



POWERING PROGRESS™

**HYDRAULIC HOSE &
COUPLING
APPLICATION GUIDE**



About Gates India

Gates is India's most advanced and World Class hose and tube assembly manufacturer. As the Indian subsidiary of more than 100 years old Gates Corporation, USA, it has established itself firmly in the Indian hose market. Equipped with the latest technology, the manufacturing facility of Gates India is spread over an area of 35 acres at Lalru, near Chandigarh. Gates also has well equipped assembly facilities in Faridabad and Pune to serve our customers better. Looking at the current usage of extreme high pressure application and customers demand Gates has embarked on various expansion projects at the Lalru facility. With our extremely qualified experienced Employees and Channel partners serving diversified markets across India truly has right mix of people and offerings to delight our customers. Being a world leader we always strive for innovation and providing cutting edge training to serve our customer better at all times.

While providing quality services and products to its customers, Gates growth journey has continued through numerous technological advancements and expansion. It is our continuous commitment to bring in new products and technologies in hydraulics by focusing on key markets like Energy, Exploration & Extraction, Infrastructure and Agriculture, Transportation, Automotive and Process & Specialty. Going forward Gates India focusing a lot on micro markets like Plastic Processing, Machine tools, Petrol dispensing et al.

Continuous investment in R&D, World class Manufacturing Capabilities, Most advanced Testing Equipment's and process control made our products more reliable and customer friendly. Gates hydraulic hoses are certified by ABS, DNV, GL and Lloyd's Register and specific products are certified by ARAI and UL.

Today, we have to our credit a distinguished client list in the construction, mining & earthmoving industries, Oil & Gas, Injection molding and many more. Our products are also reaching foreign shores through markets in the U.S., Europe, South Africa, Japan, China, Singapore, Australia, Brazil and other countries which ensures one product quality one world.

Over the years, Gates has built its reputation by providing the highest quality products and services. That dedication to quality continues today with the Gates Quality Commitment. At Gates, the definition of quality is simple and straightforward - "To meet or exceed customer expectations with products, services and experiences that are superior to the competition." Gates' stringent quality practices ensure that each 'Made in India' product meets the industry's highest standards and qualifies as Gates Global Hydraulic and Industrial products for Fluid conveyance.

Long-Standing Relationships with Leading India Customers

An industry leader in Hose Assemblies, Gates is well known for its superior quality and technological expertise which is further entrusted by our esteemed customers from diversified industries.

- **OEM's** : JCB, CNH, Caterpillar, Atlas Copco, Hyundai, Mahindra & Mahindra, Hyva, Sany, L&T Gilbargo, Tokheim, Midco, Eimco Elecon, Ferromatik -Milacron, Elgi.
- **Mining** : Coal India, Singareni Collieries Company Ltd., Hindustan Zinc
- **Metal** : Tata Steel, SAIL, JSW, Hindalco Industries Ltd., Balco, Sterlite, Sesa Sterlite, Hindustan Copper, Nalco, Essar, Vizag Steel Plant (RINL), Primetals.
- **Oil & Gas** : IOCL, BPCL, HPCL, ONGC, IBP
- **Others** : Major cements plants Like ACC, Ultratech, Gujarat Ambuja, Jaypee and customers from Defence, Railways and NTPC

Long-Standing Relationships with Leading Global Customers

- JCB, CNH, John Deere, Bombardier, Caterpillar, Daimler, Sany, Inductotherm Corp., Hyundai, Komatsu, Doosan, Schindler and many more.

**Save
Money**



**with
GATES**

HOSE ASSEMBLY ROUTING TIPS



Proper hose installation is essential for satisfactory performance. If hose length is excessive, the appearance of the installation will be unsatisfactory and unnecessary cost of equipment will be involved. If hose assemblies are too short to permit adequate flexing and changes in length due to expansion or contraction, hose service life will be reduced. The following diagrams show proper hose installations which provide maximum performance and cost savings. Consider these examples in determining length of a specific assembly.

WRONG
RIGHT

When hose installation is straight, allow enough slack in hose line to provide for length change which will occur when pressure is applied.

WRONG
RIGHT

When radius is below the required minimum, use an angle adapter to avoid sharp bends.

WRONG
RIGHT

Adequate hose length is necessary to distribute movement on flexing applications and to avoid abrasion

WRONG
RIGHT

Use proper angle adaptor to avoid tight or bend in hose

WRONG
RIGHT

Avoid twisting of hose lines bent in two planes by clamping hose at change of plane

WRONG
RIGHT

Prevent twisting and distortion by bending hose in same plane as the motion of the port to which hose is connected

WRONG
RIGHT

Reduce number of pipe thread joints by using hydraulic adaptors instead of pipe fittings.

WRONG
RIGHT

Route hose directly by using 45° and /or 90° adaptors and fittings. Avoid excessive hose length to improve appearance.

WRONG
RIGHT

High ambient temperatures shorten hose life, so make sure hose is kept away from hot parts. If this is not possible, insulate hose

NO PRESSURE
HIGH PRESSURE

To allow for length change when hose is pressurized, do not clamp at bends so that curve will absorb changes. Do not clamp high and low pressure lines together.

WRONG
RIGHT

To avoid hose collapse and flow restriction keep hose bend radii as large as possible. Refer to hose specification tables for minimum bend radii

WRONG
RIGHT

Elbows and adapters should be used to relieve strain on the assembly, and to provide neater installations which will be more accessible for inspection and maintenance.

WRONG
RIGHT

When installing hose, make sure it is not twisted. Pressure applied to a twisted hose can result in hose failure or loosening of connections.

WRONG
RIGHT

Run hose in the installation so that it avoids rubbing and abrasion. Often, Clamps are required to support long hose runs or to keep hose away from moving parts. Use clamps of the correct size a clamp too large allows hose to move inside the clamp and cause abrasion



ADDITIONAL TEMPERATURE LIMITS FOR GATES HYDRAULIC HOSES

Caution : Water, Water/oil emulsions and water/glycol solutions must be kept below the temperatures listed in the tables below, relative to line pressures. Low pressure applications, i.e., in return lines require lower maximum temperatures as shown.

Maximum Temperature Limits For Water, Water/oil Emulsions and water/Glycol Solutions

Hose	Pressure Lines	Return Lines
EFG6K, EFG5K, EFG4K, EFG3K, CPS, MINING , C3, C6, G1, G2, M2T, M6K, M5K, M4K, M3K, AGR1, AGR2, 4XP-XTF, 4XP, 4XH-XTF, 4XH, J2AT	+93°C	+82 ° C
G2H, G1H, MegaTech ACR G2XH, GTH	+107 ° C	+82 ° C

Do not expose hose to maximum temperature and maximum rated working pressure at the same time.

Caution : The fluid manufacturer's recommended maximum operating temperature for any given fluid not be exceeded. If different than the above listed hose temperatures, the lower must precedence.

Actual service life at temperatures approaching the recommended limit will depend on the particular application and the fluid being used in the hose intermittent (up to 10% of operating time) refers to momentary temperatures surges. Deterioral effects increase with increased exposure to elevated temperatures.

DASH NUMBERS

GATES MEETS THESE AGENCY SPECIFICATIONS

Dash No.	Hose I.D. (Inches)				Hose Type	ABS	DIN	DNV	EN	German ischer Lloyds	IJS	DGMS	SAE	MSHA	USCG	
	All except C5 Series , C14 and Ac134a		C5 Series, C14 and Ac134a												FUEL	POWER
	Inches	mm	Inches	mm												
-3	3/16	4.8	-	-	EFG6K	X	20023	X	EN856				100R15	X		X
-4	1/4	6.4	3/16	4.8	EFG5K	X	20023	X	EN856				100R13	X		X
-5	5/16	7.9	1/4	6.4	EFG4K		20023		EN856				100R12	X		
-6	3/8	9.5	5/16	7.9	EFG3K	X	20023		EN856				100R12	X		
-8	1/2	12.7	13/32	10.3	4XH	X	20023		EN856					X		
-10	5/8	15.9	1/2	12.7	4XP	X	20023		EN856					X		
-12	3/4	19.0	5/8	15.9	CPS		20023					X	100R13			
-14	7/8	22.2	-	-	G2	X	20022		EN853	X			100R2 TYPEAT	X		X
-16	1	25.4	7/8	22.2	G2H			X	EN853				100R2 TYPEAT	X	X	X
-20	1-1/4	31.8	1-1/8	28.6	J2AT						X			X		
-24	1-1/2	38.1	1-3/8	34.9	MINING			X				X(BCS174)				
-32	2	50.8	1-13/16	46.0	G1		20022	X	EN853	X			100R1 TYPEAT	X		X
-40	2-1/2	63.5	2-3/8	60.3	G1H	X		X	EN853				100R1 TYPEAT	X	X	
-48	3	76.2	-	-	GTH	X			EN854				100R6			
-56	3-1/2	88.9	-	-	C6				EN854				100R6			
-64	4	101.6	-	-	C3				EN854				100R3			
					G3H				EN854				100R3			
					AGR1				EN853				100R1			
					AGR2				EN853				100R2			

AGENCY SPECIFICATIONS AND HOSE SELECTION GUIDE

INDUSTRY AGENCIES

ABS	American Bureau of shipping
DIN	Doutch Industry Norm, Germany
DNV	Det Norske Veritas
EN	European Norm/Standard
IJS	Industrial Jack Specification
GL	Germanischer Lloyd
SAE	Society Of Automotive Engineers

GOVERNMENT AGENCIES

MSHA	U.S. Mine Safety & Health Administration
USCG	U.S. Coast Guard
DGMS	Directorate General Of Mines & Safety, India
DGQA	Directorate General Of Quality Assurance, India

FOOTNOTES

- Ⓜ Available with unique abrasion resistant MegaTuff® cover. MegaTuff® hose lasts upto 300 times longer than the standard hose during hose-to-hose and hose-to-metal abrasion rest per ISO 6945
- ⓍTF Available with xtra Tuff® in 4XP & 4XH
- 1. Also available in XtraTuff™ and MegaTuff® covers
- # for water emulsions etc see overleaf
- * Gates proprietary hose. Not covered under SAE standard
- ** Product under release at the time of going into print. Please contact customer care.
BCS 174: 1992 Qualification requires 1,00,000 impulse cycles at 133% of dynamic working pressure and 35±5 cycle per minute.
- ¶ Meets BCS 174 : 1992 powered roof support leg yield circuit specification
- ψ Where pressure surges are minimal, e.g. Power roof support application
- ⊠ SAE 100 R 13 qualification requires 5,00,000 (half million) impulse cycle at 121° C fluid temperature.
- † Meets or exceeds the DIN (Deutsche Industries Norms) 20023/ Jan 1985 dynamic working pressure.
- β Where pressure surges are minimal, e.g. Power roof support applications

- This data is only representative of the Gates Industrial Hose range and not a comprehensive list of all sizes of Hydraulic Hoses manufactured by Gates. For types and sizes not mentioned here please contact Gates Customer Care.
- Due to continual product improvements, Gates reserves the right to alter specification and prices without prior notice. This Hydraulic Hose Catalog is the latest edition & supercedes all earlier Gates Hydraulic catalogs.

