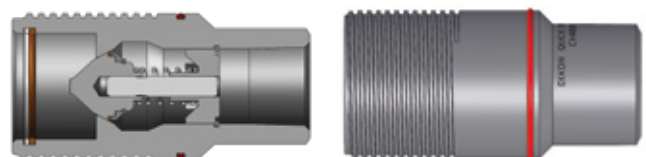


WS-Series Blowout Prevention Safety Nipples

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"



Hydraulic Quick Couplings - WS-Series

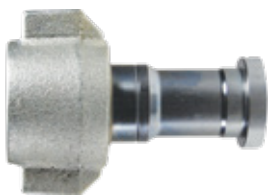
WS-Series High-Pressure Wingstyle Part Numbers

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	
3/4	1/2:14 NPT	-	6WSF4-BOP	WS6F4	WS6F4-BOP	Steel
3/4	3/4:14 NPT	6WSF6	6WSF6-BOP	WS6F6	WS6F6-BOP	Steel
3/4	3/4:14 NPT	6WSF6-SS	6WSF6-SS-BOP	WS6F6-SS	WS6F6-SS-BOP	316 SS
3/4	3/4:14 BSPP	6WSBF6	6WSBF6-BOP	WS6BF6	WS6BF6-BOP	Steel
3/4	3/4:14 BSPP	6WSBF6-SS	-	WS6BF6-SS	-	316 SS
3/4	1 1/16:12 ORB	6WSOF6	-	WS6OF6	-	Steel
1	1:11 1/2 NPT	8WSF8	8WSF8-BOP	WS8F8	WS8F8-BOP	Steel
1	1:11 1/2 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
1 1/4	1 1/4:11 1/2 NPT	10WSF10	10WSF10-BOP	WS10F10	WS10F10-BOP	Steel
1 1/4	1 1/4:11 1/2 NPT	10WSF10-SS	10WSF10-SS-BOP	WS10F10-SS	WS10F10-SS-BOP	316 SS
1 1/4	1 1/4:11 BSPP	10WSBF10	10WSBF10-BOP	WS10BF10	WS10BF10-BOP	Steel
1 1/4	1 1/4:11 BSPP	10WSBF10-SS	-	WS10BF10-SS	-	316 SS
1 1/4	1 5/8:12 ORB	10WSOF10	-	WS10OF10	-	Steel
1 1/2	1 1/2:11 1/2 NPT	12WSF12	12WSF12-BOP	WS12F12	WS12F12-BOP	Steel
1 1/2	1 1/2:11 1/2 NPT	12WSF12-SS	12WSF12-SS-BOP	WS12F12-SS	WS12F12-SS-BOP	316 SS
1 1/2	1 1/2:11 BSPP	12WSBF12	12WSBF12-BOP	WS12BF12	WS12BF12-BOP	Steel
1 1/2	1 1/2:11 BSPP	12WSBF12-SS	-	WS12BF12-SS	-	316 SS
1 1/2	1 7/8:12 ORB	12WSOF12	-	WS12OF12	-	Steel
2	2:11 1/2 NPT	16WSF16	16WSF16-BOP	WS16F16	WS16F16-BOP	Steel
2	2:11 1/2 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	
3/4	3/4	6WSFH6	WS6FH6	6WSFP6	WS6FP6	Steel
1	1	8WSFH8	WS8FH8	8WSFP8	WS8FP8	Steel
1 1/4	1 1/4	10WSFH10	WS10FH10	10WSFP10	WS10FP10	Steel
1 1/2	1 1/2	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



Hydraulic Quick Couplings - VEP-Series

VEP-Series Interchange

Materials

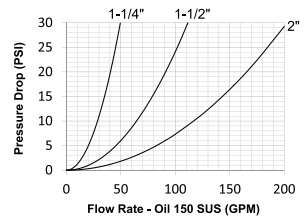
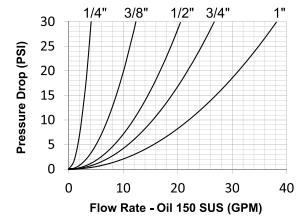
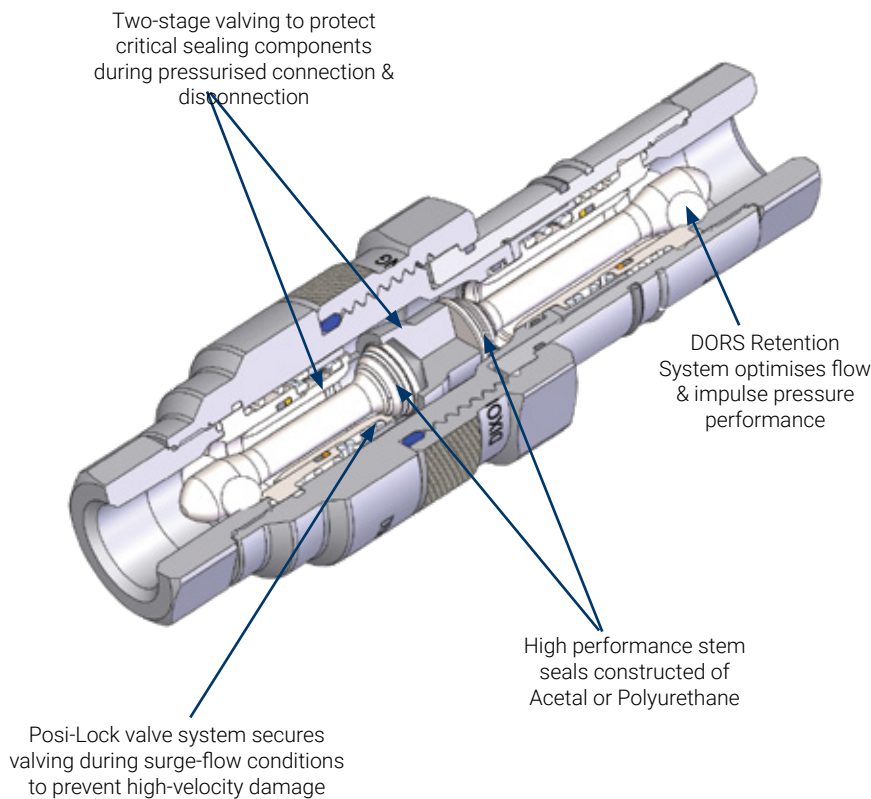
- Machined components are manufactured using solid bar stock
- Stainless steel retaining rings and springs maximise corrosion resistance and extend service life
- Steel componentry is plated using ROHS-compliant trivalent chrome

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	PSI	Bar	PSI	Bar	
1/4	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
3/8	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
1/2	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
3/4	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
1 1/4	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
1 1/2	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

¹Couplings impulse tested in accordance with ISO7241-2 for 1,000,000 cycles connected and 100,000 cycles disconnected at 133% of ISO working pressure

²Couplings impulse tested in accordance with ISO7241-2 for 100,000 cycles connected and disconnected at maximum impulse pressure listed

³System temperature for maximum connect/disconnect pressure must not exceed 65°C

How to Connect & Disconnect the VEP Series Coupling

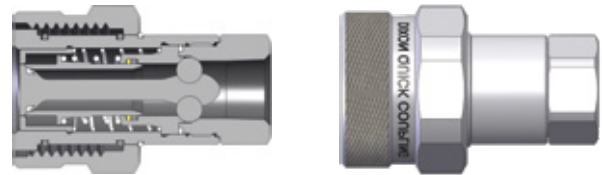
1. Prior to connecting, thoroughly clean all mating surfaces and threads on both halves, then pull the coupler sleeve forward
2. To initiate the connection, align the coupler and plug, pushing/turning the coupler sleeve towards the plug while engaging the threads. Keep the mating halves aligned during 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"

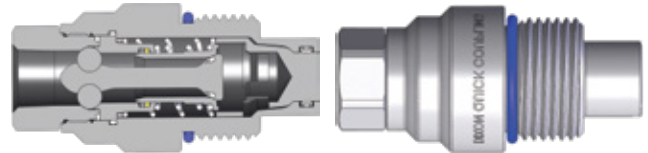


VEP-Series Interchange Nipples

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
1/4	2VEPDP-A	0.03	5	50
3/8	3VEPDP-A	0.06	5	50
1/2	4VEPDP-A	0.06	5	25
3/4	6VEPDP-A	0.09	5	25
1	8VEPDP-A	0.14	-	10
1 1/4	10VEPDP-A	0.17	-	10
1 1/2	12VEPDP-A	0.45	-	5
2	16VEPDP-A	1.72	-	1

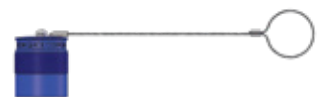
Product Group: AP16



VEP-Series Rigid Dust Caps

Size (inch)	Part Numbers	Weight (kg)	Pkg Qty	
			Bag	Box
1/4	VEP2DC-A	0.03	5	50
3/8	VEP3DC-A	0.06	5	50
1/2	VEP4DC-A	0.07	5	50
3/4	VEP6DC-A	0.11	5	25
1	VEP8DC-A	0.17	-	10
1 1/4	VEP10DC-A	0.28	-	10
1 1/2	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

Hydraulic Quick Couplings - VEP-Series

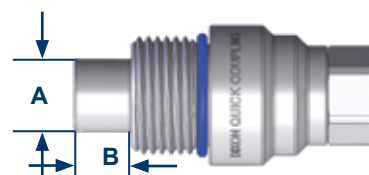
VEP-Series Interchange Part Numbers

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	7/8:14 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	1 5/8:12 ORB	10VEPOF10	VEP10OF10	55
1½	1½:11½ NPT	12VEPF12	VEP12F12	63
1½	1½:11 BSPP	12VEPBF12	VEP12BF12	63
1½	1 7/8:12 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

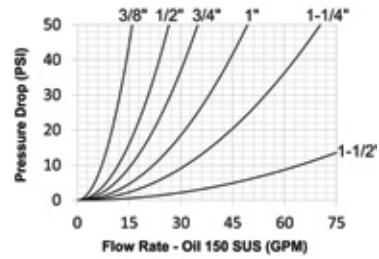
- Machined components are manufactured using solid steel bar stock
- Stainless steel retaining rings and springs maximise corrosion resistance and extend service life
- Steel componentry is plated using ROHS-compliant zinc nickel
- Red powder-coated components and external O-rings for easy BOP service 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)	3/8	1/2	3/4	1	1 1/4	1 1/2
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 45

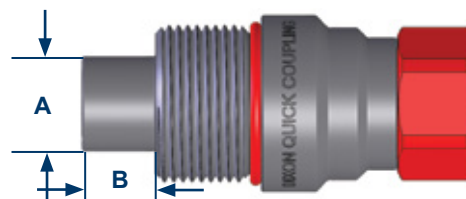
Rated Pressure Chart

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					
3/8	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
1/2	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
3/4	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
1 1/4	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
1 1/2	4,500	310	5,800	400	18,000	1,240	12,000	830	14,500	1,000	3,000	210	3,000	210	360

