



**OIL & GAS PRODUCT RANGE**

**ALFAGOMMA**

Projected towards continuous improvement and committed to meeting customer needs and expectations in an increasingly complex industrial environment, Alfagomma is serving the oil industry through its network of production sites, branches and assembly centres, spanning 5 continents.

Alfagomma offers an extensive range of hoses, fittings and equipment for the on shore and off shore business.

With cutting edge technology and state of the art R&D, a wide range of solutions are provided for Floating Roof Tank drain applications, Rig Supply, Dock, On Shore, Mooring and OCIMF Off Shore hoses.

Together with a comprehensive range of Industrial and Hydraulic Hose and Fitting, Alfagomma programme includes a complete line of Rotary Drilling, Vibrator, Choke & Kill, Sour Service, Cementing and Slim Hole hoses.

Our quality control during manufacture and testing processes ensures high quality products and total fulfillment to Environmental Standards and Norms.

Alfagomma is an ISO 9001, ISO 14001 Company and our products are supplied with the relevant Quality and Testing Certificates.



ALFAGOMMA INDUSTRIAL - TERAMO:  
INDUSTRIAL HOSE & FITTINGS



ALFAGOMMA HYDRAULIC - TERAMO:  
HYDRAULIC HOSE & MANIPULATED TUBES



ALFAGOMMA HYDRAULIC - COSENZA:  
HYDRAULIC HOSE



ALFAGOMMA HYDRAULIC - COSENZA:  
HYDRAULIC FITTINGS & ADAPTERS



ALFAGOMMA MARDEC - JOHORE (MALAYSIA):  
HYDRAULIC HOSE



DUNLOP HIFLEX - JOHORE (MALAYSIA):  
INDUSTRIAL HOSE



DUNLOP HIFLEX - JOHORE (MALAYSIA):  
HYDRAULIC HOSE



ALFAGOMMA - NINGBO (CHINA):  
HYDRAULIC FITTINGS & ADAPTERS



ALFAGOMMA DO BRASIL  
GUARANÉSIA (BRASIL):  
MANIPULATED TUBES AND HOSE ASSEMBLY



ALFAGOMMA AMERICA - BURLINGTON:  
MANIPULATED TUBES AND HOSE ASSEMBLY



EKO SISTEMA OLEODINAMICI s.r.l.  
CAMBIANO (TORINO):  
MANIPULATED TUBES AND ASSEMBLY MIX













TMF - CASTELLO BRIANZA (LECCO):  
HYDRAULIC FITTINGS AND COMPONENTS

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# SYMBOL

	Internal Diameter		Conductive tube & cover
	Outside Diameter		DNV approved
	Maximum Working Pressure		MSHA approved
	Maximum Burst Pressure		
	Minimum Bend Radius		
	Vacuum		
	Weight		

# NOTE

ALFAGOMMA reserves the right to modify specifications without prior notice.

Weights and dimensions are nominal.

Working pressures and vacuum ratings for hose are based at ambient temperature of 20 °C (68 °F)

Pictures shown are for illustration purposes only. Actual hose construction may vary.

# DRILLING

- SLIM HOLE ROTARY - FLEXOR RIG™ ..... 4
- ROTARY DRILLING & VIBRATOR ..... 5



## SLIM HOLE ROTARY - FLEXOR RIG™

**Tube:** Oil and biodegradable hydraulic fluid resistant synthetic rubber

**Reinforcement:** High tensile steel spirals

**Cover:** Abrasion, ozone and hydrocarbon resistant synthetic rubber

**Application:** Rotary hose, specially designed for portable, work-over and seismograph drilling rigs.

MSHA approved

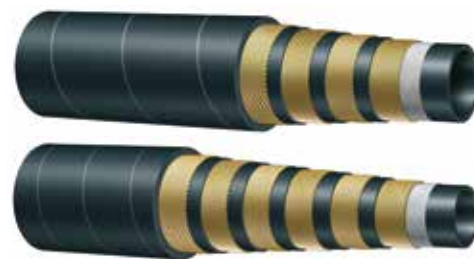
**Temperature:** -40°C +120°C (-40°F +250°F) wire spiral  
Air max T = +70°C (+160°F)

**Length:** Random up to 1"

61 m from 1 ¼" to 3"

**Recommended fitting, page:**

Hydraulic fitting-API thread ..... 87



Constr.	Dash	↔		↔		⊕		⊕		⌒		⏪	
		mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
4S	-16	25	1	38,7	1,52	38	5500	152	22000	305	12,2	2,0	134
6S	-20	32	1 1/4	49,8	1,96	35	5000	140	20000	419	16,8	3,6	241
6S	-24	38	1 1/2	57,3	2,26	35	5000	140	20000	508	20,3	4,8	322
6S	-32	51	2	70,9	2,79	35	5000	140	20000	635	25,4	6,6	442
4S	-40	63	2 1/2	79	3,11	22	3200	56*	8120*	720	28,35	4,63	311
4S	-48	76	3	92,5	3,64	22	3200	56*	8120*	840	33,07	5,40	362
6S	-40	63	2 1/2	82,8	3,26	35	5000	86*	12500*	800	31,50	7,56	507
6S	-48	76	3	95,6	3,76	35	5000	86*	12500*	900	35,43	7,95	533

\* Safety factor 2,5:1



**ROTARY DRILLING & VIBRATOR**

**According to API 7K  
Grade D and E**

**Tube:** Oil and drilling mud resistant synthetic rubber

**Reinforcement:** Multiple layers of spiralled high tensile steel cords

**Cover:** Abrasion, ozone and hydrocarbon resistant synthetic rubber

**Application:** Rotary drilling, Vibrator, Motion Compensator

**Temperature:** -20 °C +100 °C (-4 °F +212 °F)

**Length:** 47,25 m (155 ft) max

**Note:** Grade C (WP 4000 psi) available on demand



↔			↔		Grade	⊕		Test Pressure		⊖		⤴		⬛	
Dash	mm	in	mm	in		Mpa	psi	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
-32	51	2	93,6	3,69	D	35	5000	70	10000	86	12500	900	35,4	13,06	8,76
-40	63	2 1/2	110,7	4,36	D	35	5000	70	10000	86	12500	900	35,4	17,36	11,65
-48	76	3	126,0	4,96	D	35	5000	70	10000	86	12500	1200	47,2	19,52	13,10
-56	90	3 1/2	138,7	5,46	D	35	5000	70	10000	86	12500	1400	55,1	21,79	14,62
-64	102	4	161,0	6,34	D	35	5000	70	10000	86	12500	1400	55,1	34,47	23,13
-32	51	2	102,0	4,02	E	52,5	7500	70	10000	131	18750	1200	47,2	18,59	12,47
-40	63	2 1/2	118,0	4,65	E	52,5	7500	105	15000	131	18750	1200	47,2	23,10	15,50
-48	76	3	133,4	5,25	E	52,5	7500	105	15000	131	18750	1200	47,2	26,87	18,03
-56	90	3 1/2	146,0	5,75	E	52,5	7500	105	15000	131	18750	1400	55,1	30,22	20,28
-64	102	4	168,4	6,63	E	52,5	7500	105	15000	131	18750	1500	59,1	44,77	30,04





# OIL WELL CEMENTING

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- OIL WELL CEMENTING 10K SUPERTUFF ..... 8
- SUBSEA GROUTING 5K ..... 8





## OIL WELL CEMENTING

### According to API 7K

**Tube:** Oil and drilling mud resistant synthetic rubber  
**Reinforcement:** Multiple layers of spiralled high tensile steel cables  
**Cover:** Abrasion, ozone and hydrocarbon resistant synthetic rubber  
**Application:** High pressure cement slurry transfer between pump manifold and cementing head  
**Temperature:** -20 °C +100 °C (-4 °F +212 °F)  
**Length:** 47,25 m (155 ft) max.



↔			↔		⊕		Test Pressure		⊖		⌒		⏊	
Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
-32	51	2	93,6	3,69	35	5000	70	10000	86	12500	900	35,4	13,06	8,76
-48	76	3	126,0	4,96	35	5000	70	10000	86	12500	1200	47,2	19,52	13,10
-56	90	3 1/2	138,7	5,46	35	5000	70	10000	86	12500	1400	55,1	21,79	14,62
-64	102	4	161,0	6,34	35	5000	70	10000	86	12500	1400	55,1	34,47	23,13
-32	51	2	102,0	4,02	52	7500	105	15000	131	18750	1200	47,2	18,59	12,47
-48	76	3	135,6	5,34	52	7500	105	15000	131	18750	1500	59,1	31,20	20,94
-56	90	3 1/2	148,3	5,84	52	7500	105	15000	131	18750	1600	63,0	35,00	23,49
-64	102	4	171,3	6,74	52	7500	105	15000	131	18750	1800	70,9	51,10	34,29

## OIL WELL CEMENTING SUPERTUFF



**Tube:** Oil and biodegradable hydraulic fluids resistant synthetic rubber  
**Reinforcement:** High tensile steel spirals  
**Cover:** Abrasion, ozone and hydrocarbon resistant synthetic rubber  
**Application:** Very high pressure hydraulic lines. Also suitable for fuel oil, anti-freeze solutions, air and water. Special compact construction designed to operate at tight bend radius in demanding applications. Specially designed for oil well cementing.  
 MSHA approved  
**Temperature:** -40 °C +121 °C (-40 °F +250 °F)  
 Air max T = +70 °C (+160 °F)  
**Length:** 61 m (200 ft)



		↔			↔		⊕		⊖		⌒		⏊	
Constr.	Item Code	Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
4S		-32	51	2			35	5000	86	12500				
6S	1000344	-32	51	2	72	2,83	70	10000	155	22500	600	24	7,08	4,76

## SUBSEA GROUTING 5K



**Tube:** Oil and biodegradable hydraulic fluids resistant synthetic rubber  
**Reinforcement:** High tensile steel spirals  
**Cover:** Abrasion, ozone and hydrocarbon resistant synthetic rubber  
**Application:** Very high pressure hydraulic lines. Also suitable for fuel oil, anti-freeze solutions, air and water. Special compact construction designed to operate at tight bend radius in demanding applications. Specially designed for subsea grouting.  
 MSHA approved  
**Temperature:** -40 °C +121 °C (-40 °F +250 °F)  
 Air max T = +70 °C (+160 °F)  
**Length:** 61 m (200 ft)



		↔			↔		⊕		⊖		⌒		⏊	
Constr.	Item Code	Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
6S	1001534	-32	51	2	71,1	2,80	35	5000	140	20000	545	21,8	6,540	4,40

# BLOW OUT PREVENTION

- CHOKE & KILL ..... 10
- BOP - FIRESAFE 5000 ..... 10



## BOP - FIRESAFE 5000

### API 16-D Flame resistance

**Tube:** Oil resistant synthetic rubber

**Reinforcement:** High tensile steel spirals

**Cover:** Oil and fire resistant synthetic rubber

**Application:** High pressure hydraulic lines in blow out prevention systems, where continuous operation in case of fire is required

**Temperature:** -40 °C +121 °C (-40 °F +250 °F)  
air max T = +70 °C (+160 °F)

**Length:** Random up to 1"  
61 m (200 ft) from 1 1/4" to 2"

#### Recommended fitting, page:

Hydraulic fitting-API thread ..... 87



Constr.	Dash	↔		↔		⌚		⌚		⌒		⏚	
		mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
4S	4	6	1/4	26,0	1,02	35	5000	140	20000	150	5,91	0,70	0,47
4S	6	10	3/8	28,7	1,13	35	5000	140	20000	180	7,09	0,79	0,53
4S	8	12	1/2	31,8	1,25	35	5000	140	20000	230	9,06	1,28	0,86
4S	12	20	3/4	39,6	1,56	35	5000	140	20000	300	11,81	1,85	1,24
4S	16	25	1	47,0	1,85	35	5000	140	20000	340	13,39	2,69	1,80
4S	20	32	1 1/4	53,8	2,12	35	5000	140	20000	460	18,11	3,34	2,24
6S	24	38	1 1/2	65,8	2,59	35	5000	140	20000	560	22,05	5,87	3,94
6S	32	51	2	79,4	3,13	35	5000	140	20000	700	27,56	7,78	5,22

## CHOKE & KILL

### API 16-C Fire Resistant

**Tube:** Oil and drilling mud resistant synthetic rubber

**Reinforcement:** Multiple layers of spiralled high tensile steel cables

**Cover:** Stainless steel armor

**Application:** Choke & kill in BOP systems. Designed for application with Sour Gas and H<sub>2</sub>S up to +121 °C (+250 °F)

**Temperature:** -20 °C +120 °C (-4 °F +248 °F)

**Length:** 47,25 m (155 ft) max

**Note:** Stainless steel armor covered available on demand



Dash	↔		↔		⌚		Test Pressure		⌚		⌒		⏚	
	mm	in	mm	in	Mpa	psi	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
32	51	2	95,2	3,75	35	5000	70	10000	86	12500	900	35,4	11,30	7,58
40	63	2 1/2	108,7	4,28	35	5000	70	10000	86	12500	900	35,4	15,60	10,47
48	76	3	126,2	4,97	35	5000	70	10000	86	12500	1200	47,2	20,90	14,02
56	90	3 1/2	139,1	5,48	35	5000	70	10000	86	12500	1400	55,1	23,49	15,76
64	102	4	161,2	6,35	35	5000	70	10000	86	12500	1400	55,1	36,50	24,49
32	51	2	102,2	4,02	70	10000	140	20000	155	22500	1200	47,2	20,17	13,53
40	63	2 1/2	116,1	4,57	70	10000	140	20000	155	22500	1200	47,2	23,05	15,47
48	76	3	137,0	5,39	70	10000	140	20000	155	22500	1500	59,1	31,56	21,18
56	90	3 1/2	149,9	5,90	70	10000	140	20000	155	22500	1600	63,0	34,35	23,05
64	102	4	173,3	6,82	70	10000	140	20000	155	22500	1800	70,9	51,42	34,50

hose

fittings

Accessories

# OIL MARINE

- **FLOATING AND SUBMARINE OCIMF HOSES** ..... 12
- **643AA** Crude oil flowline & riser 25 bar (375 psi)..... 13



**FLOATING AND SUBMARINE OCIMF HOSES**

According to 'Offshore & Mooring hose guide, 4th edition, 1991'  
Available in single or double carcass

Submarine with or without floating collars



Submarine with collars – one or two ends reinforced



Floating



Half – floating



Half floating – one or two ends reinforced



Tanker rail – tapered bore



**Internal Nominal Diameter:** 6", 8", 10", 12", 16", 20", 24"  
**Working Pressure:** 15 bar (225 psi) and 20 bar (300 psi)  
**Operating pressure range:** -0,85/15bar (-12/225 psi) and -0,85/20 bar (-12/300 psi)  
**Bursting pressure:** min 5:1 single carcass min 2:1 double carcass  
**Flow:** 21 m/s max.  
**Fluid Temperature:** - 20°C +82 °C (-4 °F +180 °F)  
**Atmosphere Temperature:** - 29 °C +52 °C (126 °F)  
**Aromatic Content:** 50% max. (standard version). Up to 100% on demand  
**Minimum Bend Radius:** 4 x ID: Submarine and Tanker Rail  
                                   6 x ID: Floating  
                                   2 x ID: Super Bending (on customer demand)  
**Elongation:** Permanent 0,7% max. Temporary 2,5% max.  
**Standard Lengths:** 10,7m. (35ft) and 9,1m. (30ft)



**643AA**

**Crude oil flowline & riser 25 bar (375 psi)**

**Tube:** Black NBR

**Reinforcement:** High tensile steel cords

**Cover:** Black CR - abrasion, ozone, salt water resistant

**Use:** Fuel and crude oil flowline and riser in extended oilfield test. Excellent end load resistance.

Resistant to sour gas, 5 ppm

**Safety factor:** 4:1

**Temperature:** -30 °C +93 °C (-22 °F +200 °F)

**Stainless Steel version available on request**

**Recommended fitting, page:**

Combination nipple with pre-crimped ferrule .....72

Insert with flange PN 16 - ASA 150..... 75-76



↔		↔		⏴		⤵		⌋⌌		⏴	
mm	inch	mm	inch	bar	psi	mm	inch	%	kg/m	lb/ft	
76	3	102	4,01	25	375			100	5,900	3,970	
102	4	128	5,00	25	375			100	6,740	0,195	
152	6	180	7,00	25	375			100	11,300	7,590	





# DOCK

- **60MAA** Fuel-oil S&D 10 bar (150 psi) - EN 1765/S10 ..... 16
- **60DAA** Fuel-oil S&D 10 bar (150 psi) - EN 1765/S10 ..... 16
- **64AAA** Fuel-oil delivery 10 bar (150 psi) - EN 1765/L10 ..... 16
- **60NAA** Fuel-oil S&D 15 bar (225 psi) - EN 1765/S15 ..... 17
- **60GAA** Fuel-oil S&D 15 bar (225 psi) - EN 1765/S15 ..... 17
- **64DAA** Fuel-oil delivery 15 bar (225 psi) - EN 1765/L15 ..... 17
- **60JAA** Fuel-oil S&D 15 bar (225 psi) - EN 1765/S15..... 18
- **5N331** Acid-chemical S&D 14 bar (200 psi) - heavy duty - PTFE - BS 5842 arrêté ADR annexe 1 ..... 19
- **6N511** Fuel-oil S&D 14 bar (200 psi) - heavy duty - high temperature +100 °C (+212 °F)  
BS 3492/BX - BS 5842 arrêté ADR annexe 1 ..... 19





**60MAA**

**Fuel-oil S&D 10 bar (150 psi)  
EN 1765/S10**

**Tube:** Black NBR

**Reinforcement:** High tensile textile cords with embedded steel helix wire

**Cover:** Black CR - abrasion, ozone, sea water and hydrocarbon resistant

**Use:** Crude oil and liquid petroleum products suction and delivery to/from tankers and bunkering vessels.  
Max 55% aromatic content resistance.

Version suitable for 100% aromatic content or biofuel available on request.

Electrically continuous (discontinuous on request)

**Safety factor:** 4:1

**Temperature:** -20 °C +82 °C (-4 °F +180 °F)

**Stainless Steel version available on request**

**Recommended fitting, page:**

Combination nipple with pre-crimped ferrule ..... 72

Insert with flange PN 16 - ASA 150 ..... 75-76



↔		↔		⏱		⤴		⌈		⚖	
mm	inch	mm	inch	bar	psi	mm	inch	%	kg/m	lb/ft	
76	3	98	3,86	10	150	450	18,00	85	4,960	3,328	
100	4	126	4,96	10	150	600	24,00	85	6,100	4,100	
150	6	182	7,17	10	150	850	34,00	85	12,200	8,200	
200	8	235	9,25	10	150	1100	44,00	85	17,300	11,630	

**60DAA**

**Fuel-oil S&D 10 bar (150 psi)  
EN 1765/S10**

**Tube:** Black NBR

**Reinforcement:** High tensile textile cords with embedded steel helix wire

**Cover:** Black CR - abrasion, ozone, sea water and hydrocarbon resistant

**Use:** Crude oil and liquid petroleum products suction and delivery to/from tankers and bunkering vessels.  
Max 55% aromatic content resistance.

Electrically continuous (discontinuous on request)

**Also available:**

- 60EAA 100% aromatic content
- 60FAA biofuel

**Safety factor:** 4:1

**Temperature:** -20 °C +82 °C (-4 °F +180 °F)

**Stainless Steel version available on request**

**Recommended fitting, page:**

Built-in fittings with flange PN 16 - ASA 150 ..... 75-76



↔		↔		⏱		⤴		⌈		⚖	
mm	inch	mm	inch	bar	psi	mm	inch	%	kg/m	lb/ft	
100	4			10	150	500	20,00	100	10,200	6,850	
150	6			10	150	750	30,00	100	15,900	10,690	
200	8			10	150	1000	40,00	100	24,300	16,330	
250	10			10	150	1250	50,00	100	33,900	22,780	
300	12			10	150	1500	60,00	100	45,800	30,780	

**64AAA**

**Fuel-oil delivery 10 bar (150 psi)  
EN 1765/L10**

**Tube:** Black NBR

**Reinforcement:** High tensile textile cords

**Cover:** Black CR - abrasion, ozone, sea water and hydrocarbon resistant

**Use:** Crude oil and liquid petroleum products delivery to/from tankers and bunkering vessels.  
Max 55% aromatic content resistance.

Electrically continuous (discontinuous on request)

**Also available:**

- 64BAA 100% aromatic content
- 64CAA biofuel

**Safety factor:** 4:1

**Temperature:** -20 °C +82 °C (-4 °F +180 °F)

**Stainless Steel version available on request**

**Recommended fitting, page:**

Built-in fittings with flange PN 16 - ASA 150 ..... 75-76



↔		↔		⏱		⤴		⌈		⚖	
mm	inch	mm	inch	bar	psi	mm	inch	%	kg/m	lb/ft	
100	4			10	150	600	24,00		6,700	4,500	
150	6			10	150	900	36,00		11,000	7,390	
200	8			10	150	1200	48,00		16,100	10,820	
250	10			10	150	1500	60,00		20,100	13,510	
300	12			10	150	1800	72,00		25,000	16,800	

**60NAA**

**Fuel-oil S&D 15 bar (225 psi)  
EN 1765/S15**

**Tube:** Black NBR

**Reinforcement:** High tensile textile cords with embedded steel helix wire

**Cover:** Black CR- abrasion, ozone, sea water and hydrocarbon resistant

**Use:** Crude oil and liquid petroleum products suction and delivery to/from tankers and bunkering vessels. Max 55% aromatic content resistance.

Version suitable for 100% aromatic content or biofuel available on request.

Electrically continuous (discontinuous on request)

**Safety factor:** 4:1

**Temperature:** -20 °C +82 °C (-4 °F +180 °F)

**Stainless Steel version available on request**

**Recommended fitting, page:**

Combination nipple with pre-crimped ferrule .....72  
Insert with flange PN 16 - ASA 150..... 75-76



↔		↔		⌚		⤴		⌘	⬛	
mm	inch	mm	inch	bar	psi	mm	inch	%	kg/m	lb/ft
75	3	100	3,94	15	225	375	15,00	85	4,710	3,170
100	4	126	4,96	15	225	500	20,00	85	6,250	4,200
150	6	184	7,24	15	225	750	30,00	85	12,400	8,330

**60GAA**

**Fuel-oil S&D 15 bar (225 psi)  
EN 1765/S15**

**Tube:** Black NBR

**Reinforcement:** High tensile textile cords with embedded steel helix wire

**Cover:** Black CR - abrasion, ozone, sea water and hydrocarbon resistant

**Use:** Crude oil and liquid petroleum products suction and delivery to/from tankers and bunkering vessels. Max 55% aromatic content resistance.

Electrically continuous (discontinuous on request)

**Also available:**

- 60HAA 100% aromatic content
- 60IAA biofuel

**Safety factor:** 4:1

**Temperature:** -20 °C +82 °C (-4 °F +180 °F)

**Stainless Steel version available on request**

**Recommended fitting, page:**

Built-in fittings with flange PN 16 - ASA 150..... 75-76



↔		↔		⌚		⤴		⌘	⬛	
mm	inch	mm	inch	bar	psi	mm	inch	%	kg/m	lb/ft
100	4			15	225	500	20,00	100	11,000	7,390
150	6			15	225	750	30,00	100	17,100	11,490
200	8			15	225	1000	40,00	100	26,500	17,810
250	10			15	225	1250	50,00	100	36,600	24,600
300	12			15	225	1500	60,00	100	51,400	34,540

**64DAA**

**Fuel-oil delivery 15 bar (225 psi)  
EN 1765/L15**

**Tube:** Black NBR

**Reinforcement:** High tensile textile cords

**Cover:** Black CR - abrasion, ozone, sea water and hydrocarbon resistant

**Use:** Crude oil and liquid petroleum products delivery to/from tankers and bunkering vessels. Max 55% aromatic content resistance.

Max 55% aromatic content resistance.

Electrically continuous (discontinuous on request)

**Also available:**

- 64EAA 100% aromatic content
- 64FAA biofuel

**Safety factor:** 4:1

**Temperature:** -20 °C +82 °C (-4 °F +180 °F)

**Stainless Steel version available on request**

**Recommended fitting, page:**

Built-in fittings with flange PN 16 - ASA 150..... 75-76



↔		↔		⌚		⤴		⌘	⬛	
mm	inch	mm	inch	bar	psi	mm	inch	%	kg/m	lb/ft
100	4			15	225	600	24,00		7,500	5,040
150	6			15	225	900	36,00		13,400	9,010
200	8			15	225	1200	48,00		18,100	12,160
250	10			15	225	1500	60,00		24,700	16,600
300	12			15	225	1800	72,00		31,400	21,100

**60JAA**

**Fuel-oil S&D 15 bar (225 psi)  
EN 1765/S15**

**Tube:** Black NBR

**Reinforcement:** High tensile textile cords with embedded steel helix wire

**Cover:** Black CR - abrasion, ozone, sea water and hydrocarbon resistant

**Use:** Crude oil and liquid petroleum products suction and delivery to/from tankers and bunkering vessels.

Max 55% aromatic content resistance.

Version suitable for 100% aromatic content or biofuel available on request.

Electrically continuous (discontinuous on request)

**Also available:**

- 60KAA 100% aromatic content

**Safety factor:** 5:1

**Temperature:** -31 °C +43 °C (-24 °F +200 °F)

**Stainless Steel version available on request**

**Recommended fitting, page:**

Built-in fittings with flange PN 16 - ASA 150.....77



→ ⊙ ←		→ ⊙ ←		⌚		⤴		⌘		⬛	
mm	inch	mm	inch	bar	psi	mm	inch	%	kg/m	lb/ft	
100	4			15	225	400	16,00	100	14,400	9,680	
150	6			15	225	600	24,00	100	21,700	14,580	
200	8			15	225	800	31,50	100	32,000	21,510	
250	10			15	225	1000	39,00	100	45,700	30,710	
300	12			15	225	1200	47,00	100	57,600	38,710	

hose

fittings

Accessories

**5N331**

**Acid-chemical S&D 14 bar (200 psi) - heavy duty PTFE  
BS 5842**

**Inner wire:** Stainless steel

**Tube:** PTFE film

**Cover:** Grey PVC coated fabric

**Outer wire:** Galvanized steel

**Use:** Acid, chemical, fuel and solvents suction and delivery. Specially designed for long service life in heavy duty applications requiring resistance to high temperature

**Safety factor:** 4:1

**Temperature:** -30 °C +115 °C (-22 °F +239 °F)

**EN 13765 arrêté ADR annexe 1 available on request**

**Recommended fitting, page:**

Composite hose fitting ..... 78-81



↔		↔		⌚		⤴		⌘	⌚	
mm	inch	mm	inch	bar	psi	mm	inch	%	kg/m	lb/ft
40	1 1/2	53	2,09	14	200	140	5,50	90	1,300	0,870
50	2	63	2,48	14	200	150	6,00	90	1,700	1,140
63*	2 1/2	78	3,07	14	200	175	7,00	90	2,300	1,540
65	2 5/8	78	3,07	14	200	175	7,00	90	2,500	1,680
75	3	90	3,54	14	200	250	10,00	90	2,700	1,810
80	3 1/8	94	3,70	14	200	250	10,00	90	3,500	2,350
100	4	122	4,80	14	200	350	14,00	90	6,200	4,160

\* Pitch for UK market

**6N511**

**Fuel-oil S&D 14 bar (200 psi) - heavy duty high temperature +100 °C (+212 °F)  
BS 3492/BX BS 5842**

**Inner wire:** Galvanised steel

**Tube:** Polyester film

**Cover:** Grey PVC with longitudinal yellow stripe coated fabric

**Outer wire:** Galvanized steel

**Use:** Fuel and oil suction and delivery. Specially designed for long service life in heavy duty applications requiring resistance to high temperature

**Safety factor:** 4:1

**Temperature:** -30 °C +80 °C (-22 °F +176 °F)

**EN 13765 arrêté ADR annexe 1 available on request**

**Recommended fitting, page:**

Composite hose fitting ..... 78-81



↔		↔		⌚		⤴		⌘	⌚	
mm	inch	mm	inch	bar	psi	mm	inch	%	kg/m	lb/ft
100	4			14	200	400	15,70	90	7,400	4,970
150	6			14	200	550	21,60	90	12,400	8,330
200	8			14	200	725	28,50	90	21,800	14,650
250	10			10,5	150	900	35,40	90	27,000	18,150



# RIG SUPPLY

## FUEL & LIQUID MUD

- **648AA** Rig supply soft wall, fuel-liquid mud 20 bar (300 psi) ..... 22
- **615AA** Rig supply hard wall, fuel-liquid mud 20 bar (300 psi) ..... 22
- **622AA** Rig supply hard wall, fuel-liquid mud ..... 23



## 648AA

### Rig supply soft wall fuel-liquid mud 20 bar (300 psi)



**Tube:** Black conductive NBR

**Reinforcement:** High tensile textile cords - antistatic wire

**Cover:** Black conductive CR - abrasion, ozone, hydrocarbon and fire resistant

**Use:** Fuel, oil and liquid mud transfer from supply vessels to offshore platforms. Also suitable for sea water pumping and barite transfer.