Megasys Spiral Wire Hose-EFG6K-SAE 100R15

Meets Flame Resistance Acceptance Designation "MSHA 2G"

*Also available in Megatuff® covers

Recommended for : Extremely high pressure, high-impulse action such as hydrostatic transmissions, EFG6K is designed to meet all requirements of SAE 100R15 specifications and performance requirements of EN 856 4SP (-6, -8, -10 and -12) and EN 856 4SH (-12, -16 and -20). Compatible with biodegradable hydraulic based fluids like polyolester, polyglycol and vegetable oil as well as standard petroleum based fluids. Superior impulse performance : tested to 1,000,000 impulse cycles

Tube: Black, oil resistant synthetic rubber [Nitrile- Type C].

Reinforcement: Four (Six for-20) alternating layers of spiraled, high tensile steel wire.

Cover: Black, oil resistant, synthetic rubber [Neoprene - Type A]. Blue stripe with gold layline

Temperature Range : -40°C to +121°C

Coupling : GS (Thru-6 to -20) & GSM (Thru -24 & -32)



SPECIFICATIONS

Description	Product No.	Hose ID		Hose OD		Working Pressure		Min Burst Pressure		Min Bend Radius	
		Inch	mm	Inch	mm	psi	bar	psi	bar	Inch	mm
6 EFG6K	4651-1396	3/8	20.2	0.8	6,000	420	24,000	1680	2.5	63.5	
8 EFG6K	4651-1371	1 / 2	24.0	0.9	6,000	420	24,000	1680	3.5	88.9	
10 EFG6K	4651-1672	5/8	27.6	1.1	6,000	420	24,000	1680	4.0	101.6	
12 EFG6K	4651-4909	3/4	31.4	1.2	6,000	420	24,000	1680	4.8	120.7	
16 EFG6K	4651-4910	1	38.7	1.5	6,000	420	24,000	1680	6.0	152.4	
20 EFG6K	4651-1290	1-1/4	50.0	2.0	6,000	420	24,000	1680	8.3	209.6	

Megasys Spiral Wire Hose-EFG5K-SAE 100R13

Meets Flame Resistance Acceptance Designation "MSHA 2G"

*Also available in Megatuff® covers

Recommended for: Extremely high hydraulic applications EFG5K is designed to meet all requirements of SAE 100R13 specifications and performance requirements of EN 856 4SH (-24 and -32) and EN 856 R13. Compatible with biodegradable hydraulic based fluids like polyolester, polyglycol and vegetable oil as well as standard petroleum based fluids. Superior impulse performance : tested to 1,000,000 impulse cycles

Tube: Black, oil resistant synthetic rubber [Nitrile- Type C].

Reinforcement: Four (Six for-20) alternating layers of spiraled, high tensile steel wire.

Cover: Black, oil resistant, synthetic rubber [Neoprene - Type A]. Dual red strip layline

Temperature Range : -40°C to +121°C

Coupling : GS (Thru-6 to -20) & GSM (Thru -24 & -32)



SPECIFICATIONS

Description	Product No.	Hose ID		Hose OD		Working Pressure		Min Burst Pressure		Min Bend Radius	
		Inch	mm	Inch	mm	psi	bar	psi	bar	Inch	mm
6 EFG5K	4651-1424	3/8	20.2	0.8	5,000	350	20,000	1400	5.0	127.0	
8 EFG5K	4651-1679	1 / 2	24.0	0.9	5,000	350	20,000	1400	3.5	88.9	
10 EFG5K	4651-1675	5/8	27.6	1.1	5,000	350	20,000	1400	4.0	101.6	
12 EFG5K	4651-4903	3/4	31.4	1.2	5,000	350	20,000	1400	4.8	120.7	
16 EFG5K	4651-4904	1	38.7	1.5	5,000	350	20,000	1400	6.0	152.4	
20 EFG5K	4651-1393	1-1/4	50.0	2.0	5,000	350	20,000	1400	8.3	209.6	
24 EFG5K	4651-0771	1-1/2	57.3	2.3	5,000	350	20,000	1400	10.0	254.0	
32 EFG5K	4651-0772	2	71.1	2.8	5,000	350	20,000	1400	25.0	635.0	



Megasys Spiral Wire Hose-EFG4K-SAE 100R12

Meets Flame Resistance Acceptance Designation "MSHA 2G"

*Also available in Megatuff® covers

Recommended for : Extremely high pressure high-impulse applications. Exceeds all performance requirements of for SAE 100R12, EN856R12 and EN 856 4SP (-16). Compatible with biodegradable hydraulic fluids like polyolester, polyglycol and vegetable oil as well as standard petroleum based fluids, Superior impulse performance : tested to 1,000,000 impulse cycles.

Tube: Black, oil resistant synthetic rubber [Nitrile- Type C].

Reinforcement: Four alternating layers of spiraled, high tensile steel wire.

Cover: Black, oil resistant, synthetic rubber [Neoprene - Type A]. Blue strip with white print layline

Temperature Range : -40°C to +121°C

Coupling : GS



SPECIFICATIONS

Description	Product No.	Hose ID		Hose OD		Working Pressure		Min Burst Pressure		Min Bend Radius	
		Inch	mm	Inch	mm	psi	bar	psi	bar	Inch	mm
6 EFG4K	4651-1338	3/8	20.3	0.8	4,000	280	16,000	1120	2.5	63.5	
8 EFG4K	4651-1339	1 / 2	24.8	1.0	4,000	280	16,000	1120	3.5	88.9	
10 EFG4K	4651-1367	5/8	27.6	1.1	4,000	280	16,000	1120	4.0	101.9	
12 EFG4K	4651-4901	3/4	30.7	1.2	4,000	280	16,000	1120	4.8	120.7	
16 EFG4K	4651-4902	1	38.0	1.5	4,000	280	16,000	1120	6.0	152.4	
20 EFG4K	4651-1284	1-1/4	47.0	1.9	4,000	280	16,000	1120	8.3	210.1	
20 EFG3K	**	1-1/4	47.0	1.9	3,000	210	12,000	840	8.3	210.8	

Global M5K Mega5000™ Hose

Recommended for : High-pressure hydraulic applications. Provides tighter than standard minimum bend radius and greater flexibility for easier plumbing.

Tube: Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

Reinforcement: Two braids of high-tensile steel wire.

Cover: Black, oil, abrasion and weather resistant, synthetic rubber (Modified Nitrile - Type C2), with color coded layline. Also available with unique abrasion resistant MegaTuff® or XtraTuff™ cover.

Temperature Range: -40°C to +100°C

Coupling: G (MegaCrimp)



SPECIFICATIONS

Description	Product No.	Hose ID		Hose OD		Working Pressure		Min Burst Pressure		Min Bend Radius	
		Inch	mm	Inch	mm	psi	bar	psi	bar	Inch	mm
4M5K	4657-1100	1/4	14.0	0.55	5,000	345	20,000	1379	2.0	50.8	
5M5K	4657-8006	5/16	15.4	0.61	5,000	345	20,000	1379	2.2	55.9	
6M5K	4657-2695	3/8	17.7	0.70	5,000	345	20,000	1379	2.5	63.5	

Global M5K Mega5000™ Hose-XtraTuff™ Cover

Recommended for: High-pressure hydraulic applications. Provides tighter than standard minimum bend radius and greater flexibility for easier plumbing.

Tube: Black, oil resistant, synthetic rubber (Nitrile - Type C)

Reinforcement: Two braids of high-tensile steel wire.

Cover: Black, oil, abrasion and weather resistant, synthetic rubber (Modified Nitrile-Type C2), with color coded layline. Also available in Standard or MegaTuff® cover.

Temperature Range: -40°C to +100°C

Coupling: G (MegaCrimp®)



SPECIFICATIONS

Description	Product No.	Hose ID		Hose OD		Working Pressure		Min Burst Pressure		Min Bend Radius	
		Inch	mm	Inch	mm	psi	bar	psi	bar	Inch	mm
4M5KXTF	4657-8007	1/4	14.0	0.55	5,000	345	20,000	1379	2.0	50.8	
5M5KXTF	4657-8008	5/16	15.4	0.61	5,000	345	20,000	1379	2.2	55.9	
6M5KXTF	4657-8009	3/8	17.7	0.70	5,000	345	20,000	1379	2.5	63.5	

Megasys Wire Braid Hose-M4K

Exceeds SAE 100R19 and ISO 11237
R19 Flame resistant MSHA-2G-11C

Recommended for: M4K is designed to meet all requirements of SAE 100R1 (-4) and SAE 100R2 (-6, -8, 10) and SAE 100R12 (-12). Compatible with biodegradable hydraulic based fluids. Superior impulse performance : tested to 6,00,000 impulse cycles

Tube: Black, oil resistant, synthetic rubber (Nitrile - Type C).

Reinforcement: Two braids of high-tensile steel wire.

Cover: Black, synthetic rubber (Modified Nitrile - Type C2), resists abrasion, oil, weather, ozone

Temperature Range : -40°C to +100°C

Coupling: G (MegaCrimp®)



SPECIFICATIONS

Description	Product No.	Hose ID		Hose OD		Working Pressure		Min Burst Pressure		Min Bend Radius	
		Inch	mm	Inch	mm	psi	bar	psi	bar	Inch	mm
4M4K	4657-4776	1/4	12.2	0.5	4,000	280	16,000	1120	1.5	38.1	
6M4K	4657-4777	3/8	16.0	0.6	4,000	280	16,000	1120	2.0	50.8	
8M4K	4657-4793	1 / 2	20.2	0.8	4,000	280	16,000	1120	2.8	71.1	
10M4K	4657-5056	5/8	25.2	1.0	4,000	280	16,000	1120	3.0	76.2	
12M4K	4657-5060	3/4	29.1	1.1	4,000	280	16,000	1120	3.8	96.5	

Megasys Wire Braid Hose-M4K Xtra Tuff™

Exceeds SAE 100R19 and ISO 11237
R19 Flame resistant MSHA-2G-11C

Recommended for : High-pressure hydraulic applications. Provides tighter than standard minimum bend radius and greater flexibility for easier plumbing.

Tube: Black, oil resistant, synthetic rubber (Nitrile - Type C).

Reinforcement: Two braids of high-tensile steel wire.

Cover: Black, oil, abrasion and weather resistant, synthetic rubber (Modified Nitrile - Type C2), with color coded layline. Also available in Standard or MegaTuff® cover.