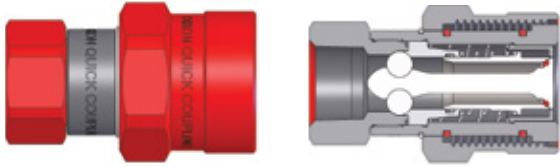
- Contact Dixon™ for availability of other end configurations

VEP-BOP Series Profile

Body Size (inch)	A (mm)	B (mm)
3/8	19.81	17.78
1/2	24.38	18.80
3/4	26.92	19.30
1	27.97	23.88
1 1/4	36.09	24.89
1 1/2	57.15	31.75



Hydraulic Quick Couplings - VEP-Series

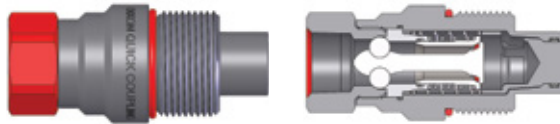


VEP-BOP Series Hydraulic Couplers

Female Thread

Materials & Sizes

- Steel Body: 3/8" to 1 1/2" with NPT thread sizes 3/8" to 1 1/2"



VEP-BOP Series Hydraulic Nipples

Female Thread

Materials & Sizes

- Steel Body: 3/8" to 1 1/2" with NPT thread sizes 3/8" to 1 1/2"

VEP-BOP Series Hydraulic Part Numbers

Size (inch)	Thread Size (inch)	Part Numbers		Body Material	Hex Size (mm)
		Coupler Female Thread	Nipple Female Thread		
3/8	3/8:18 NPT	3VEPF3-BOP	VEP3F3-BOP	Steel	25
1/2	1/2:14 NPT	4VEPF4-BOP	VEP4F4-BOP	Steel	30
3/4	3/4:14 NPT	6VEPF6-BOP	VEP6F6-BOP	Steel	38
1	1:1 1/2 NPT	8VEPF8-BOP	VEP8F8-BOP	Steel	44
1 1/4	1 1/4:1 1/2 NPT	10BEPF10-BOP	VEP10F10-BOP	Steel	55
1 1/2	1 1/2:1 1/2 NPT	12VEPF12-BOP	VEP12F12-BOP	Steel	63

Product Group: AP16

BOP-Series

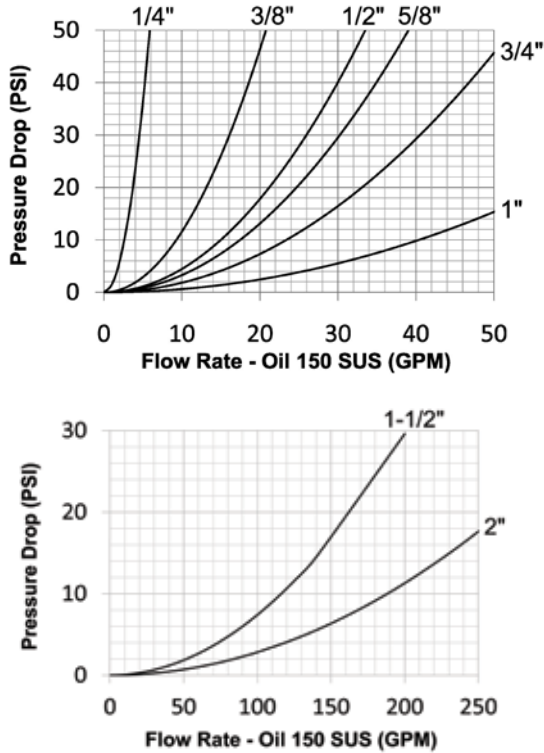


Blowout prevention couplings are fitted with severe service FKM seals and are designed and fire-tested to withstand temperatures up to 700°C.

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
1/4	5,000	345	20,000	1,379	-	-	-	-	5,000	345	20,000	1,379	5,000	345	20,000	1,379
3/8	5,000	345	20,000	1,379	3,500	241	17,500	1,207	5,000	345	20,000	1,379	5,000	345	20,000	1,379
1/2	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
5/8	5,000	345	20,000	1,379	2,920	201	14,600	1,007	5,000	345	20,000	1,379	5,000	345	20,000	1,379
3/4	5,000	345	20,000	1,379	2,920	201	14,600	1,007	5,000	345	20,000	1,379	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	1,379	5,000	345	20,000	1,379
1 1/2	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
1/4	ISO16028	-	12	n/a	0.010cc	N/R	12.11 LPM
3/8	ISO16028	T3.20.15	12	n/a	0.010cc	N/R	41.64 LPM
1/2	ISO16028	-	12	n/a	0.010cc	N/R	68.14 LPM
5/8	ISO16028	-	12	n/a	0.020cc	N/R	79.49 LPM
3/4	ISO16028	-	12	n/a	0.030cc	N/R	106.00 LPM
1	ISO16028	-	12	n/a	0.030cc	N/R	189.27 LPM
1 1/2	-	-	18	n/a	0.050cc	N/R	529.96 LPM
2	-	-	20	n/a	0.070cc	N/R	851.72 LPM

Hydraulic Quick Couplings - HT-Series

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

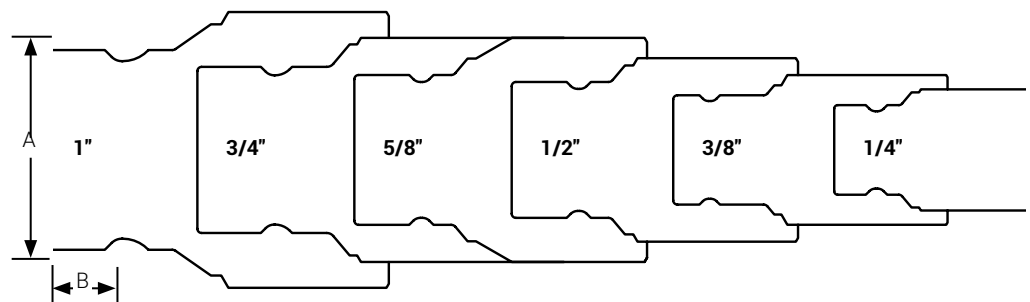
Product Group: AP08

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

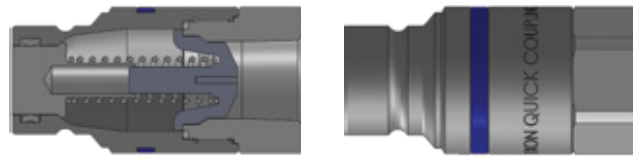
- Steel Body: 1/4" to 1" with NPT & BSPP thread sizes 1/4" to 1 1/4"
- Steel Body: 1/4" to 1" with O-ring boss thread sizes 9/16", 3/4", 7/8", 1 1/16", 1 5/16" or 1 5/8"
- Stainless Steel Body: 3/8" to 1" with NPT & BSPP thread sizes 3/8" to 1 1/4"



HT-Series ISO16028 Flushface Interchange Plug Female Thread

Materials & Sizes

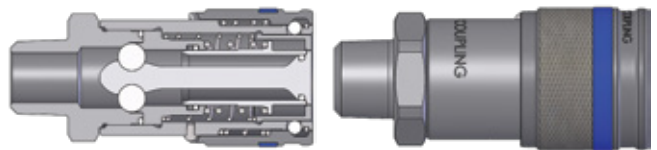
- Steel Body: 1/4" to 1" with NPT & BSPP thread sizes 1/4" to 1 1/4"
- Steel Body: 1/4" to 1" with O-ring boss thread sizes 9/16", 3/4", 7/8", 1 1/16", 1 5/16" or 1 5/8"
- Stainless Steel Body: 3/8" to 1" with NPT & BSPP thread sizes 3/8" to 1 1/4"



HT-Series ISO16028 Flushface Interchange Coupler Male Thread

Materials & Sizes

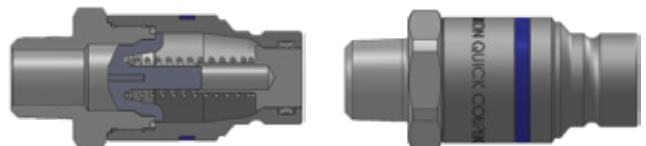
- Steel Body: 3/8" & 1/2" with NPT thread sizes 3/8" & 1/2"



HT-Series ISO16028 Flushface Interchange Plug Male Thread

Materials & Sizes

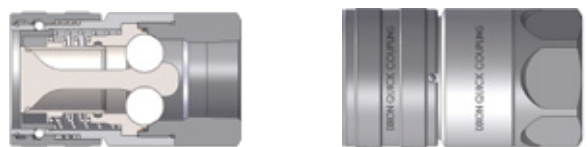
- Steel Body: 3/8" & 1/2" with NPT thread sizes 3/8" & 1/2"



HT-Series ISO16028 Flushface Interchange Coupler Female Thread

Materials & Sizes

- Steel Body: 1 1/2" & 2" with NPT & BSPP thread sizes 1 1/2" & 2"
- Steel Body: 1 1/2" & 2" with O-ring boss thread sizes 1 7/8" or 2 1/2"

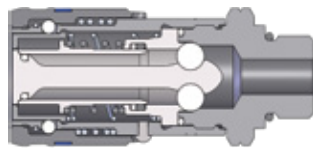


HT-Series ISO16028 Flushface Interchange Plug Female Thread

Materials & Sizes

- Steel Body: 1 1/2" & 2" with NPT & BSPP thread sizes 1 1/2" & 2"
- Steel Body: 1 1/2" & 2" with O-ring boss thread sizes 1 7/8" or 2 1/2"

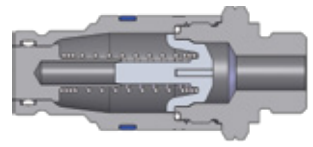




HT-Series ISO16028 Flushface Interchange Coupler Male ORB Thread

Materials & Sizes

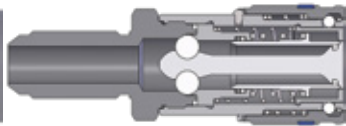
- Steel Body: 3/8" with O-ring boss thread sizes 9/16" or 3/4"



HT-Series ISO16028 Flushface Interchange Plug Male ORB Thread

Materials & Sizes

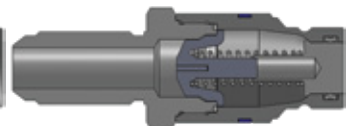
- Steel Body: 3/8" with O-ring boss thread sizes 9/16" or 3/4"



HT-Series ISO16028 Flushface Interchange Coupler Male Bulkhead Thread

Materials & Sizes

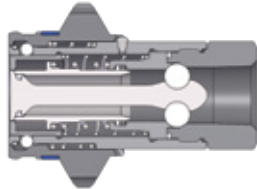
- Steel Body: 1/2" with ORFS Bulkhead threads 13/16", 1" or 1³/₁₆"
- Steel Body: 1/2" with JIC Bulkhead threads 7/8" or 1¹/₁₆"



HT-Series ISO16028 Flushface Interchange Plug Male Bulkhead Thread

Materials & Sizes

- Steel Body: 1/2" with ORFS Bulkhead threads 13/16", 1" or 1³/₁₆"
- Steel Body: 1/2" with JIC Bulkhead threads 7/8" or 1¹/₁₆"