Also available in self floating version. Reserve buoyancy calculated according to GMPHOM 2009 standard

**Tensile and load resistance:**

D2" 2.000 kg

D3" 4.000 kg

D4" 7.000 kg

D ≥ 5" 10.000 kg

**Safety factor:** 4:1

**Temperature:** -30 °C +70 °C (-22 °F +158 °F)

**Recommended fitting, page:**

NPT thread combination nipple with pre-crimped ferrule ....72

↔		↔		⏏	⏏	⌒		⌒	⏏	
mm	inch	mm	inch	bar	psi	mm	inch	%	kg/m	lb/ft
51	2	67	2,64	20	300	300	11,81		1,890	1,28
76	3	94	3,70	20	300	456	17,95		2,950	1,99
102	4	120	4,72	20	300	612	24,09		3,950	2,66
127	5	147	5,79	20	225	762	30		5,640	3,80
152	6	176	6,93	20	225	912	35,91		8,030	5,40

## 615AA

### Rig supply hard wall fuel-liquid mud 20 bar (300 psi)



**Tube:** Black conductive NBR

**Reinforcement:** High tensile textile cords with embedded steel helix

wire - antistatic wire

**Cover:** Black conductive CR - abrasion, ozone, hydrocarbon and fire resistant

**Use:** Fuel, oil and liquid mud transfer from supply vessels to offshore platforms. Also suitable for sea water pumping and bulk material transfer.

Also available in self floating version. Reserve buoyancy calculated according to GMPHOM 2009 standard

**Tensile and load resistance:**

D2" 2.000 kg

D3" 4.000 kg

D4" 7.000 kg

D ≥ 5" 10.000 kg

**Safety factor:** 4:1

**Temperature:** -30 °C +90 °C (-22 °F +194 °F)

**Recommended fitting, page:**

NPT thread combination nipple with pre-crimped ferrule ....72

↔		↔		⏏	⏏	⌒		⌒	⏏	
mm	inch	mm	inch	bar	psi	mm	inch	%	kg/m	lb/ft
51	2	37	2,64	20	300	255	10,40	100	2,230	1,50
76	3	94	3,70	20	300	380	14,96	90	3,800	2,56
102	4	122	4,80	20	300	510	20,08	90	5,480	3,69
127	5	149	5,87	20	300	635	25,00	90	7,760	5,22
152	6	176	6,93	20	300	760	29,92	90	10,200	6,86
203	8	237	9,33	20	225	1015	39,96	90	19,060	12,81

**622AA**

**Rig supply hard wall fuel-liquid mud**



**Tube:** Black conductive NBR

**Reinforcement:** High tensile textile cords with embedded steel helix wire - antistatic wire

**Cover:** Black conductive CR - abrasion, ozone, hydrocarbon and fire resistant

**Use:** fuel, oil and liquid mud transfer from supply vessels to offshore platforms. Also suitable for sea water pumping and bulk material transfer.

**Tensile and load resistance:**

D3" 6.000 kg

D4" 10.000 kg

**Safety factor:** 4:1

**Temperature:** -30 °C +90 °C (-22 °F +194 °F)

↔		↔		⊕	⊖	⌒		⌒	⏺	
mm	inch	mm	inch	bar	psi	mm	inch	%	kg/m	lb/ft
76	3	98	3,86	40	600	380	14,96	90	4,870	3,28
102	4	128	5,04	40	600	510	20,08	90	7,430	5,00
127	5	157	6,18	35	525	635	25,00	90	11,160	7,51

**Recommended fitting, page:**

NPT thread combination nipple with pre-crimped ferrule ....72

Rig supply: for ease of identification, coloured over-ferrules available on demand.







# RIG SUPPLY

## BARITE & DRY CEMENT

- **748AA** Rig supply soft wall bulk material 20 bar (300 psi) ..... 26
- **715AA** Rig supply hard wall bulk material 20 bar (300 psi) ..... 26



## 748AA

### Rig supply soft wall bulk material 20 bar (300 psi)



**Tube:** Black conductive NR - abrasion resistant  
**Reinforcement:** High tensile textile cords - antistatic wire  
**Cover:** Black conductive CR - abrasion, ozone hydrocarbon and fire resistant  
**Use:** Bulk material, sand, barite and dry cement transfer from supply vessels to offshore platforms.  
**Tensile and load resistance:**  
 D4" 7.000 kg  
 D ≥ 5" 10.000 kg  
**Safety factor:** 4:1  
**Temperature:** -30 °C +80 °C (-22 °F +176 °F)

**Recommended fitting, page:**  
 NPT thread combination nipple with pre-crimped ferrule ....72

↔		↔		⊕	⌒	⌒	⌒	⌒		
mm	inch	mm	inch	bar	psi	mm	inch	%	kg/m	lb/ft
102	4	122	4,80	20	300	612	24,09		4,470	3,01
127	5	149	5,87	20	300	762	30,00		6,330	4,26

## 715AA

### Rig supply hard wall bulk material 20 bar (300 psi)



**Tube:** Black conductive NR - abrasion resistant  
**Reinforcement:** High tensile textile cords with embedded steel helix wire - antistatic wire  
**Cover:** Black conductive CR - abrasion, ozone, hydrocarbon and fire resistant  
**Use:** Bulk material, sand, barite and dry cement transfer from supply vessels to offshore platforms.  
 Also available in self floating version. Reserve bouyancy calculated according to GMPHOM 2009 standard  
**Tensile and load resistance:**  
 D4" 7.000 kg  
 D ≥ 5" 10.000 kg  
**Safety factor:** 4:1  
**Temperature:** -30 °C +80 °C (-22 °F +176 °F)

**Recommended fitting, page:**  
 NPT thread combination nipple with pre-crimped ferrule ....72

↔		↔		⊕	⌒	⌒	⌒	⌒		
mm	inch	mm	inch	bar	psi	mm	inch	%	kg/m	lb/ft
102	4	124	4,88	20	300	510	20,08	90	6,060	4,08
127	5	151	5,94	20	300	635	25,00	90	8,540	5,74

# RIG SUPPLY

## POTABLE WATER

- **448LI** Rig supply soft wall potable water 20 bar (300 psi) - FDA..... 28
- **415LI** Rig supply hard wall potable water 20 bar (300 psi) - FDA ..... 28



## 448LI

**Rig supply soft wall**  
**potable water 20 bar (300 psi)**  
**FDA**



**Tube:** White NR  
**Reinforcement:** High tensile textile cords  
**Cover:** Orange NBR/PVC - abrasion, ozone and hydrocarbon resistant  
**Use:** Potable water transfer from supply vessels to offshore platforms.  
 Sterilize with 5% soda solution  
**Tensile and load resistance:**  
 D2" 2.000 kg  
 D3" 4.000 kg  
 D4" 7.000 kg  
**Safety factor:** 4:1  
**Temperature:** -30 °C +80 °C (-22 °F +176 °F)

↔		↔		⏱		⤴		⌘		⬛	
mm	inch	mm	inch	bar	psi	mm	inch	%	kg/m	lb/ft	
51	2	67	2,64	20	300	300	11,81		1,880	1,27	
76	3	94	3,70	20	300	456	17,95		2,960	1,99	
102	4	120	4,72	20	300	612	24,09		3,990	2,69	

**Recommended fitting, page:**  
 NPT thread combination nipple with pre-crimped ferrule ....72

## 415LI

**Rig supply hard wall**  
**potable water 20 bar (300 psi)**  
**FDA**



**Tube:** White NR  
**Reinforcement:** High tensile textile cords with embedded steel helix wire  
**Cover:** Orange NBR/PVC - abrasion, ozone and hydrocarbon resistant  
**Use:** Potable water transfer from supply vessel to offshore platforms.  
 Sterilize with 5% soda solution.  
 Also available in self floating version. Reserve buoyancy calculated according to GMPHOM 2009 standard  
**Tensile and load resistance:**  
 D2" 2.000 kg  
 D3" 4.000 kg  
 D4" 7.000 kg  
**Safety factor:** 4:1  
**Temperature:** -30 °C +80 °C (-22 °F +176 °F)

↔		↔		⏱		⤴		⌘		⬛	
mm	inch	mm	inch	bar	psi	mm	inch	%	kg/m	lb/ft	
51	2	67	2,64	20	300	255	10,04	100	2,230	1,50	
76	3	94	3,70	20	300	380	14,96	90	3800	2,56	
102	4	122	4,80	20	300	510	20,08	90	5,580	3,76	

**Recommended fitting, page:**  
 NPT thread combination nipple with pre-crimped ferrule ....72

# TRACTION RESISTANT

## CARGO HOSE

- **641AA** Oil & Mud cargo hose 15 bar (225 psi) end load resistance 5.000 kg ..... 30
- **624AA** Oil & Mud cargo hose 15 bar (225 psi) end load resistance 8.000 kg ..... 30
- **625AA** Cargo hose 15 bar (225 psi) end load resistance 12.000 kg..... 30
- **727AA** Drilling waste & cargo hose 15 bar (225 psi) end load resistance 26.000 kg ..... 31



## 641AA

**Oil & Mud cargo hose**  
**15 bar (225 psi)**  
**end load resistance 5.000 kg**



**Tube:** Black conductive NBR  
**Reinforcement:** High tensile textile fabric - boot straps  
**Cover:** Black conductive NBR/PVC - abrasion, ozone, hydrocarbon and fire resistant  
**Use:** Fuel and oil barite liquid transfer. Particularily suitable for drag chain application where low elongation is required. Also suitable for electrical cables and hydraulic hose protection.  
**Safety factor:** 3:1  
**Temperature:** -30 °C +70 °C (-22 °F +158 °F)

**Recommended fitting, page:**  
 Combination nipple with pre-crimped ferrule .....72  
 Insert with flange PN 16 - ASA 150..... 75-76

↔		↔		⏏		⤴		⌋⌋		⚖	
mm	inch	mm	inch	bar	psi	mm	inch	%	kg/m	lb/ft	
102	4	122	4,80	15	225			90	4,260	2,860	
127	5	147	5,12	15	225			90	5,090	3,420	
152	6	172	6,77	15	225			90	6,100	4,100	

## 624AA

**Oil & Mud cargo hose**  
**15 bar (225 psi)**  
**end load resistance 8.000 kg**



**Tube:** Black conductive NBR  
**Reinforcement:** High tensile textile cords with embedded steel helix wire - boot straps  
**Cover:** Black conductive CR - abrasion, ozone and hydrocarbon resistant  
**Use:** Fuel and oil suction and delivery. Specially designed for liquid mud and barite transfer from vessel to rig supply or from ship to ship  
**Safety factor:** 4:1  
**Temperature:** -30 °C +70 °C (-22 °F +158 °F)

**Recommended fitting, page:**  
 Combination nipple with pre-crimped ferrule .....72  
 Insert with flange PN 16 - ASA 150..... 75-76

↔		↔		⏏		⤴		⌋⌋		⚖	
mm	inch	mm	inch	bar	psi	mm	inch	%	kg/m	lb/ft	
76	3	100	9,94	15	225			90	4,910	3,300	
102	4	128	5,12	15	225			90	6,400	4,300	
127	5	153	6,02	15	225			90	8,340	5,600	

## 625AA

**Oil & Mud cargo hose**  
**15 bar (225 psi)**  
**end load resistance 12.000 kg**



**Tube:** Black conductive NBR  
**Reinforcement:** High tensile textile cords with embedded steel helix wire - boot straps  
**Cover:** Black conductive CR - abrasion, ozone and hydrocarbon resistant  
**Use:** Cargo hose specially designed for oil based muds and abrasive media, used in floating umbilical on oil recovery systems. Also suitable as protection for electrical cables and flexible hydraulic hoses in hose loops (umbilical) applications at the drilling deck on oil rigs.  
 Special end load resistance and heavy duty construction  
**Safety factor:** 4:1  
**Temperature:** -30 °C +80 °C (-22 °F +176 °F)

**Recommended fitting, page:**  
 Combination nipple with pre-crimped ferrule .....72  
 Insert with flange PN 16 - ASA 150..... 75-76

↔		↔		⏏		⤴		⌋⌋		⚖	
mm	inch	mm	inch	bar	psi	mm	inch	%	kg/m	lb/ft	
102	4	130	5,12	15	225			90	7,800	5,240	
152	6	184	7,24	15	225			80	13,300	8,940	

**727AA**

**Drilling waste & cargo hose - hard wall  
15 bar (225 psi)  
end load resistance 26.000 kg**



**Tube:** Black conductive NR - abrasion resistant  
**Reinforcement:** High tensile textile cords with embedded steel helix wire - boot straps  
**Cover:** Black conductive SBR/NR - abrasion and ozone resistant  
**Use:** Dumpline for drill cuttings containing sand, sea water and abrasive material. Also suitable as cargo hose for barite transfer.  
 Specially designed for heavy duty applications, with highest end load resistance.  
 Not to be used with oil based mud  
**Safety factor:** 3:1  
**Temperature:** -30 °C +80 °C (-22 °F +176 °F)

**Recommended fitting:**

Contact our offices for connections.

Stainless Steel version available on request

mm	inch	mm	inch	bar	psi	mm	inch	%	kg/m	lb/ft	
152	6	188	7,40	15	225			80	17,770	11,945	

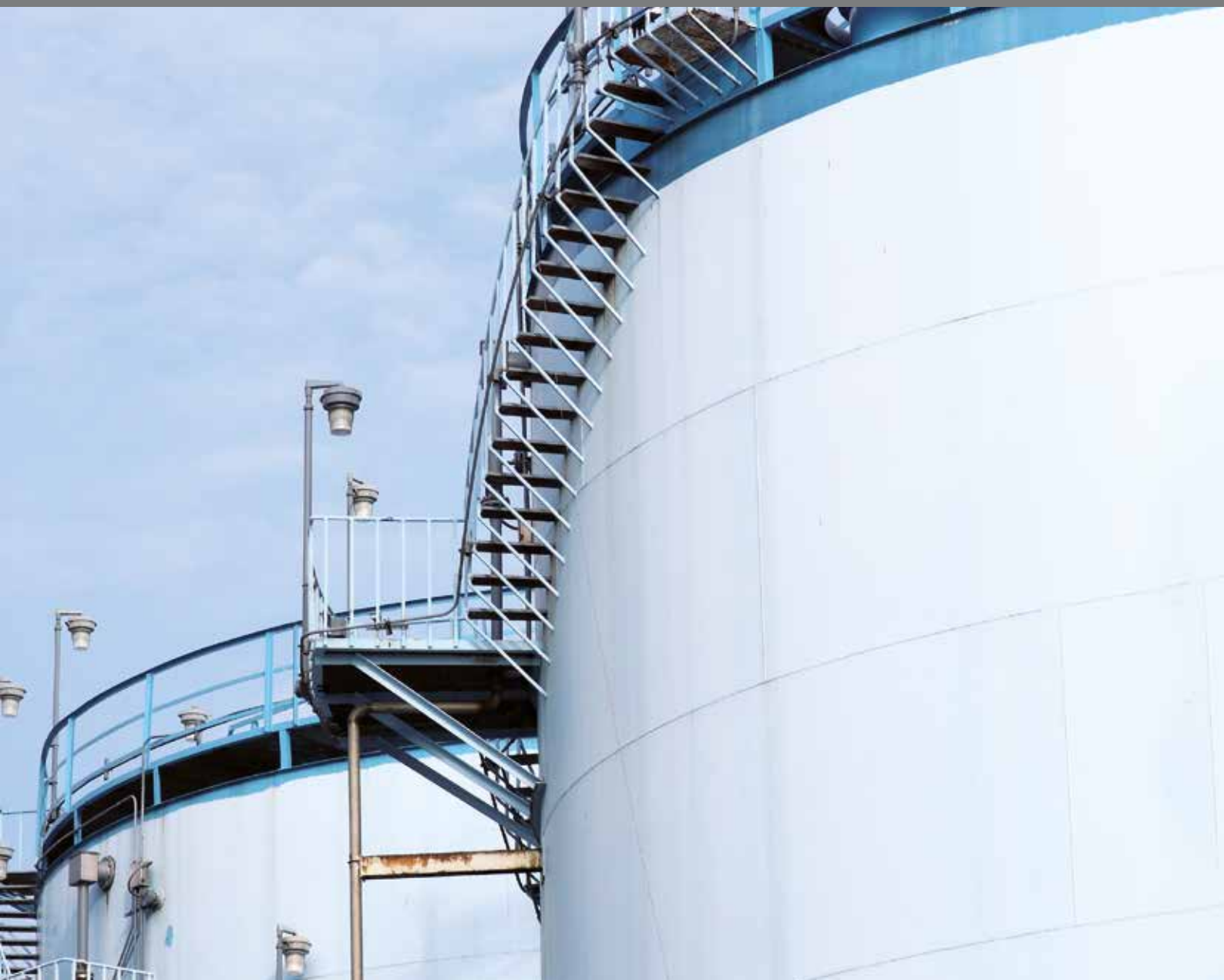
Rig supply: for ease of identification, coloured over-ferrules available on demand.





# FLOATING ROOF DRAIN

- **906AA** Roof drain 10 bar (150 psi)..... 34



## 906AA

### Roof drain 10 bar (150 psi)



**Tube:** Black conductive NBR

**Reinforcement:** High tensile textile cords with embedded steel helix wire

**Cover:** Black conductive NBR- abrasion, ozone and hydrocarbon resistant

**Use:** Rain water drainage in floating petrochemical storage tank roofs. 80% max aromatic content resistance

**Also available:**

- 905AA 100% aromatic

**Safety factor:** 3:1

**Temperature:** -20 °C +82 °C (-4 °F +180 °F)

Assembly available with fittings complete with flanges  
PN 16 - ASA 150 and lead ballast

mm	inch	mm	inch	bar	psi	mm	inch	%	kg/m	lb/ft	
76	3	102	4,02	10	150	380	15,00	90	4,780	3,210	
102	4	128	5,04	10	150	510	20,00	90	6,340	4,260	
152	6	180	7,09	10	150	760	30,00	80	10,550	7,090	

# FUEL-OIL & FRACKING

- **655AA** Fuel-oil delivery 16 bar (240 psi) exceeds EN 1761 TRbf 131/2 ..... 36
- **619AA** Fuel-oil EN 12115 exceeds EN 1761 TRbf 131/2 ..... 36
- **620AA** Fuel-oil S&D 20 bar (300 psi) ..... 36
- **601AA** Oil rigger S&D 10 bar (150 psi)..... 37
- **6C1AA** Oil rigger-fracking S&D 10 bar (150 psi) corrugated ..... 37
- **6D1AA** Fracking delivery 27 bar (400 psi) ..... 38
- **6D2AA** Fracturing delivery 27 bar (400 psi) Supertuff ..... 38



655AA

Fuel-oil delivery 16 bar (240 psi)  
exceeds EN 1761 TRbf 131/2



**Tube:** Black conductive NBR  
**Reinforcement:** High tensile textile cords  
**Cover:** Black conductive CR - abrasion, ozone, hydrocarbon and fire resistant  
**Use:** Oil and fuel transfer in the petrochemical industry. Designed for long service life in heavy duty applications.  
**Safety factor:** 3:1  
**Temperature:** -30 °C +70 °C (-22 °F +158 °F)

**Recommended fitting, page:**  
 Refer to hydraulic catalogue  
 Combination nipple with pre-crimped ferrule.....72  
 Insert with flange PN 16 - ASA 150..... 75-76

→○←		→○←		Ⓢ		⤴		⌘	Ⓢ	
mm	inch	mm	inch	bar	psi	mm	inch	%	kg/m	lb/ft
19	3/4	31	1,22	16	240	125	5,00		0,590	0,400
25	1	37	1,46	16	240	150	6,00		0,720	0,485
32	1 1/4	44	1,73	16	240	175	7,00		0,900	0,605
38	1 1/2	51	2,01	16	240	225	9,00		1,060	0,715
51	2	67	2,64	16	240	275	11,00		1,630	1,100
63	2 1/2	79	3,11	16	240	300	12,00		1,980	1,335
76	3	92	3,62	16	240	350	14,00		2,430	1,635
102	4	118	4,65	16	240	450	17,50		3,100	2,085
152	6	170	6,69	16	240	750	30,00		5,440	3,660

619AA

Fuel-oil  
EN 12115 exceeds EN 1761 TRbF 131/2



**Tube:** Black conductive NBR  
**Reinforcement:** High tensile textile cords with embedded steel helix wire - antistatic wire  
**Cover:** Black conductive CR - abrasion, ozone, hydrocarbon and fire resistant  
**Use:** Fuel and oil suction and delivery. Designed for long service life in heavy duty applications  
**Safety factor:** 4:1  
**Temperature:** -30 °C +70 °C (-22 °F +158 °F)

**Recommended fitting, page:**  
 Refer to hydraulic catalogue  
 Combination nipple with pre-crimped ferrule.....72  
 Insert with flange PN 16 - ASA 150..... 75-76

→○←		→○←		Ⓢ		⤴		⌘	Ⓢ	
mm	inch	mm	inch	bar	psi	mm	inch	%	kg/m	lb/ft
19	3/4	31	1,22	16	240	95	3,75	100	0,690	0,460
25	1	37	1,46	16	240	150	6,00	100	0,840	0,560
32	1 1/4	44	1,73	16	240	175	7,00	100	1,030	0,690
38	1 1/2	51	2,01	16	240	225	9,00	100	1,180	0,790
50	2	66	2,60	16	240	275	11,00	100	1,760	1,180
51	2	67	2,64	16	240	275	11,00	100	1,790	1,200
63	2 1/2	79	3,11	16	240	300	12,00	90	2,330	1,570
75	3	91	3,58	16	240	350	14,00	90	2,790	1,880
76	3	92	3,62	16	240	350	14,00	90	2,820	1,900
100	4	116	4,57	16	240	450	17,50	90	3,760	2,530
102	4	118	4,65	16	240	450	17,50	90	3,820	2,570

620AA

Fuel-oil S&D 20 bar (300 psi)



**Tube:** Black conductive NBR  
**Reinforcement:** High tensile textile cords with embedded steel helix wire - antistatic wire  
**Cover:** Black CR - abrasion, ozone and hydrocarbon resistant  
**Use:** Fuel and oil suction and delivery. Designed for long service life in heavy duty applications  
**Safety factor:** 3:1  
**Temperature:** -30 °C +80 °C (-22 °F +176 °F)

**Recommended fitting, page:**  
 Refer to hydraulic catalogue  
 Combination nipple with pre-crimped ferrule.....72  
 Insert with flange PN 16 - ASA 150..... 75-76

→○←		→○←		Ⓢ		⤴		⌘	Ⓢ	
mm	inch	mm	inch	bar	psi	mm	inch	%	kg/m	lb/ft
51	2	63	2,48	20	300	204	8,00	100	1,640	1,105
63	2 1/2	77	3,03	20	300	252	10,00	90	2,160	1,455
76	3	90	3,54	20	300	304	12,00	90	2,640	1,775
102	4	116	4,57	20	300	408	16,00	90	3,610	2,430
127	5	145	5,71	20	300	508	20,00	80	6,080	4,090
152	6	170	6,69	20	300	608	24,00	80	8,320	5,595
203	8	225	8,86	20	300	812	32,00	70	13,740	9,235

**601AA**

**Oil rigger-fracking S&D 10 bar (150 psi)**

**Tube:** Black NBR/PVC

**Reinforcement:** High tensile textile cords with embedded steel helix wire

**Cover:** Black SBR - abrasion and ozone resistant

**Use:** Crude oil mud in oilfield vacuum tank service. Extensively used in fracking operations.

**Safety factor:** <= 102 mm 3:1 152 mm 2,5:1

**Temperature:** -30 °C +80 °C (-22 °F +176 °F)

**Recommended fitting, page:**

Combination nipple with pre-crimped ferrule.....72

Insert with flange PN 16 - ASA 150..... 75-76



↔		↔		⊕	⌒	⌒	⌒	⌒	⌒	⌒
mm	inch	mm	inch	bar	psi	mm	inch	%	kg/m	lb/ft
51	2	61	2,40	10	150	255	10,00	100	1,380	0,930
76	3	88	3,46	10	150	380	15,00	90	2,570	1,730
102	4	116	4,57	10	150	510	20,00	90	3,560	2,395
152	6	168	6,61	10	150	760	30,00	80	6,820	4,585

**6C1AA**

**Oil rigger-fracking S&D 10 bar (150 psi) corrugated**

**Tube:** Black NBR/PVC

**Reinforcement:** High tensile textile cords with embedded steel helix wire. Light weight and flexible construction

**Cover:** Black SBR - abrasion and ozone resistant

**Use:** Oilfield vacuum tank service for crude oil mud handling

**Safety factor:** 3:1

**Temperature:** -30 °C +80 °C (-22 °F +176 °F)



↔		↔		⊕	⌒	⌒	⌒	⌒	⌒	⌒
mm	inch	mm	inch	bar	psi	mm	inch	%	kg/m	lb/ft
51	2			10	150	153	6,02	100	1,290	0,866
76	3			10	150	280	11,02	90	2,400	1,610
102	4			10	150	306	12,05	90	3,560	2,389
152	6			10	150	608	23,94	90	6,620	4,442
203	8			10	150	812	31,97	90	11,200	7,515

## 6D1AA

### Fracking delivery 27 bar (400 psi)

**Tube:** Black synthetic elastomer

**Reinforcement:** High tensile textile cords

**Cover:** Black synthetic elastomer - abrasion, oil and ozone resistant

**Use:** Fracking fluids, liquid mud and crude oil delivery in heavy duty oilfield and gas exploration service.

**Safety factor:** 4:1

**Temperature:** -30°C +80°C (-22°F +176°F)

**Recommended fitting, page:**

Combination nipple with pre-crimped ferrule.....72

Hammer lug union ..... 85-86



↔		↔		Ⓜ		⤵		Ⓜ		Ⓜ	
mm	inch	mm	inch	bar	psi	mm	inch	%	kg/m	lb/ft	
76	3	94	3,70	27	400				3,070	2,06	
102	4	120	4,72	27	400				4,320	2,90	

## 6D2AA

### Fracturing delivery 27 bar (400 psi)

#### Supertuff

**Tube:** Black synthetic elastomer

**Reinforcement:** High tensile textile cords

**Cover:** Black supertuff cover - abrasion, oil and ozone resistant

**Use:** fracking fluids, liquid mud and crude oil delivery in heavy duty oilfield and gas exploration service. special "supertuff" cover for excellent abrasion resistance.