Temperature Range : -40°C to +100°C

Coupling : G (MegaCrimp®)



SPECIFICATIONS

Description	Product No.	Hose ID		Hose OD		Working Pressure		Min Burst Pressure		Min Bend Radius	
		Inch	mm	Inch	mm	psi	bar	psi	bar	Inch	mm
4M4K XTF	4657-4776	1/4	12.2	0.5	4,000	280	16,000	1120	1.5	38.1	
6M4K XTF	4657-4777	3/8	16.0	0.6	4,000	280	16,000	1120	2.0	50.8	
8M4K XTF	4657-4793	1 / 2	20.2	0.8	4,000	280	16,000	1120	2.8	71.1	
10M4K XTF	4657-5056	5/8	25.2	1.0	4,000	280	16,000	1120	3.8	76.2	

M-XP Million Impulse Cycle Braid Hose

Flame resistant US MSHA-2G-11C

Recommended for : Hydraulic systems, 4000 PSI W.P. High impulse applications

Tube: Nitrile

Reinforcement: 2 wire braids

Cover: Nitrile

Temperature Range : -40°C to +100°C

Coupling : G (MegaCrimp®) & GS(Thru -6 to-12)



SPECIFICATIONS

Description	Product No.	Hose ID		Hose OD		Working Pressure		Min Burst Pressure		Min Bend Radius	
		Inch	mm	Inch	mm	psi	bar	psi	bar	Inch	mm
4M-XP	4657-4216	1/4	13.7	0.5	4,000	280	16,000	1120	2.0	50.8	
6M-XP	4657-4217	3/8	17.5	0.7	4,000	280	16,000	1120	2.5	63.5	
8M-XP	4657-4218	1 / 2	18.7	0.7	4,000	280	16,000	1120	3.5	88.9	
10M-XP	4657-4219	5/8	22.2	0.9	4,000	280	16,000	1120	4.0	101.6	
12M-XP	4657-4220	3/4	29.4	1.2	4,000	280	16,000	1120	4.8	121.9	

Megasys Wire Braid Hose-M3K

Upto 1/3rd SAE Bend Radius

Recommended for : M3K is designed to meet all requirements of SAE100R1 (-4,-6,-8) and SAE100R2 (-12, -6). Compatible with biodegradable hydraulic fluids. Superior impulse tested to 6,00,000 cycles. M3K also has 25% lower MBR than SAE.

Tube: Black, oil resistant, synthetic rubber (Nitrile).

Reinforcement: Braided, high-tensile steel wire; 3/16" to 1/2" have one braid, 5/8" to 1" have two braids

Cover: Black, oil, abrasion and weather & ozone resistant, synthetic rubber (Modified Nitrile - Type C2)

Temperature Range : -40°C to +100°C

Coupling : G (MegaCrimp®)



SPECIFICATIONS

Description	Product No.	Hose ID		Hose OD		Working Pressure		Min Burst Pressure		Min Bend Radius	
		Inch	mm	Inch	mm	psi	bar	psi	bar	Inch	mm
4M3K	4657-4778	1/4	12.2	0.5	3,250	225	13,000	900	1.5	38.1	
6M3K	4657-4779	3/8	16.0	0.6	3,250	225	13,000	900	2.0	50.8	
8M3K	4657-4780	1/2	20.2	0.8	3,250	225	13,000	900	2.8	71.1	
10M3K	4657-4782	5/8	25.2	1.0	3,250	225	13,000	900	3.0	76.2	
12M3K	4657-4781	3/4	29.1	1.1	3,250	225	13,000	900	3.8	96.5	
16M3K	4657-5061	1	37.6	1.5	3,250	225	13,000	900	4.5	114.3	

4XH Spiral Wire Hose-EN856 4SH ISO 3862

Meets Flame Resistance Acceptance Designation "MSHA IC-4/17"

EXTREMELY HIGH PRESSURE

Recommended for : Extremely high hydraulic applications. Most flexible EN 856 4SH Hose in industry Compatible with biodegradable hydraulic fluids like synthetic ester, polyglycol and vegetable oil as well as standard petroleum based fluids, superior impulse performance : tested to 1,000,000 impulse cycles

Tube: Black, oil resistant synthetic rubber [Nitrile- Type C].

Reinforcement: Four alternating layers of spiraled, high tensile steel wire.

Cover: Black, oil resistant, synthetic rubber [Neoprene - Type A].

Temperature Range : -40°C to +100°C

Coupling : GS & GSP (-24)



SPECIFICATIONS

Description	Product No.	Hose ID		Hose OD		Working Pressure		Min Burst Pressure		Min Bend Radius	
		Inch	mm	Inch	mm	psi	bar	psi	bar	Inch	mm
10 4XH	4651-1685	5/8	27.7	1.09	6,527	450	26,100	1800	4.0	120	
12 4XH	4651-4907	3/4	31.5	1.2	6,100	420	26,100	1680	8.3	211	
16 4XH	4651-4908	1	37.7	1.5	5,600	386	22,400	1544	8.7	221	
20 4XH	4651-1775	1-1/4	45.2	1.8	5,000	350	20,300	1400	16.5	420	
24 4XH	4651-0831	1-1/2	53.3	2.1	4,351	299	17,404	1199	22.0	559	

4XH-XTF Series Spiral Wire Hose

Recommended for : Extremely high pressure and high impulse hydraulic applications, Superior impulse performance: 4XP & 4XH hose is compatible with biodegradable hydraulic fluids like synthetic esters, polyglycols and vegetable oils as well as petroleum-based fluids.

Tube: Black, oil resistant synthetic rubber [Nitrile- Type C].

Reinforcement: Four alternating layers of spiraled, high tensile steel.

Cover: Black, oil resistant, & weather resistant Xtratuff synthetic rubber [Modified Nitrile- Type C2].

Temperature Range : -40°C to +100°C

Coupling : GS



SPECIFICATIONS

Description	Product No.	Hose ID		Hose OD		Working Pressure		Min Burst Pressure		Min Bend Radius	
		Inch	mm	Inch	mm	psi	bar	psi	bar	Inch	mm
12 4XH XTF	4651-0838	3/4	31.5	1.2	6,091	420	24,366	1680	8.3	210.8	
16 4XH XTF	4651-0839	1	37.7	1.5	5,598	386	22,394	1544	8.7	221.0	
20 4XH XTF	4651-0840	1-1/4	45.2	1.8	5,004	345	20,305	1400	16.5	419.1	

4XP Spiral Wire Hose - EN 856 4SP ISO 3862

Meets Flame Resistance Acceptance Designation "MSHA IC-4/17"

Recommended for : Extremely high impulse hydraulic applications. Most flexible EN 856 4SP hose in industry. Superior impulse performance : tested to 1,000,000 impulse cycles at bend radius lower than EN 856 standard. Compatible with biodegradable hydraulic fluids like synthetic ester, polyglycol and vegetable oil as well as standard petroleum based fluids

Tube: Black, oil resistant synthetic rubber [Nitrile].

Reinforcement: Four alternating layers of spiraled, high tensile steel wire.

Cover: Black, oil resistant, synthetic rubber [Nitrile]

Temperature Range : -40°C to +100°C

Coupling: GS



SPECIFICATIONS

Description	Product No.	Hose ID	Hose OD		Working Pressure		Min Burst Pressure		Min Bend Radius	
			Inch	mm	psi	bar	psi	bar	Inch	mm
6 4XP	**	3/8	21.2	0.8	6,650	460	26,600	1840	7.1	180.3
8 4XP	4651-10033	1/2	24.3	1.0	6,150	425	24,600	1700	4.7	119.4
10 4XP	4651-10034	5/8	27.7	1.1	5,800	400	23,200	1600	5.5	139.7
12 4XP	4651-4905	3/4	31.5	1.2	5,500	380	23,925	1650	6.7	170.2
16 4XP	4651-4906	1	39.0	1.5	4,650	320	20,300	1400	13.4	340.4
20 4XP	4651-1682	1-1/4	49.8	2.0	3,050	210	18,120	1250	18.1	459.7

4XP-XTF Series Spiral Wire Hose

Recommended for : Extremely high pressure and high impulse hydraulic applications, Superior impulse performance: 4XP & 4XH hose is compatible with biodegradable hydraulic fluids like synthetic esters, polyglycols and vegetable oils as well as petroleum-based fluids.

Tube: Black, oil resistant, synthetic rubber (Nitrile - Type C).

Reinforcement: Four alternating layer of spiraled high-tensile steel.

Cover: Black, oil, abrasion and weather resistant Xtratuff synthetic rubber [Modified Nitrile-Type C2]

Temperature Range : -40°C to +100°C

Coupling: GS



SPECIFICATIONS

Description	Product No.	Hose ID	Hose OD		Working Pressure		Min Burst Pressure		Min Bend Radius	
			Inch	mm	psi	bar	psi	bar	Inch	mm
8 4XP XTF	4651-4832	1/2	24.3	1.0	6,164	425	24,656	1700	4.7	119.4
10 4XP XTF	4651-0833	5/8	27.7	1.1	5,801	400	23,206	1600	5.5	139.7
12 4XP XTF	4651-0834	3/4	31.5	1.2	5,511	380	23,931	1650	6.7	170.18
16 4XP XTF	4651-0835	1	39.0	1.5	4,641	320	20,305	1400	13.4	340.36
20 4XP XTF	4651-0936	1-1/4	49.8	2.0	3,046	210	18120	1250	18.1	459.74



CPS Coal Power - 4 and 6 Spiral Hose

Meets Flame Resistance Acceptance Designation "MSHA 2G"

Recommended for : High pressure lines in longwall mining equipment and roof support systems / based on water emulsion fluids. Compatible with biodegradable hydraulic fluids like polyglycol and vegetable oil as well

Tube: Black, oil resistant, synthetic rubber (Nitrile - Type C).

Reinforcement: Four alternating layer of spiraled, high tensile steel wire in 3/4" & 1", 6-wire in case of 1 1/4 1 1/2 and 2" size/braids of high tensile steel.

Cover: Black, oil, abrasion and weather resistant synthetic rubber (neoprene). Yellow layline stripe.

Temperature Range : -40°C to +121°C

Coupling : GS (Thru -12 to -20) & GSM (Thru -24 & -32)



SPECIFICATIONS

Description	Product No.	Hose ID	Hose OD		Working Pressure		Min Burst Pressure		Min Bend Radius	
			Inch	mm	Inch	psi	bar	psi	bar	Inch
12 EF CPS	4651-0400	3/4	31.4	1.2	6,000	415	24,000	1655	4.8	120.7
16 EF CPS	4651-0401	1	38.7	1.5	6,000	415	24,000	1655	6.0	152.4
20 EF CPS	4651-0402	1-1/4	50.0	2.0	6,000	415	24,000	1655	8.3	209.6
24 EF CPS	4651-0415	1-1/2	57.3	2.3	6,000	350	20,000	1400	10.0	254.0
32 EF CPS	4651-0416	2	71.1	2.8	6,000	350	20,000	1400	25.0	635.0

BHL X-tra Hose

HIGH PRESSURE

Recommended for : Hose for high impulse and tight bend radius application. Mainly used for backhoe loader, other construction and earth moving application

Tube: Nitrile Black

Reinforcement: 2 braids of high tensile steel wire

Cover: Specially modified synthetic rubber

Temperature Range : -40°C to +120°C

Coupling : PCK



SPECIFICATIONS

Description	Product No.	Hose ID	Hose OD		Working Pressure		Min Burst Pressure		Min Bend Radius	
			Inch	mm	Inch	psi	bar	psi	bar	Inch
4 BHL	4657-8743	1/4	15.1	0.6	5075	350	20,300	1400	2.0	50.8
6 BHL	4657-8744	3/8	17.7	0.7	4785	330	19,140	1320	2.2	55.9
8 BHL	4657-8745	1 / 2	20.6	0.8	3987	275	15,950	1100	3.5	88.9
10 BHL	4657-8746	5/8	24.6	1.0	3987	275	15,950	1100	4.0	101.6

M2T

Carries US MSHA 2G-11C, Flame resistant rating

Recommended for : High pressure hydraulic applications.

