



# Composite Hose & Fittings Catalogue

*Uncommon Excellence*

## Composite Hose & Fittings

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# Composite Hose & Fittings

## Composite Petrol/Oil Suction/Delivery (CODE1000)

### Application

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

### Features

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

### Hose Construction

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

### Standards

- AS 2683:2000 Type 1 Grade 3 and EN 13765:2018 Type 3

### Temperature

- 30°C to 80°C



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

Product Group: BB06

## Composite Petrol/Oil Delivery Hose Assembly (CODE1000)

### Application

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

### Features

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



### Assembly Working Pressure - PSI

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

## Composite Petrol/Oil Suction/Delivery (CODE1003)

### Application

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

### Features

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

### Hose Construction

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

### Standards

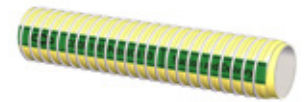
- AS 2683:2000 Type 1 Grade 3 and EN 13765:2018 Type 3

### Temperature

- 30°C to 80°C

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

Product Group: BB06



## Composite Vapour Recovery (CODEVRH)

### Application

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

### Features

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

### Hose Construction

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

### Standards

- AS 2683:2000 Type 1 Grade 3 and EN 13765:2018 Type 3

### Temperature

- 30°C to 80°C

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

Product Group: BB06



## Composite HydroFrac Suction/Delivery (CODEFRAC)

### Applications

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

### Features

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

### Hose Construction

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

### Temperature

- -40°C to 100°C

### Standards

- EN 13765:2018 Type 3



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

Product Group: BB37

## Composite Chemical Suction/Delivery Hose (CODE951)

### Applications

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

### Features

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

### Hose Construction

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

### Temperature

- -30°C to 80°C

### Standards

- EN 13765:2018 Type 2



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

Product Group: BB06

## Composite Chemical Suction/Delivery Hose (CODE952)

### Applications

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

### Features

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

### Hose Construction

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

### Temperature

- 30°C to 80°C

### Standards

- EN 13765:2018 Type 2

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



Product Group: BB06

## Composite Chemical Hose (CODE951/CODE952)

### Applications

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

### Features

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

### Assembly Working Pressure - PSI

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



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

# Composite Hose & Fittings

## Composite Scroll Tail Series

### Applications

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



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

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

Product Group: BB06



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

Product Group: BB06

## Vapour Recovery Coupler



Size		Part Number
mm	inch	
100	4	VRST400

Product Group: BB06

## Scroll Tail Crimp Stems - Buttweld



Size		Part Numbers
mm	inch	
150	6	STW0150CS
200	8	STW0200CS

Product Group: BB06

## Scroll Tail Crimp Stems - Threaded



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

Product Group: BB06

## Crimp Ferrules

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

Product Group: BB06



## Crimp Cup Seals

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

Product Group: BB06





*The Right Connection®*

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