**Safety factor:** 4:1

**Temperature:** -30°C +80°C (-22°F +176°F)

**Recommended fitting, page:**

Combination nipple with pre-crimped ferrule.....72

Hammer lug union ..... 85-86



↔		↔		Ⓜ		⤵		Ⓜ		Ⓜ	
mm	inch	mm	inch	bar	psi	mm	inch	%	kg/m	lb/ft	
102	4	120	4,72	27	400				4,360	2,90	



# STEAM

- **340AA** Steam 18 bar (270 psi) steel braided ..... 40
- **340AH** Steam 18 bar (270 psi) steel braided ..... 40
- **344AH** Steam 18 bar (270 psi) steel braided EN ISO 6134/2A ..... 40
- **341AA** Steam 18 bar (270 psi) - CIIR steel braided ..... 41
- **341AH** Steam 18 bar (270 psi) - CIIR steel braided ..... 41
- **345AH** Steam 18 bar (270 psi) - CIIR steel braided EN ISO 6134/2A ..... 41





**340AA**

**Steam 18 bar (270 psi)  
steel braided**

**Tube:** Black conductive EPDM

**Reinforcement:** High tensile steel wire braids

**Cover:** Black conductive EPDM - heat, abrasion and ozone resistant - pin pricked

**Use:** Saturated and superheated steam

**Safety factor:** 10:1

**Temperature:** -40 °C +210 °C (-40 °F +410 °F)  
intermittent to 232 °C (450 °F)

**Recommended fitting, page:**

Refer to Alfacrmp-One Piece catalogue

Ground joint seal ..... 64-65



↔		↔		⌚		⤴		⌋	⬛	
mm	inch	mm	inch	bar	psi	mm	inch	%	kg/m	lb/ft
13	1/2	23	0,91	18	270	130	5,00		0,410	0,280
19	3/4	31	1,22	18	270	190	7,50		0,760	0,515
25	1	38	1,50	18	270	250	10,00		0,890	0,600

**340AH**

**Steam 18 bar (270 psi)  
steel braided**

**Tube:** Black conductive EPDM

**Reinforcement:** High tensile steel wire braids

**Cover:** Red EPDM - heat, abrasion and ozone resistant - pin pricked

**Use:** Saturated and superheated steam

**Safety factor:** 10:1

**Temperature:** -40 °C +210 °C (-40 °F +410 °F)  
intermittent to 232 °C (450 °F)

**Recommended fitting, page:**

Refer to Alfacrmp-One Piece catalogue

Ground joint seal ..... 64-65



↔		↔		⌚		⤴		⌋	⬛	
mm	inch	mm	inch	bar	psi	mm	inch	%	kg/m	lb/ft
13	1/2	23	0,98	18	270	130	5,00		0,420	0,285
16	5/8	26	1,02	18	270	160	6,50		0,460	0,309
19	3/4	31	1,26	18	270	190	7,50		0,770	0,520
25	1	38	1,50	18	270	250	10,00		0,900	0,605
32	1 1/4	46	1,81	18	270	320	12,50		1,270	0,855
38	1 1/2	52	2,05	18	270	380	15,00		1,370	0,925
51	2	67	2,64	18	270	510	20,00		2,050	1,380
63	2 1/2	81	3,19	18	270	630	25,00		2,960	1,986
76	3	94	3,70	18	270	760	30,00		3,720	2,496

**344AH**

**Steam 18 bar (270 psi)  
steel braided  
EN ISO 6134/2A**

**Tube:** Black conductive EPDM

**Reinforcement:** High tensile steel wire braids

**Cover:** Red EPDM - heat, abrasion and ozone resistant - pin pricked

**Use:** Saturated and superheated steam

**Safety factor:** 10:1

**Temperature:** -40 °C +210 °C (-40 °F +410 °F)  
intermittent to 232 °C (450 °F)

**Recommended fitting, page:**

Ground joint seal ..... 64-65



↔		↔		⌚		⤴		⌋	⬛	
mm	inch	mm	inch	bar	psi	mm	inch	%	kg/m	lb/ft
13	1/2	25	0,98	18	270	130	5,00		0,470	0,320
19	3/4	33	1,30	18	270	190	7,50		0,870	0,585
25	1	40	1,57	18	270	250	10,00		0,990	0,670
32	1 1/4	48	1,89	18	270	320	12,50		1,470	0,990
38	1 1/2	54	2,13	18	270	380	15,00		1,600	1,080
51	2	69	2,72	18	270	510	20,00		2,290	1,540

**341AA**

**Steam 18 bar (270 psi) - CIIR steel braided**

**Tube:** Black conductive chlorobutyl  
**Reinforcement:** High tensile steel wire braids  
**Cover:** Black conductive EPDM - heat, abrasion and ozone resistant - pin pricked  
**Use:** Saturated and superheated steam  
**Safety factor:** 10:1  
**Temperature:** -40 °C +210 °C (-40 °F +410 °F) intermittent to 232 °C (450 °F)

**Recommended fitting, page:**  
 Ground joint seal ..... 64-65



↔		↔		⏚		⤴		⌋⌋		⚖	
mm	inch	mm	inch	bar	psi	mm	inch	%	kg/m	lb/ft	
19	3/4	31	1,22	18	270	190	7,50		0,780	0,525	
25	1	38	1,50	18	270	250	10,00		0,920	0,620	
32	1 1/4	46	1,81	18	270	320	12,50		1,320	0,890	
38	1 1/2	52	2,05	18	270	380	15,00		1,430	0,965	
51	2	67	2,64	18	270	510	20,00		2,150	1,445	

**341AH**

**Steam 18 bar (270 psi) - CIIR steel braided**

**Tube:** Black conductive chlorobutyl  
**Reinforcement:** High tensile steel wire braids  
**Cover:** Red EPDM - heat, abrasion and ozone resistant - pin pricked  
**Use:** Saturated and superheated steam  
**Safety factor:** 10:1  
**Temperature:** -40 °C +210 °C (-40 °F +410 °F) intermittent to 232 °C (450 °F)

**Recommended fitting, page:**  
 Ground joint seal ..... 64-65



↔		↔		⏚		⤴		⌋⌋		⚖	
mm	inch	mm	inch	bar	psi	mm	inch	%	kg/m	lb/ft	
19	3/4	31	1,22	18	270	190	7,50		0,790	0,535	
25	1	38	1,50	18	270	250	10,00		0,930	0,625	
32	1 1/4	46	1,81	18	270	320	12,50		1,340	0,905	
38	1 1/2	52	2,05	18	270	380	15,00		1,460	0,985	
51	2	67	2,64	18	270	510	20,00		2,130	1,435	

**345AH**

**Steam 18 bar (270 psi) - CIIR steel braided EN ISO 6134/2A**

**Tube:** Black conductive chlorobutyl  
**Reinforcement:** High tensile steel wire braids  
**Cover:** Red EPDM - heat, abrasion and ozone resistant - pin pricked  
**Use:** Saturated and superheated steam  
**Safety factor:** 10:1  
**Temperature:** -40 °C +210 °C (-40 °F +410 °F) intermittent to 232 °C (450 °F)

**Recommended fitting, page:**  
 Ground joint seal ..... 64-65



↔		↔		⏚		⤴		⌋⌋		⚖	
mm	inch	mm	inch	bar	psi	mm	inch	%	kg/m	lb/ft	
13	1/2	25	0,98	18	270	130	5,00		0,490	0,330	
19	3/4	33	1,30	18	270	190	7,50		0,890	0,600	
25	1	40	1,57	18	270	250	10,00		1,050	0,710	
51	2	69	2,72	18	270	510	20,00		2,300	1,150	



# ACID, CHEMICAL & MULTIPURPOSE

- **529AA** Acid-chemical S&D 16 bar (232 psi) – UHMWPE EN 12115..... 44
- **509OE** Acid-chemical S&D 16 bar (240 psi) – UHMWPE FDA ..... 44
- **519OE** Acid-chemical S&D 16 bar (240 psi) – UHMWPE FDA ..... 44
- **953AE** General purpose 20 bar (300 psi) – EPDM..... 45
- **954AH** Multipurpose 20 bar (300 psi) - non conductive..... 45
- **15NAK** Nitrogen 20 bar (300 psi) - heavy duty..... 45



## 529AA

### Acid-chemical S&D 16 bar (240 psi) - UHMWPE EN 12115



**Tube:** Black conductive UHMWPE (Ultra High Molecular Weight Polyethylene)

**Reinforcement:** High tensile textile cords with embedded steel helix wire - antistatic wire

**Cover:** Black conductive EPDM - abrasion, ozone and fire resistant

**Use:** Acid and chemical suction and delivery. Suitable for 98% of existing chemicals

**Safety factor:** 4:1

**Temperature:** -30 °C +100 °C (-22 °F +212 °F)

**Recommended fitting, page:**

Refer to hydraulic catalogue

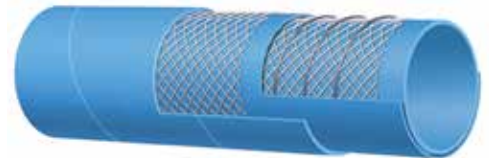
Insert with flange PN 16 - ASA 150..... 75-76

Stainless Steel version available on request

↔		↔		⊥	⌒	⌒	⌒	⌒	⌒	
mm	inch	mm	inch	bar	psi	mm	inch	%	kg/m	lb/ft
19	3/4	31	1,22	16	240	188	7,50	90	0,680	0,460
25	1	37	1,46	16	240	225	9,00	90	0,830	0,560
32	1 1/4	44	1,73	16	240	263	10,25	90	1,010	0,680
38	1 1/2	51	2,01	16	240	338	13,25	90	1,160	0,780
50	2	66	2,60	16	240	413	16,25	90	1,820	1,225
51	2	67	2,64	16	240	413	16,25	90	1,850	1,245
75	3	91	3,58	16	240	525	20,75	80	2,880	1,940
76	3	92	3,62	16	240	525	20,75	80	2,910	1,960
100	4	116	4,57	16	240	675	26,50	80	3,870	2,605
102	4	118	4,65	16	240	675	26,50	80	3,930	2,645

## 5090E

### Acid-chemical S&D 16 bar (240 psi) - UHMWPE FDA



**Tube:** Transparent UHMWPE (Ultra High Molecular Weight Polyethylene)

**Reinforcement:** High tensile textile cords with embedded steel helix wire

**Cover:** Blue EPDM - abrasion and ozone resistant

**Use:** Acid and chemical suction and delivery. Suitable for 98% of existing chemicals.

**Safety factor:** 3:1

**Temperature:** -20 °C +65 °C (-4 °F +150 °F)

**Recommended fitting, page:**

Refer to hydraulic catalogue

Insert with flange PN 16 - ASA 150..... 75-76

Stainless Steel version available on request

↔		↔		⊥	⌒	⌒	⌒	⌒	⌒	
mm	inch	mm	inch	bar	psi	mm	inch	%	kg/m	lb/ft
19	3/4	31	1,22	16	240	188	7,50	90	0,600	0,405
25	1	37	1,46	16	240	225	9,00	90	0,730	0,495
32	1 1/4	44	1,73	16	240	263	10,25	90	0,880	0,595
38	1 1/2	50	1,97	16	240	338	13,25	90	1,010	0,680
40	1 9/16	52	2,05	16	240	338	13,25	90	1,060	0,715
51	2	63	2,48	16	240	413	16,25	90	1,340	0,905
63	2 1/2	77	3,03	16	240	450	17,50	90	2,090	1,405
76	3	92	3,62	16	240	525	20,75	80	2,840	1,910
102	4	118	4,65	16	240	675	26,50	80	3,870	2,605

## 5190E

### Acid-chemical S&D 16 bar (240 psi) - UHMWPE corrugated - FDA



**Tube:** Transparent UHMWPE (Ultra High Molecular Weight Polyethylene)

**Reinforcement:** High tensile textile cords with embedded steel helix wire

**Cover:** Blue EPDM - abrasion and ozone resistant

**Use:** Acid and chemical suction and delivery. Suitable for 98% of existing chemicals.

Special construction for maximum flexibility

**Safety factor:** 3:1

**Temperature:** -30 °C +100 °C (-22 °F +212 °F)

↔		↔		⊥	⌒	⌒	⌒	⌒	⌒	
mm	inch	mm	inch	bar	psi	mm	inch	%	kg/m	lb/ft
51	2			16	240	153	6,00		1,390	0,935
76	3			16	240	228	9,00		2,500	1,685
102	4			16	240	306	12,00		4,090	2,750

**953AE**

**General purpose 20 bar (300 psi) - EPDM**

**Tube:** Black EPDM

**Reinforcement:** High tensile textile cords

**Cover:** Blue EPDM - abrasion and ozone resistant

**Use:** Air, water and mild chemicals delivery

**Safety factor:** 4:1

**Temperature:** -30 °C +80 °C (-22 °F +176 °F)

**Recommended fitting, page:**

Refer to hydraulic catalogue

Combination nipple with pre-crimped ferrule.....72



↔		↔		⌚		⤴		⌋	⌚	
mm	inch	mm	inch	bar	psi	mm	inch	%	kg/m	lb/ft
13	1/2	23	0,91	20	300				0,350	0,235
19	3/4	31	1,22	20	300				0,580	0,390
25	1	37	1,46	20	300				0,730	0,495
38	1 1/2	52	2,05	20	300				1,070	0,720
51	2	67	2,64	20	300				1,880	1,265
76	3	94	3,70	20	300				2,800	1,885

**954AH**

**Multipurpose 20 bar (300 psi) non conductive**

**Tube:** Black non conductive NBR

**Reinforcement:** High tensile textile cords

**Cover:** Red NBR/PVC - abrasion, ozone and hydrocarbon resistant

**Use:** Premium quality compressed air, water, fuel and oil delivery in general industrial applications

**Safety factor:** 3:1

**Temperature:** -30 °C +80 °C (-22 °F +176 °F)

**Recommended fitting, page:**

Refer to hydraulic catalogue



↔		↔		⌚		⤴		⌋	⌚	
mm	inch	mm	inch	bar	psi	mm	inch	%	kg/m	lb/ft
32	1 1/4	44	1,73	20	300				0,990	0,670
38	1 1/2	50	1,97	20	300				1,150	0,775
51	2	65	2,56	20	300				1,510	1,015

**15NAK**

**Nitrogen 20 bar (300 psi) - heavy duty**

**Tube:** Black SBR/NBR - oil mist resistant

**Reinforcement:** High tensile textile cords

**Cover:** Yellow SBR - abrasion and ozone resistant. Pin-pricked

**Use:** Specially designed for delivery of nitrogen and inert gases in heavy duty applications

**Safety factor:** <= 51 mm 3:1 >=63 mm 2,5:1

**Temperature:** -30 °C +80 °C (-22 °F +176 °F)

**Recommended fitting, page:**

Refer to hydraulic catalogue - NPTF Male



↔		↔		⌚		⤴		⌋	⌚	
mm	inch	mm	inch	bar	psi	mm	inch	%	kg/m	lb/ft
19	3/4	29	1,14	20	300				0,560	0,380
25	1	35	1,38	20	300				0,700	0,475
32	1 1/4	44	1,73	20	300				0,890	0,600
38	1 1/2	50	1,97	20	300				1,040	0,700



# UMBILICAL

• UMBILICAL.....48





## UMBILICAL

Custom-made bundle of hoses and/or electrical cables

### Applications:

- Subsea diving
- Oil well intervention
- Land control BOP

Cover: Polyurethane or PVC



# SEISMIC

- **250AK** Seismic 5 bar (75 psi)..... 50
- **25SAH** Seismic extra 10 bar (150 psi) ..... 50
- **OFF SHORE - ROV OPERATION** 350 bar (5000 psi) ..... 51
- **R8 MARINE** 140 to 420 bar (2000 to 6000 psi) ..... 51



## 250AK

### Seismic 5 bar (75 psi)

**Tube:** Black EPDM

**Reinforcement:** High tensile textile cords

**Cover:** Yellow EPDM with silver stripes - abrasion and ozone resistant

**Use:** Flotation buoy in seismic monitoring operations

**Safety factor:** 3:1

**Temperature:** -30 °C +80 °C (-22 °F +176 °F)



mm	inch	mm	inch	bar	psi	mm	inch	%	kg/m	lb/ft
305	12	317	12,50	5	75				7,810	5,250
457	18	477	19,00	5	75				16,815	11,283

## 25SAH

### Seismic extra 10 bar (150 psi)

**Tube:** Black EPDM

**Reinforcement:** High tensile textile cords

**Cover:** Red EPDM - abrasion and sea-water resistant

**Use:** Cable protection in seismic operations

**Safety factor:** 3:1

**Temperature:** -30 °C +80 °C (-22 °F +176 °F)



mm	inch	mm	inch	bar	psi	mm	inch	%	kg/m	lb/ft
102		136	5,35	10	150				6,750	4,540
127		161	6,34	10	150				8,390	5,640
152		188	7,40	10	150				11,240	7,555

**OFF SHORE - ROV OPERATION**

**Marine high pressure hydraulic  
350 bar (5000 psi)**

**Tube:** Oil and biodegradable hydraulic fluid resistant polyamide 11 methanol washed

**Reinforcement:** High tensile aramid reinforcement

**Cover:** Oil, water and ozone resistant polyurethane, non-pin-pricked

**Use:** Marine and off-shore equipment, ROVs (remotely operated vehicles), BOP valves. Suitable for off-shore seismic monitoring operations.

Manufactured according to API 17E / ISO 13628-5

**Safety factor:** 4:1

**Temperature:** -40 °C to +100 °C (-40 °F to +212 °F) limited to +70 °C (+158 °F) for air and water based fluids

**Recommended fittings:**

AISI 316 SS: NPTF male, JIC female and male



↔			↔		⌚		⌚		⌒		⬛	
Dash	mm	in	mm	in	MPa	psi	MPa	psi	mm	in	kg/m	lb/ft
-3	5	3/16	9,6	0,378	35,0	5000	140,0	20000	30	1,18	0,060	0,045
-4	6,5	1/4	12,1	0,476	35,0	5000	140,0	20000	50	1,97	0,090	0,065
-6	9,7	3/8	17,1	0,673	35,0	5000	140,0	20000	60	2,36	0,170	0,115
-8	13	1/2	21,9	0,862	35,0	5000	140,0	20000	80	3,15	0,250	0,170
-12	19,5	3/4	29,6	1,165	35,0	5000	140,0	20000	150	5,91	0,400	0,270
-16	25,9	1	38,9	1,531	35,0	5000	140,0	20000	200	7,87	0,630	0,425

Also available in the 3000 psi version

**R8 MARINE**

**Marine high pressure hydraulic  
from 140 to 420 bar (2000 to 6000 psi)**

**Tube:** Oil and biodegradable hydraulic fluid resistant polyester

**Reinforcement:** High tensile aramid reinforcement

**Cover:** Oil, water and ozone resistant polyurethane, pin-pricked

**Use:** Marine and off-shore equipment, cranes, marine, transport systems. Off-shore seismic monitoring operations. Also recommended for general on-shore equipment, in high humidity environment. Meets or exceeds SAE 100R8

**Safety factor:** 4:1

**Temperature:** -40 °C to +100 °C (-40 °F to +212 °F) limited to +70 °C (+158 °F) for air and water based fluids

**Recommended fittings:**

AISI 316 SS: NPTF male, JIC female and male



↔			↔		⌚		⌚		⌒		⬛	
Dash	mm	in	mm	in	MPa	psi	MPa	psi	mm	in	kg/m	lb/ft
-3	5	3/16	8,9	0,35	35,0	5000	140,0	20000	30	1,18	0,050	0,035
-4	6,5	1/4	11,5	0,453	35,0	5000	140,0	20000	50	1,97	0,080	0,055
-5	8,1	5/16	13,4	0,528	30,0	4300	120,0	17200	55	2,17	0,105	0,075
-6	9,7	3/8	15,5	0,61	28,0	4000	112,0	16000	60	2,36	0,130	0,090
-8	13	1/2	19,9	0,783	24,5	3500	98,0	14000	80	3,15	0,195	0,135
-10	16,3	5/8	23,4	0,921	20,0	2900	80,0	11600	125	4,92	0,245	0,165
-12	19,5	3/4	26,9	1,059	16,5	2300	66,0	9200	150	5,91	0,310	0,210
-16	25,9	1	34,2	1,346	14,0	2000	56,0	8000	200	7,87	0,425	0,290



# WATERBLAST

- WATERBLAST WB10..... 54
- WATERBLAST WB15..... 54
- WATERBLAST WB20..... 54



## WATERBLAST

**Tube:** Oil, biodegradable hydraulic fluid and water resistant synthetic rubber

**Reinforcement:** High tensile steel spirals

**Cover:** Oil, water and ozone resistant synthetic rubber

**Application:** High pressure water jetting

**Temperature:** -10°C +70°C (+14 °F +158 °F)

**Safety Factor:** 2.5:1



### Recommended fitting, page:

Waterblast Fitting .....84

### WATERBLAST WB10

↔			↔		⊕		⊖		⌒		⊞	
Dash	mm	in	mm	in	MPa	psi	MPa	psi	mm	in	kg/m	lb/ft
-8	13	1/2	23,0	0,91	70	10.000	175	25.000	90	3,54	0,75	0,51
-12	19	3/4	31,4	1,24	70	10.000	175	25.000	210	8,27	1,47	0,99
-16	25	1	37,8	1,49	70	10.000	175	25.000	250	9,84	1,03	1,37

### WATERBLAST WB15

↔			↔		⊕		⊖		⌒		⊞	
Dash	mm	in	mm	in	MPa	psi	MPa	psi	mm	in	kg/m	lb/ft
-06	10	3/8	21,4	0,84	110	16.000	275	40.000	150	6	0,85	0,57
-08	13	1/2	25,4	1,00	110	16.000	275	40.000	200	8	1,26	0,85
-12	19	3/4	31,8	1,25	100	14.500	250	36.250	280	11	1,78	1,20

### WATERBLAST WB20

↔			↔		⊕		⊖		⌒		⊞	
Dash	mm	in	mm	in	MPa	psi	MPa	psi	mm	in	kg/m	lb/ft
-08	13	1/2	29,5	1,16	140	20.000	350	50.000	200	8	1,75	1,18

# HYDRAULIC HOSE

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## FLEXOPAK 2 - MINETUFF

ISO 11237 - SAE 100 R16S

EN 857 2SC (up to 1")

**Tube:** Oil and biodegradable hydraulic fluid resistant synthetic rubber

**Reinforcement:** High tensile steel braids

**Cover:** Abrasion, ozone and hydrocarbon resistant synthetic rubber. MSHA APPROVED

**Application:** High pressure hydraulic lines. Also suitable for fuel oil, anti-freeze solutions, air and water

**Temperature:** -40 °C +100 °C (-40 °F +212 °F)

air max T = +70 °C (+160 °F)

**Length:** Random up to 1 1/4"

61 m (200 ft) from 1 1/2" to 3"



### Recommended fitting:

Refer to hydraulic or Alfacrimp One-Piece catalogue

Contact our offices for -40 and -48 connections.

Constr.	Item Code	Dash	↔		↔		⌚		⌚		⌒		⌚	
			mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
2B	1000146	-4	6	1/4	13,2	0,52	42	6000	168	24000	51	2	0,28	0,19
2B	1000174	-5	8	5/16	14,8	0,58	40	5800	160	23200	57	2,2	0,30	0,20
2B	1000147	-6	10	3/8	17,4	0,68	35	5000	140	20300	64	2,5	0,39	0,26
2B	1000171	-8	12	1/2	20,7	0,81	31	4500	124	17900	90	3,5	0,52	0,35
2B	1000104	-10	16	5/8	23,7	0,93	28	4100	112	16240	101	4	0,60	0,40
2B	1000172	-12	20	3/4	27,6	1,07	24	3500	96	14000	121	4,8	0,80	0,54
2B	1000173	-16	25	1	35,6	1,40	21	3000	84	12000	152	6	1,22	0,82
2B	1001533	-20	32	1.1/4	43,3	1,70	14,5	2100	58	8400	210	8,3	1,50	1,01
2B	1001728	-24	38	1 1/2	50,9	2,00	12,5	1800	50	7200	430	16,9	1,97	1,32
2B	1001729	-32	51	2	63,9	2,51	10	1450	40	5800	550	21,6	2,55	1,71
2B	1001945	-40	63	2 1/2	76,5	3,00	7,5	1100	30	4400	720	28,3	3,04	2,04
2B	1001994	-48	76	3	91,2	3,59	7	1000	28	4000	880	34,6	4,08	2,74

**AT5K - MINETUFF**

**1,000,000 impulse cycles\***

**Tube:** oil resistant synthetic rubber.

**Reinforcement:** six high tensile steel spirals (6S).

**Cover:** abrasion, ozone and hydrocarbon resistant synthetic rubber. MSHA APPROVED

**Application:** very high pressure hydraulic lines, fuel oil, antifreeze solutions, air and water.

**Constant operation:** -40 °C +121 °C (-40 °F +250 °F)

**Length:** 61 m (200 ft)



**Recommended fitting:**

Contact our offices for connections.

Item Code	Dash	↔		↔		⌚		⌚		⌒		📦	
		mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/C ft
1001538	-40	63	2 1/2	83,4	3,30	35	5000	140	20000	895	35,2	8,70	584

**AT6K - MINETUFF**

**1,000,000 cycles tested**

**Tube:** oil resistant synthetic rubber.

**Reinforcement:** six high tensile steel spirals (6S).

**Cover:** abrasion, ozone and hydrocarbon resistant synthetic rubber. MSHA APPROVED

**Application:** very high pressure hydraulic lines, fuel oil, antifreeze solutions, air and water.

**Constant operation:** -40 °C +121 °C (-40 °F +250 °F)

**Length:** 61 m (200 ft)



**Recommended fitting:**

Refer to hydraulic or Alfacrimp One-Piece catalogue

Item Code	Dash	↔		↔		⌚		⌚		⌒		📦	
		mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/C ft
1000344	-32	51	2	72,0	2,83	42	6000	168	24000	600	24,0	7,08	474

**AT7K - MINETUFF**

**1,000,000 cycles tested**

**Tube:** oil resistant synthetic rubber.

**Reinforcement:** six high tensile steel spirals (6S).

**Cover:** abrasion, ozone and hydrocarbon resistant synthetic rubber. MSHA APPROVED

**Application:** very high pressure hydraulic lines, fuel oil, antifreeze solutions, air and water.

**Constant operation:** -40 °C +121 °C (-40 °F +250 °F)

**Length:** 61 m (200 ft)



**Recommended fitting:**

Refer to hydraulic or Alfacrimp One-Piece catalogue

Item Code	Dash	↔		↔		⌚		⌚		⌒		📦	
		mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/C ft
1001783	-20	32	1 1/4	50,4	1,98	52,5	7500	210	30000	420	16,5	3,59	241
1001544	-24	38	1 1/2	57,3	2,26	49	7000	196	28000	500	19,7	5,10	342

## ALFABIOTECH 2000 - MINETUFF

### ISO 18752

**Tube:** oil resistant synthetic rubber and biodegradable hydraulic fluids

**Reinforcement:** four high tensile steel spirals (4S)

**Cover:** abrasion, ozone and hydrocarbon resistant synthetic rubber. MSHA APPROVED

**Application:** developed to withstand very demanding conditions very high performance in pressure, pulsing and flexing.