Tube: Black, oil resistant synthetic rubber (NBR)

Reinforcement: Two braids of high-tensile steel wire.

Cover: Black, oil abrasion & weather resistant synthetic rubber, CR flame resistant-US MSHA 2G

Temperature Range : -40°C to +100°C

Coupling : G (-20) & GSP (-24 & -32)



SPECIFICATIONS

Description	Product No.	Hose ID	Hose OD		Working Pressure		Min Burst Pressure		Min Bend Radius	
			Inch	mm	Inch	psi	bar	psi	bar	Inch
20 M2T	4651-4534	1-1/4	31.5	1.24	2300	159	9200	634	8.25	210
24 M2T	4651-4491	1-1/2	38.0	1.49	2000	138	8000	551	10.0	254
32 M2T	4651-4492	2	51.0	2.00	1500	103	6000	413	12.5	318

G2 2-Wire Braid Hose - SAE 100R2

Meets Flame Resistance Acceptance Designation "MSHA 2G"

Recommended for : High pressure oil lines. Meets or exceeds the requirements of SAE 100R2AT. Sand performance requirements of EN 853 2SN.

Tube: Black, oil resistant, synthetic rubber (Nitrile - Type C).

Reinforcement: Two braids of high tensile steel wire

Cover: Black, oil, and abrasion resistant thin synthetic rubber [Modified Nitrile -Type C2]

Temperature Range : -40°C to +100°C

Coupling : G (MegaCrimp®) & GS (Thru -6 to -32)



SPECIFICATIONS

Description	Product No.	Hose ID	Hose OD		Working Pressure		Min Burst Pressure		Min Bend Radius	
			Inch	mm	Inch	psi	bar	psi	bar	Inch
3 G2	4657-8950	3/16	13.2	0.5	6,025	414	24,000	1655	3.5	88.9
4 G2	4657-4852	1/4	14.7	0.6	5,800	400	23,200	1600	4.0	101.6
5 G2	-	5/16	16.5	0.6	5,100	352	20,400	1408	2.3	57.15
6 G2	4657-4830	3/8	18.5	0.7	4,800	331	19,200	1324	5.5	127.0
8 G2	4657-4831	1/2	21.8	0.9	4,000	276	16,000	1104	7.0	177.8
10 G2	4657-4832	5/8	24.9	1.0	3,625	250	14,500	1000	8.0	203.2
12 G2	4657-4833	3/4	28.7	1.1	3,100	214	12,400	856	9.5	241.3
16 G2	4657-4834	1	37.5	1.5	2,400	166	9,600	664	12.0	304.8
20 G2	4657-4900	1-1/4	47.5	1.9	1,825	126	7,300	504	16.5	419.1
24 G2	4657-4894	1-1/2	54.6	2.1	1,300	90	5,000	360	20.0	508.0
32 G2	4657-4895	2	65.0	2.6	1,175	81	4,500	324	25.0	635.0

AG R2 2-Wire Braid Hose - SAE 100R2 Type AT

High Pressure Meets the requirements of SAE 100R2 Type AT Now meets EN853

Recommended for : High pressure hydraulic lines. Meets the requirements of SAE 100R2 Type AT & EN 853. Impulse tested up to 200,000

Tube: Black, oil resistant, synthetic rubber (Nitrile - Type C).

Reinforcement: Two braid of high tensile steel wire

Cover: Black, oil, and abrasion resistant, synthetic rubber (Modified CR).

Temperature Range : -40°C to +100°C

Coupling : G (MegaCrimp®) & PCK



SPECIFICATIONS

Description	Product No.	Hose ID	Hose OD		Working Pressure		Min Burst Pressure		Min Bend Radius	
			Inch	mm	Inch	psi	bar	psi	bar	Inch
4 AG R2	4657-5112	1/4	14.6	0.6	5800	400	23,200	1600	4.0	102
6 AG R2	4657-5115	3/8	18.6	0.7	4800	331	19,200	1324	6.3	160
8 AG R2	4657-5107	1/2	21.5	0.8	4000	276	16,000	1103	7.0	178
10 AG R2	4657-5113	5/8	24.9	0.9	3625	250	14,500	1000	7.9	201
12 AG R2	4657-5114	3/4	29.0	1.1	3125	216	12,500	862	9.5	241
16 AG R2	4657-5110	1	37.2	1.5	2400	166	9600	662	11.8	300



G2H High Temp, High Pressure

Recommended for : High pressure hydraulic oil lines. Meets or exceeds the requirements of SAE100R2AT and performance requirements of EN 853.

Tube: Black, oil resistant, synthetic rubber (Nitrile - Type C).

Reinforcement: Two braids of high tensile steel wire.

Cover: Black, oil resistant synthetic rubber (Hypalon +- Type M).

Temperature Range : -40°C to +135°C

Coupling: GS



SPECIFICATIONS

Description	Product No.	Hose ID		Hose OD		Working Pressure		Min Burst Pressure		Min Bend Radius	
		Inch	mm	Inch	mm	psi	bar	psi	bar	Inch	mm
20 G2H	4657-4911	1-1/4	47.5	1.9	1,650	126	6,500	448	16.5	419.1	
24 G2H	4657-4842	1-1/2	54.6	2.1	1,300	90	5,200	358	20.0	508.0	
32 G2H	4657-4843	2	67.3	2.6	1,175	81	4,700	324	25.0	635.0	

G2XH - Wire Braid Extreme Heat Hose-SAE100R2

Meets Flame Resistance Acceptance Designation "MSHA 2G"

Recommended for : High pressure hydraulic applications where pressure or temperature requirements exceed SAE 100R2AT Type S and EN 853 2SN or where resistance to either petroleum-base or phosphate ester fluids is required. Meets SAE J1942 requirements.

Tube: Black, oil chemical resistant, synthetic rubber (CPE).

Reinforcement: Two braid of high tensile steel wire.

Cover: Black, oil and abrasion resistant synthetic rubber Hypalon® flame resistance, U.S. MSHA2G

Temperature Range : -40°C to +149°C

Coupling : G (MegaCrimp) for -20 & GSP for -24 & -32



SPECIFICATIONS

Description	Product No.	Hose ID		Hose OD		Working Pressure		Min Burst Pressure		Min Bend Radius	
		Inch	mm	Inch	mm	psi	bar	psi	bar	Inch	mm
20G2XHXCTN	4657-4787	1-1/4	47.5	1.9	2250	155	9,000	628	16.5	419	
24G2XHXCTN	4657-4788	1-1/2	55.9	2.2	1300	91	5,200	364	20.0	508	
32G2XHXCTN	**	2	66.0	2.6	1175	82	4,700	329	25.0	635	

J2AT 2 - Wire Braid Jack Hose

Meets Flame Resistance Acceptance Designation "MSHA 2G" Meets IJ 100 Jack Hose spec.

Recommended for : Hydraulic jack applications. Meets Material Handling Institute specification IJ 100 for hydraulic hose and assemblies used with jacking systems.

Tube: Black, oil resistant, synthetic rubber (Nitrile - Type C).

Reinforcement: Two braid of high tensile steel wire.

Cover: Black, oil and abrasion resistant synthetic rubber (Modified Nitrile - Type C2).

Temperature Range : -40°C to +100°C

Coupling : G (MegaCrimp®)



SPECIFICATIONS

Description	Product No.	Hose ID		Hose OD		Working Pressure		Min Burst Pressure		Min Bend Radius	
		Inch	mm	Inch	mm	psi	bar	psi	bar	Inch	mm
4 J2AT	4657-8737	1/4	14.7	0.6	10,000	690	20,000	1380	4.0	101.6	
6 J2AT	4657-8751	3/8	18.8	0.7	10,000	690	20,000	1380	5.0	127.0	



Mining Hose

Meets BCS 174 : 1992 performance
Meets Flame Resistance Acceptance Designation “ MSHA 2G”

Recommended for : High pressure hydraulic lines in longwall mining equipment and roof support system: petroleum based or water emulsion fluids

Tube: Black, oil resistant, synthetic rubber (Nitrile).

Reinforcement: Two braid of high tensile steel wire.

Cover: Black, oil resistant abrasion resistant synthetic rubber (Modified Nitrile).

Temperature Range : -40°C to +100°C

Coupling : Mining coupling as per BCS 174 Standard



SPECIFICATIONS

Description	Product No.	Hose ID	Hose OD		Working Pressure		Min Burst Pressure		Min Bend Radius	
			Inch	mm	psi	bar	psi	bar	Inch	mm
DN 6	4654-7961	1/4	17.0	0.7	6,525	450	26,100	1,800	4.0	101.6
DN 10	4654-7962	3/8	21.3	0.8	5,500	380	22,000	1,520	5.1	129.5
DN 12	4654-7963	1/2	26.5	1.0	5,250	362	21,000	1,448	6.0	152.4
DN 20	4654-7964	3/4	33.6	1.3	4,000	276	16,000	1,104	9.1	231.4
DN 25	4654-7965	1	40.7	1.6	3,125	215	12,500	861	12.0	304.8
DN 32	4654-7967	1-1/4	47.2	1.9	2,500	172	10,000	689	15.1	383.5
DN 40	4654-7966	1-1/2	54.0	2.1	2,118	146	8,472	584	18.0	457.2

Mega Tech® II - SAE 100R2 Type AT-ACP Carton pack

Recommended for : Multi-purpose high-pressure, high temperature, air compressor lines, petroleum base or phosphate ester hydraulic fluid supply lines. Meets the requirements of SAE J1405 performance specifications for high temperature transmissions and lubricating oil systems using petroleum base oils. Meets or exceeds the requirements of SAE 100R2 Type S.

Tube: Black, oil resistant, synthetic rubber (CPE-Type J).

Reinforcement: Two braid of high-tensile steel wire.

Cover: Blue, oil resistant abrasion resistant polyester braid.

Temperature Range : -40°C to +149°C

Coupling : G (MegaCrimp) for -20, GSP for -24 & -32



SPECIFICATIONS

Description	Product No.	Hose ID	Hose OD		Working Pressure		Min Burst Pressure		Min Bend Radius	
			Inch	mm	psi	bar	psi	bar	Inch	mm
20ACP MEGATECHIIXCNT	4657-8018	1-1/4	48.0	1.89	2250	157	1,900	628	15.0	381.0
24ACP MEGATECHIIXCNT	4657-2484	1-1/2	54.1	2.13	1500	103	6,000	412	20.0	508.0
32ACP MEGATECHIIXCNT	4657-2485	2	66.3	2.61	1300	91	5,200	364	25.0	635.0



G1 1-Wire Braid Hose - SAE 100R1 Type

Recommended for : Medium pressure hydraulic lines. Meets or exceeds the requirements of SAE 100R1 Type AT and performance requirements of DIN20022 1SN / EN 853 1N. Provides tighter than standard minimum bend radius and greater flexibility for easier plumbing

Tube: Black, oil resistant, synthetic rubber (Nitrile - Type C).

Reinforcement: One braid of high-tensile steel wire.