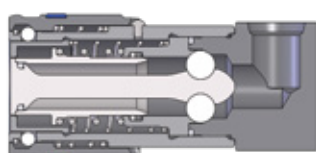


HT-Series ISO16028 Flushface Interchange Coupler Flange Sleeve

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

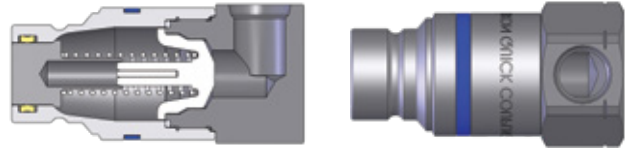
Materials & Sizes

- 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	
1/4	2HTDP	HT2DC	Nitrile
3/8	3HTDP	HT3DC	Nitrile
1/2	4HTDP	HT4DC	Nitrile
5/8	5HTDP	HT5DC	Nitrile
3/4	6HTDP	HT6DC	Nitrile
1	8HTDP	HT8DC	Nitrile



Product Group: AP08

HT-Series ISO16028 Flushface Interchange Coupler

Seal Kits

Body Size (inch)	Part Numbers	Coupler Style	Seal Material	Seal Kit Contents
1/4	2HT-SKIT	All	Nitrile	Stem/adaptor/gland O-ring, gland B.U.
3/8	3HT-SKIT	All	Nitrile	Stem/adaptor/gland O-ring, gland B.U.
1/2	4HT-SKIT	All	Nitrile	Stem/adaptor/gland O-ring, gland B.U.
5/8	5HT-SKIT	All	Nitrile	Stem/adaptor/gland O-ring, gland B.U.
3/4	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
1/4	HT2-SKIT-V2	All	Nitrile	Main valve seal and adaptor O-ring
3/8	HT3-SKIT-V2	All	Nitrile	Main valve seal and adaptor O-ring
1/2	HT4-SKIT-V2	All	Nitrile	Main valve seal and adaptor O-ring
5/8	HT5-SKIT-V2	All	Nitrile	Main valve seal and adaptor O-ring
3/4	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

Hydraulic Quick Couplings - HT-Series

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
3/8	3/8":18 NPT	3HTM3	HT3M3	-	-	-	-
3/8	1/2":14 NPT	3HTM4	HT3M4	-	-	-	-
3/8	9/16":18 ORB	-	-	3HTOM3	HT3OM3	-	-
3/8	3/4":16 ORB	-	-	3HTOM4	HT3OM4	-	-
1/2	1/2":14 NPT	4HTM4	HT4M4	-	-	-	-
1/2	1 3/16":16 ORFS BH	-	-	-	-	4HTRB4	HT4RB4
1/2	7/8":14 JIC BH	-	-	-	-	4HTJB5	HT4JB5
1/2	1":14 ORFS BH	-	-	-	-	4HTRB5	HT4RB5
1/2	1 3/16":12 ORFS BH	-	-	-	-	4HTRB6	HT4RB6
1/2	1 1/16":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
1/4	1/4":18 NPT	-	-	2HTF2-FS	-	-
3/8	3/8":18 NPT	-	-	3HTF3-FS	-	-
1/2	1/2":14 NPT	-	-	4HTF4-FS	-	-
1/2	9/16":18 ORB	-	-	-	4HT90F3	HT490F3
1/2	3/4":16 ORB	-	-	-	4HT90F4	HT490F4
3/4	3/4":14 NPT	-	-	6HTF6-FS	-	-
1	1":11 1/2" NPT	-	-	8HTF8-FS	-	-
1 1/2	1 1/2":11 1/2" NPT	12HTF12	HT12F12	-	-	-
1 1/2	1 1/2":11 BSPP	12HTBF12	HT12BF12	-	-	-
1 1/2	1 7/8":12 ORB	12HTOF12	HT12OF12	-	-	-
2	2":11 1/2" NPT	16HTF16	HT16F16	-	-	-
2	2":11 BSPP	16HTBF16	HT16BF16	-	-	-
2	2 1/2":12 ORB	16HTOF16	HT16OF16	-	-	-

Product Group: AP08

Hydraulic Quick Couplings - HT-Series

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	⅑/16:18 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	⅑/16:18 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	⅜:16 ORB	3HTOF4	HT3OF4	Steel	1⅛
½	½:14 NPT	4HTF4	HT4F4	Steel	1⅜/16
½	½" - 14 NPT	4HTF4-SS	HT4F4-SS	316 Stainless	1⅜/16
½	½:14 BSPP	4HTBF4	HT4BF4	Steel	1⅜/16
½	½:14 BSPP	4HTBF4-SS	HT4BF4-SS	316 Stainless	1⅜/16
½	⅜:16 ORB	4HTOF4	HT4OF4	Steel	1⅜/16
½	⅞:14 ORB	4HTOF5	HT4OF5	Steel	1⅝/16
½	⅜:14 NPT	4HTF6	HT4F6	Steel	1⅝/16
½	⅜:14 NPT	4HTF6-SS	HT4F6-SS	316 Stainless	1⅝/16
½	⅜:14 BSPP	4HTBF6	HT4BF6	Steel	1⅝/16
½	⅜:14 BSPP	4HTBF6-SS	HT4BF6-SS	316 Stainless	1⅝/16
½	1⅑/16:12 ORB	4HTOF6	HT4OF6	Steel	1⅝/16
⅝	⅞:14 ORB	5HTOF5	HT5OF5	Steel	1½
⅝	⅜:14 NPT	5HTF6	HT5F6	Steel	1½
⅝	⅜:14 NPT	5HTF6-SS	HT5F6-SS	316 Stainless	1½
⅝	⅜:14 BSPP	5HTBF6	HT5BF6	Steel	1½
⅝	⅜:14 BSPP	5HTBF6-SS	HT5BF6-SS	316 Stainless	1½
⅝	1⅑/16:12 ORB	5HTOF6	HT5OF6	Steel	1½
¾	⅞:14 ORB	6HTOF5	HT6OF5	Steel	1½
¾	⅜:14 NPT	6HTF6	HT6F6	Steel	1½
¾	⅜:14 NPT	6HTF6-SS	HT6F6-SS	316 Stainless	1½
¾	⅜:14 BSPP	6HTBF6	HT6BF6	Steel	1½
¾	⅜:14 BSPP	6HTBF6-SS	HT6BF6-SS	316 Stainless	1½
¾	1⅑/16:12 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	1⅝/16:12 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	1⅝/16:12 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

Hydraulic Quick Couplings - HTE-Series

HTE-Series Correct Connect® ISO16028

Connect Under Pressure Flushface Female Threaded Plug

Interchange Data

- Parker FEC-Series, Stucchi APM-Series, Faster 3FFH-Series

Materials

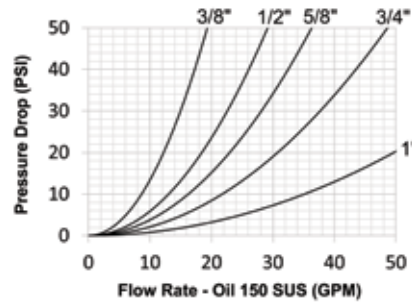
- Machined components are manufactured using solid steel bar stock
- Steel componentry is plated using ROHS-compliant zinc-nickel process providing corrosion resistance
- Stainless steel retaining rings and springs maximise corrosion resistance and extend service life
- Plugs are hardened to provide 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



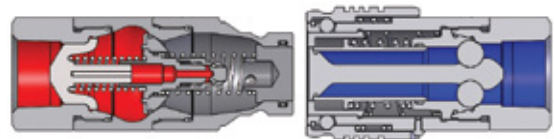
Rated Pressure Chart

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				
3/8	5,000	345	20,000	1,380	5,000	345	20,000	1,380	n/a	0.010cc	N/R	35.96 LPM
1/2	5,000	345	20,000	1,380	5,000	345	20,000	1,380	n/a	0.010cc	N/R	56.78 LPM
5/8	5,000	345	20,000	1,380	5,000	345	20,000	1,380	n/a	0.020cc	N/R	68.14 LPM
3/4	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

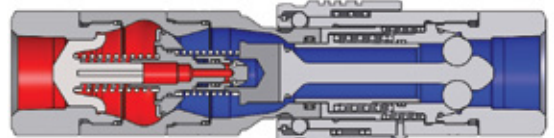
Stage 1: The Disconnected State

The plug has residual pressure trapped behind the primary valve, while the coupler has no trapped pressure



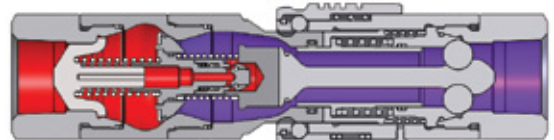
Stage 2: Plug Chamber Evacuated

The plug valve is opened, then the socket valve opens, evacuating the plug chamber to the unpressurised socket



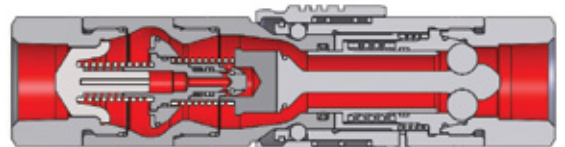
Stage 3: Release Pressure

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

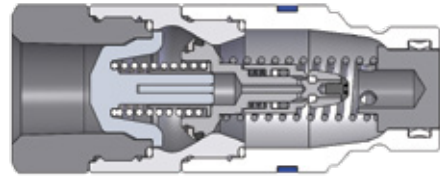
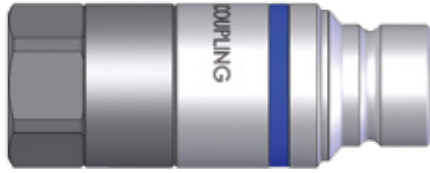
The primary valve can now open easily, since there is no longer any pressure trapped behind it, allowing the socket to fully engage the plug