**Temperature:** -40 °C +121 °C (-40 °F +250 °F)

**Length:** 61 m from 1 1/4" to 2" - 30,5 m for 2 1/2"

**Recommended fitting:**

Contact our offices for connections.



Item code	Dash	↔		↔		⊕		⊕		⌒		⏺	
		mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
1002575	-40	63	2 1/2	79	3,11	14	2030	56	8120	720	28,35	4,63	3,11
1002576	-48	76	3	92,5	3,64	14	2030	56	8120	840	33,07	5,40	3,63

## ALFABIOTECH 3000 - MINETUFF

### ISO 18752

**Tube:** Oil and biodegradable hydraulic fluid resistant synthetic rubber

**Reinforcement:** High tensile steel spirals (4S/6S)

**Cover:** Abrasion, ozone and hydrocarbon resistant synthetic rubber. MSHA APPROVED.

**Application:** Very high pressure hydraulic lines. Also suitable for fuel oil, anti-freeze solutions, air and water. Special compact construction designed to operate at tight bend radius in demanding applications

**Temperature:** -40 °C +121 °C (-40 °F +250 °F)

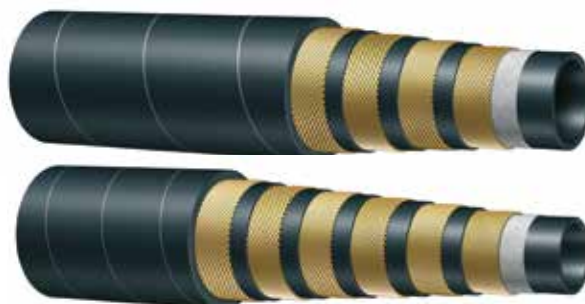
air max T = +70 °C (+160 °F)

**Length:** 61 m (200 ft)

**Recommended fitting:**

Refer to hydraulic or Alfacrimp One-Piece catalogue

Contact our offices for -40 and -48 connections.



Item code	Constr.	Dash	↔		↔		⊕		⊕		⌒		⏺	
			mm	in	mm	inch	Mpa	psi	Mpa	psi	mm	inch	kg/m	lb/ft
1001690	4S	-20	32	1 1/4	45,7	1,80	21	3000	84	12000	230	9,06	2,25	1,51
1002574	4S	-40	38	2 1/2	51,8	2,04	21	3045	84	12180	420	16,54	2,76	1,85
1002674	6S	-48	76	3	95,6	3,76	21	3045	84	12180	900	35,43	7,95	5,33

**ALFABIOTECH 4000 - MINETUFF**

**ISO 18752**

**Tube:** Oil and biodegradable hydraulic fluid resistant synthetic rubber  
**Reinforcement:** High tensile steel spirals (4S)  
**Cover:** Abrasion, ozone and hydrocarbon resistant synthetic rubber. MSHA APPROVED.  
**Application:** Very high pressure hydraulic lines. Also suitable for fuel oil, anti-freeze solutions, air and water. Special compact construction designed to operate at tight bend radius in demanding applications  
**Temperature:** -40 °C +121 °C (-40 °F +250 °F)  
 air max T = +70 °C (+160 °F)  
**Length:** Random up to 1" - 61 m (200 ft) from 1 1/4" to 2"

**Recommended fitting:**  
 Refer to hydraulic or Alfacrimp One-Piece catalogue



Item code	Dash	↔		↔		⌚		⌚		⌒		⬮	
		mm	in	mm	inch	Mpa	psi	Mpa	psi	mm	inch	kg/m	lb/ft
1001691	-12	20	3/4	29,5	1,16	28	4000	112	16000	120	4,72	1,23	0,83
1001692	-16	25	1	37,5	1,48	28	4000	112	16000	150	5,91	1,60	1,07
1002484	-20	32	1 1/4	45,5	1,79	28	4000	112	16000	260	10,24	2,25	1,51
1002502	-24	38	1 1/2	51,8	2,04	29	4140	112	16000	420	16,54	2,86	1,92
1002483	-32	51	2	66,8	2,63	28	4000	112	16000	530	20,87	4,47	3,00

**ALFABIOTECH 5000 - MINETUFF**

**ISO 18752**

**Tube:** Oil and biodegradable hydraulic fluid resistant synthetic rubber  
**Reinforcement:** High tensile steel spirals (4S/6S)  
**Cover:** Abrasion, ozone and hydrocarbon resistant synthetic rubber. MSHA APPROVED.  
**Application:** Very high pressure hydraulic lines. Also suitable for fuel oil, anti-freeze solutions, air and water. Special compact construction designed to operate at tight bend radius in demanding applications  
**Temperature:** -40 °C +121 °C (-40 °F +250 °F)  
 air max T = +70 °C (+160 °F)  
**Length:** Random up to 1" - 61 m (200 ft) from 1 1/4" to 2 1/2"

**Recommended fitting:**  
 Refer to hydraulic or Alfacrimp One-Piece catalogue  
 Contact our offices for -40 and -48 connections.



Item code	Constr.	Dash	↔		↔		⌚		⌚		⌒		⬮	
			mm	in	mm	inch	Mpa	psi	Mpa	psi	mm	inch	kg/m	lb/ft
1001693	4S	-10	16	5/8	25,9	1,02	35	5000	140	20000	140	5,51	0,87	0,58
1001694	4S	-12	20	3/4	31,0	1,22	35	5000	140	20000	150	5,90	1,23	0,83
1001695	4S	-16	25	1	37,8	1,49	35	5000	140	20000	180	7,09	1,68	1,13
1001696	4S	-20	32	1 1/4	44,4	1,75	35	5000	140	20000	280	11,02	2,27	1,52
1001780	6S	-24	38	1 1/2	56,5	2,22	35	5000	140	20000	500	19,69	4,48	3,01
1001779	6S	-32	51	2	70,2	2,76	35	5000	140	20000	550	21,65	6,26	4,20
1002675	6S	-48	76	3	95,6	3,76	35	5000	87,5*	12687	900	35,43	7,95	5,33

## ALFABIOTECH 5000 PLUS - MINETUFF

### ISO 18752

**Tube:** Oil and biodegradable hydraulic fluid resistant synthetic rubber

**Reinforcement:** High tensile steel spirals (4S)

**Cover:** Abrasion, ozone and hydrocarbon resistant synthetic rubber. MSHA APPROVED.

**Application:** Very high pressure hydraulic lines. Also suitable for fuel oil, anti-freeze solutions, air and water. Special compact construction designed to operate at tight bend radius in demanding applications

**Temperature:** -40 °C +121 °C (-40 °F +250 °F)

air max T = +70 °C (+160 °F)

**Length:** Random

#### Recommended fitting:

Refer to hydraulic or Alfacrimp One-Piece catalogue



Item code	↔			↔		⌚		⌚		⌒		⏺	
	Dash	mm	in	mm	inch	Mpa	psi	Mpa	psi	mm	inch	kg/m	lb/ft
1001712	-12	20	3/4	32,0	1,26	38	5500	152	22000	180	7,09	1,228	0,82
1001713	-16	25	1	38,2	1,50	38	5500	152	22000	210	8,27	1,934	1,30

## ALFABIOTECH 6000 - MINETUFF

### ISO 18752

**Tube:** Oil and biodegradable hydraulic fluid resistant synthetic rubber

**Reinforcement:** High tensile steel spirals (4S/6S)

**Cover:** Abrasion, ozone and hydrocarbon resistant synthetic rubber. MSHA APPROVED.

**Application:** Very high pressure hydraulic lines. Also suitable for fuel oil, anti-freeze solutions, air and water. Special compact construction designed to operate at tight bend radius in demanding applications

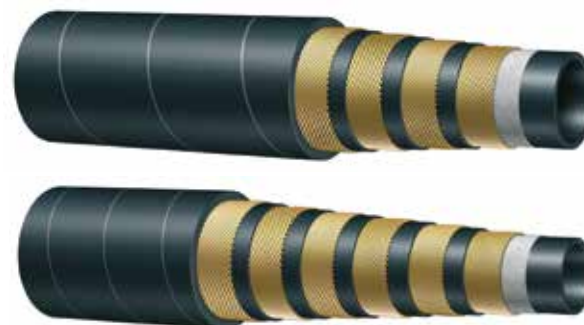
**Temperature:** -40 °C +121 °C (-40 °F +250 °F)

air max T = +70 °C (+160 °F)

**Length:** Random up to 1" - 61 m (200 ft) from 1 1/4" to 2"

#### Recommended fitting:

Refer to hydraulic or Alfacrimp One-Piece catalogue



Item code	Constr.	↔			↔		⌚		⌚		⌒		⏺	
		Dash	mm	in	mm	inch	Mpa	psi	Mpa	psi	mm	inch	kg/m	lb/ft
1001697	4S	-4	6	1/4	16,9	0,67	45	6525	180	26100	60	2,36	0,47	0,32
1001698	4S	-6	10	3/8	19,9	0,78	44,5	6450	178	25800	75	2,95	0,55	0,37
1001699	4S	-8	12	1/2	23,0	0,91	42	6000	168	24000	90	3,54	0,75	0,50
1001700	4S	-10	16	5/8	28,0	1,10	42	6000	168	24000	180	7,09	1,19	0,80
1001701	4S	-12	20	3/4	31,2	1,23	42	6000	168	24000	210	8,27	1,47	0,99
1001702	4S	-16	25	1	37,8	1,49	42	6000	168	24000	280	11,02	2,03	1,36
1002487	4S	-20	32	1 1/4	46,1	1,81	42	6000	168	24000	445	17,52	2,92	1,96
1002485	6S	-20	32	1 1/4	49,4	1,94	42	6000	168	24000	445	17,52	3,47	2,33
1002486	6S	-24	38	1 1/2	56,5	2,22	42	6000	168	24000	560	22,05	4,48	3,01

# INDUSTRIAL FITTINGS

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## TYPE B CLAW COUPLING (U.S. TYPE)

Hose shank - Gasket Included



Item Code	Part Number	Hose ID in	Hose ID mm	Claw Distance Internal mm	Claw Distance External mm	Material	Note
2303335	I919K300-010041	3/8	10	41	62	MALLEABLE IRON	
2302919	I919K300-013041	1/2	13	41	62	MALLEABLE IRON	
2302920	I919K300-019041	3/4	19	41	62	MALLEABLE IRON	
2302921	I919K300-025041	1	25	41	62	MALLEABLE IRON	
2303366	I919K300-032041	1 1/4	32	41	62	MALLEABLE IRON	4 LUG TYPE
2303367	I919K300-038041	1 1/2	38	41	62	MALLEABLE IRON	4 LUG TYPE
2303368	I919K300-051041	2	51	41	62	MALLEABLE IRON	4 LUG TYPE
2306780	I319K300-013041	1/2	13	41	62	S/S 316	
2306781	I319K300-019041	3/4	19	41	62	S/S 316	
2306782	I319K300-025041	1	25	41	62	S/S 316	

TO ASSEMBLE THE INSERT USE CLAW CLAMP OR CRIMPING RING

## TYPE B CLAW COUPLING (U.S. TYPE)

Male NPT - Gasket Included



Item Code	Part Number	Thread in	Thread type	Claw Distance Internal mm	Claw Distance External mm	Material
2303344	I9A9K228-041013	1/4	NPT	41	62	MALLEABLE IRON
2303345	I9A9K228-041017	3/8	NPT	41	62	MALLEABLE IRON
2302922	I9A9K228-041021	1/2	NPT	41	62	MALLEABLE IRON
2302923	I9A9K228-041027	3/4	NPT	41	62	MALLEABLE IRON
2302924	I9A9K228-041034	1	NPT	41	62	MALLEABLE IRON
2306784	I3A9K228-041021	1/2	NPT	41	62	S/S 316
2306785	I3A9K228-041027	3/4	NPT	41	62	S/S 316
2306786	I3A9K228-041034	1	NPT	41	62	S/S 316

## TYPE B CLAW COUPLING (U.S. TYPE)

Female NPT - Gasket Included



Item Code	Part Number	Thread in	Thread type	Claw Distance Internal mm	Claw Distance External mm	Material	Note
2303354	I9A9K328-041013	1/4	NPT	41	62	MALLEABLE IRON	
2303355	I9A9K328-041017	3/8	NPT	41	62	MALLEABLE IRON	
2302925	I9A9K328-041021	1/2	NPT	41	62	MALLEABLE IRON	
2302926	I9A9K328-041027	3/4	NPT	41	62	MALLEABLE IRON	
2302927	I9A9K328-041034	1	NPT	41	62	MALLEABLE IRON	
2303372	I9A9K328-041042	1 1/4	NPT	41	62	MALLEABLE IRON	4 LUG TYPE
2303373	I9A9K328-041049	1 1/2	NPT	41	62	MALLEABLE IRON	4 LUG TYPE
2303374	I9A9K328-041060	2	NPT	41	62	MALLEABLE IRON	4 LUG TYPE
2306787	I3A9K328-041021	1/2	NPT	41	62	S/S 316	
2306788	I3A9K328-041027	3/4	NPT	41	62	S/S 316	
2306789	I3A9K328-041034	1	NPT	41	62	S/S 316	

**TYPE B CLAW COUPLING (U.S. TYPE)**

Blank cap



Item Code	Part Number	Claw Distance Internal mm	Claw Distance External mm	Material
2303362	I9A9K400-041000	41	62	MALLEABLE IRON
2306790	I3A9K400-041000	41	62	S/S 316

**TYPE B CLAW COUPLING (U.S. TYPE)**

Safety pin



Item Code	Part Number	Material
2303232	I1YC4001	PLATED STEEL

**TYPE B CLAW COUPLING (U.S. TYPE)**

Claw clamps



Item Code	Part Number	Hose ID in	Hose ID mm	Hose OD min mm	Hose OD max mm	Material
2302928	I9LG2B-013028	1/2	13	25,0	30,0	MALLEABLE IRON
2302929	I9LG2B-019031	3/4	19	30,0	33,0	MALLEABLE IRON
2302930	I9LG2B-025042	1	25	35,0	45,0	MALLEABLE IRON

**CRIMPING RING**



Item Code	Part Number	Hose ID mm	Ring ID mm	Ring OD mm	Ring L mm	Material
2303033	R5YBFF0-0242020	13	24	28	20	ALUMINIUM
2303034	R5YBFF0-0312020	19	31	35	20	ALUMINIUM
2303035	R5YBFF0-0402520	25	40	45	20	ALUMINIUM
2306680	R5YBFF0-0552530	45	55	60	30	ALUMINIUM
2304550	R5YBFF0-0602535	45	60	65	35	ALUMINIUM
2304551	R5YBFF0-0902540	70-76	90	95	40	ALUMINIUM
2303040	R5YBFF0-1102560	90	110	115	60	ALUMINIUM
2304552	R5YBFF0-1252580	102-105-110	125	130	80	ALUMINIUM

**TYPE B CLAW COUPLING (U.S. TYPE)**

Hose shank with Precrimped ferrule - Gasket Included



Item Code	Part Number	Hose ID in	Hose ID mm	Claw Distance Internal mm	Claw Distance External mm	Hose OD min-MAX mm	Material
2306783	I319KL00-019041	3/4	19	41	62	26,9 - 34,1	S/S 316



## GROUND JOINT SEAL

Complete coupling BSP



Item Code	Part Number	Hose ID in	Hose ID mm	Thread in	Thread Type	Material
2302966	I918B206-013021	1/2	13	1/2	BSP	MALLEABLE IRON
2302967	I918B206-019027	3/4	19	3/4	BSP	MALLEABLE IRON
2302968	I918B206-025034	1	25	1	BSP	MALLEABLE IRON
2302969	I918B206-032042	1 1/4	32	1 1/4	BSP	MALLEABLE IRON
2302970	I918B206-038049	1 1/2	38	1 1/2	BSP	MALLEABLE IRON
2302971	I918B206-051060	2	51	2	BSP	MALLEABLE IRON
2302972	I918B206-063076	2 1/2	63	2 1/2	BSP	MALLEABLE IRON
2302973	I918B206-076090	3	76	3	BSP	MALLEABLE IRON
2302974	I918B206-102114	4	102	4	BSP	MALLEABLE IRON

## GROUND JOINT SEAL

Complete coupling NPT



Item Code	Part Number	Hose ID in	Hose ID mm	Thread in	Thread Type	Material
2303386	I918B228-013021	1/2	13	1/2	NPT	MALLEABLE IRON
2303387	I918B228-019027	3/4	19	3/4	NPT	MALLEABLE IRON
2303388	I918B228-025034	1	25	1	NPT	MALLEABLE IRON
2303389	I918B228-032042	1 1/4	32	1 1/4	NPT	MALLEABLE IRON
2303390	I918B228-038049	1 1/2	38	1 1/2	NPT	MALLEABLE IRON
2303391	I918B228-051060	2	51	2	NPT	MALLEABLE IRON
2303392	I918B228-063076	2 1/2	63	2 1/2	NPT	MALLEABLE IRON
2303393	I918B228-076090	3	76	3	NPT	MALLEABLE IRON
2303394	I918B228-102114	4	102	4	NPT	MALLEABLE IRON

## GROUND JOINT SEAL

Male BSP - Hose shank



Item Code	Part Number	Hose ID in	Hose ID mm	Thread in	Thread Type	Material
2302983	I118B107-013021	1/2	13	1/2	BSP	PLATED STEEL
2302984	I118B107-019027	3/4	19	3/4	BSP	PLATED STEEL
2302985	I118B107-025034	1	25	1	BSP	PLATED STEEL
2302986	I918B107-032042	1 1/4	32	1 1/4	BSP	MALLEABLE IRON
2302987	I918B107-038049	1 1/2	38	1 1/2	BSP	MALLEABLE IRON
2302988	I918B107-051060	2	51	2	BSP	MALLEABLE IRON
2302989	I918B107-063076	2 1/2	63	2 1/2	BSP	MALLEABLE IRON
2302990	I918B107-076090	3	76	3	BSP	MALLEABLE IRON
2302991	I918B107-102114	4	102	4	BSP	MALLEABLE IRON

## GROUND JOINT SEAL

Male NPT - Hose shank



Item Code	Part Number	Hose ID in	Hose ID mm	Thread in	Thread Type	Material
2303428	I918B128-013021	1/2	13	1/2	NPT	MALLEABLE IRON
2303429	I918B128-019027	3/4	19	3/4	NPT	MALLEABLE IRON
2303430	I918B128-025034	1	25	1	NPT	MALLEABLE IRON
2303431	I918B128-032042	1 1/4	32	1 1/4	NPT	MALLEABLE IRON
2303432	I918B128-038049	1 1/2	38	1 1/2	NPT	MALLEABLE IRON
2303433	I918B128-051060	2	51	2	NPT	MALLEABLE IRON
2303434	I918B128-063076	2 1/2	63	2 1/2	NPT	MALLEABLE IRON
2303435	I918B128-076090	3	76	3	NPT	MALLEABLE IRON
2303436	I918B128-102114	4	102	4	NPT	MALLEABLE IRON

**GROUND JOINT SEAL**

Clamps - 2 Bolt - 2 Gripping finger type



Item Code	Part Number	Hose ID in	Hose ID mm	Hose OD Min mm	Hose OD Max mm	Material
2302992	I9LG2F-013026	1/2	13	24	27	MALLEABLE IRON
2302993	I9LG2F-019032	3/4	19	30	33	MALLEABLE IRON
2303440	I9LG2F-019036	3/4	19	33	38	MALLEABLE IRON

**GROUND JOINT SEAL**

Clamps - 4 Bolt - 2 Gripping finger type



Item Code	Part Number	Hose ID in	Hose ID mm	Hose OD Min mm	Hose OD Max mm	Material
2303443	I9LG4F-025038	1	25	35,5	40	MALLEABLE IRON
2302994	I9LG4F-025041	1	25	39	43,5	MALLEABLE IRON
2302995 <sup>■</sup>	I9LG4F-032046	1 1/4	32	43	47,5	MALLEABLE IRON
2302996	I9LG4F-038049	1 1/4	32	45	53	MALLEABLE IRON
2303448	I9LG4F-038060	1 1/2	38	55,5	60	MALLEABLE IRON
2302997	I9LG4F-051067	2	51	63	71	MALLEABLE IRON
	I9LG4F-063083	2 1/2	63	78,5	87,5	MALLEABLE IRON
2302998	I9LG4F-076094	3	76	89	100	MALLEABLE IRON

■ 4 GRIPPING FINGER

**GROUND JOINT SEAL**

Clamps - 6 Bolt - 3 Gripping finger type



Item Code	Part Number	Hose ID in	Hose ID mm	Hose OD Min mm	Hose OD Max mm	Material
2302999	I9LG6F-102123	4	102	117,5	127	MALLEABLE IRON
	I9LG6F-102142	4	102	133,5	142	MALLEABLE IRON

## CAM & GROOVE MIL C - 27.487

Type A - Adapter, female BSP



Item Code	Part Number	Thread in	Thread type	Head DN in	Head DN mm	Material
2303234	I5A9C606-013021	1/2	BSP	1/2	13	ALUMINIUM
2301830	I5A9C606-019027	3/4	BSP	3/4	19	ALUMINIUM
2300182	I5A9C606-025034	1	BSP	1	25	ALUMINIUM
2300183	I5A9C606-032042	1 1/4	BSP	1 1/4	32	ALUMINIUM
2301831	I5A9C606-038049	1 1/2	BSP	1 1/2	38	ALUMINIUM
2301832	I5A9C606-051060	2	BSP	2	51	ALUMINIUM
2301833	I5A9C606-063076	2 1/2	BSP	2 1/2	63	ALUMINIUM
2301834	I5A9C606-076090	3	BSP	3	76	ALUMINIUM
2301835	I5A9C606-102114	4	BSP	4	102	ALUMINIUM
2302706	I5A9C606-127140	5	BSP	5	127	ALUMINIUM
2301836	I5A9C606-152165	6	BSP	6	152	ALUMINIUM



Item Code	Part Number	Thread in	Thread type	Head DN in	Head DN mm	Material
2303236	I3A9C606-013021	1/2	BSP	1/2	13	S/S 316
2301837	I3A9C606-019027	3/4	BSP	3/4	19	S/S 316
2300148	I3A9C606-025034	1	BSP	1	25	S/S 316
2300149	I3A9C606-032042	1 1/4	BSP	1 1/4	32	S/S 316
2301838	I3A9C606-038049	1 1/2	BSP	1 1/2	38	S/S 316
2301839	I3A9C606-051060	2	BSP	2	51	S/S 316
2301840	I3A9C606-063076	2 1/2	BSP	2 1/2	63	S/S 316
2302602	I3A9C606-076090	3	BSP	3	76	S/S 316
2302603	I3A9C606-102114	4	BSP	4	102	S/S 316
2302604	I3A9C606-152165	6	BSP	6	152	S/S 316



Item Code	Part Number	Thread in	Thread type	Head DN in	Head DN mm	Material
2303235	I8A9C606-013021	1/2	BSP	1/2	13	BRASS
2301841	I8A9C606-019027	3/4	BSP	3/4	19	BRASS
2301842	I8A9C606-025034	1	BSP	1	25	BRASS
2302789	I8A9C606-032042	1 1/4	BSP	1 1/4	32	BRASS
2302790	I8A9C606-038049	1 1/2	BSP	1 1/2	38	BRASS
2301843	I8A9C606-051060	2	BSP	2	51	BRASS
2301844	I8A9C606-063076	2 1/2	BSP	2 1/2	63	BRASS
2301845	I8A9C606-076090	3	BSP	3	76	BRASS
2301846	I8A9C606-102114	4	BSP	4	102	BRASS



Item Code	Part Number	Thread in	Thread type	Head DN in	Head DN mm	Material
2303259	IPA9C606-013021	1/2	BSP	1/2	13	PP
2303260	IPA9C606-019027	3/4	BSP	3/4	19	PP
2303261	IPA9C606-025034	1	BSP	1	25	PP
2303262	IPA9C606-032042	1 1/4	BSP	1 1/4	32	PP
2303263	IPA9C606-038049	1 1/2	BSP	1 1/2	38	PP
2303264	IPA9C606-051060	2	BSP	2	51	PP
2303266	IPA9C606-076090	3	BSP	3	76	PP
2303267	IPA9C606-102114	4	BSP	4	102	PP

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**Type A - Adapter, female NPT**



Item Code	Part Number	Thread in	Thread type	Head DN in	Head DN mm	Material
2303469	I5A9C628-013021	1/2	NPT	1/2	13	ALUMINIUM
2303470	I5A9C628-019027	3/4	NPT	3/4	19	ALUMINIUM
2303471	I5A9C628-025034	1	NPT	1	25	ALUMINIUM
2303472	I5A9C628-032042	1 1/4	NPT	1 1/4	32	ALUMINIUM
2303473	I5A9C628-038049	1 1/2	NPT	1 1/2	38	ALUMINIUM
2303474	I5A9C628-051060	2	NPT	2	51	ALUMINIUM
2303475	I5A9C628-063076	2 1/2	NPT	2 1/2	63	ALUMINIUM
2303476	I5A9C628-076090	3	NPT	3	76	ALUMINIUM
2303477	I5A9C628-102114	4	NPT	4	102	ALUMINIUM
2303478	I5A9C628-127140	5	NPT	5	127	ALUMINIUM
2303479	I5A9C628-152165	6	NPT	6	152	ALUMINIUM
2303480	I5A9C628-203219	8	NPT	8	203	ALUMINIUM



Item Code	Part Number	Thread in	Thread type	Head DN in	Head DN mm	Material
2303492	I3A9C628-013021	1/2	NPT	1/2	13	S/S 316
2303493	I3A9C628-019027	3/4	NPT	3/4	19	S/S 316
2303494	I3A9C628-025034	1	NPT	1	25	S/S 316
2303495	I3A9C628-032042	1 1/4	NPT	1 1/4	32	S/S 316
2303496	I3A9C628-038049	1 1/2	NPT	1 1/2	38	S/S 316
2303497	I3A9C628-051060	2	NPT	2	51	S/S 316
2303498	I3A9C628-063076	2 1/2	NPT	2 1/2	63	S/S 316
2303499	I3A9C628-076090	3	NPT	3	76	S/S 316
2303500	I3A9C628-102114	4	NPT	4	102	S/S 316
2303501	I3A9C628-127140	5	NPT	5	127	S/S 316
2303502	I3A9C628-152165	6	NPT	6	152	S/S 316
2303503	I3A9C628-203219	8	NPT	8	203	S/S 316



Item Code	Part Number	Thread in	Thread type	Head DN in	Head DN mm	Material
2303481	I8A9C628-013021	1/2	NPT	1/2	13	BRASS
2303482	I8A9C628-019027	3/4	NPT	3/4	19	BRASS
2303483	I8A9C628-025034	1	NPT	1	25	BRASS
2303484	I8A9C628-032042	1 1/4	NPT	1 1/4	32	BRASS
2303485	I8A9C628-038049	1 1/2	NPT	1 1/2	38	BRASS
2303486	I8A9C628-051060	2	NPT	2	51	BRASS
2303487	I8A9C628-063076	2 1/2	NPT	2 1/2	63	BRASS
2303488	I8A9C628-076090	3	NPT	3	76	BRASS
2303489	I8A9C628-102114	4	NPT	4	102	BRASS
2303490	I8A9C628-127140	5	NPT	5	127	BRASS
2303491	I8A9C628-152165	6	NPT	6	152	BRASS