Cover: Black, oil, and abrasion resistant synthetic rubber (Modified Nitrile - Type C2)

Temperature Range : -40°C to +100°C

Coupling : G (MegaCrimp®)



SPECIFICATIONS

Description	Product No.	Hose ID		Hose OD		Working Pressure		Min Burst Pressure		Min Bend Radius	
		Inch	mm	Inch	mm	psi	bar	psi	bar	Inch	mm
3 G1	4657-8749	3/16	11.9	0.5	3,625	250	14,500	1000	3.0	76.2	
4 G1	4657-4846	1/4	13.5	0.5	3,275	226	13,100	904	4.0	101.6	
5 G1	4657-4828	5/16	15.0	0.6	3,125	216	12,500	864	4.5	114.3	
6 G1	4657-2980	3/8	17.5	0.7	2,600	180	10,400	720	5.0	127.0	
8 G1	4657-4825	1/2	20.8	0.8	2,325	160	9,300	640	7.0	177.8	
10 G1	4657-4826	5/8	23.9	0.9	1,900	131	7,600	524	8.0	203.2	
12 G1	4657-4827	3/4	27.9	1.1	1,525	105	6,100	420	9.0	228.6	
16 G1	4657-4829	1	35.8	1.4	1,275	88	5,100	352	12.0	304.8	
20 G1	4657-4897	1-1/4	43.4	1.7	925	64	3,700	256	16.5	406.4	
24 G1	4657-2498	1-1/2	49.8	2.0	725	50	2,900	200	20.0	508.0	
32 G1	4657-4896	2	64.0	2.5	600	41	2,400	165	25.0	635.0	

AG R1 1-Wire Braid Hose - SAE 100R1 Type AT

Medium Pressure

Meets the requirements of SAE 100R1 Type AT now meets EN853

Recommended for : Medium pressure hydraulic lines. Meets or exceeds the requirements of SAE 100R1 Type AT & EN 853

Impulse performance tested up to 1,50,000

Tube: Nitrile Black

Reinforcement: One braid of high-tensile steel wire.

Cover: Black, abrasion resistant synthetic rubber (Modified CR)

Temperature Range : -40°C to +100°C

Coupling : G (MegaCrimp®) & PCK



SPECIFICATIONS

Description	Product No.	Hose ID		Hose OD		Working Pressure		Min Burst Pressure		Min Bend Radius	
		Inch	mm	Inch	mm	psi	bar	psi	bar	Inch	mm
4 AG R1	4657-5111	1/4	13.2	0.5	3275	226	13100	903	4.0	102	
6 AG R1	4657-4696	3/8	16.8	0.6	2600	179	10400	717	5.0	127	
8 AG R1	4657-4694	1/2	19.8	0.8	2325	160	9300	641	7.0	178	
10 AG R1	4657-5106	5/8	23.2	0.9	1900	131	7600	524	8.0	203	
12 AG R1	4657-5109	3/4	27.1	1.1	1525	105	6100	421	9.5	241	
16 AG R1	4657-5108	1	35.0	1.4	1250	86	5000	345	11.8	300	



G1H High Temp 1 - Wire Braid Hose

SAE 100R1 Type AT

Meets Flame Resistance Acceptance Designation "MSHA 2G"

Recommended for : Medium pressure hydraulic oil lines. Meets or exceeds the requirements of SAE 100R1 Type AT

Tube: Black, oil resistant, synthetic rubber (Nitrile - Type C).

Reinforcement: One braid of high-tensile steel wire.

Cover: Black, oil, and abrasion resistant synthetic rubber (Hypalont - Type M)

Temperature Range : -40°C to +135°C

Coupling : G (MegaCrimp®)



SPECIFICATIONS

Description	Product No.	Hose ID	Hose OD		Working Pressure		Min Burst Pressure		Min Bend Radius	
			Inch	mm	Inch	psi	bar	psi	bar	Inch
4 G1H	4657-8702	1/4	13.5	0.5	2,750	190	11,000	760	4.5	101.6
5 G1H	4657-8703	5/16	15.1	0.6	2,500	172	10,000	688	4.6	116.8
6 G1H	4657-8704	3/8	17.5	0.7	2,250	155	9,000	621	5.0	127.0
8 G1H	4657-8705	1/2	20.8	0.8	2,000	138	8,000	552	7.0	177.8
10 G1H	4657-2178	5/8	23.8	0.9	1,500	103	6,000	415	8.0	203.2
12 G1H	4657-8706	3/4	27.9	1.1	1,250	86	5,000	345	9.5	241.3
16 G1H	4657-8726	1	35.8	1.4	1,000	69	4,000	275	12.0	304.8
20 G1H	4657-4850	1-1/4	43.6	1.7	925	64	3,700	255	16.0	406.4
24 G1H	4657-4844	1-1/2	50.0	2.0	725	50	2,900	200	20.0	508.0
32 G1H	4657-4845	2	64.0	2.5	600	42	2,400	165	25.0	635.0

MegaTech™ ACR

Hot Oil/Air Return Line Hose

Recommended for : Pressurized hot oil return lines and rotary oil/air compressor lines

Tube: Black, specifically compounded for temperature and chemical resistance (CPE).

Reinforcement: One braid of high-tensile steel wire.

Cover: Black, oil & abrasion resistant polyester braid. Flame resistant "US MSHA 2 G" Nitrile).

Temperature Range : -40°C to +149°C

Coupling : G (MegaCrimp) & GSP (Thru -6 to -32)



SPECIFICATIONS

Description	Product No.	Hose ID	Hose OD		Working Pressure		Min Burst Pressure		Min Bend Radius	
			Inch	mm	Inch	psi	bar	psi	bar	Inch
4 ACR	**	1/4	13.2	0.5	1,000	69	4,000	276	2.0	50.8
6 ACR	4657-2340	3/8	17.0	0.7	1,000	69	4,000	276	2.5	63.5
8 ACR	4657-2341	1/2	19.3	0.8	1,000	69	4,000	276	3.5	88.9
10 ACR	4657-2342	5/8	24.1	0.9	1,000	69	4,000	276	4.0	101.6
12 ACR	4657-2336	3/4	26.4	1.0	1,000	69	4,000	276	4.8	120.7
16 ACR	4657-2337	1	34.0	1.3	1,000	69	4,000	276	6.0	152.4
20 ACR	4657-2338	1-1/4	40.0	1.6	1,000	69	4,000	276	8.5	215.9
24 ACR	4657-0204	1-1/2	49.4	1.9	500	35	2,000	140	15.0	381.0
32 ACR	4657-0805	2	62.9	2.5	500	35	2,000	140	18.0	457.2
40 ACR	4657-4908	2-1/2	75.3	3.0	500	35	2,000	140	22.0	558.8
48 ACR	4657-4909	3	88.9	3.5	500	35	2,000	140	24.0	609.6



GTH High Temp 1-Fiber Braid Hose

SAE 100R6

Recommended for : Hydraulic oil lines, heavy duty transmission oil cooler lines and glycol anti freeze solution. Meets or exceeds requirements of SAE 100R6 / EN 854. Specially resistant to diesel permeation.

Tube: Black, specially compounded synthetic rubber (Nitrile - Type C).

Reinforcement: One fiber braid.

Cover: Black, oil & abrasion resistant synthetic rubber (Neoprene - Type A)

Temperature Range : -40°C to +135°C

Coupling : G (MegaCrimp®)



SPECIFICATIONS

Description	Product No.	Hose ID		Hose OD		Working Pressure		Min Burst Pressure		Min Bend Radius	
		Inch	mm	Inch	mm	psi	bar	psi	bar	Inch	mm
4 GTH	3319-8972	1/4	12.7	0.5	400	28	1,600	110	2.5	63.5	
5 GTH	3319-8971	5/16	14.2	0.6	400	28	1,600	110	3.0	76.2	
6 GTH	3319-8978	3/8	16.0	0.6	400	28	1,600	110	3.0	76.2	
8 GTH	3319-8979	1/2	19.8	0.8	400	28	1,600	110	4.0	101.6	
10 GTH	3319-8980	5/8	23.1	0.9	350	24	1,400	97	5.0	127.0	
12 GTH	3319-8987	3/4	27.0	1.1	300	21	1,200	83	5.5	139.7	
*16 GTH	3319-3345	1	28.1	1.1	250	17	1,000	69	8.0	203.2	

C6 One Fiber Hose-SAE 100R6

Meets performance requirements of EN 854

Recommended for : Hydraulic oil lines, heavy duty transmission anti freeze solution. Meets or exceeds requirements of SAE 100R6 / EN 854.

Tube: Specially compounded, oil-resistant, synthetic rubber (Nitrile) Black.

Reinforcement: One braid of high tenacity yarn.

Cover: Oil & abrasion resistant synthetic rubber (Modified Nitrile)

Temperature Range : -40°C to +100°C

Coupling : G (MegaCrimp®)



SPECIFICATIONS

Description	Product No.	Hose ID		Hose OD		Working Pressure		Min Burst Pressure		Min Bend Radius	
		Inch	mm	Inch	mm	psi	bar	psi	bar	Inch	mm
4 C6	3319-8917	1/4	12.7	0.5	400	28	1,600	112	2.6	66.0	
5 C6	3319-8958	5/16	14.2	0.6	400	28	1,600	112	3.0	76.2	
6 C6	3319-8959	3/8	16.0	0.6	400	28	1,600	112	3.0	76.2	
8 C6	3319-8960	1/2	19.7	0.8	400	28	1,600	112	4.0	101.6	
10 C6	3319-8961	5/8	23.0	0.9	350	24	1,400	97	5.0	127.0	
12 C6	3319-8968	3/4	27.0	1.1	300	21	1,200	83	6.0	152.4	
*16 C6	3319-8962	1	34.0	1.3	250	14	800	55	7.0	177.8	



C3 Two Fiber Braid Hose-SAE 100R3

Meets performance requirements of EN 854

Recommended for : Hydraulic oil lines, anti-freeze solution or water. Meets or exceeds requirements of SAE 100R3 / EN 854.

Tube: Black, synthetic rubber (Nitrile).

Reinforcement: Two braid of high tenacity synthetic textile yarn.

Cover: Modified Nitrile

Temperature Range : -40°C to +100°C

Coupling : G (MegaCrimp®)



SPECIFICATIONS

Description	Product No.	Hose ID	Hose OD		Working Pressure		Min Burst Pressure		Min Bend Radius	
			Inch	mm	Inch	psi	bar	psi	bar	Inch
4 C3	3319-8950	1/4	14.5	0.6	1,250	86	5,000	345	3.0	76.2
5 C3	3319-8951	5/16	17.5	0.7	1,200	83	4,800	332	4.0	101.6
6 C3	3319-8952	3/8	19.1	0.8	1,125	78	4,500	312	4.0	101.6
8 C3	3319-8953	1/2	23.9	0.9	1,000	69	4,000	276	5.0	127.0
10 C3	3319-8975	5/8	27.0	1.1	875	61	3,500	244	5.5	139.7
12 C3	3319-8954	3/4	31.8	1.3	750	52	3,000	208	6.0	152.4
16 C3	3319-8955	1	38.1	1.5	565	39	2,250	156	8.0	203.2

G3H High - Temp 2 - Fiber Braid Hose

SAE 100R3 Medium Pressure

Meets Flame Resistance Acceptance Designation " U.S. MSHA 2G"

Recommended for : Hydraulic oil lines, heavy duty transmission oil cooler lines and glycol anti-freeze solutions. Meets or exceeds requirements of SAE 100R3 / EN 854. Specially resistant to diesel permeation

Tube: Black, synthetic rubber (Nitrile - Type C) Black.