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)
3/8	HTE3F3	3/8":18 NPT	Steel	81.4	33.3	1 ³ / ₁₆
3/8	HTE3F4	1/2":14 NPT	Steel	82.6	33.0	1 ¹ / ₈
3/8	HTE3BF4	1/2":14 BSPP	Steel	82.6	33.0	1 ¹ / ₈
3/8	HTE3OF4	3/4":16 ORB	Steel	82.6	33.0	1 ¹ / ₈
1/2	HTE4F4	1/2":14 NPT	Steel	86.4	33.0	1 ³ / ₁₆
1/2	HTE4BF4	1/2":14 BSPP	Steel	86.4	33.0	1 ³ / ₁₆
1/2	HTE4OF4	3/4":16 ORB	Steel	86.4	33.0	1 ³ / ₁₆
1/2	HTE4OF5	7/8":14 ORB	Steel	86.4	33.0	1 ¹ / ₂
1/2	HTE4F6	3/4":14 NPT	Steel	91.4	41.9	1 ¹ / ₂
1/2	HTE4BF6	3/4":14 BSPP	Steel	91.4	41.9	1 ¹ / ₂
1/2	HTE4OF6	3/4":12 ORB	Steel	91.4	41.9	1 ¹ / ₂
5/8	HTE5OF5	7/8":14 ORB	Steel	95.3	41.9	1 ¹ / ₂
5/8	HTE5F6	3/4":14 NPT	Steel	95.3	41.9	1 ¹ / ₂
5/8	HTE5BF6	3/4":14 BSPP	Steel	95.3	41.9	1 ¹ / ₂
5/8	HTE5OF6	3/4":12 ORB	Steel	95.3	41.9	1 ¹ / ₂
3/4	HTE6F6	3/4":14 NPT	Steel	108.0	49.8	1 ¹ / ₂
3/4	HTE6BF6	3/4":14 BSPP	Steel	108.0	49.8	1 ¹ / ₂
3/4	HTE6OF6	3/4":12 ORB	Steel	108.0	49.8	1 ¹ / ₂
3/4	HTE6F8	1":11 ¹ / ₂ " NPT	Steel	111.8	49.8	1 ³ / ₄
3/4	HTE6BF8	1":11 BSPP	Steel	111.8	49.8	1 ³ / ₄
3/4	HTE6OF8	1 ⁵ / ₁₆ "":12 ORB	Steel	111.8	49.8	1 ³ / ₄
1	HTE8F8	1":11 ¹ / ₂ " NPT	Steel	124.0	49.8	1 ³ / ₄
1	HTE8BF8	1":11 BSPP	Steel	124.0	49.8	1 ³ / ₄
1	HTE8OF8	1 ⁵ / ₁₆ "":12 ORB	Steel	124.0	49.8	1 ³ / ₄
1	HTE8F10	1 ¹ / ₄ "":11 ¹ / ₂ " NPT	Steel	127.0	62.7	2 ³ / ₁₆
1	HTE8BF10	1 ¹ / ₄ "":11 BSPP	Steel	127.0	62.7	2 ³ / ₁₆
1	HTE8OF10	1 ⁵ / ₈ "":12 ORB	Steel	127.0	62.7	2 ³ / ₁₆

Product Group: AP08

Hydraulic Quick Couplings - HTZ-Series

HTZ-Series ISO160128 Flushface

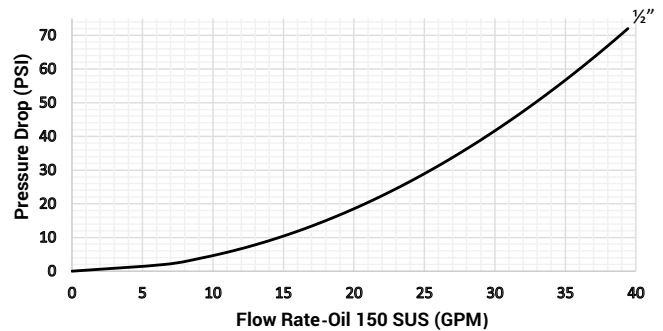
Connect Under Pressure Flushface Female Threaded Coupler

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

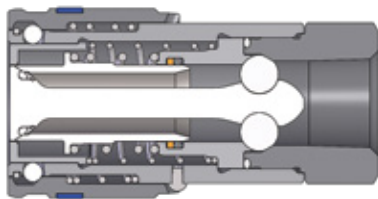


Seal Components

- 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
1/2	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			
1/2	4HTZF4	1/2:14 NPT	Steel	76.20	39.12	1 3/16
	4HTZF6	3/4:14 NPT	Steel	81.79	41.91	1 1/2
	4HTZOF4	3/4:16 ORB	Steel	76.20	39.12	1 3/16
	4HTZOF5	7/8:14 ORB	Steel	81.79	41.91	1 1/2
	4HTZOF6	3/4:12 ORB	Steel	81.79	41.91	1 1/2

Product Group: AP08

Hydraulic Quick Couplings - HT-AG-Series

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

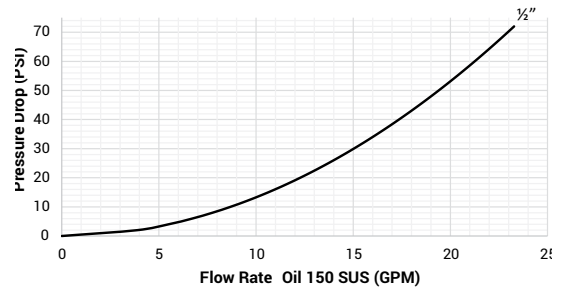
Seal Components

- 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

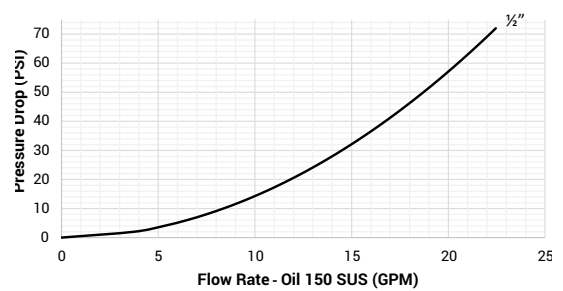
Interchange Data

- 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

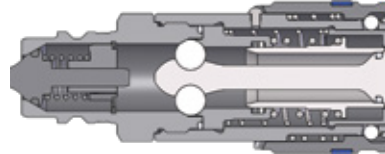
4AGHT4 Flow Chart



4HTAG4 Flow Chart



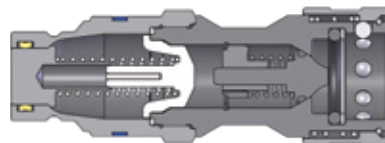
HT-AG-Series Flushface ISO16028 Coupler x ISO07241-A AG Plug Adaptor



Body Size (inch)	Part Number	Body Material	Length (mm)	Maximum OD (mm)
1/2	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)
1/2	4AGHT4	Steel	105.41	38.35

Product Group: AP08

Hydraulic Quick Couplings - XK-Series

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

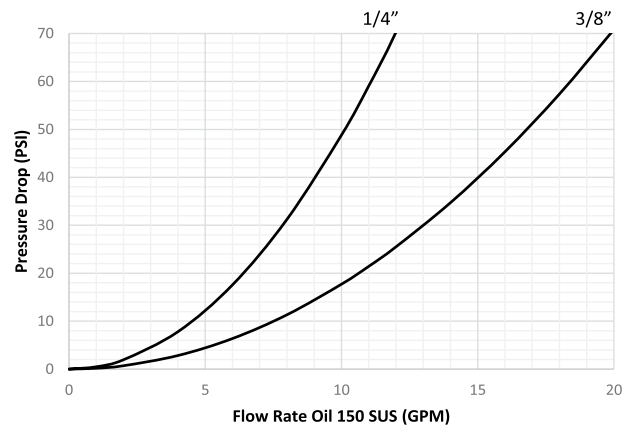
- Plugs have moulded polyurethane valve seals, with a temperature range of -54°C to 100°C
- Couplers have a polyurethane valve stem O-ring, with a temperature range of -54°C to 100°C
- Ancillary coupler and plug seals are Nitrile (Buna-N), with a temperature range of -40°C to 121°C
- PTFE or TPC-ET anti-extrusion ring protects the main coupling valve seal from dynamic impulse pressure damage

Features

- Automatic locking mechanism

Interchange Data

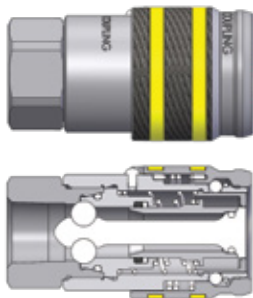
- 10K Flushface
- Interchanges with Parker FH-Series



Rated Pressure Chart

Body Size (inch)	Maximum Working		Connected Burst		Disconnected Burst Coupler		Disconnected Burst Plug	
	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar
3/8	10,000	690	30,000	2068	28,000	1930	27,000	1860

XK-Series 10K Flushface Coupler

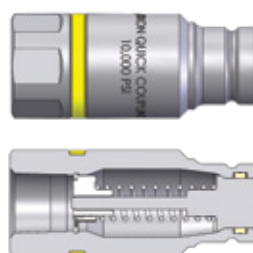


Female Thread

Body Size (inch)	Part Details			Length (mm)	Maximum OD (mm)	Hex (inch)
	Part Number	Threads	Material			
3/8	3XKF3	3/8":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			
3/8	XK3F3	3/8":18 NPT	Steel	63.5	27.18	1

Product Group: AP08

ST-Series Heavy-Duty Flushface Snap-Tite 71 Interchange

Materials

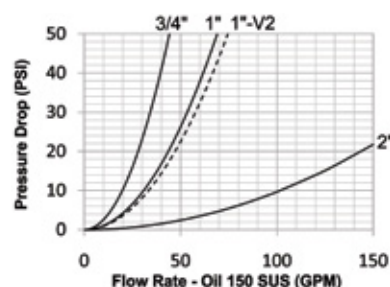
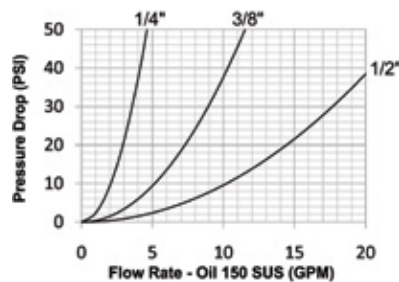
- Machined components are manufactured using solid steel or 316 stainless steel bar stock
- Stainless steel balls, retaining rings and springs maximise corrosion resistance and extend service life
- Steel componentry is plated using ROHS-compliant trivalent chrome
- Steel coupler sleeves are hardened 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
1/4	10000	700	27300	1800	5000	345	28000	1900
3/8	10000	700	27300	1800	5000	345	28000	1900
1/2	10000	700	22500	1500	5000	345	25000	1700
3/4	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

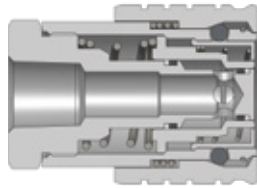
Body Size (inch)	Functional Parameters				
	Locking Ball Quantity	Air Inclusion	Fluid Loss	Vacuum inch HG	Flow ΔP = 15 PSI
1/4	10	0.01cc	0.02cc	N/R	11.7
3/8	10	0.02cc	0.02cc	N/R	29
1/2	12	0.03cc	0.03cc	N/R	57
3/4	12	0.04cc	0.06cc	N/R	114
1	12	0.06cc	0.07cc	N/R	170
1-V2	12	0.09cc	0.10cc	N/R	190
2	15	3.14cc	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

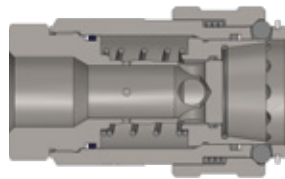


Materials & Sizes

- Steel Body: 1/4" to 1" with NPT & BSPP thread sizes 1/4" to 1 1/4"
- 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 1 1/4"

ST-Series 'Old Style' Couplers

Female Thread

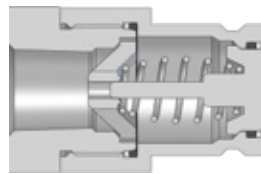


Materials & Sizes

- Steel Body: 1" & 2" with NPT & BSPP thread sizes 1" to 2"
- Steel Body: 2" with O-ring boss thread sizes 1 7/8" & 2 1/2"
- Stainless Steel Body: 2" with NPT thread size 2"