Item Code	Part Number	Thread in	Thread type	Head DN in	Head DN mm	Material
2303504	IPA9C628-013021	1/2	NPT	1/2	13	PP
2303505	IPA9C628-019027	3/4	NPT	3/4	19	PP
2303506	IPA9C628-025034	1	NPT	1	25	PP
2303507	IPA9C628-032042	1 1/4	NPT	1 1/4	32	PP
2303508	IPA9C628-038049	1 1/2	NPT	1 1/2	38	PP
2303509	IPA9C628-051060	2	NPT	2	51	PP
2303511	IPA9C628-076090	3	NPT	3	76	PP
2303512	IPA9C628-102114	4	NPT	4	102	PP

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Type D - Coupler, female BSP



Item Code	Part Number	Thread in	Thread type	Head DN in	Head DN mm	Material
2303245	I5A9C806-013021	1/2	BSP	1/2	13	ALUMINIUM
2301876	I5A9C806-019027	3/4	BSP	3/4	19	ALUMINIUM
2300193	I5A9C806-025034	1	BSP	1	25	ALUMINIUM
2300194	I5A9C806-032042	1 1/4	BSP	1 1/4	32	ALUMINIUM
2301877	I5A9C806-038049	1 1/2	BSP	1 1/2	38	ALUMINIUM
2301878	I5A9C806-051060	2	BSP	2	51	ALUMINIUM
2301879	I5A9C806-063076	2 1/2	BSP	2 1/2	63	ALUMINIUM
2301880	I5A9C806-076090	3	BSP	3	76	ALUMINIUM
2301881	I5A9C806-102114	4	BSP	4	102	ALUMINIUM
2302711	I5A9C806-127140	5	BSP	5	127	ALUMINIUM
2301882	I5A9C806-152165	6	BSP	6	152	ALUMINIUM



Item Code	Part Number	Thread in	Thread type	Head DN in	Head DN mm	Material
2303247	I3A9C806-013021	1/2	BSP	1/2	13	S/S 316
2301883	I3A9C806-019027	3/4	BSP	3/4	19	S/S 316
2300155	I3A9C806-025034	1	BSP	1	25	S/S 316
2300156	I3A9C806-032042	1 1/4	BSP	1 1/4	32	S/S 316
2301884	I3A9C806-038049	1 1/2	BSP	1 1/2	38	S/S 316
2301885	I3A9C806-051060	2	BSP	2	51	S/S 316
2301886	I3A9C806-063076	2 1/2	BSP	2 1/2	63	S/S 316
2301887	I3A9C806-076090	3	BSP	3	76	S/S 316
2302224	I3A9C806-102114	4	BSP	4	102	S/S 316
2302611	I3A9C806-152165	6	BSP	6	152	S/S 316



Item Code	Part Number	Thread in	Thread type	Head DN in	Head DN mm	Material
2304806	I8A9C806-013021	1/2	BSP	1/2	13	BRASS
2301888	I8A9C806-019027	3/4	BSP	3/4	19	BRASS
2301889	I8A9C806-025034	1	BSP	1	25	BRASS
2301890	I8A9C806-032042	1 1/4	BSP	1 1/4	32	BRASS
2301891	I8A9C806-038049	1 1/2	BSP	1 1/2	38	BRASS
2301892	I8A9C806-051060	2	BSP	2	51	BRASS
2301893	I8A9C806-063076	2 1/2	BSP	2 1/2	63	BRASS
2301894	I8A9C806-076090	3	BSP	3	76	BRASS
2301895	I8A9C806-102114	4	BSP	4	102	BRASS



Item Code	Part Number	Thread in	Thread type	Head DN in	Head DN mm	Material
2303286	IPA9C806-013021	1/2	BSP	1/2	13	PP
2303287	IPA9C806-019027	1/4	BSP	1/4	19	PP
2303288	IPA9C806-025034	1	BSP	1	25	PP
2303289	IPA9C806-032042	1 1/4	BSP	1 1/4	32	PP
2303290	IPA9C806-038049	1 1/2	BSP	1 1/2	38	PP
2303291	IPA9C806-051060	2	BSP	2	51	PP
2303293	IPA9C806-076090	3	BSP	3	76	PP
2303294	IPA9C806-102114	4	BSP	4	102	PP

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Type D - Coupler, female NPT



Item Code	Part Number	Thread in	Thread type	Head DN in	Head DN mm	Material
2303626	I5A9C828-013021	1/2	NPT	1/2	13	ALUMINIUM
2303627	I5A9C828-019027	3/4	NPT	3/4	19	ALUMINIUM
2303628	I5A9C828-025034	1	NPT	1	25	ALUMINIUM
2303629	I5A9C828-032042	1 1/4	NPT	1 1/4	32	ALUMINIUM
2303630	I5A9C828-038049	1 1/2	NPT	1 1/2	38	ALUMINIUM
2303631	I5A9C828-051060	2	NPT	2	51	ALUMINIUM
2303632	I5A9C828-063076	2 1/2	NPT	2 1/2	63	ALUMINIUM
2303633	I5A9C828-076090	3	NPT	3	76	ALUMINIUM
2303634	I5A9C828-102114	4	NPT	4	102	ALUMINIUM
2303635	I5A9C828-127140	5	NPT	5	127	ALUMINIUM
2303636	I5A9C828-152165	6	NPT	6	152	ALUMINIUM
2303637	I5A9C828-203219	8	NPT	8	203	ALUMINIUM



Item Code	Part Number	Thread in	Thread type	Head DN in	Head DN mm	Material
2303649	I3A9C828-013021	1/2	NPT	1/2	13	S/S 316
2303650	I3A9C828-019027	3/4	NPT	3/4	19	S/S 316
2303651	I3A9C828-025034	1	NPT	1	25	S/S 316
2303652	I3A9C828-032042	1 1/4	NPT	1 1/4	32	S/S 316
2303653	I3A9C828-038049	1 1/2	NPT	1 1/2	38	S/S 316
2303654	I3A9C828-051060	2	NPT	2	51	S/S 316
2303655	I3A9C828-063076	2 1/2	NPT	2 1/2	63	S/S 316
2303656	I3A9C828-076090	3	NPT	3	76	S/S 316
2303657	I3A9C828-102114	4	NPT	4	102	S/S 316
2303658	I3A9C828-127140	5	NPT	5	127	S/S 316
2303659	I3A9C828-152165	6	NPT	6	152	S/S 316



Item Code	Part Number	Thread in	Thread type	Head DN in	Head DN mm	Material
2303638	I8A9C828-013021	1/2	NPT	1/2	13	BRASS
2303639	I8A9C828-019027	3/4	NPT	3/4	19	BRASS
2303640	I8A9C828-025034	1	NPT	1	25	BRASS
2303641	I8A9C828-032042	1 1/4	NPT	1 1/4	32	BRASS
2303642	I8A9C828-038049	1 1/2	NPT	1 1/2	38	BRASS
2303643	I8A9C828-051060	2	NPT	2	51	BRASS
2303644	I8A9C828-063076	2 1/2	NPT	2 1/2	63	BRASS
2303645	I8A9C828-076090	3	NPT	3	76	BRASS
2303646	I8A9C828-102114	4	NPT	4	102	BRASS
2303647	I8A9C828-127140	5	NPT	5	127	BRASS
2303648	I8A9C828-152165	6	NPT	6	152	BRASS



Item Code	Part Number	Thread in	Thread type	Head DN in	Head DN mm	Material
2303660	IPA9C828-013021	1/2	NPT	1/2	13	PP
2303661	IPA9C828-019027	1/4	NPT	1/4	19	PP
2303662	IPA9C828-025034	1	NPT	1	25	PP
2303663	IPA9C828-032042	1 1/4	NPT	1 1/4	32	PP
2303664	IPA9C828-038049	1 1/2	NPT	1 1/2	38	PP
2303665	IPA9C828-051060	2	NPT	2	51	PP
2303667	IPA9C828-076090	3	NPT	3	76	PP
2303668	IPA9C828-102114	4	NPT	4	102	PP

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Type DC - Female dust cap for adapter



Item Code	Part Number	Head DN in	Head DN mm	Material
2303254	I5A9C900-013	1/2	13	ALUMINIUM
2301967	I5A9C900-019	3/4	19	ALUMINIUM
2300200	I5A9C900-025	1	25	ALUMINIUM
2300201	I5A9C900-032	1 1/4	32	ALUMINIUM
2301968	I5A9C900-038	1 1/2	38	ALUMINIUM
2301969	I5A9C900-051	2	51	ALUMINIUM
2301970	I5A9C900-063	2 1/2	63	ALUMINIUM
2301971	I5A9C900-076	3	76	ALUMINIUM
2301972	I5A9C900-102	4	102	ALUMINIUM
2302712	I5A9C900-127	5	127	ALUMINIUM
2302713	I5A9C900-152	6	152	ALUMINIUM
2303756	I5A9C900-203	8	203	ALUMINIUM



Item Code	Part Number	Head DN in	Head DN mm	Material
2303256	I3A9C900-013	1/2	13	S/S 316
2301973	I3A9C900-019	3/4	19	S/S 316
2301546	I3A9C900-025	1	25	S/S 316
2302612	I3A9C900-032	1 1/4	32	S/S 316
2302613	I3A9C900-038	1 1/2	38	S/S 316
2302225	I3A9C900-051	2	51	S/S 316
2302614	I3A9C900-063	2 1/2	63	S/S 316
2302615	I3A9C900-076	3	76	S/S 316
2302616	I3A9C900-102	4	102	S/S 316
2303761	I3A9C900-127	5	127	S/S 316
2302617	I3A9C900-152	6	152	S/S 316



Item Code	Part Number	Head DN in	Head DN mm	Material
2303255	I8A9C900-013	1/2	13	BRASS
2302797	I8A9C900-019	3/4	19	BRASS
2302798	I8A9C900-025	1	25	BRASS
2302799	I8A9C900-032	1 1/4	32	BRASS
2302800	I8A9C900-038	1 1/2	38	BRASS
2302226	I8A9C900-051	2	51	BRASS
2302801	I8A9C900-063	2 1/2	63	BRASS
2302227	I8A9C900-076	3	76	BRASS
2302802	I8A9C900-102	4	102	BRASS
2303758	I8A9C900-127	5	127	BRASS
2303759	I8A9C900-152	6	152	BRASS



Item Code	Part Number	Head DN in	Head DN mm	Material
2303313	IPA9C900-013	1/2	13	PP
2303314	IPA9C900-019	3/4	19	PP
2303315	IPA9C900-025	1	25	PP
2303316	IPA9C900-032	1 1/4	32	PP
2303317	IPA9C900-038	1 1/2	38	PP
2303318	IPA9C900-051	2	51	PP
2303320	IPA9C900-076	3	76	PP
2303321	IPA9C900-102	4	102	PP

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Type DP - Male dust plug for coupler



Item Code	Part Number	Head DN in	Head DN mm	Material
2303257	I5A9C700-013	1/2	13	ALUMINIUM
2301979	I5A9C700-019	3/4	19	ALUMINIUM
2300967	I5A9C700-025	1	25	ALUMINIUM
2302707	I5A9C700-032	1 1/4	32	ALUMINIUM
2301982	I5A9C700-038	1 1/2	38	ALUMINIUM
2301983	I5A9C700-051	2	51	ALUMINIUM
2301985	I5A9C700-063	2 1/2	63	ALUMINIUM
2301986	I5A9C700-076	3	76	ALUMINIUM
2302708	I5A9C700-102	4	102	ALUMINIUM
2302709	I5A9C700-127	5	127	ALUMINIUM
2301988	I5A9C700-152	6	152	ALUMINIUM



Item Code	Part Number	Head DN in	Head DN mm	Material
2303237	I3A9C700-013	1/2	13	S/S 316
2302605	I3A9C700-019	3/4	19	S/S 316
2302606	I3A9C700-025	1	25	S/S 316
2302607	I3A9C700-032	1 1/4	32	S/S 316
2301746	I3A9C700-038	1 1/2	38	S/S 316
2302608	I3A9C700-051	2	51	S/S 316
2301989	I3A9C700-063	2 1/2	63	S/S 316
2301747	I3A9C700-076	3	76	S/S 316
2302609	I3A9C700-102	4	102	S/S 316
2302610	I3A9C700-152	6	152	S/S 316



Item Code	Part Number	Head DN in	Head DN mm	Material
2303258	I8A9C700-013	1/2	13	BRASS
2302792	I8A9C700-019	3/4	19	BRASS
2302793	I8A9C700-025	1	25	BRASS
2302794	I8A9C700-032	1 1/4	32	BRASS
2302795	I8A9C700-038	1 1/2	38	BRASS
2302228	I8A9C700-051	2	51	BRASS
2302229	I8A9C700-063	2 1/2	63	BRASS
2302230	I8A9C700-076	3	76	BRASS
2302231	I8A9C700-102	4	102	BRASS
2302796	I8A9C700-127	5	127	BRASS
2303782	I8A9C700-152	6	152	BRASS

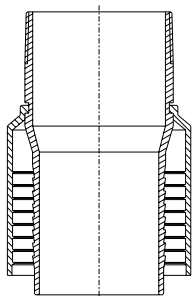


Item Code	Part Number	Head DN in	Head DN mm	Material
2303322	IPA9C700-013	1/2	13	PP
2303323	IPA9C700-019	3/4	19	PP
2303324	IPA9C700-025	1	25	PP
2303325	IPA9C700-032	1 1/4	32	PP
2303326	IPA9C700-038	1 1/2	38	PP
2303327	IPA9C700-051	2	51	PP
2303329	IPA9C700-076	3	76	PP
2303330	IPA9C700-102	4	102	PP



## COMBINATION NIPPLE

Male NPT complete with pre-crimped ferrule - heavy duty



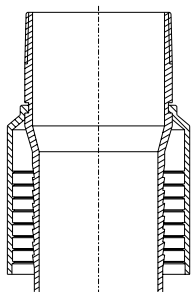
Item Code	Part Number	Hose ID in	Hose ID mm	Thread in	Thread type	Hose OD min-MAX mm	Material
2302332	I1728M00-076090	3	76	3	NPT	88-102	PLATED STEEL
2302333	I1728M00-102114	4	102	4	NPT	114-128	PLATED STEEL
2302334	I1728M00-127140	5	127	5	NPT	139-153	PLATED STEEL
2302335	I1728M00-152165	6	152	6	NPT	166-184	PLATED STEEL

Stainless Steel version available on request

FOR MALE NPT FITTING DN<76mm, PLEASE REFER TO HYDRAULIC RANGE H1212810, RECOMMENDED WITH HYDRAULIC FERRULE H1200203

## COMBINATION NIPPLE

Male BSPT complete with pre-crimped ferrule - heavy duty



Item Code	Part Number	Hose ID in	Hose ID mm	Thread in	Thread type	Hose OD min-MAX mm	Material
2302324	I1707M00-076090	3	76	3	BSPT	88-102	PLATED STEEL
2302325	I1707M00-102114	4	102	4	BSPT	114-128	PLATED STEEL
2302326	I1707M00-127140	5	127	5	BSPT	139-153	PLATED STEEL
2302007	I1707M00-152165	6	152	6	BSPT	166-184	PLATED STEEL

Stainless Steel version available on request

FOR MALE BSPT FITTING DN<76mm, PLEASE REFER TO HYDRAULIC RANGE H1210710, RECOMMENDED WITH HYDRAULIC FERRULE H1200203

## COMBINATION NIPPLE

Hose mender

FOR DN<76 mm PLEASE REFER TO HYDRAULIC RANGE.

FOR HIGHER DIAMETERS, HOSE MENDERS WITH PRE-CRIMPED FERRULE ARE AVAILABLE ON REQUEST.

**HAMMER LUG UNION - FIG. 100**

**NPT Threaded - 3 Pieces (female/male/nut)**

**Colour:** Black nut, yellow subs

**Use:** Recommended for air, water and oil services up to 1000 psi in manifold and line connections

**Sealing:** Metal to metal sealing surface

**Pressure (cold working):** 1.000 psi



Item Code	Part Number	NPT Thread in	Material
2306831	I1TC66C6-051051	2	ASTM A-105 Forged Carbon Steel
2306830	I1TC66C6-076076	3	ASTM A-105 Forged Carbon Steel
2303955	I1TC66C6-102102	4	ASTM A-105 Forged Carbon Steel
2303956	I1TC66C6-127127	5	ASTM A-105 Forged Carbon Steel
2303957	I1TC66C6-152152	6	ASTM A-105 Forged Carbon Steel

**HAMMER LUG UNION - FIG. 200**

**NPT Threaded - 3 Pieces (female/male/nut)**

**Colour:** Blue nut, grey subs

**Use:** Recommended for air, water and oil services up to 2000 psi in manifold and line connections

**Sealing:** Metal to metal sealing surface

**Pressure (cold working):** 2.000 psi



Item Code	Part Number	NPT Thread in	Material
2303958	I1TC96C9-051051	2	ASTM A-105 Forged Carbon Steel
2306567	I1TC96C9-076076	3	ASTM A-105 Forged Carbon Steel
2306568	I1TC96C9-102102	4	ASTM A-105 Forged Carbon Steel
2306569	I1TC96C9-152152	6	ASTM A-105 Forged Carbon Steel

**HAMMER LUG UNION - FIG. 602**

**NPT Threaded - 3 Pieces (female/male/nut)**

**Colour:** Black nut, orange subs

**Use:** Recommended for water, oil, gas and mud services up to 6000 psi

**Sealing:** Replaceable, Lip type rubber seal provides primary sealing

**Pressure (cold working):** 6.000 psi



Item Code	Part Number	NPT Thread in	Material
2306573	I1TE26E2-025025	1	Alloy Steel AISI 1040
2306832	I1TE26E2-051051	2	Alloy Steel AISI 1040
2306834	I1TE26E2-076076	3	Alloy Steel AISI 1040
2306833	I1TE26E2-102102	4	Alloy Steel AISI 1040

**HAMMER LUG UNION - FIG. 1502**

**NPT Threaded - 3 Pieces (female/male/nut)**

**Colour:** Blue nut, red subs

**Use:** Recommended for cementing, acidizing, fracturing, testing and choke and kill lines

**Sealing:** Replaceable Lip type rubber seal

**Pressure (cold working):** 15.000 psi



Item Code	Part Number	NPT Thread in	Material
2306257	I1TE16E1-051051	2	Alloy Steel AISI 4130
2306899	I1TE16E1-076076	3	Alloy Steel AISI 4130
2306900	I1TE16E1-102102	4	Alloy Steel AISI 4130

## DRY DISCONNECT COUPLING

Alfagomma offers a wide range of dry disconnect couplings.

Major offshore exploration, chemical and petro chemical companies rely on dry-disconnect couplings to safely transfer their most aggressive, hazardous or valuable liquids.

Designed for safety and ease of use with minimum operator intervention, the self sealing design of the couplings guarantees both the maximum level of safety and the fastest way of connecting-disconnecting.

The installation of dry-disconnect couplings can transform your operation by offering the following benefits:

- Accidental spillage eliminated
- Time saving, no need to drain hoses or pipe systems
- Reduces the possibility of human error in transfer operations
- Improves efficiency

### 2" Dry-Disconnect

**Dimensions:** DN40 - DN50, Ø70 mm

**Materials:** Aluminium alloy, Stainless Steel, brass, Hastelloy, others on request

**Seals:** A full range of elastomeric seals available.

**Connections:** BSP, NPT, Flanged

2" coupling size probably covers the most diverse selection of applications.

Available in a range of material and connection configurations, dry-disconnect 2" coupling is designed for quick and safe transfers. Offshore chemical dosing and aggressive chemical vapour transfer are just some of the challenging applications these couplings are designed for.



### 4" Dry-Disconnect

**Dimensions:** DN 100, ø 164 mm

**Materials:** Aluminium alloy, Stainless Steel, brass, Hastelloy, others on request

**Seals:** A full range of elastomeric seals available.

**Connections:** BSP, NPT, Flanged

4" coupling is extensively used for offshore ship to rig transfers of fuels and drinking water, aviation fuel bunkering, rail tank loading/discharge, chemicals etc.

Fast, positive connection and disconnection make dry-disconnect 4" coupling the standard for barge to ferry re-fuelling and multiple rail tank discharge.



### 6" Dry-Disconnect

**Dimensions:** DN 150, ø 238 mm

**Materials:** Aluminium alloy, Stainless Steel, brass, Hastelloy, others on request

**Seals:** A full range of elastomeric seals available.

**Connections:** BSP, NPT, Flanged

6" coupling is the ideal ship/barge to shore connection.

Much faster and safer than any flange coupling means not only environmental standards compliance but real turn around time savings.

Full marine construction with rotating lifting loop as standard.

As with all dry-disconnect couplings, the 6" is equally suitable for flexible hose or loading arm applications.



## SAFETY BREAK-AWAY COUPLING

Safety Break-away couplings are used to prevent pull away accidents: the internal valves will close the flow in both lines and prevent unwanted release of the media.

Marine and offshore applications include, ship to rig fluid transfer, ship to shore and ship to ship transfer, bunkering refueling.

Safety Break-away couplings are available as ANSI/DIN flanges or BSP/NPT threaded, with sizes from 1" (DN25) to 12" (DN300) and 10/16/25 bar working pressure.



**FIXED FLANGE**

**Serrated hose shank**



Item Code	Part Number	Hose ID in	Hose ID mm	Flange type	Material Hose shank	Material Flange
2302340	I17BD61A-038038	1 1/2	38	PN 16	PLATED STEEL	PLATED STEEL
2302341	I17BD61A-051051	2	51	PN 16	PLATED STEEL	PLATED STEEL
2302011	I17BD61A-063063	2 1/2	63	PN 16	PLATED STEEL	PLATED STEEL
2303002	I17BD61A-075075	3	76	PN 16	PLATED STEEL	PLATED STEEL
2303003	I17BD61A-100100	4	102	PN 16	PLATED STEEL	PLATED STEEL
2303004	I17BD61A-125125	5	127	PN 16	PLATED STEEL	PLATED STEEL
2303005	I17BD61A-150150	6	152	PN 16	PLATED STEEL	PLATED STEEL
2304547	I17BD61A-200200	8	203	PN 16	PLATED STEEL	PLATED STEEL

Stainless Steel version available on request  
 TO ASSEMBLE THE INSERT, USE AG INDUSTRIAL SERRATED FERRULE (PLATED STEEL AND STAINLESS STEEL)



Item Code	Part Number	Hose ID in	Hose ID mm	Flange type	Material Hose shank	Material Flange
2302353	I17BE67B-038038	1 1/2	38	ASA 150	PLATED STEEL	PLATED STEEL
2302354	I17BE67B-051051	2	51	ASA 150	PLATED STEEL	PLATED STEEL
2302355	I17BE67B-063063	2 1/2	63	ASA 150	PLATED STEEL	PLATED STEEL
2303006	I17BE67B-075075	3	76	ASA 150	PLATED STEEL	PLATED STEEL
2303007	I17BE67B-100100	4	102	ASA 150	PLATED STEEL	PLATED STEEL
2303008	I17BE67B-125125	5	127	ASA 150	PLATED STEEL	PLATED STEEL
2303009	I17BE67B-150150	6	152	ASA 150	PLATED STEEL	PLATED STEEL
	I17BE67B-200200	8	203	ASA 150	PLATED STEEL	PLATED STEEL

Stainless Steel version available on request  
 TO ASSEMBLE THE INSERT, USE AG INDUSTRIAL SERRATED FERRULE (PLATED STEEL AND STAINLESS STEEL)

## SWIVEL FLANGE

Serrated hose shank



Item Code	Part Number	Hose ID in	Hose ID mm	Flange type	Material Hose shank	Material Flange
2301291	I17BD72A-038038	1 1/2	38	PN 16	PLATED STEEL	PLATED STEEL
2302014	I17BD72A-051051	2	51	PN 16	PLATED STEEL	PLATED STEEL
2301135	I17BD72A-063063	2 1/2	63	PN 16	PLATED STEEL	PLATED STEEL
2301136	I17BD72A-075075	3	76	PN 16	PLATED STEEL	PLATED STEEL
2301137	I17BD72A-100100	4	102	PN 16	PLATED STEEL	PLATED STEEL
2303011	I17BD72A-125125	5	127	PN 16	PLATED STEEL	PLATED STEEL
2301138	I17BD72A-150150	6	152	PN 16	PLATED STEEL	PLATED STEEL
2301166	I17BD72A-200200	8	203	PN 16	PLATED STEEL	PLATED STEEL

TO ASSEMBLE THE INSERT, USE AG INDUSTRIAL SERRATED FERRULE (PLATED STEEL AND STAINLESS STEEL)



Item Code	Part Number	Hose ID in	Hose ID mm	Flange type	Material Hose shank	Material Flange
2304578	I37BD72A-032032	1 1/4	32	PN 16	S/S 316	S/S 316
2306694	I37BD72A-038038	1 1/2	38	PN 16	S/S 316	S/S 316
2302549	I37BD72A-051051	2	51	PN 16	S/S 316	S/S 316
2303010	I37BD72A-063063	2 1/2	63	PN 16	S/S 316	S/S 316
2303012	I37BD72A-075075	3	76	PN 16	S/S 316	S/S 316
2303013	I37BD72A-100100	4	102	PN 16	S/S 316	S/S 316
2306495	I37BD72A-150150	6	152	PN 16	S/S 316	S/S 316

TO ASSEMBLE THE INSERT, USE AG INDUSTRIAL SERRATED FERRULE (PLATED STEEL AND STAINLESS STEEL)



Item Code	Part Number	Hose ID in	Hose ID mm	Flange type	Material Hose shank	Material Flange
2302356	I17BE79A-038038	1 1/2	38	ASA 150	PLATED STEEL	PLATED STEEL
2302357	I17BE79A-051051	2	51	ASA 150	PLATED STEEL	PLATED STEEL
2302358	I17BE79A-063063	2 1/2	63	ASA 150	PLATED STEEL	PLATED STEEL
2303014	I17BE79A-075075	3	76	ASA 150	PLATED STEEL	PLATED STEEL
2303015	I17BE79A-100100	4	102	ASA 150	PLATED STEEL	PLATED STEEL
2303016	I17BE79A-125125	5	127	ASA 150	PLATED STEEL	PLATED STEEL
2303017	I17BE79A-150150	6	152	ASA 150	PLATED STEEL	PLATED STEEL
	I17BE79A-200200	8	203	ASA 150	PLATED STEEL	PLATED STEEL

TO ASSEMBLE THE INSERT, USE AG INDUSTRIAL SERRATED FERRULE (PLATED STEEL AND STAINLESS STEEL)



Item Code	Part Number	Hose ID in	Hose ID mm	Flange type	Material Hose shank	Material Flange
2302552	I37BE79A-051051	2	51	ASA 150	S/S 316	S/S 316
2303018	I37BE79A-063063	2 1/2	63	ASA 150	S/S 316	S/S 316
2303019	I37BE79A-075075	3	76	ASA 150	S/S 316	S/S 316
2303020	I37BE79A-100100	4	102	ASA 150	S/S 316	S/S 316
2304557	I37BE79A-150150	6	152	ASA 150	S/S 316	S/S 316

TO ASSEMBLE THE INSERT, USE AG INDUSTRIAL SERRATED FERRULE (PLATED STEEL AND STAINLESS STEEL)

**BUILT-IN FITTING**

These metal fittings are built into the hose ends during manufacturing and form an integral part of the whole assembly. They are chemically bonded into the hose and mechanically secured to the reinforcement plies and to the embedded steel helix, where present.