Reinforcement: Two fiber braids.

Cover: Black oil & abrasion resistant, synthetic rubber (Neoprene - Type A)

Temperature Range : -40°C to +135°C

Coupling : G (Mega Crimp®) (-4 to -10)



SPECIFICATIONS

Description	Product No.	Hose ID	Hose OD		Working Pressure		Min Burst Pressure		Min Bend Radius	
			mm	Inch	psi	bar	psi	bar	Inch	mm
4 G3H	3319-0088	1/4	14.2	0.6	1,250	86	5,000	345	3.0	76.2
5 G3H	3319-4287	5/16	16.8	0.7	1,200	83	4,800	331	3.5	88.9
6 G3H	3319-0087	3/8	19.1	0.8	1,125	78	4,500	312	4.0	101.6
8 G3H	3319-0090	1/2	23.9	0.9	1,000	69	4,000	276	5.0	127.0
10 G3H	3319-4288	5/8	27.9	1.1	900	62	3,600	348	5.5	139.7
12 G3H	3319-0091	3/4	31.8	1.3	750	52	3,000	208	6.0	152.4
16 G3H	3319-0092	1	38.1	1.8	565	39	2,250	156	8.0	203.2
20 G3H	3319-8997	1-1/4	44.5	1.8	375	26	1,500	103	10.0	254.0
*24 G3H	3319-4289	1-1/2	49.3	1.9	300	21	1,200	83	12.0	304.8



R5R Hose

Meets Railways Specifications

Recommended for : Suitable for use with Petroleum based hydraulic fluids & Lubricating oils.

Tube: Black, synthetic rubber (Nitrile - Type C).

Reinforcement: Single braids of tenacity textile braid followed by another braid of high-tensile steel wire

Cover: Black, abrasion resistant, synthetic rubber (Modified CR)

Temperature Range : -40°C to +120°C

Coupling : PC-2F



SPECIFICATIONS

Description	Product No.	Hose ID		Hose OD		Working Pressure		Min Burst Pressure		Min Bend Radius	
		Inch	mm	Inch	mm	psi	bar	psi	bar	Inch	mm
5R5R	3658-2075	1/4	14.4	0.6	3000	210	12,000	840	3.3	85	
6R5R	3658-2076	5/16	17.2	0.7	2250	160	9,000	640	3.9	100	
8R5R	3658-2077	13/32	19.5	0.8	2000	140	8,000	560	4.5	115	
10R5R	3658-2077	1/2	23.4	0.9	1750	120	7,000	480	5.5	140	
12R5R	3658-2079	5/8	27.4	1.1	1500	105	6,000	420	6.5	165	
16R5R	3658-2080	7/8	31.4	1.2	800	55	3,200	220	7.3	185	

Pilot Line Hose

Recommended for : Designed for hydraulic pilot control applications in confined spaces in industrial, construction and agricultural equipment. This top quality hose features superior flexibility providing a very tight bend radius as well as resistance to expansion, kinking and abrasion. P1T pilot control hose has been fully tested to meet all possible pilot control applications. It has been engineered as an assembly to ensure maximum trouble free life and avoid replacement in difficult and often inaccessible areas.

Tube: Oil resistant Nitrile (NBR)

Reinforcement: High-tensile steel wire.

Cover: Chloroprene (CR)

Temperature Range : -40°C to +100°C; intermittent up to 120°C.

Coupling : P1T



SPECIFICATIONS

Description	Product No.	Hose ID		Hose OD		Working Pressure		Min Burst Pressure		Min Bend Radius	
		Inch	mm	Inch	mm	psi	bar	psi	bar	Inch	mm
4P1T	4657-8799	1/4	11.0	0.43	17.40	120	6,960	480	-	25	
5P1T	4657-5105	5/16	12.5	0.48	17.40	120	6,960	480	-	30	
6P1T	4657-8755	3/8	13.9	0.57	17.40	120	6,960	480	-	40	



GATES COUPLING RANGE

Start Concentric, Remain Concentric

**One stem is All
You Need**

Your Need to Sell Value.

END TO END SOLUTIONS FROM GATES



COUPLING RANGE FOR WIRE & TEXTILE BRAIDED PRODUCTS

Item Code	Item Name	Suitable for Hose ID	Description	Drop Length (in mm)	Back up Hex size (in mm)	Nut Hex size (in mm)	Stem Length (in mm)	Cut off length (in mm)	Flange OD (in mm)	Flange thickness (in mm)
PCK - Two Piece Coupling										
BSP Couplings										
737209836	PCK0404FBSPORX	1/4"	1/4-19 female BSP straight coupling with O-ring	-	-	19.00	39.98	13.98	-	-
737200656	PCK0404FBSPX	1/4"	1/4-19 female BSP straight coupling without O-ring - Two Piece	-	-	19.00	39.98	13.98	-	-
737210186	PCK0406FBSPORX	1/4"	3/8-19 female BSP straight coupling with O-ring	-	-	22.00	39.00	15.10	-	-
737213536	PCK0506FBSPORX	5/16"	3/8-19 female BSP straight coupling with O-ring	-	-	22.00	40.00	16.00	-	-
737209846	PCK0606FBSPORX	3/8"	3/8-19 female BSP straight coupling with O-ring	-	22.00	41.16	15.16	-	-	-
737200696	PCK0606FBSPX	3/8"	3/8-19 female BSP straight coupling without O-ring	-	-	22.00	41.00	17.00	-	-
737200016	PCK0606MBSPPBKHD	3/8"	3/8-19 male BSP bulkhead straight coupling	-	22.00	-	69.00	45.00	-	-
737210486	PCK0808MBSPPBKHD	1/2"	1/2-14 male BSP straight coupling	-	-	73.00	44.00	-	-	-
737210366	PCK0608FBSPORX	3/8"	1/2-14 female BSP straight coupling with O-ring	-	-	27.00	39.00	15.00	-	-
737200716	PCK0808FBSPX	1/2"	1/2-14 female BSP straight coupling without O-ring	-	-	27.00	45.50	18.50	-	-
737209856	PCK0808FBSPORX	1/2"	1/2-14 female BSP straight coupling with O-ring	-	-	27.00	45.00	16.00	-	-
737210236	PCK0810FBSPORX	1/2"	5/8-14 female BSP straight coupling with O-ring	-	-	30.00	46.20	17.20	-	-
737211686	PCK1010FBSPORX	5/8"	5/8-14 female BSP straight coupling with O-ring	-	-	30.00	49.20	17.20	-	-
737211666	PCK1010MBSPPBKHDSP	5/8"	5/8-14 male BSP straight coupling	-	-	80.00	48.00	-	-	-
737213706	PCK1012FBSPORX	5/8"	3/4-14 female BSP straight coupling with O-ring	-	-	32.00	53.00	23.20	-	-
737213006	PCK1212FBSPORX	3/4"	3/4-14 female BSP straight coupling with O-ring	-	-	32.00	58.00	21.30	-	-
737213016	PCK1616FBSPORX	1"	1-11 female BSP straight coupling with O-ring -	-	41.00	59.60	23.10	-	-	-
737209866	PCK0404FBSPORX45	1/4"	1/4-19 female BSP straight 45 degree bend coupling with O-ring	14.00	-	19.00	-	-	-	-
737209886	PCK0606FBSPORX45	3/8"	3/8-19 female BSP 45 degree bend coupling with O-ring	17.50 ± 1.50	-	22.00	61.75	37.75	-	-
737213196	PCK0808FBSPORX45	1/2"	1/2-14 female BSP straight 45 degree bend coupling with O-ring	17.00	-	27.00	75.80	46.80	-	-
737213156	PCK1010FBSPORX45	5/8"	5/8-14 female BSP 45 degree bend coupling with O-ring	19.50 ± 1.50	-	30.00	80.00	50.00	-	-
737209876	PCK0404FBSPORX90	1/4"	1/4-19 female BSP straight 90 degree bend coupling with O-ring	23.50	-	19.00	47.20	22.20	-	-
737213266	PCK0404FBSPORX90-29	1/4"	1/4-19 female BSP 90 degree bend coupling with O-ring	29.00 ± 1.50	-	19.00	47.50	23.50	-	-
737200186	PCK0406FBSPORX90	1/4"	3/8-19 female BSP 90 degree bend coupling with O-ring	32.00 ± 1.50	-	22.00	47.50	23.50	-	-
737209896	PCK0606FBSPORX90	3/8"	3/8-19 female BSP straight 90 degree bend coupling with O-ring	32.00	-	22.00	53.00	28.50	-	-
737209906	PCK0808FBSPORX90	1/2"	1/2-14 female BSP straight 90 degree bend coupling with O-ring	37.50	-	27.00	71.00	42.00	-	-
737211646	PCK1010FBSPORX90	5/8"	5/8-14 female BSP straight 90 degree bend coupling with O-ring	46.00	-	30.00	78.50	46.50	-	-
737213246	PCK1010FBSPORX90-60	5/8"	5/8-14 female BSP 90 degree bend coupling with O-ring	60.00 ± 2.00	-	30.00	76.50	46.50	-	-
737213256	PCK1010FBSPORX90-120	5/8"	5/8-14 female BSP 90 degree bend long drop coupling with O-ring	120.00 ± 1.50	-	30.00	76.50	46.50	-	-
737213716	PCK1012FBSPORX90	5/8"	3/4-14 female BSP 90 degree bend coupling with O-ring	60.00 ± 1.50	-	32.00	100.00	70.00	-	-
JIC 37° Coupling										
737213656	PCK0506FJX	5/16"	9/16-18 female JIC straight coupling	-	-	19.00	41.50	17.50	-	-
737211156	PCK0606FJX	3/8"	9/16-18 female JIC straight coupling	-	-	19.00	42.00	17.50	-	-
737211056	PCK0608FJX	3/8"	3/4-16 female JIC straight coupling-	-	22.00	39.00	14.00	-	-	-
737213446	PCK0610FJX	3/8"	7/8-14 female JIC straight coupling-	17.00	27.00	44.00	19.50	-	-	-
737211316	PCK0808FJX	1/2"	3/4-16 female JIC straight coupling-	-	22.00	43.00	15.50	-	-	-
737211086	PCK0810FJX	1/2"	7/8-14 female JIC straight coupling-	-	27.00	48.00	20.50	-	-	-
737211116	PCK1010FJX	5/8"	7/8-14 female JIC straight coupling-	-	27.00	50.00	19.50	-	-	-
737211126	PCK1012FJX	5/8"	1 1/16-12 female JIC straight coupling	-	-	32.00	50.00	20.00	-	-
737213316	PCK0406FJX45S	1/4"	9/16-18 female JIC 45 degree bend short drop coupling	11.50 ± 1.50	-	19.00	55.00	29.98	-	-
737213356	PCK0606FJX45S	3/8"	9/16-18 female JIC 45 degree short drop coupling	11.00 ± 1.50	-	19.00	51.00	37.50	-	-
737213416	PCK0608FJX45S	3/8"	3/4-16 female JIC 45 degree short drop coupling	15.00 ± 1.50	-	22.00	60.00	35.75	-	-
737211326	PCK0808FJX45-16	1/2"	3/4-16 female JIC 45 degree bend coupling	16.00 ± 1.50	-	22.00	71.50	44.45	-	-
737213276	PCK0810FJX45S	1/2"	7/8-14 female JIC 45 degree bend short drop coupling	16.00 ± 1.50	-	27.00	72.00	44.53	-	-
737211406	PCK1010FJX45-22	5/8"	7/8-14 female JIC 45 degree bend coupling	22.00 ± 1.50	-	27.00	84.00	53.20	-	-
737213336	PCK0404FJX90S	1/4"	7/16-20 female JIC 90 degree short drop coupling	21.00 ± 1.50	-	14.00	49.50	25.50	-	-
737211016	PCK0404FJX90-28	1/4"	7/16-20 female JIC 90 degree bend coupling	28.00 ± 1.50	-	14.00	49.50	25.50	-	-
737213286	PCK0406FJX90S	1/4"	9/16-18 female JIC 90 degree bend short drop coupling	23.00 ± 1.50	-	19.00	53.00	28.50	-	-
737213376	PCK0406FJX90L	1/4"	9/16-18 female JIC 90 degree bend long drop coupling	54.00 ± 1.50	-	19.00	53.00	28.50	-	-
737213346	PCK0606FJX90S	3/8"	9/16-18 female JIC 90 degree short drop coupling	23.00 ± 1.50	-	19.00	56.00	31.00	-	-