ST-Series Heavy-Duty Flushface Nipples

Female Thread

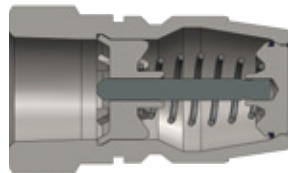


Materials & Sizes

- Steel Body: 1/4" to 1" with NPT & BSPP thread sizes 1/4" to 1 1/4"
- 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 1 1/4"

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" & 2 1/2"
- Stainless Steel Body: 2" with NPT thread size 2"

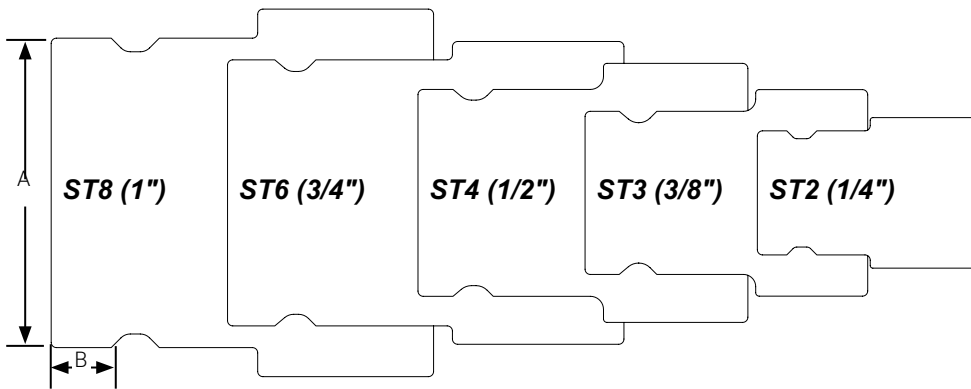
ST-Series Coupler Rigid Dust Plugs



Body Size (inch)	Part Numbers	Cap Lanyard	Body Material
1/4	ST2DC-A	Steel Cable	Aluminium
3/8	ST3DC-A	Steel Cable	Aluminium
1/2	ST4DC-A	Steel Cable	Aluminium
3/4	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

Hydraulic Quick Couplings - ST-Series

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	1:1 1/2 NPT	8STF8	8STF8-V2	ST8F8	8STF8-V2	Steel
1	1:1 1/2 NPT	8STF8-SS	-	ST8F8-SS	-	316 SS
1	1:11 BSPP	8STBF8	8STBF8-V2	ST8BF8	8STBF8-V2	Steel
1	1:11 BSPP	8STBF8-SS	-	ST8BF8-SS	-	316 SS
1	1 5/16:12 ORB	8STOF8	-	ST8OF8	-	Steel
1	1 1/4:1 1/2 NPT	8STF10	8STF10-V2	ST8F10	8STF10-V2	Steel
1	1 1/4:1 1/2 NPT	8STF10-SS	-	ST8F10-SS	-	316 SS
1	1 1/4:11 BSPP	8STBF10	-	ST8BF10	-	Steel
1	1 1/4:11 BSPP	8STBF10-SS	-	ST8BF10-SS	-	316 SS
1	1 5/8:12 ORB	8STOF10	-	ST8OF10	-	Steel
2	1 1/2:1 1/2 NPT	-	16STF12	-	ST16F12	Steel
2	1 1/2:11 BSPP	-	16STBF12	-	ST16BF12	Steel
2	1 7/8:12 ORB	-	16STOF12	-	ST16OF12	Steel
2	2:1 1/2 NPT	-	16STF16	-	ST16F16	Steel
2	2:1 1/2 NPT	-	16STF16-SS	-	ST16F16-SS	316 SS
2	2:11 BSPP	-	16STBF16	-	ST16BF16	Steel
2	2 1/2:12 ORB	-	16STOF16	-	ST16OF16	Steel

Product Group: AP07

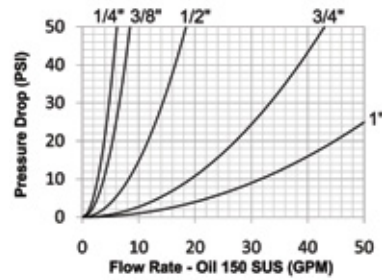
AG-Series Agricultural Interchange

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 1/2" size)

Rated Pressure Chart

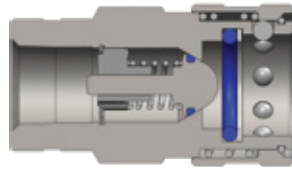
Size (inch)	Ball Steel Coupler/Plug				Poppet Steel Coupler/Plug			
	Working Pressure		Burst Pressure		Working Pressure		Burst Pressure	
	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar
1/4	4000	275	24400	1700	4000	275	21000	1500
3/8	4000	275	25000	1700	4000	275	23100	1600
1/2	4000	275	16500	1100	4000	275	16500	1100
3/4	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 $\Delta P = 15$ PSI
1/4	-	-	8	1.1cc	0.9cc	26.5	15
3/8	-	-	9	2.6cc	1.8cc	26.5	23
1/2	ISO7241 'A'	-	9	3.8cc	2.9cc	26.5	45
3/4	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

Hydraulic Quick Couplings - AG-Series

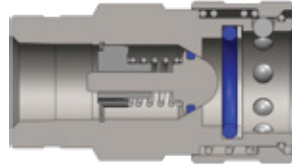
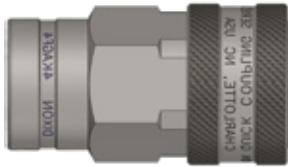


AG-Series Ball Couplers

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"

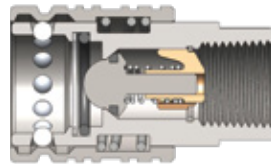
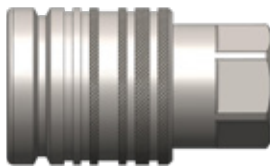


AG-Series Poppet Couplers

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"

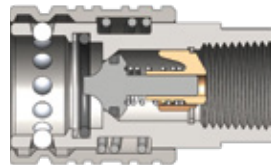
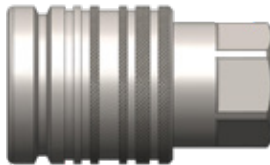


AG-Series Push-Pull Ball Couplers

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"

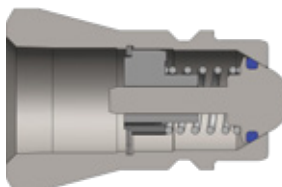


AG-Series Push-Pull Poppet Couplers

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"

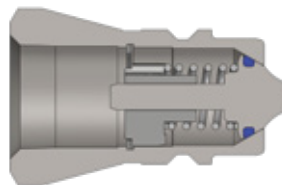


AG-Series Ball Nipples

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"



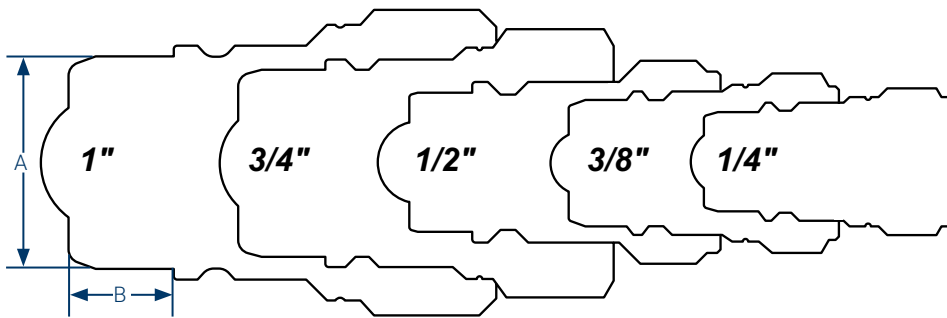
AG-Series Poppet Nipples

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)
1/4	14.22	7.87
3/8	18.80	8.89
1/2	20.57	9.40
3/4	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	
1/4	1/4:18 NPT	2AGF2	2AGF2-PV	-	-	AG2F2	AG2F2-PV	Steel
1/4	1/4:18 BSPP	-	2AGBF2-PV	-	-	AG2BF2	AG2BF2-PV	Steel
3/8	3/8:18 NPT	3AGF3	3AGF3-PV	3AGF3-PS	3AGF3-PV-PS	-	AG3F3-PV	Steel
3/8	3/8:18 BSPP	-	3AGBF3-PV	-	-	AG3BF3	AG3BF3-PV	Steel
1/2	1/2:14 NPT	4AGF4	4AGF4-PV	4AGF4-PS	4AGF4-PV-PS	AG4F4	AG4F4-PV	Steel
1/2	1/2:14 BSPP	4AGBF4	4AGBF4-PV	-	-	AG4BF4	AG4BF4-PV	Steel
1/2	3/4:16 ORB	4AGOF4	4AGOF4-PV	4AGOF4-PS	4AGOF4-PV-PS	AG4OF4	AG4OF4-PV	Steel
1/2	7/8:14 ORB	4AGOF5	4AGOF5-PV	4AGOF5-PS	4AGOF5-PV-PS	-	AG4OF5-PV	Steel
1/2	3/4:14 NPT	4AGF6	4AGF6-PV	4AGF6-PS	4AGF6-PV-PS	AG4F6	AG4F6-PV	Steel
1/2	3/4:14 BSPP	4AGBF6	4AGBF6-PV	-	-	AG4BF6	AG4BF6-PV	Steel
3/4	3/4:14 NPT	6AGF6	6AGF6-PV	-	-	AG6F6	AG6F6-PV	Steel
3/4	3/4:14 BSPP	6AGBF6	6AGBF6-PV	-	-	AG6BF6	AG6BF6-PV	Steel
1	1:11 1/2 NPT	8AGF8	8AGF8-PV	-	-	AG8F8	AG8F8-PV	Steel
1	1:11 1/2 BSPP	8AGBF8	8AGBF8-PV	-	-	AG8BF8	AG8BF8-PV	Steel

NPT & ORB thread styles also available

A complete range of seal options are available

Product Group: AP02

AG-Series Coupler Dust Plugs

Body Size (inch)	Part Numbers	Cap Lanyard	Body Material
1/4	2AGDP	Elastomer	Elastomer
1/2	4AGDP	Elastomer	Elastomer
1	8AGDP	Elastomer	Elastomer

Product Group: AP02

AG-Series Nipple Dust Caps

Body Size (inch)	Part Numbers	Cap Lanyard	Body Material
1/4	AG2DC	Elastomer	Elastomer
1/2	AG4DC	Elastomer	Elastomer
1	AG8DC	Elastomer	Elastomer

Product Group: AP02

Hydraulic Quick Couplings - T-Series

T-Series High-Pressure Screw-Together

Materials

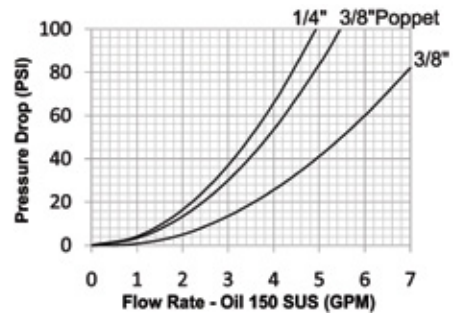
- Machined components are manufactured using solid steel or 316 stainless steel bar stock
- The chrome steel ball valve is mechanically seated to improve low-pressure sealing performance
- Steel componentry is plated using ROHS-compliant trivalent chrome.
- Steel nipples are machined from solid high-strength 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
¾	ISO 14540	-	Poppet	1.56	0.77	N/R	22