**Flange material:** Hot deep zinc plated carbon steel

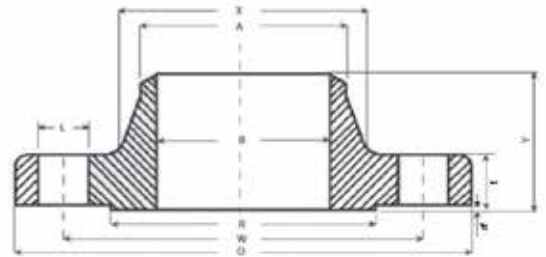
AVAILABLE ON REQUEST:

- Raised Face (RF) or Flat Face (FF) flange
- Flange complete with non sparking brass ring
- Built-in fittings with UNI PN 10/16 flange
- Stainless steel AISI 316 Built-in fittings
- Fittings according to OCIMF



**FIXED FLANGE - WELDING NECK RAISED FACE**

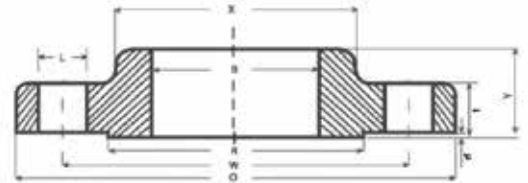
ASME B 16.5 ASA 150 Flange Built-in fitting



Fittings				Flange									
Item Code	Part Number	Hose ID mm	Flange DN in	O mm	t mm	R mm	X mm	A mm	B mm	Y mm	W mm	Hole n°	L mm
	I1VBE66B-102102	102	4	228,6	23,8	157,2	134,9	114,3	102,4	76,2	190,5	8	19,0
2303980	I1VBE66B-152152	152	6	279,4	25,4	215,9	192,1	168,4	154,2	88,9	241,3	8	22,2
2303948	I1VBE66B-203203	203	8	342,9	28,6	269,8	246,1	219,1	202,7	101,6	298,4	8	22,2
2303949	I1VBE66B-254254	254	10	406,4	30,2	323,8	304,8	273,0	254,5	101,6	361,9	12	25,4
2303950	I1VBE66B-300300	300	12	482,6	31,7	381,0	365,1	323,8	304,8	114,3	431,8	12	25,4

**FIXED FLANGE - SLIP-ON RAISED FACE**

ASME B 16.5 ASA 150 Flange Built-in fitting

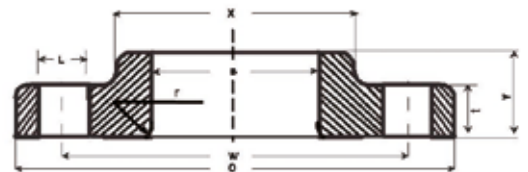


Fittings				Flange									
Item Code	Part Number	Hose ID mm	Flange DN in	O mm	t mm	R mm	X mm	B mm	Y mm	W mm	Hole n°	L mm	
	I1VBE67B-102102	102	4	228,6	23,8	157,2	134,9	116,1	33,3	190,5	8	19,0	
	I1VBE67B-152152	152	6	279,4	25,4	215,9	192,1	170,7	39,7	241,3	8	22,2	
	I1VBE67B-203203	203	8	342,9	28,6	269,8	246,1	221,5	44,4	298,4	8	22,2	
	I1VBE67B-254254	254	10	406,4	30,2	323,8	304,8	276,3	49,2	361,9	12	25,4	
	I1VBE67B-300300	300	12	482,6	31,7	381,0	365,1	327,1	55,6	431,8	12	25,4	

**SWIVEL FLANGE - LAP JOINT**

ASME B 16.5 ASA 150 Flange

Built-in fitting



Fittings				Flange									
Item Code	Part Number	Hose ID mm	Flange DN in	O mm	t mm	X mm	B mm	Y mm	r mm	W mm	Hole n°	L mm	
	I1VBE79A-102102	102	4	228,6	23,8	134,9	116,8	33,3	11,1	190,5	8	19,0	
2303983	I1VBE79A-152152	152	6	279,4	25,4	192,1	171,4	39,7	12,7	241,3	8	22,2	
2303951	I1VBE79A-203203	203	8	342,9	28,6	246,1	222,2	44,4	12,7	298,4	8	22,2	
2303952	I1VBE79A-254254	254	10	406,4	30,2	304,8	277,4	49,2	12,7	361,9	12	25,4	
2303984	I1VBE79A-300300	300	12	482,6	31,7	365,1	328,2	55,6	12,7	431,8	12	25,4	

## COMBINATION NIPPLE

Male BSPP - Helical hose shank for composite hose



Item Code	Part Number	Hose ID mm	Thread in	Thread type	Material
2304567	I5206100-025034	25	1	BSPP	ALUMINIUM
2300740	I5206100-040049	40	1 1/2	BSPP	ALUMINIUM
2300741	I5206100-050060	50	2	BSPP	ALUMINIUM
2300742	I5206100-065076	65	2 1/2	BSPP	ALUMINIUM
2300743	I5206100-080090	80	3	BSPP	ALUMINIUM
2300744	I5206100-100114	100	4	BSPP	ALUMINIUM

Item Code	Part Number	Hose ID mm	Thread in	Thread type	Material
	I1206100-150165	150	6	BSPP	PLATED STEEL
	I1206100-200219	200	8	BSPP	PLATED STEEL



Item Code	Part Number	Hose ID mm	Thread in	Thread type	Material
2300729	I3206100-025034	25	1	BSPP	S/S 316
2300730	I3206100-032042	32	1 1/4	BSPP	S/S 316
2300731	I3206100-040049	40	1 1/2	BSPP	S/S 316
2300732	I3206100-050060	50	2	BSPP	S/S 316
2300733	I3206100-065076	65	2 1/2	BSPP	S/S 316
2300734	I3206100-080090	80	3	BSPP	S/S 316
2300735	I3206100-100114	100	4	BSPP	S/S 316
	I3206100-150165	150	6	BSPP	S/S 316
	I3206100-200219	200	8	BSPP	S/S 316



Item Code	Part Number	Hose ID mm	Thread in	Thread type	Material
	I7206100-025034	25	1	BSPP	BRONZE
	I7206100-032042	32	1 1/4	BSPP	BRONZE
	I7206100-040049	40	1 1/2	BSPP	BRONZE
	I7206100-050060	50	2	BSPP	BRONZE
	I7206100-065076	65	2 1/2	BSPP	BRONZE
	I7206100-080090	80	3	BSPP	BRONZE
	I7206100-100114	100	4	BSPP	BRONZE



Item Code	Part Number	Hose ID mm	Thread in	Thread type	Material
2300711	IP206100-040049	40	1 1/2	BSPP	PP
2300712	IP206100-050060	50	2	BSPP	PP
	IP206100-065076	65	2 1/2	BSPP	PP
2300713	IP206100-080090	80	3	BSPP	PP
2300714	IP206100-100114	100	4	BSPP	PP

## COMBINATION NIPPLE

Male NPT - Helical hose shank for composite hose



Item Code	Part Number	Hose ID mm	Thread in	Thread type	Material
	I1228100-050060	50	2	NPT	PLATED STEEL
	I1228100-080090	80	3	NPT	PLATED STEEL
	I1228100-100114	100	4	NPT	PLATED STEEL



Item Code	Part Number	Hose ID mm	Thread in	Thread type	Material
	I3228100-050060	50	2	NPT	S/S 316
	I3228100-080090	80	3	NPT	S/S 316
2306670	I3228100-100114	100	4	NPT	S/S 316

**FIXED FLANGE**

Helical hose shank for composite hose



Item Code	Part Number	Hose ID in	Hose ID mm	Flange type	Material Hose Shank	Material flange
2301253	I12BD66B-040040	1 1/2	40	PN 10/16	PLATED STEEL	PLATED STEEL
2301254	I12BD66B-050050	2	50	PN 10/16	PLATED STEEL	PLATED STEEL
2301256	I12BD66B-080080	3	80	PN 10/16	PLATED STEEL	PLATED STEEL
2301257	I12BD66B-100100	4	100	PN 10/16	PLATED STEEL	PLATED STEEL
	I12BD66B-150150	6	150	PN 10/16	PLATED STEEL	PLATED STEEL
	I12BD66B-200200	8	200	PN 10/16	PLATED STEEL	PLATED STEEL
	I12BD66B-250250	10	250	PN 10/16	PLATED STEEL	PLATED STEEL



	I32BD66B-040040	1 1/2	40	PN 10/16	S/S 316	S/S 316
	I32BD66B-050050	2	50	PN 10/16	S/S 316	S/S 316
	I32BD66B-080080	3	80	PN 10/16	S/S 316	S/S 316
2304576	I32BD66B-100100	4	100	PN 10/16	S/S 316	S/S 316
	I32BD66B-150150	6	150	PN 10/16	S/S 316	S/S 316
	I32BD66B-200200	8	200	PN 10/16	S/S 316	S/S 316
	I32BD66B-250250	10	250	PN 10/16	S/S 316	S/S 316



Item Code	Part Number	Hose ID in	Hose ID mm	Flange type	Material Hose Shank	Material flange
	I12BE66B-040040	1 1/2	40	ASA 150	PLATED STEEL	PLATED STEEL
2300062	I12BE66B-050050	2	50	ASA 150	PLATED STEEL	PLATED STEEL
2300064	I12BE66B-080080	3	80	ASA 150	PLATED STEEL	PLATED STEEL
2300065	I12BE66B-100100	4	100	ASA 150	PLATED STEEL	PLATED STEEL
	I12BE66B-150150	6	150	ASA 150	PLATED STEEL	PLATED STEEL
	I12BE66B-200200	8	200	ASA 150	PLATED STEEL	PLATED STEEL
	I12BE66B-250250	10	250	ASA 150	PLATED STEEL	PLATED STEEL



	I32BE66B-040040	1 1/2	40	ASA 150	S/S 316	S/S 316
	I32BE66B-050050	2	50	ASA 150	S/S 316	S/S 316
	I32BE66B-080080	3	80	ASA 150	S/S 316	S/S 316
2301308	I32BE66B-100100	4	100	ASA 150	S/S 316	S/S 316
	I32BE66B-150150	6	150	ASA 150	S/S 316	S/S 316
	I32BE66B-200200	8	200	ASA 150	S/S 316	S/S 316
	I32BE66B-250250	10	250	ASA 150	S/S 316	S/S 316



## SWIVEL FLANGE

Helical hose shank for composite hose



Item Code	Part Number	Hose ID in	Hose ID mm	Flange type	Material Hose Shank	Material flange
2300000	I12BD72A-040040	1 1/2	40	PN 10/16	PLATED STEEL	PLATED STEEL
2300001	I12BD72A-050050	2	50	PN 10/16	PLATED STEEL	PLATED STEEL
2300002	I12BD72A-065065	2 1/2	65	PN 10/16	PLATED STEEL	PLATED STEEL
2300003	I12BD72A-080080	3	80	PN 10/16	PLATED STEEL	PLATED STEEL
2300004	I12BD72A-100100	4	100	PN 10/16	PLATED STEEL	PLATED STEEL
	I12BD72A-150150	6	150	PN 10/16	PLATED STEEL	PLATED STEEL
	I12BD72A-200200	8	200	PN 10/16	PLATED STEEL	PLATED STEEL
	I12BD72A-250250	10	250	PN 10/16	PLATED STEEL	PLATED STEEL



	IA2BD72A-040040	1 1/2	40	PN 10/16	S/S 316	PLATED STEEL
	IA2BD72A-050050	2	50	PN 10/16	S/S 316	PLATED STEEL
	IA2BD72A-080080	3	80	PN 10/16	S/S 316	PLATED STEEL
	IA2BD72A-100100	4	100	PN 10/16	S/S 316	PLATED STEEL
	IA2BD72A-150150	6	150	PN 10/16	S/S 316	PLATED STEEL
	IA2BD72A-200200	8	200	PN 10/16	S/S 316	PLATED STEEL
	IA2BD72A-250250	10	250	PN 10/16	S/S 316	PLATED STEEL



	I32BD72A-040040	1 1/2	40	PN 10/16	S/S 316	S/S 316
	I32BD72A-050050	2	50	PN 10/16	S/S 316	S/S 316
	I32BD72A-080080	3	80	PN 10/16	S/S 316	S/S 316
	I32BD72A-100100	4	100	PN 10/16	S/S 316	S/S 316
	I32BD72A-150150	6	150	PN 10/16	S/S 316	S/S 316
	I32BD72A-200200	8	200	PN 10/16	S/S 316	S/S 316
	I32BD72A-250250	10	250	PN 10/16	S/S 316	S/S 316



Item Code	Part Number	Hose ID in	Hose ID mm	Flange type	Material Hose Shank	Material flange
	IP2BC72A-050050	2	50	PN 10	PP	PP
	IP2BC72A-080080	3	80	PN 10	PP	PP
	IP2BC72A-100100	4	100	PN 10	PP	PP



Item Code	Part Number	Hose ID in	Hose ID mm	Flange type	Material Hose Shank	Material flange
	I12BE77A-040040	1 1/2	40	ASA 150	PLATED STEEL	PLATED STEEL
2300049	I12BE77A-050050	2	50	ASA 150	PLATED STEEL	PLATED STEEL
2300051	I12BE77A-080080	3	80	ASA 150	PLATED STEEL	PLATED STEEL
2300052	I12BE77A-100100	4	100	ASA 150	PLATED STEEL	PLATED STEEL
	I12BE77A-150150	6	150	ASA 150	PLATED STEEL	PLATED STEEL
	I12BE77A-200200	8	200	ASA 150	PLATED STEEL	PLATED STEEL
	I12BE77A-250250	10	250	ASA 150	PLATED STEEL	PLATED STEEL



	IA2BE77A-040040	1 1/2	40	ASA 150	S/S 316	PLATED STEEL
	IA2BE77A-050050	2	50	ASA 150	S/S 316	PLATED STEEL
	IA2BE77A-080080	3	80	ASA 150	S/S 316	PLATED STEEL
	IA2BE77A-100100	4	100	ASA 150	S/S 316	PLATED STEEL
	IA2BE77A-150150	6	150	ASA 150	S/S 316	PLATED STEEL
	IA2BE77A-200200	8	200	ASA 150	S/S 316	PLATED STEEL
	IA2BE77A-250250	10	250	ASA 150	S/S 316	PLATED STEEL



	I32BE77A-040040	1 1/2	40	ASA 150	S/S 316	S/S 316
	I32BE77A-050050	2	50	ASA 150	S/S 316	S/S 316
	I32BE77A-080080	3	80	ASA 150	S/S 316	S/S 316
	I32BE77A-100100	4	100	ASA 150	S/S 316	S/S 316
	I32BE77A-150150	6	150	ASA 150	S/S 316	S/S 316
	I32BE77A-200200	8	200	ASA 150	S/S 316	S/S 316
	I32BE77A-250250	10	250	ASA 150	S/S 316	S/S 316

**SMOOTH FERRULE FOR COMPOSITE HOSE**



Item Code	Part Number	Hose ID mm	Material
2304568	I105C5-040	40	PLATED STEEL
2300824	I105C5-050	50	PLATED STEEL
2300896	I105C5-065	65	PLATED STEEL
2300825	I105C5-080	80	PLATED STEEL
2304569	I105C5-100	100	PLATED STEEL
	I105C5-150	150	PLATED STEEL
	I105C5-200	200	PLATED STEEL



Item Code	Part Number	Hose ID mm	Material
2300848	I205C5-025	25	S/S 304
2300849	I205C5-032	32	S/S 304
2300850	I205C5-040	40	S/S 304
2300851	I205C5-050	50	S/S 304
2300852	I205C5-065	65	S/S 304
2300853	I205C5-080	80	S/S 304
2300854	I205C5-100	100	S/S 304
	I205C5-150	150	S/S 304
	I205C5-200	200	S/S 304



Item Code	Part Number	Hose ID mm	Material
2300891	I505C5-040	40	ALUMINIUM
2301751	I505C5-050	50	ALUMINIUM
2300099	I505C5-065	65	ALUMINIUM
2300917	I505C5-080	80	ALUMINIUM
2300892	I505C5-100	100	ALUMINIUM

**CRIMPING GASKET FOR COMPOSITE HOSE**



Item Code	Part Number	Hose ID mm	Material
2300484	INJS00-025	25	NBR
2300485	INJS00-032	32	NBR
2300486	INJS00-040	40	NBR
2300487	INJS00-050	50	NBR
2300488	INJS00-065	65	NBR
2300489	INJS00-080	80	NBR
2300490	INJS00-100	100	NBR
	INJS00-150	150	NBR
	INJS00-200	200	NBR

GASKETS IN VITON® ARE AVAILABLE ON REQUEST



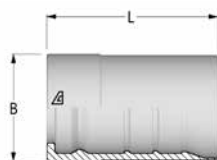
# HYDRAULIC FITTINGS

- WATERBLAST INSERT & FERRULE ..... 84
- HYDRAULIC FITTING-HAMMER LUG UNION..... 85-86
- HYDRAULIC FITTING-API THREAD ..... 87
- HYDRAULIC FITTING AND ADAPTOR: REFER TO HYDRAULIC CATALOGUE



## H1400200

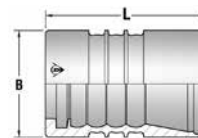
Ferrule for Interlock Fittings  
Alfabiotech series  
Waterblast WB10  
4 spiral



Item Code	Part Number	Hose ID	Hose ID	Dash	B	L
1201571	H1400200-060000	3/8	9,5	06	27	49
1201856	H1400200-080000	1/2	12,7	08	30	52,5
1201502	H1400200-100000	5/8	15,9	10	34	57,5
1201503	H1400200-120000	3/4	19	12	38	60,1
1201504	H1400200-160000	1	25,4	16	46	74,6
1200098	H1400200-200000	1 1/4	31,8	20	55	88,1
1200099	H1400200-240000	1 1/2	38,1	24	62	94,1
1201284	H1400200-320000	2	50,8	32	78	99,1

## D990000

Ferrule for Waterblast WB 15

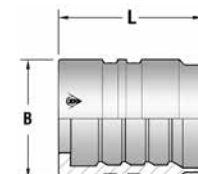


Item Code	Part Number	Hose ID	Hose ID	Dash	B mm	L mm
1215264	D990000-06	3/8	10,0	06	28,0	47,0
1223163	D990000N-08	1/2	13,0	08	33,0	50,0
1215266	D990000-12	3/4	19,0	12	41,0	63,0
1215267	D990000-16	1	25,4	16	49,0	75,0

STAINLESS STEEL VERSION AVAILABLE ON REQUEST

## D980000

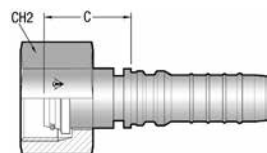
Ferrule for Waterblast WB 20



Item Code	Part Number	Hose ID	Hose ID	Dash	B mm	L mm
1215257	D980000-08	1/2	13,0	08	38	46,0

## A99179

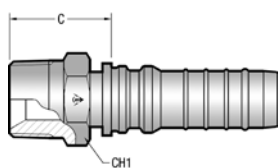
Metric Female 24° cone with O-Ring - Heavy - DIN 3865 DKOS  
Slip on nut with relief bore



Item Code	Hose ID in	Hose ID mm	Dash	Thread mm	C Cut-off mm	CH2 mm
1214929	3/8	9,5	06	22x1,5	42,5	27
1214930	3/8	9,5	06	24x1,5	42,5	30
1214931	1/2	12,7	08	24x1,5	47,0	30
1214932	3/4	19,0	12	36x2	64,2	46
1214933	1	25,4	16	42x2	73,4	50

## 990170

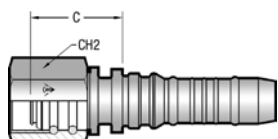
NPTF Male 60°



Item Code	Hose ID in	Hose ID mm	Dash	Thread in-TPI	Thread Dash	C Cut-off mm	CH1 mm
1215271	3/8	9,5	06	3/8-18	06	40,5	19
1215272	1/2	12,7	08	1/2-14	08	42,0	22
1215273	3/4	19,0	12	3/4-14	12	44,0	27
1215274	1	25,4	16	1-11	16	44,5	36

## A99001

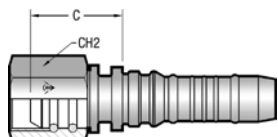
BSP Female 60°



Item Code	Hose ID in	Hose ID mm	Dash	Thread in-TPI	Thread Dash	C Cut-off mm	CH2 mm
1214925	3/8	9,5	06	3/8-19	06	32,0	22
1225828	1/2	12,7	08	1/2-14	08	36,0	30
1214927	3/4	19,0	12	3/4-14	12	37,5	36

## A99061

Type "M" Swivel

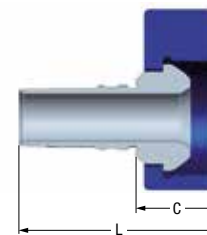


Item Code	Hose ID in	Hose ID mm	Dash	Thread in-TPI	Thread Dash	C Cut-off mm	CH2 mm
A99061-10-08	1/2	12,7	08	1-12	08	36,0	30

**FOR FLEXOR R13, FLEXOR 4SH, ALFATECH 5000, ALFABIOTECH 5000 AND FLEXOR RIG™ MINETUFF AND SUPERTUFF COVERS**

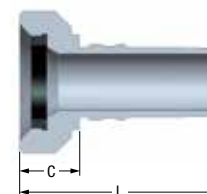
**Male Hammer Union Fig. 1502 integral fitting with Lug Nut**

Part Number	Hose ID in	Hose ID mm	DASH	C CUT-OFF mm	L Overall Length mm	Weight kg
H1413F13-323200	2	51	32	55,3	152	6,40



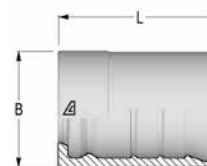
**Female Hammer Union Fig. 1502 integral fitting with Rubber Ring**

Part Number	Hose ID in	Hose ID mm	DASH	C CUT-OFF mm	L Overall Length mm	Weight kg
H1423F10-323200	2	51	32	51,5	148,5	2,30



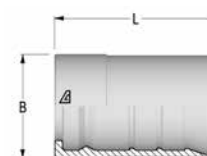
**Interlock ferrule H1400301  
Flexor R13, Alfatech 5000, Alfabiotech 5000 and Flexor Rig™**

Part Number	Hose ID	Hose ID	DASH	B mm	L mm	Weight kg
H1400301-320000	2	51	32	88	99	1,50



**Interlock ferrule H1400200  
Flexor 4SH**

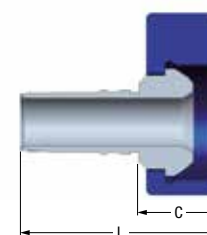
Part Number	Hose ID	Hose ID	DASH	B mm	L mm	Weight kg
H1400200-320000	2	51	32	78	99,1	0,95



**FOR ALFATECH 6000, FLEXOR R13 AND FLEXOR RIG™ MINETUFF AND SUPERTUFF COVERS**

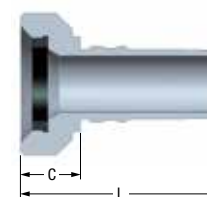
**Male Hammer Union Fig. 1502 integral fitting with Lug Nut**

Part Number	Hose ID in	Hose ID mm	DASH	C CUT-OFF mm	L Overall Length mm	Weight kg
H1T13F13-323200	2	51	32	55,9	162,2	6,60



**Female Hammer Union Fig. 1502 integral fitting with Rubber Ring**

Part Number	Hose ID in	Hose ID mm	DASH	C CUT-OFF mm	L Overall Length mm	Weight kg
H1T23F10-323200	2	51	32	52,4	158,7	2,60



**Interlock ferrule H1T00600**

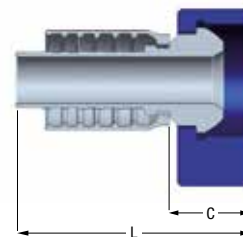
Part Number	Hose ID	Hose ID	DASH	B mm	L mm	Weight kg
H1T00600-320000	2	51	32	88,1	108,2	1,50



## FOR FLEXOR R13, ALFATECH 5000, ALFABIOTECH 5000 AND FLEXOR RIG™ MINETUFF AND SUPERTUFF COVERS

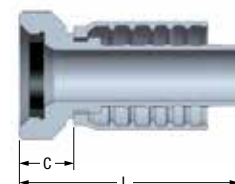
### Male Hammer Union Fig. 1502 integral fitting with Lug Nut

Part Number	Hose ID in	Hose ID mm	DASH	C CUT-OFF mm	L Overall Length mm	Weight kg
C12R13F13-32320	2	51	32	60	185,5	6,60



### Female Hammer Union Fig. 1502 integral fitting with Rubber Ring

Part Number	Hose ID in	Hose ID mm	DASH	C CUT-OFF mm	L Overall Length mm	Weight kg
C12R23F10-32320	2	51	32	56,5	182	2,50

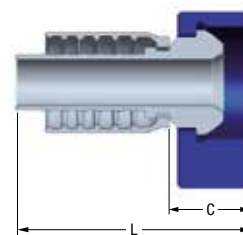


## FOR FLEXOR 4SH

### MINETUFF AND SUPERTUFF COVERS

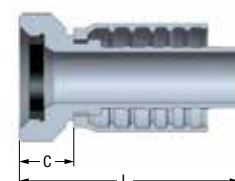
### Male Hammer Union Fig. 1502 integral fitting with Lug Nut

Part Number	Hose ID in	Hose ID mm	DASH	C CUT-OFF mm	L Overall Length mm	Weight kg
C12H13F13-32320	2	51	32	60	185,5	6,60



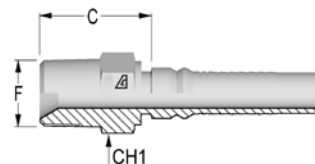
### Female Hammer Union Fig. 1502 integral fitting with Rubber Ring

Part Number	Hose ID in	Hose ID mm	DASH	C CUT-OFF mm	L Overall Length mm	Weight kg
C12H23F10-32320	2	51	32	56,5	182	2,50



**H141281Z**

Firesafe 5000 hose  
2 pc. male API interlock  
extra long hexagon

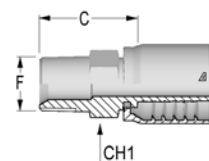


Part Number	Hose ID in	Hose ID mm	DASH	F Thread in-TPI	F Thread DASH	C CUT-OFF Factor	CH1 mm
H141281Z-161600	1	25,4	16	1-11	16	81,0	36
H141281Z-202000	1 1/4	31,8	20	1 1/4-11	20	68,8	46
H141281Z-242400	1 1/2	38,1	24	1 1/2-11	24	75,5	50
H141281Z-323200	2	50,8	32	2-11	32	95,5	65

STAINLESS STEEL VERSION AVAILABLE ON REQUEST

**C1261281Z**

Flexor Rig hose  
1 pc. male API  
extra long hexagon



Part Number	Hose ID in	Hose ID mm	DASH	F Thread in-TPI	F Thread DASH	C CUT-OFF Factor	CH1 mm
C1261281Z-12120	3/4	19	12	3/4-14	12	67,5	36
C1261281Z-16160	1	25,4	16	1-11	16	74,6	46
C1261281Z-20200	1 1/4	31,8	20	1 1/4-11	20	83,0	50
C1261281Z-24240	1 1/2	38,1	24	1 1/2-11	24	114,5	65
C1261281Z-32320	2	50,8	32	2-11	32		