COUPLING RANGE FOR WIRE & TEXTILE BRAIDED PRODUCTS

Item Code	Item Name	Suitable for Hose ID	Description	Drop Length (in mm)	Back up Hex size (in mm)	Nut Hex size (in mm)	Stem Length (in mm)	Cut off length (in mm)	Flange OD (in mm)	Flange thickness (in mm)
737213296	PCK0608FJX90S	3/8"	3/4-16 female JIC 90 degree bend short drop coupling	29.00 ± 1.50	-	22.00	56.00	31.00	-	-
737213306	PCK0810FJX90S	1/2"	7/8-14 female JIC 90 degree bend short drop coupling	32.00 ± 1.50	-	27.00	70.00	42.00	-	-
737213366	PCK0810FJX90L	1/2"	7/8-14 female JIC 90 degree bend long drop coupling	70.00 ± 1.50	-	27.00	70.00	42.00	-	-
737211416	PCK1010FJX90M	5/8"	7/8-14 female JIC 90 degree medium drop coupling	47.00 ± 1.50	-	27.00	77.00	47.00	-	-
737211256	PCK0406MJ	1/4"	9/16-18 male JIC straight coupling	-	17.00	-	53.00	28.00	-	-
737201626	PCK0810MJ	1/2"	7/8-14 male JIC straight coupling	-	22.22	-	62.00	34.20	-	-
737201646	PCK1010MJ	5/8"	7/8-14 male JIC straight coupling	-	24.00	-	64.00	34.00	-	-
Flat Face O-Ring Coupling										
737204226	PCK0404FFORX	1/4"	9/16-18 female flat face straight coupling	-	14.00	19.00	55.40	31.40	-	-
737204236	PCK0406FFORX	1/4"	11/16-16 female flat face straight coupling	-	17.00	22.00	55.00	30.70	-	-
737204256	PCK0606FFORX	3/8"	11/16-16 female flat face straight coupling	-	17.00	22.00	54.50	30.70	-	-
737204926	PCK0606MFFOR	3/8"	11/16-16 male flat face straight coupling	-	19.00	-	49.00	25.00	-	-
737204266	PCK0608FFORX	3/8"	13/16-16 female flat face straight coupling	-	19.00	24.00	58.00	34.00	-	-
737208716	PCK0608MFFOR	3/8"	13/16-16 male flat face straight coupling	-	22.00	-	52.00	28.00	-	-
737209986	PCK0808MFFOR	1/2"	13/16-16 male flat face straight coupling	-	22.00	-	56.00	29.00	-	-
737213556	PCK0808MFFORBKHD	1/2"	13/16-16 male flat face bulkhead straight coupling	-	22.00	-	79.50	52.50	-	-
737204296	PCK0810FFORX	1/2"	1-14 female flat face straight coupling	-	24.00	30.00	70.80	43.80	-	-
737204316	PCK1010FFORX	5/8"	1-14 female flat face straight coupling	-	24.00	30.00	73.80	43.80	-	-
737204326	PCK1012FFORX	5/8"	1 3/16-12 female flat face straight coupling	-	30.00	36.00	77.50	47.50	-	-
737211186	PCK0404FFORX45S	1/4"	9/16-18 female flat face 45 degree bend short drop coupling	10.00 ± 1.50	-	17.00	56.70	32.70	-	-
737211486	PCK0808FFORX45M	1/2"	13/16-16 female flat face 45 degree bend medium drop coupling	15.00 ± 1.50	-	0.00	70.00	47.10	-	-
737211196	PCK0404FFORX90S	1/4"	9/16-18 female flat face 90 degree bend short drop coupling	21.00 ± 1.50	-	17.00	54.20	30.20	-	-
737211206	PCK0404FFORX90M	1/4"	9/16-18 female flat face 90 degree bend medium drop coupling	32.00 ± 1.50	-	17.00	54.50	30.50	-	-
737211236	PCK0606FFORX90L	3/8"	11/16-16 female flat face 90 degree bend long drop coupling	54.00 ± 1.50	-	22.00	56.50	32.50	-	-
737211476	PCK0608FFORX90S	3/8"	13/16-16 female flat face 90 degree bend short drop coupling	29.00 ± 1.50	-	24.00	56.50	32.50	-	-
737212596	PCK0608FFORX90L	3/8"	13/16-16 female flat face 90 degree bend long drop coupling	64.00 ± 1.50	-	24.00	56.50	32.50	-	-
737211506	PCK0808FFORX90M	1/2"	13/16-16 female flat face 90 degree bend medium drop coupling	41.00 ± 1.50	-	24.00	70.00	43.00	-	-
737211496	PCK0808FFORX90S	1/2"	13/16-16 female flat face 90 degree bend short drop coupling	29.00 ± 1.50	-	24.00	70.00	43.00	-	-
737211736	PCK0808FFORX90L	1/2"	13/16-16 female flat face 90 degree bend long drop coupling	64.00 ± 1.50	-	24.00	70.00	43.00	-	-
737213806	PCK0810FFORX90-42	1/2"	1-14 female flat face 90 degree bend coupling 35.00 ± 1.50	-	30.00	80.00	53.00	-	-	-
737213796	PCK0810MFFOR90-50	1/2"	1-14 male flat face 90 degree bend coupling 50.00 ± 2.50	27.00	-	80.00	53.00	-	-	-
737213696	PCK1010FFORX90-34	5/8"	1-14 female flat face 90 degree bend coupling 34.00 ± 1.50	-	30.00	80.00	50.00	-	-	-
737212096	PCK1010FFORX90M	5/8"	1-14 female flat face 90 degree bend medium drop coupling	47.00 ± 1.50	-	30.00	80.00	50.00	-	-
737213726	PCK1012FFORX90-42	5/8"	1 3/16-12 female flat face 90 degree bend coupling	42.00 ± 1.50	-	36.00	80.00	50.00	-	-
737213546	PCK1012FFORX90M	5/8"	1 3/16-12 female flat face 90 degree bend medium drop coupling	58.00 ± 1.50	-	36.00	80.00	50.00	-	-
DIN Metric 24° Coupling										
Light Series										
737208856	PCK0408FDLORX	1/4"	M14 X 1.5 light series female metric straight coupling	-	-	17.00	52.00	28.00	-	-
737202606	PCK0410MDL	1/4"	M16 X 1.5 light series male metric coupling	17.00	-	46.70	22.70	-	-	-
737202946	PCK0510FDLORX	5/16"	M16 X 1.5 light series female metric straight coupling	-	-	19.00	51.50	27.50	-	-
737202956	PCK0610FDLORX	3/8"	M16 X 1.5 light series female metric straight coupling	-	-	19.00	52.00	28.00	-	-
737203106	PCK0612FDLORX	3/8"	M18 X 1.5 light series female metric straight coupling	-	-	22.00	54.00	30.00	-	-
737203296	PCK08015FDLORX	1/2"	M22 X 1.5 light series female metric straight coupling	-	-	27.00	57.00	30.00	-	-
737207716	PCK1018FDLORX	5/8"	M26 X 1.5 light series female metric straight coupling	-	-	32.00	62.50	32.50	-	-
737213646	PCK1022FDLORX	5/8"	M30 X 2.0 light series female metric straight coupling	-	-	36.00	57.00	27.00	-	-
737203446	PCK1222FDLORX	3/4"	M30 X 2.0 light series female metric straight coupling	-	-	36.00	73.50	37.00	-	-
737203046	PCK0610FDLORX90	3/8"	M16 X 1.5 light series female metric 90 degree bend coupling	36.50 ± 1.50	-	19.00	83.50	31.00	-	-
737203186	PCK0612FDLORX90	3/8"	M18 X 1.5 light series female metric 90 degree bend coupling	36.50 ± 1.50	-	22.00	55.00	31.00	-	-