T-Series High-pressure Interchange Seal Kits

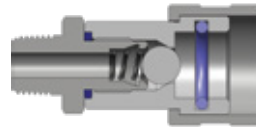
Size (inch)	Part Numbers	Coupler Style	Material	Seal Kit Contents
¼	2T-SKIT	Ball Valve	Nitrile	Nitrile O-ring with TPC-ET backup ring Product Group: AP02
⅜	3T-SKIT			

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"

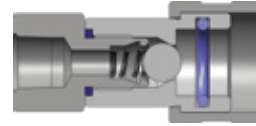


T-Series Couplers

Female Thread

Materials & Sizes

- Steel Body: 1/4" & 3/8" with NPT thread size 1/4" & 3/8"

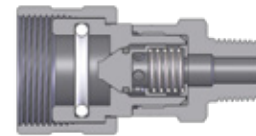


T-Series Poppet Couplers

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"

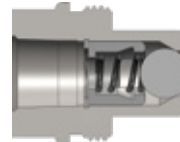


T-Series Nipples

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"

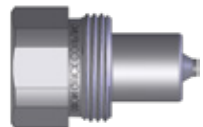
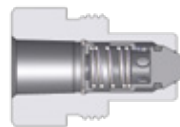


T-Series Poppet Nipples

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
1/4	2TDP	Rubber	Steel
3/8	3TDP	Rubber	Steel

Product Group: AP09



T-Series Nipple Dust Caps

Body Size (inch)	Part Numbers	Cap Lanyard	Body Material
1/4	T2DC	Steel cable	Steel
3/8	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	
1/4	1/4:18 NPT	2TM2	-	-	T2F2	-	Steel
3/8	1/4:18 NPT	3TM3	-	3TM3-PV	T3F3	-	Steel
3/8	3/8:18 NPT	1.9 TPI	-	-	-	-	Steel
3/8	3/8:18 BSP	-	-	-	T3BF3	T3F3-PV	Steel
3/8	3/8:18 NPT	3TM3-SS	3TF3	3TM3-SS-PV	T3F3-SS	T3F3-SS-PV	316 SS

Product Group: AP09

Hydraulic Quick Couplings - TR-Series

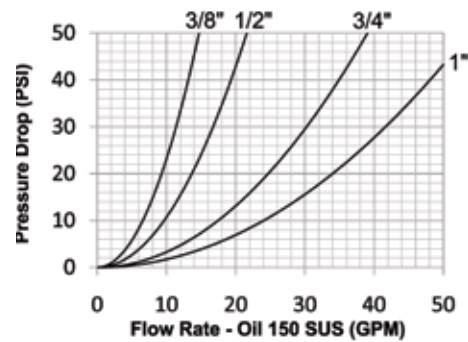
TR-Series TEMA Interchange

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

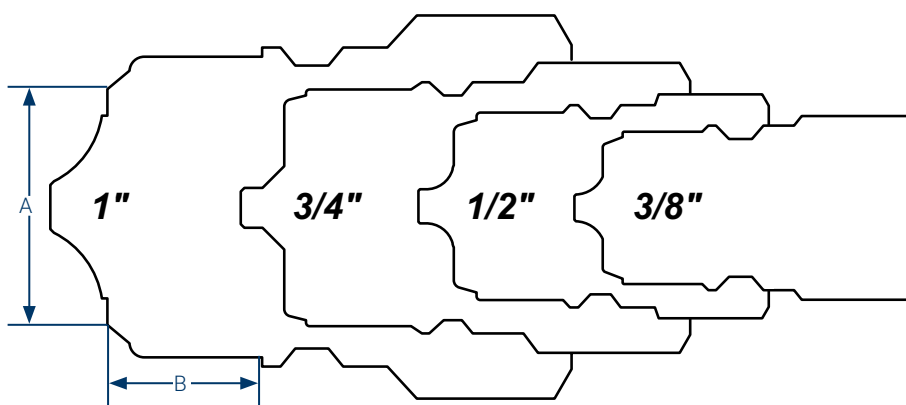


Rated Pressure Chart

Body Size (inch)	Steel Coupler/Plug (Connected)			
	Working Pressure	Burst Pressure	Working Pressure	Burst Pressure
	PSI	Bar	PSI	Bar
1/4	4351	300	17400	1200
3/8	5000	345	20000	1400
1/2	4000	275	16500	1100
3/4	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
3/8	9	2.8cc	1.9cc	28	38
1/2	9	3.9cc	3.1cc	28	57
3/4	9	10.5cc	10.1cc	28	98
1	9	14.7cc	14.2cc	28	136

TR-Series Profiles



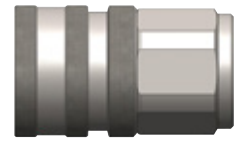
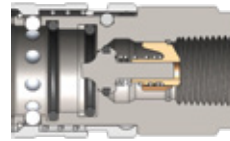
Body Size (inch)	A (mm)	B (mm)
1/4	15.88	11.11
3/8	19.81	13.46
1/2	24.64	15.24
3/4	32.77	19.05
1	40.89	21.59

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"

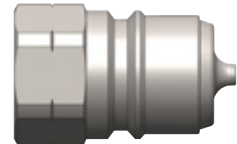
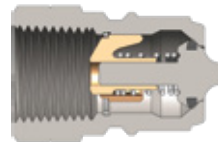


TR-Series TEMA Interchange Nipples

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	
1/4	1/4:19 BSPP	2TRBF2	TR2BF2	Steel
1/4	1/4:19 BSPP	2TRBF2-E	TR2BF2-E	Steel
1/4	1/4:19 BSPP	2TRBF2-E-SS	TR2BF2-E-SS	316 SS
1/4	1/4:19 BSPP	2TRBF2-V	TR2BF2-V	Steel
1/4	1/4:19 BSPP	2TRBF2-V-SS	TR2BF2-V-SS	316 SS
3/8	3/8:19 BSPP	3TRBF3	TR3BF3	Steel
3/8	3/8:19 BSPP	3TRBF3-E	TR3BF3-E	Steel
3/8	3/8:19 BSPP	3TRBF3-E-SS	TR3BF3-E-SS	316 SS
3/8	3/8:19 BSPP	3TRBF3-V	TR3BF3-V	Steel
3/8	3/8:19 BSPP	3TRBF3-V-SS	TR3BF3-V-SS	316 SS
3/8	3/8:19 BSPP	3TRBF3-PR	TR3BF3-PR	Steel
1/2	1/2:14 BSPP	4TRBF4	TR4BF4	Steel
1/2	1/2:14 BSPP	4TRBF4-E	TR4BF4-E	Steel
1/2	1/2:14 BSPP	4TRBF4-E-SS	TR4BF4-E-SS	316 SS
1/2	1/2:14 BSPP	-	TR4BF4-V	Steel
1/2	1/2:14 BSPP	4TRBF4-V-SS	TR4BF4-V-SS	316 SS
1/2	1/2:14 BSPP	4TRBF4-PR	TR4BF4-PR	Steel
3/4	3/4:14 BSPP	6TRBF6	TR6BF6	Steel
3/4	3/4:14 BSPP	6TRBF6-E	TR6BF6-E	Steel
3/4	3/4:14 BSPP	6TRBF6-E-SS	TR6BF6-E-SS	316 SS
3/4	3/4:14 BSPP	6TRBF6-V	TR6BF6-V	Steel
3/4	1:11 BSPP	6TRBF6-V-SS	TR6BF6-V-SS	316 SS
3/4	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

Hydraulic Quick Couplings - TR-Series

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

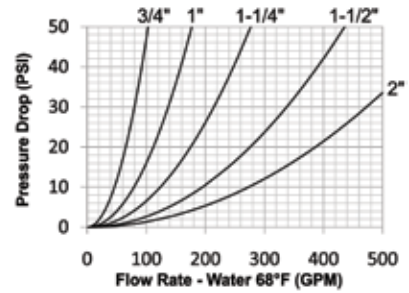
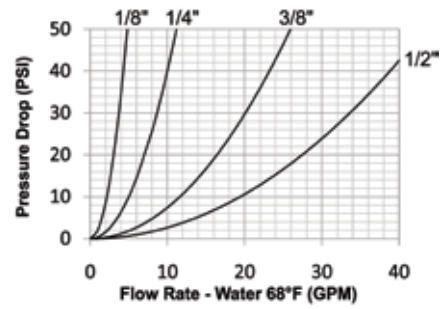
- Machined components are manufactured using solid steel, brass or 303 stainless steel
- Stainless steel balls, retaining rings and springs maximise corrosion resistance and extend service life
- Steel componentry is plated using ROHS-compliant trivalent chrome
- 1¼" to 2" brass couplers have steel sleeves 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

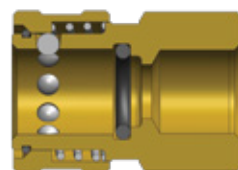
Body Size (inch)	Brass Coupler/Steel Nipple Coupled				Brass Coupler/Nipple Coupled				Brass Coupler/303 Stainless Steel Nipple Coupled				303 Stainless Steel Coupler/Nipple Coupled			
	Working Pressure		Burst Pressure		Working Pressure		Burst Pressure		Working Pressure		Burst Pressure		Working Pressure		Burst Pressure	
	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar	PSI	Bar
1/8	2600	179	10400	717	2500	172	10000	689	4200	290	16800	1158	4200	290	16800	1158
1/4	5500	379	22000	1517	5200	359	20800	1434	6700	462	26800	1848	6700	462	26800	1848
3/8	3500	241	14000	966	2700	186	10800	745	5500	379	22000	1517	5500	379	22000	1517
1/2	2700	186	10800	745	2200	152	8800	607	3000	207	12000	827	3000	207	12000	827
3/4	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

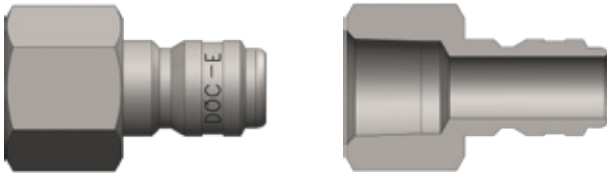
Materials & Sizes

- 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

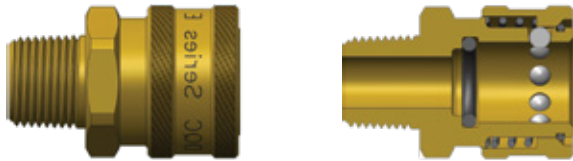


Materials & Sizes

- 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

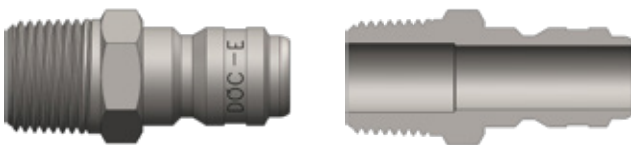


Materials & Sizes

- 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

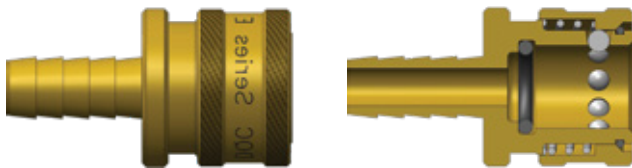


Materials & Sizes

- 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

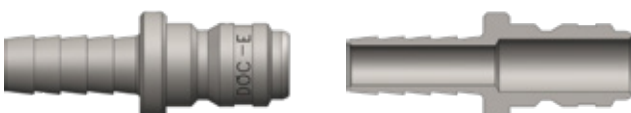


Materials & Sizes

- 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"