STAINLESS STEEL VERSION AVAILABLE ON REQUEST

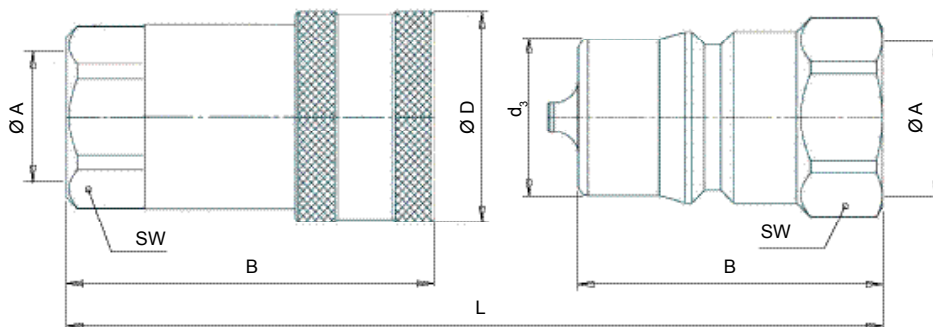




# QUICK RELEASE COUPLING

- **STANDARD ISO 7241 A** - Poppet SVK-ISO-A ..... 90
- **STANDARD ISO 5675** - Poppet SVK-1H push-pull ..... 91-92
- **STANDARD ISO 5675** - Poppet SPK-1H male connectable under pressure ..... 93
- **STANDARD ISO 16028** - Flat Face FPK ..... 94-95
- **STANDARD ISO 16028** - Flat Face FPP connectable under pressure ..... 96
- **SCREW COUPLING** - Poppet HDK ..... 97-98
- **QUICK CONNECT ADAPTER** ..... 99





## STANDARD ISO 7241 A - Poppet SVK-ISO-A

### Female coupling - female thread

Item Code	Part Number				WP Conn./ disconn. MPa	Min BP Conn./ disconn. MPa	Thread	ø A	B	ø D	L	SW
		DASH	DN	inch								
1219613	R1QEPAF06F-0404	-4	6	1/4"	35	140	BSPP	1/4"	50	26	74,2	19
1219607	R1QEPAF06F-0606	-6	10	3/8"	31,5	126	BSPP	3/8"	57,1	31,5	78,5	22
1219617	R1QEPAF06F-0808	-8	12	1/2"	27	108	BSPP	1/2"	66	38,5	88,2	27
1219609	R1QEPAF06F-1212	-12	20	3/4"	25	100	BSPP	3/4"	82,5	48	110,4	34
1219619	R1QEPAF06F-1616	-16	25	1"	20	80	BSPP	1"	100	56	132,9	41
1223504	R1QEPAF06F-2020	-20	32	1 1/4"	20	80	BSPP	1 1/4"	117	70	150	50
1219620	R1QEPAF06F-2424	-24	40	1 1/2"	16	64	BSPP	1 1/2"	133	84,5	167	60
1219612	R1QEPAF28F-0404	-4	6	1/4"	35	140	NPTF	1/4"	50	26	74,2	19
1222491	R1QEPAF28F-0606	-6	10	3/8"	27	108	NPTF	3/8"	57,1	31,5	78,5	22
1222488	R1QEPAF28F-0808	-8	12	1/2"	27	108	NPTF	1/2"	66	38,5	88,2	27
1222494	R1QEPAF28F-1212	-12	20	3/4"	25	100	NPTF	3/4"	82,5	48	110,4	34
1222495	R1QEPAF28F-1616	-16	25	1"	20	80	NPTF	1"	100	56	132,9	41
1229489	R1QEPAF28F-2424	-24	40	1 1/2"	16	64	NPTF	1 1/2"	133	84,5	167	60
1229466	R1QEPAF52F-0822	-8	12	1/2"	27	108	MET	M22x1,5	66	38,5	88,2	27

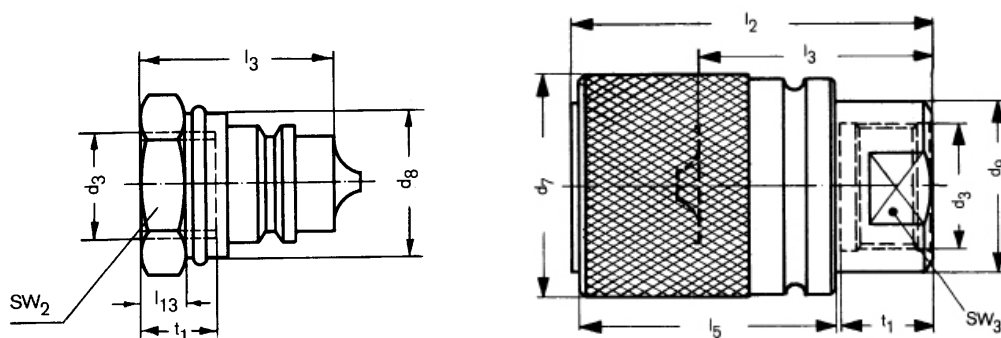
BSPP connection according to DIN 3852-2-X, NPTF connection according to ANSI B1-20.3, metric connection according to ISO 6149-1

## STANDARD ISO 7241 A - Poppet SVK-ISO-A

### Male coupling - female thread


Item Code	Part Number				WP Conn./ disconn. MPa	Min BP Conn./ disconn. MPa	Thread	ø A	B	d <sub>3</sub>	L	SW
		DASH	DN	inch								
1219611	R1QEPAM06F-0404	-4	6	1/4"	35	140	BSPP	1/4"	38,5	11,8	74,2	19
1219606	R1QEPAM06F-0606	-6	10	3/8"	31,5	126	BSPP	3/8"	39	17,3	78,5	22
1219615	R1QEPAM06F-0808	-8	12	1/2"	27	108	BSPP	1/2"	44	20,5	88,2	27
1219608	R1QEPAM06F-1212	-12	20	3/4"	25	100	BSPP	3/4"	55	29	110,4	34
1219618	R1QEPAM06F-1616	-16	25	1"	20	80	BSPP	1"	66	34,3	132,9	41
1223512	R1QEPAM06F-2020	-20	32	1 1/4"	20	80	BSPP	1 1/4"	75	45	150	50
1223511	R1QEPAM06F-2424	-24	40	1 1/2"	16	64	BSPP	1 1/2"	83,5	55	167	60
1219610	R1QEPAM28F-0404	-4	6	1/4"	35	140	NPTF	1/4"	38,5	11,8	74,2	19
1222492	R1QEPAM28F-0606	-6	10	3/8"	27	108	NPTF	3/8"	39	17,3	78,5	22
1222489	R1QEPAM28F-0808	-8	12	1/2"	27	108	NPTF	1/2"	44	20,5	88,2	27
1222490	R1QEPAM28F-1212	-12	20	3/4"	25	100	NPTF	3/4"	55	29	110,4	34
1229488	R1QEPAM28F-1616	-16	25	1"	20	80	NPTF	1"	66	34,3	132,9	41
1229496	R1QEPAM28F-2424	-24	40	1 1/2"	16	64	NPTF	1 1/2"	83,5	55	167	60
1229477	R1QEPAM52F-0822	-8	12	1/2"	27	108	MET	M22x1,5	44	20,5	88,2	27

BSPP connection according to DIN 3852-2-X, NPTF connection according to ANSI B1-20.3, metric connection according to ISO 6149-1



**STANDARD ISO 5675 - Poppet SVK-1H push-pull**


**Female coupling - female thread**

Item Code	Part Number				WP Conn./ disconn. MPa	Thread	d <sub>3</sub>	d <sub>7</sub>	d <sub>9</sub>	l <sub>2</sub>	l <sub>3</sub>	l <sub>5</sub>	t <sub>1</sub>	SW <sub>3</sub>
		DASH	DN	inch										
1219634	R1Q-340008	-6	10	3/8"	40	BSPP	3/8"	32	24	54	36	45	9	19
1219632	R1Q-340010	-8	12	1/2"	25	BSPP	1/2"	39	30	63	41	45	16	27
1229069	R1Q-340013	-12	20	3/4"	25	BSPP	1"	51	43	88,5	55	68	18	36
1229982	R1Q-340004	-6	10	3/8"	40	NPTF	3/8"	32	24	54	36	45	9	19
1229984	R1Q-340011	-8	12	1/2"	25	NPTF	1/2"	39	30	63	41	45	16	27
1229986	R1Q-340012	-12	20	3/4"	25	NPTF	1"	51	43	88,5	55	68	18	36
1229992	R1Q-340160	-6	10	3/8"	40	SAE/UNF	9/16"-18	32	24	54	36	45	9	19
1229994	R1Q-340166	-8	12	1/2"	25	SAE/UNF	3/4"-16	39	30	63	41	45	16	27
1229996	R1Q-340167	-12	20	3/4"	25	SAE/UN	1"5/16-12	51	43	88,5	55	68	18	36
1229089	R1Q-340007	-6	10	3/8"	40	MET	M16x1,5	32	24	54	36	45	9	19
1229090	R1Q-340009	-8	12	1/2"	25	MET	M22x1,5	39	30	63	41	45	16	27
1229091	R1Q-340130	-12	20	3/4"	25	MET	M30x1,5	51	43	88,5	55	68	18	36

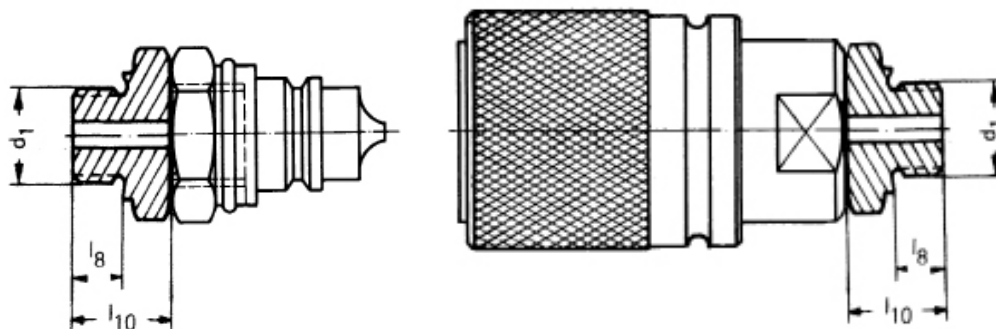
BSPP connection according to DIN 3852-2-X, NPTF connection according to ANSI B1-20.3, metric connection according to DIN 3852, SAE UNF/UN connection according to SAE J 1926-1

**STANDARD ISO 5675 - Poppet SVK-1H**

**Male coupling - female thread**

Item Code	Part Number				WP Conn./ disconn. MPa	Thread	d <sub>3</sub>	d <sub>8</sub>	l <sub>3</sub>	l <sub>13</sub>	t <sub>1</sub>	SW <sub>2</sub>
		DASH	DN	inch								
1219633	R1Q-340002	-6	10	3/8"	40	BSPP	3/8"	22	36	10	14	22
1219631	R1Q-340003	-8	12	1/2"	25	BSPP	1/2"	-	45	18	16	27
1229020	R1Q-340006	-12	20	3/4"	25	BSPP	1"	41	55	20	18	41
1229987	R1Q-340176	-6	10	3/8"	40	NPTF	3/8"	22	36	10	14	22
1229989	R1Q-340131	-8	12	1/2"	25	NPTF	1/2"	-	45	18	16	27
1229991	R1Q-340183	-12	20	3/4"	25	NPTF	1"	41	55	20	18	41
1230002	R1Q-340184	-6	10	3/8"	40	SAE/UNF	9/16"-18	22	36	10	14	22
1230004	R1Q-340208	-8	12	1/2"	25	SAE/UNF	3/4"-16	-	45	18	16	27
1230006	R1Q-340211	-12	20	3/4"	25	SAE/UN	1"5/16-12	41	55	20	18	41
1229061	R1Q-340000	-6	10	3/8"	40	MET	M16x1,5	22	36	10	14	22
1229062	R1Q-340001	-8	12	1/2"	25	MET	M22x1,5	-	45	18	16	27
1229063	R1Q-340005	-12	20	3/4"	25	MET	M30x1,5	41	55	20	18	41

BSPP connection according to DIN 3852-2-X, NPTF connection according to ANSI B1-20.3, metric connection according to DIN 3852, SAE UNF/UN connection according to SAE J 1926-1



## STANDARD ISO 5675 - Poppet SVK-1H push-pull

Female coupling - male thread

Item Code	Part Number				WP Conn./ disconn. MPa	Fitting	d <sub>1</sub> mm	l <sub>8</sub> mm	l <sub>10</sub> mm
		DASH	DN	inch					
1229064	R1Q-340094	-6	10	3/8"	40	AGF	1/4"	12	19
1229065	R1Q-340095	-6	10	3/8"	40	AGF	3/8"	12	19
1229066	R1Q-340096	-8	12	1/2"	25	AGF	1/2"	14	23
1229068	R1Q-340097	-12	20	3/4"	25	AGF	3/4"	16	29
1229067	R1Q-340098	-12	20	3/4"	25	AGF	1"	18	31

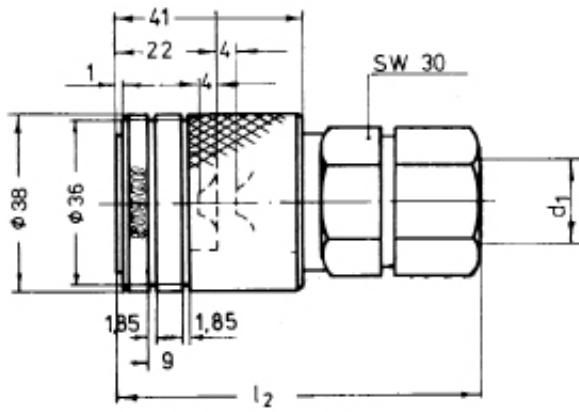
AGF connection according to DIN 3901 heavy duty range with pipe thread G (BSPP), type A to DIN 3852-2

## STANDARD ISO 5675 - Poppet SVK-1H

Male coupling - male thread


Item Code	Part Number				WP Conn./ disconn. MPa	Fitting	d <sub>1</sub> mm	l <sub>8</sub> mm	l <sub>10</sub> mm
		DASH	DN	inch					
1229015	R1Q-340076	-6	10	3/8"	40	AGF	1/4"	12	19
1229016	R1Q-340077	-6	10	3/8"	40	AGF	3/8"	12	19
1229017	R1Q-340078	-8	12	1/2"	25	AGF	1/2"	14	23
1229019	R1Q-340079	-12	20	3/4"	25	AGF	3/4"	16	29
1229018	R1Q-340080	-12	20	3/4"	25	AGF	1"	18	31

AGF connection according to DIN 3901 heavy duty range with pipe thread G (BSPP), type A to DIN 3852-2

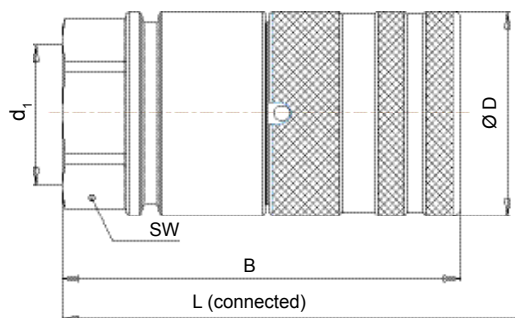


**STANDARD ISO 5675 - Poppet SPK-1H male connectable under pressure**

Female coupling - female thread

Item Code	Part Number				WP Conn./ disconn. MPa	Thread	d <sub>1</sub> mm	l <sub>2</sub> mm
		DASH	DN	inch				
1231470	R1Q-1231470	-8	12	1/2"	25	BSPP	1/2"	80
1231471	R1Q-1231471	-8	12	1/2"	25	NPTF	1/2"	80
1231472	R1Q-1231472	-8	12	1/2"	25	SAE/UNF	3/4"-16	80
1231473	R1Q-1231473	-8	12	1/2"	25	MET	M22x1,5	80

BSPP connection according to DIN 3852-2-X, NPTF connection according to ANSI B1-20.3, metric connection according to DIN 3852, SAE UNF/UN connection according to SAE J 1926-1

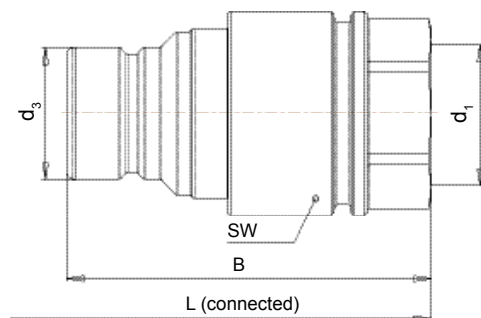


## STANDARD ISO 16028 - Flat Face FPK

### Female coupling - female thread


Item Code	Part Number				WP Conn./ disconn. MPa	Min BP Conn./ disconn. MPa	Thread	d <sub>1</sub>	B	Ø D	L	SW
		DASH	DN	inch								
1229101	R1Q-1229101	-4	6	1/4"	35	140	BSPP	1/4"	57,8	28	97	20
1229102	R1Q-1229102	-6	10	3/8"	35	140	BSPP	3/8"	69,3	32	117	27
1224380	R1Q-1224380	-6	10	3/8"	35	140	BSPP	1/2"	69,3	32	117	27
1229103	R1Q-1229103	-8	13	1/2"	35	140	BSPP	1/2"	74,5	38	125	32
1224381	R1Q-1224381	-8	13	1/2"	35	140	BSPP	3/4"	74,5	38	125	32
1232287	R1Q-1232287	-10	16	5/8"	35	140	BSPP	3/4"	81,3	40	134	34
1229105	R1Q-1229105	-12	19	3/4"	35	140	BSPP	3/4"	93	48	156	42
1224382	R1Q-1224382	-12	19	3/4"	35	140	BSPP	1"	93	48	156	42
1231464	R1Q-1231464	-16	25	1"	35	140	BSPP	1"	101	55	177	50
1229106	R1Q-1229106	-16	25	1"	35	140	BSPP	1 1/4"	101	55	177	50
1229213	R1Q-1229213	-4	6	1/4"	35	140	NPTF	1/4"	49,2	28	96,3	20
1229214	R1Q-1229214	-6	10	3/8"	35	140	NPTF	3/8"	67	32	129	27
1229215	R1Q-1229215	-6	10	3/8"	35	140	NPTF	1/2"	67	32	129	27
1229216	R1Q-1229216	-8	13	1/2"	35	140	NPTF	1/2"	74,6	38	142,6	32
1229217	R1Q-1229217	-8	13	1/2"	35	140	NPTF	3/4"	74,6	38	142,6	32
1232382	R1Q-1232382	-10	16	5/8"	35	140	NPTF	3/4"	81,3	40	133,5	34
1229219	R1Q-1229219	-12	19	3/4"	35	140	NPTF	3/4"	92,5	48	177,5	42
1232460	R1Q-1232460	-12	19	3/4"	35	140	NPTF	1"	92,5	48	177,5	42
1231467	R1Q-1231467	-16	25	1"	35	140	NPTF	1"	100,5	55	199,5	50
1229236	R1Q-1229236	-6	10	3/8"	35	140	SAE/UNF	9/16"-18	67	32	129	27
1229238	R1Q-1229238	-8	13	1/2"	35	140	SAE/UNF	3/4"-16	74,6	38	142,6	32
1232384	R1Q-1232384	-10	16	5/8"	35	140	SAE/UN	1"1/16-12	81,3	40	133,5	34
1229241	R1Q-1229241	-12	19	3/4"	35	140	SAE/UN	1"1/16-12	92,5	48	177,5	42
1229243	R1Q-1229243	-16	25	1"	35	140	SAE/UN	1"5/16-12	100,5	55	199,5	50
1231469	R1Q-1231469	-6	10	3/8"	35	140	MET	M22x1,5	67	32	129	27

BSPP connection according to DIN 3852-2-X, NPTF connection according to ANSI B1-20.3, metric connection according to ISO 6149-1, SAE UNF/UN connection according to SAE J 1926-1



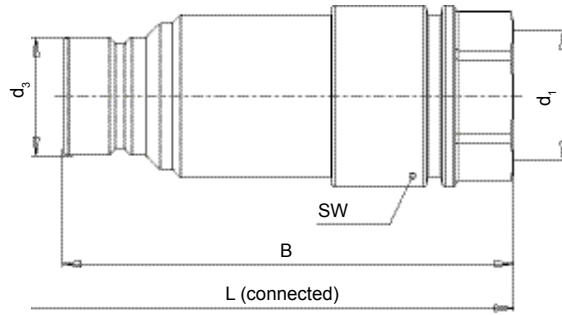
**STANDARD ISO 16028 - Flat Face FPK**

**Male coupling - female thread**


Item Code	Part Number				WP Conn./ disconn. MPa	Min BP Conn./ disconn. MPa	Thread	d <sub>1</sub>	B	d <sub>3</sub>	L	SW
		DASH	DN	inch								
1229109	R1Q-1229109	-4	6	1/4"	35	140	BSPP	1/2"	50,5	16,2	97	20
1229110	R1Q-1229110	-6	10	3/8"	35	140	BSPP	3/8"	64	19,7	117	27
1229111	R1Q-1229111	-6	10	3/8"	35	140	BSPP	1/2"	64	19,7	117	27
1229112	R1Q-1229112	-8	13	1/2"	35	140	BSPP	1/2"	68	24,6	125	32
1224377	R1Q-1224377	-8	13	1/2"	35	140	BSPP	3/4"	68	24,6	125	32
1232288	R1Q-1232288	-10	16	5/8"	35	140	BSPP	3/4"	70	27	134	34
1229113	R1Q-1229113	-12	19	3/4"	35	140	BSPP	3/4"	85	29,9	156	42
1224378	R1Q-1224378	-12	19	3/4"	35	140	BSPP	1"	85	29,9	156	42
1231463	R1Q-1231463	-16	25	1"	35	140	BSPP	1"	99	36	177	50
1229114	R1Q-1229114	-16	25	1"	35	140	BSPP	1 1/4"	99	36	177	50
1229224	R1Q-1229224	-4	6	1/4"	35	140	NPTF	1/2"	49,2	28	96,3	20
1229225	R1Q-1229225	-6	10	3/8"	35	140	NPTF	3/8"	62	19,7	129	27
1229226	R1Q-1229226	-6	10	3/8"	35	140	NPTF	1/2"	62	19,7	129	27
1229227	R1Q-1229227	-8	13	1/2"	35	140	NPTF	1/2"	68	24,6	142,6	32
1229228	R1Q-1229228	-8	13	1/2"	35	140	NPTF	3/4"	68	24,6	142,6	32
1232383	R1Q-1232383	-10	16	5/8"	35	140	NPTF	3/4"	70	27	133,5	34
1229230	R1Q-1229230	-12	19	3/4"	35	140	NPTF	3/4"	85	29,9	177,5	42
1232461	R1Q-1232461	-12	19	3/4"	35	140	NPTF	1"	85	29,9	177,5	42
1231466	R1Q-1231466	-16	25	1"	35	140	NPTF	1"	99	36	199,5	50
1229247	R1Q-1229247	-6	10	3/8"	35	140	SAE/UNF	9/16"-18	62	19,7	129	27
1229249	R1Q-1229249	-8	13	1/2"	35	140	SAE/UNF	3/4"-16	68	24,6	142,6	32
1232385	R1Q-1232385	-10	16	5/8"	35	140	SAE/UN	1"1/16-12	70	27	133,5	34
1229252	R1Q-1229252	-12	19	3/4"	35	140	SAE/UN	1"1/16-12	85	29,9	177,5	42
1229254	R1Q-1229254	-16	25	1"	35	140	SAE/UN	1"5/16-12	99	36	199,5	50
1231468	R1Q-1231468	-6	10	3/8"	35	140	MET	M22x1,5	62	19,7	129	27

BSPP connection according to DIN 3852-2-X, NPTF connection according to ANSI B1-20.3, metric connection according to ISO 6149-1, SAE UNF/UN connection according to SAE J 1926-1

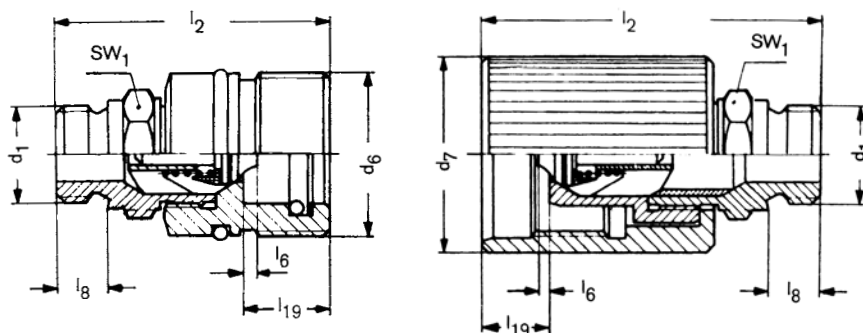




## STANDARD ISO 16028 - Flat Face FPP connectable under pressure Male coupling - female thread

Item Code	Part Number				WP Conn./ disconn. MPa	Min BP Conn./ disconn. MPa	Thread	d <sub>1</sub>	SW	B	d <sub>3</sub>	L
		DASH	DN	inch								
1232283	ON REQUEST	-6	10	3/8"	35	140	BSPP	3/8"	27	82,5	19,7	134
1231474	R1Q-1231474	-8	13	1/2"	35	140	BSPP	1/2"	32	94,5	24,6	152
1232284	ON REQUEST	-12	19	3/4"	35	140	BSPP	3/4"	42	118,5	29,9	189,5

BSPP connection according to DIN 3852-2-X



**SCREW COUPLING - Poppet HDK**

Female coupling (fixed part) - male thread

Item Code	Part Number				WP Conn./ disconn. MPa	Fitting	DN Fitting	d <sub>1</sub>	d <sub>6</sub>	l <sub>2</sub>	l <sub>6</sub>	l <sub>8</sub>	l <sub>19</sub>	SW <sub>1</sub>
		DASH	DN	inch										
1228935	R1Q-340477	-5	8	5/16"	45	AGF	8	3/8"	Rd 28x2	54	3	12	14,5	22
1219534	R1Q-340478	-8	12	1/2"	40	AGF	12	1/2"	Rd 36x2	61,5	3,1	14	17	27
1228936	R1Q-340479	-12	20	3/4"	31,5	AGF	16	3/4"	Rd 48x3	87,5	7,6	16	26	41
1228937	R1Q-340480	-12	20	3/4"	31,5	AGF	20	1"	Rd 48x3	90	7,6	18	26	41

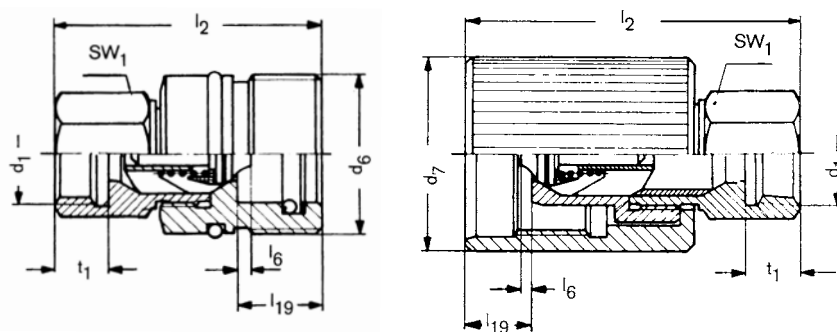
AGF connection according to DIN 3901 heavy duty range with pipe thread G (BSPP), type A to DIN 3852-2