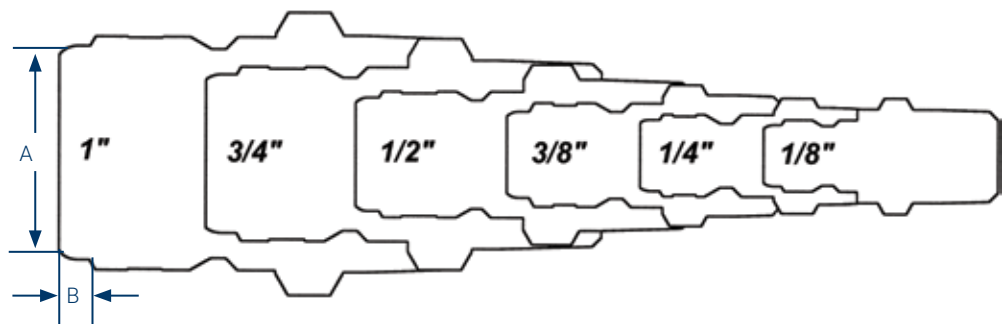
E-Series Straight-Through Part Numbers

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	
1/8	1/8 :27 NPT	-	E1F1	-	E1M1	-	-	Steel
1/8	1/8 :27 NPT	1EF1-B	E1F1-B	1EM1-B	E1M1-B	-	-	Brass
1/8	1/8 :27 NPT	1EF1-S	E1F1-S	1EM1-S	E1M1-S	-	-	303SS
1/4	1/4:18 NPT	-	E2F2	-	E2M2	-	E2S2	Steel
1/4	1/4:18 NPT	2EF2-B	E2F2-B	2EM2-B	E2M2-B	2ES2-B	E2S2-B	Brass
1/4	1/4:18 NPT	2EF2-S	E2F2-S	-	E2M2-S	-	-	303SS
1/4	1/4:19 BSPP	2EBF2-B	E2BF2-B	-	-	-	E3S3	Brass
3/8	3/8:18 NPT	-	E3F3	-	E3M3	-	E3S3-B	Steel
3/8	3/8:18 NPT	3EF3-B	E3F3-B	3EM3-B	E3M3-B	3ES3-B	-	Brass
3/8	3/8:18 NPT	3EF3-S	E3F3-S	3EM3-S	E3M3-S	-	-	303SS
3/8	3/8:19 BSPP	3EBF3-B	E3BF3-B	-	-	-	-	Brass
1/2	1/2:14 NPT	-	E4F4	-	E4M4	-	E4S4	Steel
1/2	1/2:14 NPT	4EF4-B	E4F4-B	4EM4-B	E4M4-B	4ES4-B	E4S4-B	Brass
1/2	1/2:14 NPT	4EF4-S	E4F4-S	4EM4-S	E4M4-S	-	-	303SS
1/2	1/2:19 BSPP	4EBF4-B	E4BF4-B	-	-	-	-	Brass
3/4	3/4:14 NPT	-	E6F6	-	E6M6	-	E6S6	Steel
3/4	3/4:14 NPT	6EF6-B	E6F6-B	6EM6-B	E6M6-B	6ES6-B	E6S6-B	Brass
3/4	3/4:14 NPT	6EF6-S	E6F6-S	6EM6-S	E6M6-S	-	-	303SS
3/4	3/4:14 BSPP	6EBF6-B	E6BF6-B	-	-	-	-	Brass
1	1:1 1/2 NPT	-	E8F8	-	E8M8	-	E8S8	Steel
1	1:1 1/2 NPT	8EF8-B	E8F8-B	8EM8-B	E8M8-B	8ES8-B	E8S8-B	Brass
1	1:1 1/2 NPT	8EF8-S	E8F8-S	8EM8-S	E8M8-S	-	-	303SS
1	1:11 BSPP	8EBF8-B	E8BF8-B	-	-	-	-	Brass
1 1/4	1 1/4:1 1/2 NPT	-	E10F10	-	E10M10	-	-	Steel
1 1/4	1 1/4:1 1/2 NPT	10EF10-B	E10F10-B	10EM10-B	E10M10-B	-	-	Brass
1 1/4	1 1/4:1 1/2 NPT	10EF10-S	E10F10-S	-	-	-	-	303SS
1 1/2	1 1/2:1 1/2 NPT	-	E12F12	-	E12M12	-	-	Steel
1 1/2	1 1/2:1 1/2 NPT	12EF12-B	E12F12-B	12EM12-B	E12M12-B	-	-	Brass
1 1/2	1 1/2:1 1/2 NPT	12EF12-S	E12F12-S	-	-	-	-	303SS
2	2:1 1/2 NPT	-	E16F16	-	E16M16	-	-	Steel
2	2:1 1/2 NPT	16EF16-B	E16F16-B	16EM16-B	E16M16-B	-	-	Brass
2	2:1 1/2 NPT	16EF16-S	E16F16-S	-	-	-	-	303SS

Product Group: AP01

E-Series Profiles

Body Size (inch)	A (mm)	B (mm)
1/8	6.60	2.03
1/4	10.16	2.79
3/8	12.45	3.30
1/2	16.26	3.30
3/4	22.61	4.32
1	30.48	4.32
1 1/4	36.83	3.05
1 1/2	45.47	4.32
2	57.66	4.32



Hydraulic Quick Couplings - E-Series

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

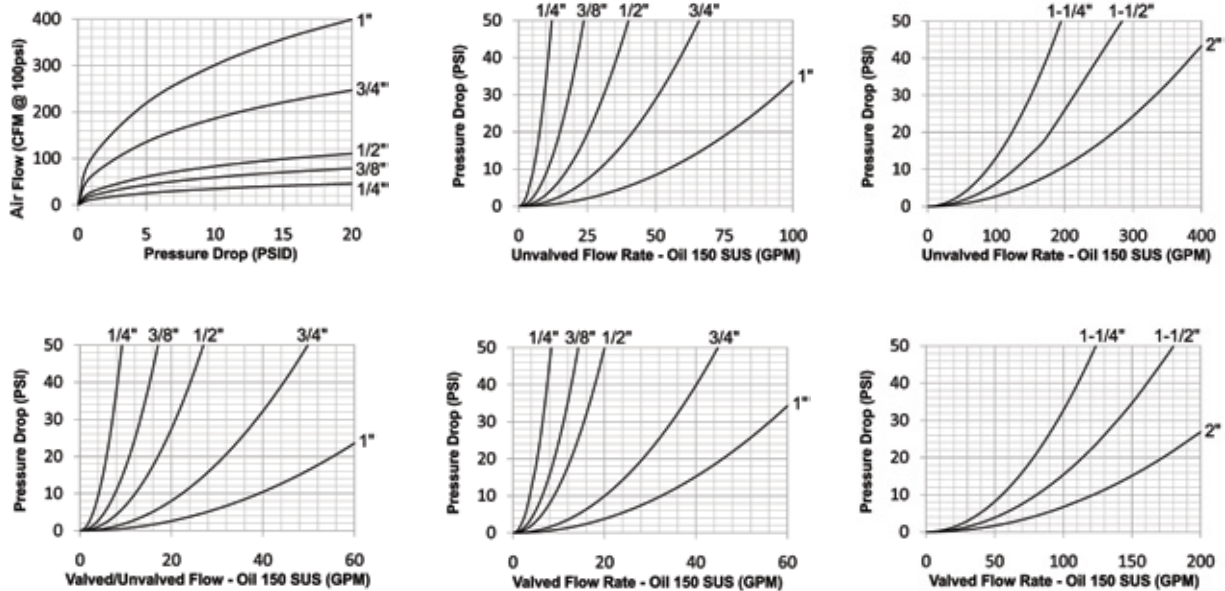
- Nitrile (Buna-N) seals are standard, providing a temperature range of -40°C to 121°C
- All couplers incorporate a PTFE anti-extrusion ring to protect the seal components from dynamic impulse damage
- 1/4" to 1" valve seals are crimped in place to maintain integrity during excessive flow conditions and pressurised connection
- 1 1/4" 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

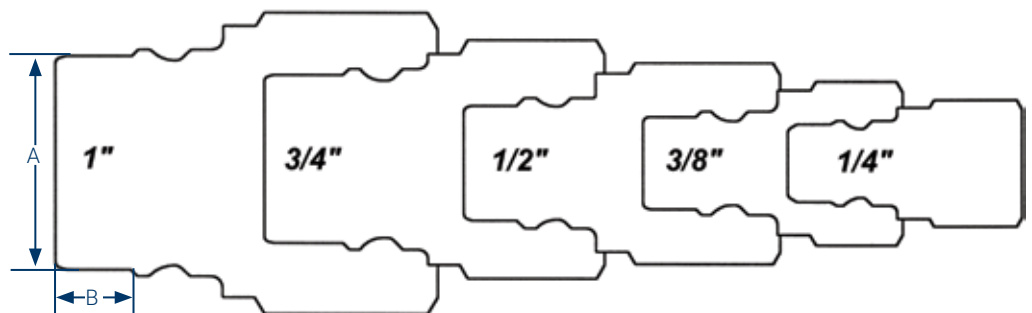
Notes

- 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)
1/4	10.92	5.84
3/8	12.95	7.37
1/2	16.00	7.37
3/4	23.67	10.92
1	29.70	10.41



Hydraulic Quick Couplings - V-Series

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

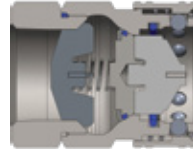
Note: Minimum burst pressure ratings were established under laboratory conditions using a Static Burst Unit (SBU). For high-impulse applications and to meet Det Norske Veritas (DNV) compliance, the operating pressure must be divided by two (2) to ensure a 4:1 safety factor during system operation

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", 1 1/4", 1 1/2" with O-ring boss thread sizes 7/16", 9/16", 3/4", 1 1/16", 1 5/16", 1 3/8" or 1 7/8"

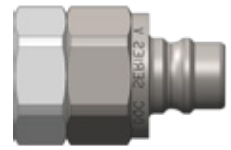
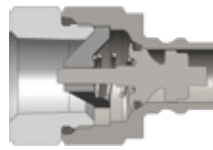


V-Series Valved Nipples

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", 1 1/4", 1 1/2" with O-ring boss thread sizes 7/16", 9/16", 3/4", 1 1/16", 1 5/16", 1 3/8" or 1 7/8"