**SCREW COUPLING - Poppet HDK**

Male coupling (loose part) - male thread

Item Code	Part Number				WP Conn./ disconn. MPa	Fitting	DN Fitting	d <sub>1</sub>	d <sub>7</sub>	l <sub>2</sub>	l <sub>6</sub>	l <sub>8</sub>	l <sub>19</sub>	SW <sub>1</sub>
		DASH	DN	inch										
1228919	R1Q-340445	-5	8	5/16"	45	AGF	8	3/8"	34	64	3	12	12,5	22
1219526	R1Q-340446	-8	12	1/2"	40	AGF	12	1/2"	42	75,5	4	14	15,5	27
1228920	R1Q-340447	-12	20	3/4"	31,5	AGF	16	3/4"	55	91	9	16	11	41
1228921	R1Q-340448	-12	20	3/4"	31,5	AGF	20	1"	55	91	9	18	11	41

AGF connection according to DIN 3901 heavy duty range with pipe thread G (BSPP), type A to DIN 3852-2



## SCREW COUPLING - Poppet HDK

Female coupling (fixed part) - female thread

Item Code	Part Number				WP Conn./ disconn. MPa	Thread	DN Fitting	d <sub>1</sub>	d <sub>6</sub>	l <sub>2</sub>	l <sub>6</sub>	l <sub>19</sub>	t <sub>1</sub> /t <sub>2</sub>	SW <sub>1</sub>
		DASH	DN	inch										
1219538	R1Q-340449	-5	8	5/16"	45	BSPP	3/8"	Rd 28x2	55	3	14,5	14	22	22
1219537	R1Q-340450	-8	13	1/2"	40	BSPP	1/2"	Rd 36x2	60,5	4	17	16	27	27
1219536	R1Q-340451	-16	25	1"	31,5	BSPP	3/4"	Rd 48x3	89,5	9	26	18	41	41
1219535	R1Q-340452	-16	25	1"	31,5	BSPP	1"	Rd 48x3	92,5	9	26	20	41	41
1230056	R1Q-340421	-20	32	1 1/4"	31,5	BSPP	1 1/4"	Rd 70x3	115	12	36	-	55	27
1228938	R1Q-340453	-8	13	1/2"	4	NPTF	1/2"-14	Rd 36x2	61,5	4	17	16,5	27	41
1228939	R1Q-340454	-16	25	1"	3,15	NPTF	3/4"-14	Rd 48x3	84,5	9	26	17	41	41
1228940	R1Q-340455	-16	25	1"	3,15	NPTF	1"-11,5	Rd 48x3	88,5	9	26	20,5	41	41
1232387	R1Q-340422	-20	32	1 1/4"	31,5	NPTF	1 1/4"	Rd 70x3	115	12	36	-	55	
1231479	R1Q-340412	-16	25	1"	31,5	SAE UN	1 1/16"-12	Rd 48x3	89,5	9	26	18	41	

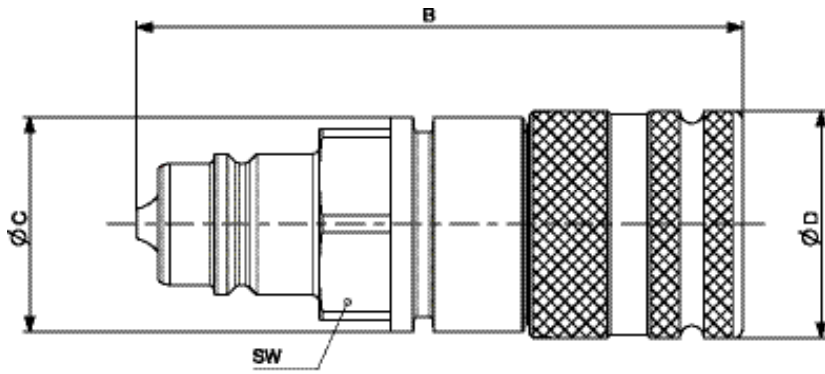
BSPP connection according to DIN 3852-2-X, NPTF connection according to ANSI B1-20.3, metric connection according to DIN 3852, SAE UNF/UN connection according to SAE J 1926-1

## SCREW COUPLING - Poppet HDK

Female coupling (loose part) - female thread


Item Code	Part Number				WP Conn./ disconn. MPa	Thread	DN Fitting	d <sub>1</sub>	d <sub>7</sub>	l <sub>2</sub>	l <sub>6</sub>	l <sub>19</sub>	t <sub>1</sub>	SW <sub>1</sub>
		DASH	DN	inch										
1219530	R1Q-340470	-5	8	5/16"	45	BSPP	3/8"	34	65	3	12,5	14	22	22
1219529	R1Q-340471	-8	13	1/2"	40	BSPP	1/2"	42	74,5	4	15,5	16	27	27
1219528	R1Q-340472	-16	25	1"	31,5	BSPP	3/4"	55	98	9	11	18	41	41
1219527	R1Q-340473	-16	25	1"	31,5	BSPP	1"	55	101	9	11	20	41	41
1230063	R1Q-340423	-20	32	1 1/4"	31,5	BSPP	1 1/4"	80	117	12	10	-	55	27
1228922	R1Q-340474	-8	13	1/2"	40	NPTF	1/2"-14	42	75,5	4	15,5	16,5	27	41
1228923	R1Q-340475	-16	25	1"	31,5	NPTF	3/4"-14	55	93	9	11	17	41	41
1228924	R1Q-340476	-16	25	1"	31,5	NPTF	1"-11,5	55	97	9	11	20,5	41	41
1232388	R1Q-340424	-20	32	1 1/4"	31,5	NPTF	1 1/4"	80	117	12	10	-	55	
1231480	R1Q-340486	-16	25	1"	31,5	SAE UN	1 1/16"-12	55	98	9	11	18	41	

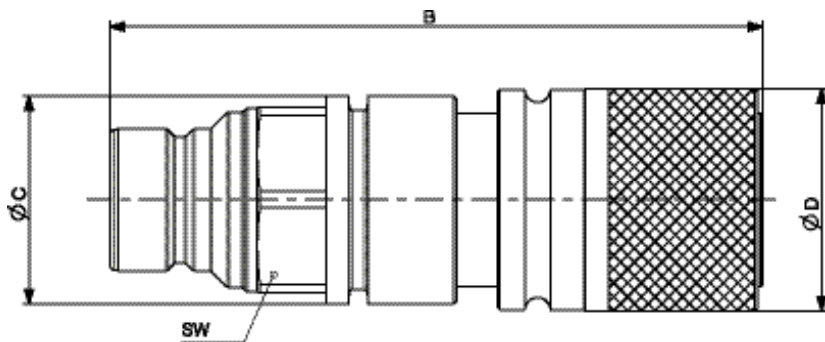
BSPP connection according to DIN 3852-2-X, NPTF connection according to ANSI B1-20.3, metric connection according to DIN 3852, SAE UNF/UN connection according to SAE J 1926-1



**QUICK CONNECT ADAPTER - Flat Face - ISO A 1/2"**


Female flat face ISO 16028 - Male poppet ISO 7241 A

Item Code	Part Number				WP Connected MPa	Min BP Connected MPa	C Ø mm	D Ø mm	B mm	SW mm
		DASH	DN	inch						
1230322	R1Q-1230322	-8	12	1/2	35	140	36	38	101,7	32



**QUICK CONNECT ADAPTER - Flat Face - ISO A 1/2"**

Male flat face ISO 16028 - Female poppet ISO 7241 A

Item Code	Part Number				WP Connected MPa	Min BP Connected MPa	C Ø mm	D Ø mm	B mm	SW mm
		DASH	DN	inch						
1230323	R1Q-1230323	-8	12	1/2	35	140	36	38,6	113	32



# ACCESSORIES

- BALL VALVES..... 102
- RETAINING SYSTEMS ..... 103-104
- HOSE PROTECTION ..... 105
- NYLON CHAIN..... 106
- STAINLESS STEEL CHAIN..... 107
- HOSE FLOATS..... 108



## BALL VALVE

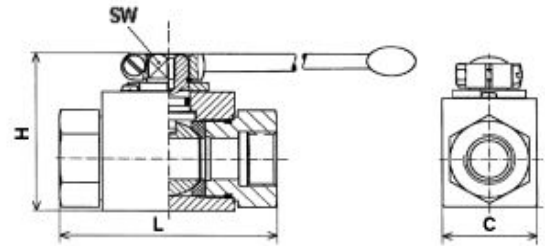
A complete range to fit low and high pressure lines. Shock-resistant, engineered to be used in harsh environments, they can have connections to pipes or hoses, according to the specific applications demands.

### 2-WAY BALL VALVE

Series BKH-MKH DIN-ISO 1219

BSP Female

(NPTF female also available)



Part Number	ID mm	ID in	ID dash size	THREAD SIZE	WP Mpa	WP psi	L mm	C mm	H mm	SW
R1VBKH0006-G041	6	1/4	4	1/4-19	50	7250	69	26	47	9
R1VBKH0010-G061	10	3/8	6	3/8-19	50	7250	72	32	52	9
R1VBKH0013-G081	13	1/2	8	1/2-14	50	7250	83	35	54	9
R1VBKH0020-G121	20	3/4	12	3/4-14	31,5	4550	35	49	75	14
R1VBKH0025-G201	25	1	16	1 1/4-11	31,5	4550	120	58	83	14
R1VBKH0025-G161	25	1	16	1-11	31,5	4550	113	58	83	14
R1VMKH0032-G205	32	1 1/4	20	1 1/4-11	35	5050	111	81	107	17
R1VMKH0040-G245	40	1 1/2	24	1 1/2-11	35	5050	130	100	124	17
R1VMKH0050-G325	50	2	32	2-11	35	5050	140	118	138	17

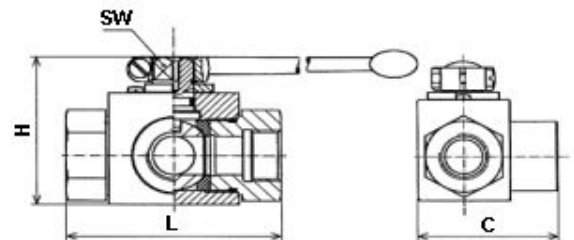
STAINLESS STEEL VERSION AVAILABLE ON REQUEST

### 3-WAY BALL VALVE

Series BK3 DIN 2429

BSP Female

(NPTF female also available)



Part Number	ID mm	ID in	ID dash size	THREAD SIZE	WP Mpa	WP psi	L mm	C mm	H mm	SW
R1VBK3L006-G042	6	1/4	4	1/4-19	31,5	4550	69	48	47	9
R1VBK3L010-G062	10	3/8	6	3/8-19	31,5	4550	72	52	52	9
R1VBK3L013-G082	13	1/2	8	1/2-14	31,5	4550	83	59	54	9
R1VBK3L020-G122	20	3/4	12	3/4-14	31,5	4550	95	72	75	14
R1VBK3L025-G162	25	1	16	1-11	31,5	4550	113	90	83	14

STAINLESS STEEL VERSION AVAILABLE ON REQUEST

**WHIP CHAIN**

Whip chains are a retaining system made of high tensile cables used for restraint of assemblies, should they accidentally separate. Alfagomma can offer a wide range of whip chains for:

- Hoses attached with port adapters
- Hoses using flange-style connections

Whip chains are to be used in combination with the specific hose band, depending on diameter.



Item code	Part Number	DESCRIPTION	Additional description
1902258	R1YCCH1-0240250	Retaining Sys. band 24-25mm	STOPFA2425
1902260	R1YCCH1-0250260	Retaining Sys. band 25-26mm	STOPFA2526
1902261	R1YCCH1-0260270	Retaining Sys. band 26-27mm	STOPFA2627
1902263	R1YCCH1-0270280	Retaining Sys. band 27-28mm	STOPFA2728
1902264	R1YCCH1-0280290	Retaining Sys. band 28-29mm	STOPFA2829
1902265	R1YCCH1-0300310	Retaining Sys. band 30-31mm	STOPFA3031
1902267	R1YCCH1-0320330	Retaining Sys. band 32-33mm	STOPFA3233
1902268	R1YCCH1-0340350	Retaining Sys. band 34-35mm	STOPFA3435
1902270	R1YCCH1-0360370	Retaining Sys. band 36-37mm	STOPFA3637
1902272	R1YCCH1-0380390	Retaining Sys. band 38-39mm	STOPFA3839
1902273	R1YCCH1-0390400	Retaining Sys. band 39-40mm	STOPFA3940
1902274	R1YCCH1-0400410	Retaining Sys. band 40-41mm	STOPFA4041
1902275	R1YCCH1-0420430	Retaining Sys. band 42-43mm	STOPFA4243
1902277	R1YCCH1-0430440	Retaining Sys. band 43-44mm	STOPFA4344
1902278	R1YCCH1-0440450	Retaining Sys. band 44-45mm	STOPFA4445
1902279	R1YCCH1-0450470	Retaining Sys. band 45-47mm	STOPFA4547
1902281	R1YCCH1-0480500	Retaining Sys. band 48-50mm	STOPFA4850
1902283	R1YCCH1-0510530	Retaining Sys. band 51-53mm	STOPFA5153
1902285	R1YCCH1-0530540	Retaining Sys. band 53-54mm	STOPFA5354
1902286	R1YCCH1-0540560	Retaining Sys. band 54-56mm	STOPFA5456
1902287	R1YCCH1-0570590	Retaining Sys. band 57-59mm	STOPFA5759
1902288	R1YCCH1-0600620	Retaining Sys. band 60-62mm	STOPFA6062
1902290	R1YCCH1-0630650	Retaining Sys. band 63-65mm	STOPFA6365
1902291	R1YCCH1-0660680	Retaining Sys. band 66-68mm	STOPFA6668
1902292	R1YCCH1-0690710	Retaining Sys. band 69-71mm	STOPFA6971
1902293	R1YCCH1-0720740	Retaining Sys. band 72-74mm	STOPFA7274
1902294	R1YCCH1-0750770	Retaining Sys. band 75-77mm	STOPFA7577
1902295	R1YCCH1-0780800	Retaining Sys. band 78-80mm	STOPFA7880
1902296	R1YCCH1-0810830	Retaining Sys. band 81-83mm	STOPFA8183
1902297	R1YCCH1-0840860	Retaining Sys. band 84-86mm	STOPFA8486
1902299	R1YCCH1-0870890	Retaining Sys. band 87-89mm	STOPFA8789
1902300	R1YCCH1-0900920	Retaining Sys. band 90-92mm	STOPFA9092
1902301	R1YCCH1-0930950	Retaining Sys. band 93-95mm	STOPFA9395
1902252	R1YCCD1-1700200	Retaining Sys. DKO ID17 L300 - sling for M16	STOPFUDIN17
1902510	R1YCCD1-1850200	Retaining Sys. DKO ID18.5 L300 - sling for M18	STOPFUDIN185
1902511	R1YCCD1-2050200	Retaining Sys. DKO ID20.5 L300 - sling for M20	STOPFUDIN205
1902257	R1YCCD1-2250300	Retaining Sys. DKO ID22.5 L300 - sling	STOPFUDIN225
1902259	R1YCCD1-2450200	Retaining Sys. DKO ID24.5 L300 - sling for M24	STOPFUDIN245
1902262	R1YCCD1-2650200	Retaining Sys. DKO ID26.5 L300 - sling for M26	STOPFUDIN265
1902266	R1YCCD1-3050200	Retaining Sys. DKO ID30.5 L300 - sling for M30	STOPFUDIN305
1902269	R1YCCD1-3400450	Retaining Sys. DKO ID34 L450 - sling	STOPFUDIN34
1902271	R1YCCD1-3650450	Retaining Sys. DKO ID36.5 L450 - sling for M36	STOPFUDIN365
1902276	R1YCCD1-4250450	Retaining Sys. DKO ID42.5 L450 - sling for M42	STOPFUDIN425
1902280	R1YCCD1-4550450	Retaining Sys. DKO ID45.5 L450 - sling for M45	STOPFUDIN455
1902512	R1YCCD1-4900450	Retaining Sys. DKO ID49 L450 - sling	STOPFUDIN49
1902284	R1YCCD1-5250450	Retaining Sys. DKO ID52.5 L450 - sling for M52	STOPFUDIN525
1902298	R1YCCF1-0850300	Retaining Sys. FL. ID08.5 L300 - for flange 3000 & 6000 1/2"	STOPFUSAE085
1902243	R1YCCF1-1050450	Retaining Sys. FL. ID10.5 L450 - for flange 3000 3/4"-1"-1 1/4 & 6000 3/4"	STOPFUSAE105
1902246	R1YCCF1-1250450	Retaining Sys. FL. ID12.5 L450 - for flange 3000 1 1/2"-2"-2 1/2 & 6000 1"	STOPFUSAE125
1901675	R1YCCF1-1450450	Retaining Sys. FL. ID14.5 L450 - for flange 6000 1 1/4"	STOPFUSAE145
1901670	R1YCCF1-1650450	Retaining Sys. FL. ID16.5 L450 - for flange 3000 3"-3 1/2"-4"-5" & 6000 1 1/2"	STOPFUSAE165
1901083	R1YCCF1-2050450	Retaining Sys. FL. ID20.5 L450 - for flange 6000 2"	STOPFUSAE205
1902509	R1YCCV1-1300450	Retaining Sys. ID13 L450 - sling for generic fitting	STOPFUVARIE



## WHIP SOCK

Safety retaining sock for various hose types, with tie-on device for retrofitting existed hose lines without disconnecting hose fittings.



Type	for hose O/D in mm	SHHO-63-0002 15 - 25	SHHO-63-0003 20 - 40	SHHO-63-0001 30 - 50	SHHO-63-0004 50 - 65	SHHO-63-0005 60 - 80
R13	DN				31, 40	51
R15	DN			25, 31	40	
4SH	DN		19	25, 31	38	51
4SP	DN	6, 10	12, 16, 19	25		
2SN	DN	6, 8, 10, 12	16, 19, 25	31	38	51
1SN	DN	8, 10, 12, 16	19, 25	31	38	51
241T	DN	8, 10, 12, 16	19, 25			
1SC	DN	10, 12, 16	19, 25			
2SC	DN	8, 10, 12, 16	19, 25			

**FIRE PROTECTION SLEEVE**

Woven mineral fibre flame protection sleeve with silicon external coating.  
Used to protect hoses and fittings from extreme temperatures.  
To be fixed with hose clamps or crimped rings.

**Temperature:** +250 °C (482 °F)  
intermittent to 1500 °C (2732 °F)



Item code	Part. Number	d mm
1901772	RLYGAS0-0130000	13
1901103	RLYGAS0-0160000	16
1901774	RLYGAS0-0190000	19
1901775	RLYGAS0-0220000	22
1901771	RLYGAS0-0250000	25
1901151	RLYGAS0-0290000	29
1901770	RLYGAS0-0320000	32
1901110	RLYGAS0-0380000	38
1901773	RLYGAS0-0510000	51
1901114	RLYGAS0-0640000	64
2600094	RLYGAS0-0760000	76

**MSHA TEXTILE SLEEVE**

Polyester sleeve to protect the hose from abrasion, weathering and high temperature.  
MSHA IC-152/18 approval.

**Temperature:** -40 °C +150 °C (-40 °F +300 °F)



Item code	Part. Number	ID mm	ID inch
1900143	RTY0G0A-02000T0	20	0,79
1900147	RTY0G0A-02500T0	25	0,98
1900142	RTY0G0A-03000T0	30	1,18
1902519	RTY0G0A-03500T0	35	1,38
1900145	RTY0G0A-04000T0	40	1,57
1900168	RTY0G0A-04500T0	45	1,77
1900183	RTY0G0A-05000T0	50	1,97
1900167	RTY0G0A-06500T0	65	2,56
1900157	RTY0G0A-07500T0	75	2,95
1900151	RTY0G0A-09000T0	90	3,54

**PLASTIC PROTECTIVE FLAT COIL SLEEVE**

The plastic coil sleeve is resistant against air, water, oil, petrol, hydraulic liquids etc.  
This coil sleeve can also be used for group bundling of hose lines.

**Temperature:** -20 °C to +84 °C (-4 °F to +180 °F)

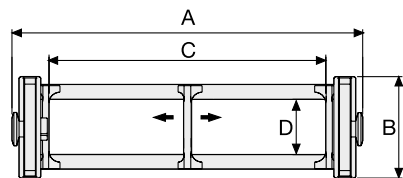


Item code	Part. Number	ID mm	OD in	Hose OD range mm
1901634	RJS1AG0-0130000	13	16	13-18
1901635	RJS1AG0-0160000	16	20	18-24
1901636	RJS1AG0-0200000	20	25	24-28
1901067	RJS1AG0-0270000	27	32	28-40
1902051	RJS1AG0-0350000	35	40	35-45
1901076	RJS1AG0-0430000	43	50	40-55
1902520	RJS1AG0-0550000	55	63	55-62
1901142	RJS1AG0-0660000	66	75	60-70
1901089	RJS1AG0-0800000	80	90	70-90
1901641	RJS1AG0-0990000	99	110	80-105
1902521	RJS1AG0-1270000	127	140	120-150

## HEAVY SERIES

Heavy series nylon chains are made strong and resistant to ensure high response to pull and push forces.

With their heavy connection pivot pin these chains offer high integrity in high performance application. Wide range of cross pieces and nylon separator available.



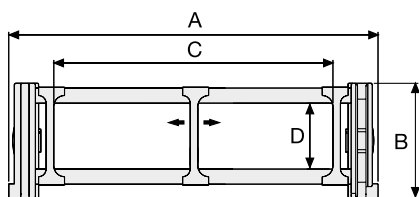
Chain type	Pitch mm	Bending Radius		C Internal width		D Internal height		A External width		B External height
		from mm	to mm	from mm	to mm	from mm	to mm	from mm	to mm	mm
306 (SU, B)	65	75	300	43	355	30	37	79	391	55
307 (SU, B)	70	75	250	42	354	40	47	80	392	64
308 (SU, B)	80	150	400	38	350	48	57	82	394	75
309 (SU, B)	100	200	500	64	400	70	75,5	120	456	100
310 (T)	145	200	750	200	600	112	-	260	660	150
H57	90	150	400	50	362	57	-	88	400	85

SI/SE/SU=inner/outer/both radius snapfit, B=bars, T= aluminum draw plates

## SLIDING SERIES

Sliding series nylon chains are made for long travel distance and high protection due to the travel in their guide channel. They have a completely smooth surface, integrated skids to permit the chain to slide on itself and no wearing thanks to special polymers.

Wide range of cross pieces and separators available.

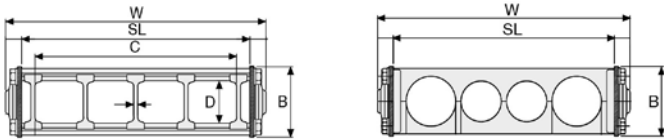


Chain type	Pitch mm	Bending Radius		C Internal width		D Internal height		A External width		B External height
		from mm	to mm	from mm	to mm	from mm	to mm	from mm	to mm	mm
326 (SI/SE, B)	65	107	300	61	373	30	37	89	416	59
328 (SI/SE, B)	80	150	400	61	373	48	57	116	428	79
319 (SE, B)	100	200	500	64	400	70	75,5	128	464	107
329 (B, SU, CU)	100	150	600	64	488	75,5	-	128	552	107
478(MI/ME)	105	150	400	74	498	75,5	-	112	536	106,5
M60	90	150	400	115	539	60,5	-	165	589	90
M80	110	200	700	115	539	80,5	-	195	619	117
H80	120	200	600	74	498	80,5	-	129	553	114
H110	160	200	750	74	498	115	-	129	553	155

SI/SE/SU=inner/outer/both radius snapfit, B=bars, T= aluminum draw plates

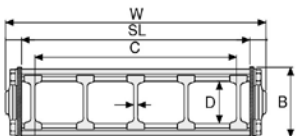
**STEEL STANDARD CHAINS**

Steel chains are born for all applications where the nylon chains are not suitable. Especially for rig, steel chain offers high performance, strength and security. These chains are made of stainless steel with a wide range of aluminum drilled frames or steel rods with movable separators.



Chain type	Pitch mm	Bending Radius		C Internal width		D Internal height		W External width		B External height mm
		from mm	to mm	from mm	to mm	from mm	to mm	from mm	to mm	
20XL	75	75	305	79	304	32	-	internal width + 32		53
30XL	95	150	535	106	506	52	58	140	540	74
35XL	125	200	600	104	504	65	70	148	548	95
40XN	-	-	-	-	-	-	-	-	-	-
45XN	250	400	1500	300	600	182	180	390	690	220

**STEEL CUSTOM CHAINS**



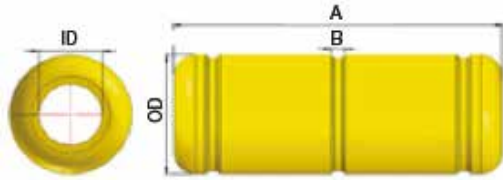
Chain type	Pitch mm	Bending Radius		C Internal width		D Internal height		W External width from mm	B External height mm
		from mm	to mm	from mm	to mm	from mm	to mm		
6350XB	350	500	1500	500	-	337	-	internal width + 98	400
8600XB	625	700	200	1215	-	525	-	internal width + 118	600
8700XB	625	800	1800	760	-	625	-	internal width + 118	700

## HOSE FLOATS

Hose flotation devices are used in various fields of marine activities, such as offshore oil and gas industry and port facilities.

**Material:** Low density ethylene vinyl acetate

**Feature:** High buoyancy and excellent resistance to deforming or breaking



Item code	Part Number	Hose DN	ID mm	OD mm	A Length mm	B Groove mm	Weight kg	Buoyancy kg
2303992	RMYGFLK-1000600	76	100	235	600	28	2,24	17
2303993	RMYGFLK-1200600	102	120	235	600	28	2,07	15
2303994	RMYGFLK-1450600	127	145	240	600	28	2,07	15
2306474		127	145	280	750	32	2,24	22











**The Products sold or distributed by Seller are warranted to its customers to be free from defects in material and workmanship at the time of shipment by us, subject to the following provisions:**

all warranty claims shall be made within six (6) months after seller shipped the products. seller's liability and customer's remedy hereunder, under any theory of law or equity, including without limitation, for breach of contract, negligence, or otherwise, is limited, at seller's exclusive discretion, solely to 1) the purchase price of any products proving defective; 2) repair of any defective product or part thereof; or 3) replacement of any defective product or part upon its authorized return to seller.

This warranty is in lieu of and excludes, without limitation and to the fullest extent allowable by law, all other warranties or conditions, expressed, implied, statutory, or otherwise created under applicable law including, but not limited to, the warranty of merchantability, the warranty of fitness for a particular purpose, conditions of satisfactory quality, any obligation or warranty to remote purchasers, and those from a course of dealing or usage of trade.

In addition, this warranty shall not apply to any products or portions thereof that have been subjected to abuse, misuse, improper installation, maintenance, or operation, electrical failure or abnormal conditions, and to products that have been tampered with, altered, modified, repaired, reworked by anyone not approved by seller, or used in any manner inconsistent with any instructions or specifications provided with or for the product.

In no event shall seller or the manufacturer of the product have any liability whatsoever to any person, including without limitation, any immediate buyer, remote purchaser, or other third party, for any special, punitive, incidental, or consequential damages, including without limitation, loss of profits of customer or any other person, loss or damage to physical property of customer or any other person, and loss of anticipated revenue, profits, goodwill, savings, or other economic loss of customer or any other person, even if advised of the possibility thereof in advance, whether or not arising in, caused by, or resulting from, breach of contract, the negligence of seller and/or the manufacturer of the product, or otherwise, unless specifically provided herein and except any liability that cannot be excluded or limited by applicable law.

There are no warranties that extend beyond the description on the face hereof.