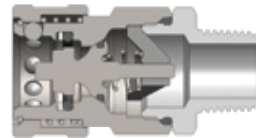


V-Series Valved Couplers

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"

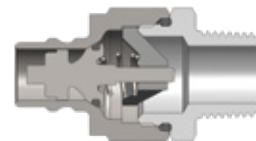


V-Series Valved Nipples

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"

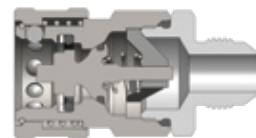


V-Series Valved Couplers

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

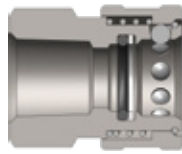
Materials & Sizes

- Steel Body: 1/4" to 1" with JIC thread sizes 9/16", to 1 5/16"



V-Series Unvalved Couplers

Female Thread

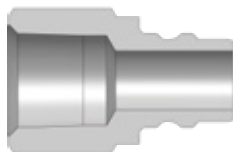


Materials & Sizes

- 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 1 1/4" with BSPP thread sizes 1/4" to 1 1/4"
- Brass Body: 1/4" to 1 1/4" with BSPP thread sizes 1/4" to 1 1/4"
- Stainless Steel Body: 1/4" to 1 1/4" with BSPP thread sizes 1/4" to 1 1/4"

V-Series Unvalved Nipples

Female Thread

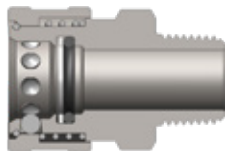


Materials & Sizes

- 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 1 1/4" with BSPP thread sizes 1/4" to 1 1/4"
- Brass Body: 1/4" to 1 1/4" with BSPP thread sizes 1/4" to 1 1/4"
- Stainless Steel Body: 1/4" to 1 1/4" with BSPP thread sizes 1/4" to 1 1/4"

V-Series Unvalved Couplers

Male Thread

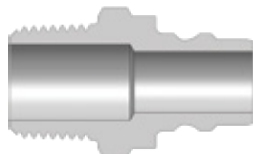


Materials & Sizes

- 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

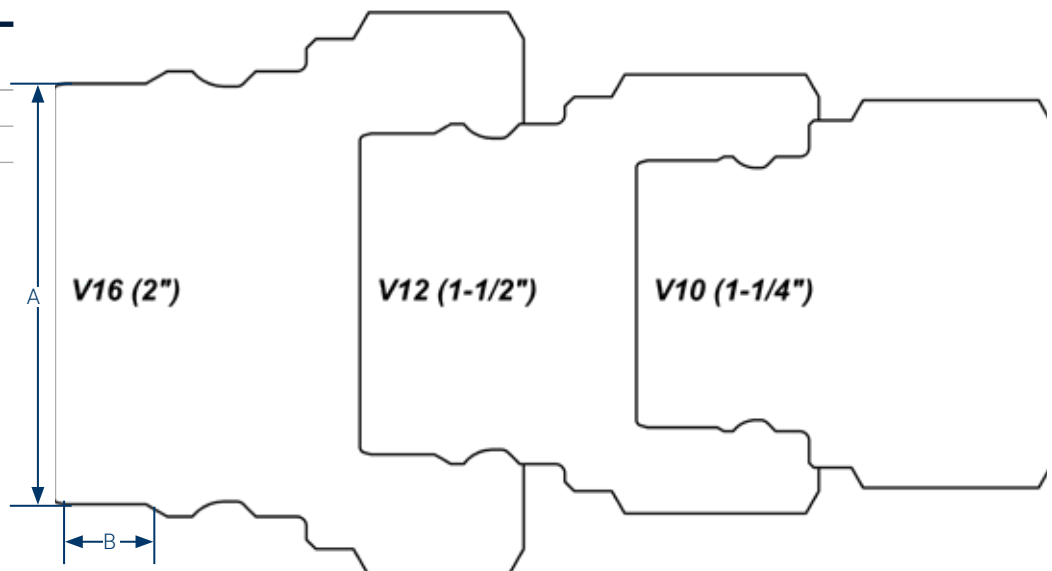


Materials & Sizes

- 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)
1 1/4	34.04	10.92
1 1/2	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

Hydraulic Quick Couplings - V-Series

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	¼:27 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	1 5/8 :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	1 7/8 :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

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	1 1/16:12 JIC	-	-	V6JM6	6VJM6	Steel
1	1:1 1/2 NPT	V8M8-E	-	-	-	Steel
1	1:1 1/2 NPT	V8M8-B-E	-	-	-	Brass
1	1:1 1/2 NPT	V8M8-SS-E	-	-	-	316 SS
1	1 5/16:12 JIC	-	-	V8JM8	8VJM8	Steel
1 ¼	1 ¼:1 1/2 NPT	V10M10-E	-	-	-	Steel
2	2:1 1/2 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 = Tubular Valve
 -BV = Brass Valve
 -ZV = Steel Valve
 -SSV = 316 Stainless Steel

Other options:

-LS = Locking Sleeve
 -C1 = Oxy-Clean

Product Group: AP11

What makes **Dixon Quick Couplings** survive the test of time?



[READ MORE](#)



Hydraulic Quick Couplings - CVV-Series

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

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"

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

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

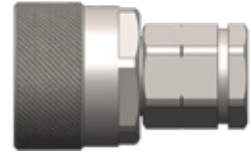
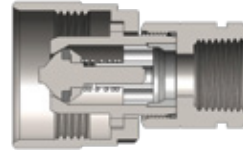
CVV-Series European Screw-Together Interchange

CVV-Series Couplers

Female Thread

Materials & Sizes

- Steel Body: 1/4" to 1 1/4" with NPT & BSPP thread sizes 1/4" to 1 1/4"
- 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

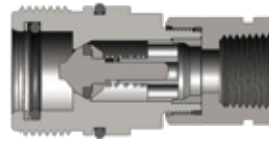


CVV-Series Nipples

Female Thread

Materials & Sizes

- Steel Body: 1/4" to 1 1/4" with NPT & BSPP thread sizes 1/4" to 1 1/4"
- 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	
1/4	1/4:18 NPT	2CVVF2	CVV2F2	Steel
1/4	1/4:19 BSPP	2CVVBF2	CVV2BF2	Steel
1/4	M14X1.5	2CVVFM1415	CVV2FM1415	Steel
3/8	3/8:18 NPT	3CVVF3	CVV3F3	Steel
3/8	3/8:19 BSPP	3CVVBF3	CVV3BF3	Steel
3/8	M16X1.5	3CVVFM1615	CVV3FM1615	Steel
1/2	1/2:14 NPT	4CVVF4	CVV4F4	Steel
1/2	3/4:16 ORB	4CVVOF4	CVV4OF4	Steel
1/2	1/2:14 BSPP	4CVVBF4	CVV4BF4	Steel
1/2	M18X1.5	4CVVFM1815	CVV4FM1815	Steel
1/2	7/8:14 ORB	4CVVOF5	CVV4OF5	Steel
1/2	M22X1.5	4CVVFM2215	CVV4FM2215	Steel
3/4	3/4:14 NPT	6CVVF6	CVV6F6	Steel
3/4	3/4:14 BSPP	6CVVBF6	CVV6BF6	Steel
3/4	M22X1.5	6CVVFM2215	CVV6FM2215	Steel
1	1:1 1/2 NPT	8CVVF8	CVV8F8	Steel
1	1:11 BSPP	8CVVBF8	CVV8BF8	Steel
1 1/4	1 1/4:11 1/2 NPT	10CVVF10	CVV10F10	Steel
1 1/4	1 1/4:11 BSPP	10CVVBF10	CVV10BF10	Steel

Product Group: AP17

Hydraulic Quick Couplings - CVV-Series

PD-Series ISO15171-1 Diagnostic Interchange

Materials

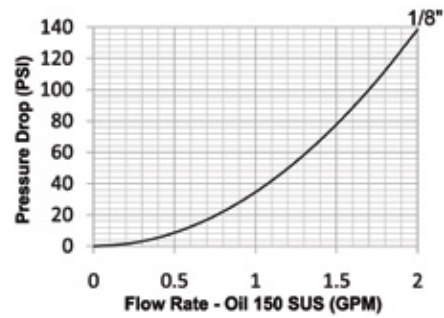
- Machined components are manufactured using solid steel bar stock
- Stainless steel balls, retaining rings and springs maximise corrosion resistance and extend service life
- Steel componentry is plated using ROHS-compliant trivalent chrome
- Steel nipples are machined from solid steel bar stock and 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

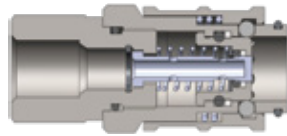
- Interchangeable to ISO15171-1
- Parker PD-Series, Aeroquip FD90, Tomco Series DK



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
1/8	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
1/8	ISO15171-1	SAE J1502	10	0.02	0.1	27.4	3.0

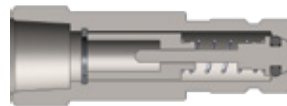


PD-Series Diagnostic Couplers

Female Thread

Materials & Sizes

- Steel Body: 1/8" with NPT thread sizes 1/8" & 1/4"

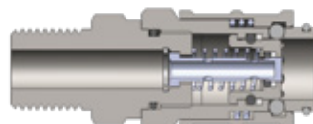


PD-Series Diagnostic Nipples

Female Thread

Materials & Sizes

- Steel Body: 1/8" with NPT thread sizes 1/8" & 1/4"



PD-Series Diagnostic Couplers

Male Thread

Materials & Sizes

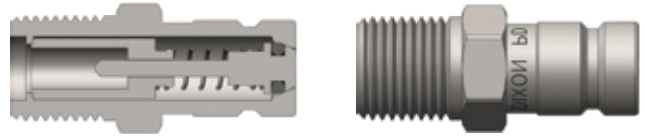
- Steel Body: 1/8" with NPT thread sizes 1/4"

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	
1/8	1/8:27 NPT	1PDF1	PD1F1	-	PD1M1	PD10M2	Steel
1/8	1/4:18 NPT	1PDF2	PD1F2	1PDM2	PD1M2	PD10M3	Steel

Product Group: AP15

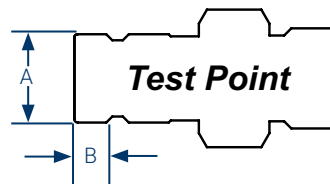
PD-Series Nipple Dust Cap

Body Size (inch)	Part Numbers	Body Material
1/8	H1DC	Nitrile

Product Group: AP02

PD-Series Profile

Body Size (inch)	A (mm)	B (mm)
1/8	12.45	4.83



Hydraulic Quick Couplings - CNG-Series

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

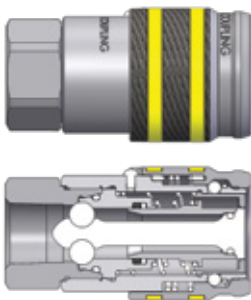
- Meets CNG service requirements
- Improved body and valve design provides a 30% increased flow performance over standard ISO-B designs
- The latch mechanism provides brinelling resistance
- The locking sleeve design prevents accidental disconnection
- Captured valve O-ring for reliability in high-flow 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	-	CNG80M8-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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