COUPLING RANGE FOR WIRE & TEXTILE BRAIDED PRODUCTS

Item Code	Item Name	Suitable for Hose ID	Description	Drop Length (in mm)	Back up Hex size (in mm)	Nut Hex size (in mm)	Stem Length (in mm)	Cut off length (in mm)	Flange OD (in mm)	Flange thickness (in mm)
Heavy Series										
737203226	PCK0612FDHORX	3/8"	M18 X 1.5 heavy series female metric straight coupling	-	-	24.00	54.00	30.00	-	-
737207706	PCK0816FDHORX	1/2"	M24 X 1.5 heavy series female metric straight coupling	-	-	30.00	61.75	34.75	-	-
737203226	PCK0612FDHORX	3/8"	M18 X 1.5 heavy series female metric straight coupling	-	-	24.00	54.00	30.00	-	-
737207706	PCK0816FDHORX	1/2"	M24 X 1.5 heavy series female metric straight coupling	-	-	30.00	61.75	34.75	-	-
737203506	PCK1225FDHORX	3/4"	M36 X 2.0 heavy series female metric straight coupling	-	-	16.00	81.50	45.00	-	-
737203396	PCK0816FDHORX90	1/2"	M24 X 1.5 heavy series female metric 90 degree bend coupling	48.00 ± 2.50	-	30.00	69.30	42.30	-	-
737213676	PCK0816FDHORX90-90	1/2"	M24 X 1.5 heavy series female metric 90 degree bend coupling	90.00 ± 1.50	-	30.00	69.50	42.30	-	-
737213666	PCK0816FDHORX90-125	1/2"	M24 X 1.5 heavy series female metric 90 degree bend long drop coupling	125.00 ± 1.50	-	30.00	69.50	42.30	-	-
737203536	PCK1225FDHORX90	3/4"	M36 X 2.0 heavy series female metric 90 degree bend coupling	64.50 ± 1.50	-	46.00	93.20	56.70	-	-
Komatsu Style Metric Coupling										
737213456	PCK0404FKX	1/4"	M14 X 1.5 female Komatsu style Japanese metric straight coupling	-	-	19.00	40.00	15.90	-	-
Global Braid (GB) - Two Piece Coupling										
BSP Couplings										
720496126	12GB-12FBSPORX	3/4"	3/4-14 female BSP straight coupling with O-ring	-	-	32.00	71.00	20.00	-	-
720496256	16GB-16FBSPORX	1"	1-11 female BSP straight coupling with O-ring	-	41.00	84.50	27.70	-	-	-
720496136	12GB-12FBSPORX45	3/4"	3/4-14 female BSP straight 45 degree bend coupling with O-ring	26.30	-	32.00	106.40	55.40	-	-
720496146	12GB-12FBSPORX90	3/4"	3/4-14 female BSP straight 90 degree bend coupling with O-ring	53.90	-	32.00	105.00	54.00	-	-
720496276	16GB-16FBSPORX90	1"	1-11 female BSP straight 45 degree bend coupling with O-ring	65.60	-	41.00	118.20	61.40	-	-
MEGACRIMP® Product Line										
BSP Couplings										
71009591	4G-4FBSPORX	1/4"	1/4-19 female BSP straight coupling with O-ring	-	-	19.00	43.00	17.00	-	-
71009592	4G-6FBSPORX	1/4"	3/8-19 female BSP straight coupling with O-ring	-	-	22.00	44.00	18.00	-	-
71009502	5G-6FBSPORX	5/16"	3/8-19 female BSP straight coupling with O-ring	-	-	22.00	46.00	18.00	-	-
71009629	6G-6FBSPORX	3/8"	3/8-19 female BSP straight coupling with O-ring	-	-	22.00	44.10	16.20	-	-
71009630	6G-8FBSPORX	3/8"	1/2-14 female BSP straight coupling with O-ring	-	-	27.00	45.80	17.90	-	-
71009653	8G-8FBSPORX	1/2"	1/2-14 female BSP straight coupling with O-ring	-	-	27.00	55.30	17.80	-	-
71009654	8G-10FBSPORX	1/2"	5/8-14 female BSP straight coupling with O-ring	-	-	30.00	57.20	19.70	-	-
71009510	10G-10FBSPORX	5/8"	5/8-14 female BSP straight coupling with O-ring	-	-	30.00	56.60	19.10	-	-
71009511	10G-12FBSPORX	5/8"	3/4-14 female BSP straight coupling with O-ring	-	-	32.00	59.00	21.50	-	-
71009554	12G-12FBSPORX	3/4"	3/4-14 female BSP straight coupling with O-ring	-	-	32.00	71.00	20.00	-	-
71009515	16G-16FBSPORX	1"	1-11 female BSP straight coupling with O-ring	-	41.00	83.80	27.00	-	-	-
71009523	20G-20FBSPORX	1-1/4"	1 1/4-11 female BSP straight coupling with O-ring	-	-	50.00	88.50	29.50	-	-
71009593	4G-4FBSPORX45	1/4"	1/4-19 female BSP 45 degree bend coupling with O-ring	11.50	-	19.00	57.10	31.10	-	-
71009631	6G-6FBSPORX45	3/8"	3/8-19 female BSP 45 degree bend coupling with O-ring	15.20	-	22.00	66.90	39.00	-	-
71009656	8G-8FBSPORX45	1/2"	1/2-14 female BSP 45 degree bend coupling with O-ring	16.80	-	27.00	81.30	43.90	-	-
71009150	10G-10FBSPORX45	5/8"	5/8-14 female BSP 45 degree bend coupling with O-ring	21.30	-	30.00	89.60	52.10	-	-
71009152	12G-12FBSPORX45	3/4"	3/4-14 female BSP 45 degree bend coupling with O-ring	28.30	-	32.00	115.40	64.40	-	-
71009153	16G-16FBSPORX45	1"	1-11 female BSP 45 degree bend coupling with O-ring	30.90	-	41.00	135.60	78.80	-	-
71009271	20G-20FBSPORX45	1-1/4"	1 1/4-11 female BSP 45 degree bend coupling with O-ring	37.50	-	50.00	139.60	93.40	-	-
71009595	4G-4FBSPORX90	1/4"	1/4-19 female BSP 90 degree bend coupling with O-ring	23.30	-	19.00	52.50	26.50	-	-
71009633	6G-6FBSPORX90	3/8"	3/8-19 female BSP 90 degree bend coupling with O-ring	32.00	-	22.00	61.90	34.00	-	-
71009658	8G-8FBSPORX90	1/2"	1/2-14 female BSP 90 degree bend coupling with O-ring	37.30	-	27.00	78.00	40.50	-	-
71009160	10G-10FBSPORX90	5/8"	5/8-14 female BSP 90 degree bend coupling with O-ring	46.00	-	30.00	84.10	46.60	-	-
71170043	10G-10FBSPORX90-60	5/8"	5/8-14 female BSP 90 degree bend coupling with O-ring	60.00	-	30.00	84.10	46.60	-	-
71170044	10G-10FBSPORX90-120	5/8"	5/8-14 female BSP 90 degree bend coupling with O-ring	120.00	-	30.00	84.10	46.60	-	-
71009162	12G-12FBSPORX90	3/4"	3/4-14 female BSP 90 degree bend coupling with O-ring	60.00	-	32.00	107.00	56.00	-	-
71009681	12G-16FBSPORX90	3/4"	1-11 female BSP 90 degree bend coupling with O-ring	70.00	-	41.00	112.20	61.20	-	-
71009163	16G-16FBSPORX90	1"	1-11 female BSP 90 degree bend coupling with O-ring	70.00	-	41.00	119.20	74.30	-	-

COUPLING RANGE FOR WIRE & TEXTILE BRAIDED PRODUCTS

Item Code	Item Name	Suitable for Hose ID	Description	Drop Length (in mm)	Back up Hex size (in mm)	Nut Hex size (in mm)	Stem Length (in mm)	Cut off length (in mm)	Flange OD (in mm)	Flange thickness (in mm)
71009164	20G-20FBSPORX90	1-1/4"	1 1/4-11 female BSP 90 degree bend coupling with O-ring	80.00	-	50.00	138.60	92.40	-	-
71001551	4G-4MBSPP	1/4"	1/4-19 male BSP straight coupling	-	19.00	-	51.50	25.50	-	-
71001552	6G-6MBSPP	3/8"	3/8-19 male BSP straight coupling	-	22.00	-	55.00	27.10	-	-
71000554	8G-8MBSPP	1/2"	1/2-14 male BSP straight coupling	-	27.00	-	69.00	31.50	-	-
71000555	10G-10MBSPP	5/8"	5/8-14 male BSP straight coupling	-	30.00	-	73.50	36.00	-	-
71000556	12G-12MBSPP	3/4"	3/4-14 male BSP straight coupling	-	32.00	-	85.00	34.00	-	-
71000557	16G-16MBSPP	1"	1-11 male BSP straight coupling	-	41.00	-	101.00	44.20	-	-
71000558	20G-20MBSPP	1-1/4"	1 1/4-11 male BSP straight coupling	-	50.00	-	110.00	51.00	-	-
BSP Banjo Coupling										
71009256	4G-4BSPBJ	1/4"	13.2mm BSP Banjo straight coupling	-	-	-	53.40	30.30	-	-
71009257	6G-6BSPBJ	3/8"	16.8mm BSP Banjo straight coupling	-	-	-	55.82	32.36	-	-
71009292	8G-8BSPBJ	1/2"	21mm BSP Banjo straight coupling	-	-	-	75.70	38.20	-	-
Komatsu Style Metric Coupling										
71000362	4G-4FKX	1/4"	M14x1.5 female Komatsu Style Japanese metric coupling	-	14.00	19.00	59.70	23.66	-	-
71000364	6G-6FKX	3/8"	M18x1.5 female Komatsu Style Japanese metric coupling	-	17.00	24.00	64.00	36.10	-	-
71000365	8G-8FKX	1/2"	M22x1.5 female Komatsu Style Japanese metric coupling	-	22.00	27.00	78.10	40.60	-	-
71000366	10G-10FKX	5/8"	M24x1.5 female Komatsu Style Japanese metric coupling	-	24.00	32.00	81.50	44.00	-	-
71000367	12G-12FKX	3/4"	M30x1.5 female Komatsu Style Japanese metric coupling	-	30.00	36.00	100.00	49.30	-	-
71000368	16G-16FKX	1"	M33x1.5 female Komatsu Style Japanese metric coupling	-	41.00	41.00	116.00	59.20	-	-
71000312	4G-4FKX90	1/4"	M14x1.5 female Komatsu Style Japanese metric 90 degree coupling	38.00	14.00	19.00	62.70	36.70	-	-
71000313	6G-6FKX90	3/8"	M18x1.5 female Komatsu Style Japanese metric 90 degree coupling	28.00	17.00	24.00	69.10	41.20	-	-
71000314	8G-8FKX90	1/2"	M22x1.5 female Komatsu Style Japanese metric 90 degree coupling	35.00	22.00	27.00	92.20	54.70	-	-
71000679	10G-10FKX90	5/8"	M24x1.5 female Komatsu Style Japanese metric 90 degree coupling	65.30	23.80	31.75	87.00	49.50	-	-
71000316	12G-12FKX90	3/4"	M30x1.5 female Komatsu Style Japanese metric 90 degree coupling	63.00	30.00	36.00	135.50	84.50	-	-
JIC 37° Coupling										
71030804	4G-4FJX	1/4"	7/16-20 female JIC straight coupling	-	-	14.00	47.60	21.57	-	-
71030806	4G-6FJX	1/4"	9/16-18 female JIC straight coupling	-	-	19.00	51.10	25.07	-	-
71000093	5G-5FJX	5/16"	1/2-20 female JIC straight coupling	-	15.88	17.46	50.00	22.00	-	-
71000092	5G-6FJX	5/16"	9/16-18 female JIC straight coupling	-	15.88	19.05	49.00	21.00	-	-
71030814	6G-6FJX	3/8"	9/16-18 female JIC straight coupling	-	-	19.00	53.00	24.20	-	-
71030815	6G-8FJX	3/8"	3/4-16 female JIC straight coupling	-	-	24.00	56.30	27.50	-	-
71030820	8G-8FJX	1/2"	3/4-16 female JIC straight coupling	-	-	24.00	62.75	27.29	-	-
71030821	8G-10FJX	1/2"	7/8-14 female JIC straight coupling	-	-	27.00	62.75	27.29	-	-
71030926	10G-10FJX	5/8"	7/8-14 female JIC straight coupling	-	24.00	27.00	67.90	30.44	-	-
71030927	10G-12FJX	5/8"	1 1/16-12 female JIC straight coupling	-	24.00	32.00	67.90	30.44	-	-
71030832	12G-12FJX	3/4"	1 1/16-12 female JIC straight coupling	-	30.00	32.00	80.00	29.00	-	-
71030939	16G-16FJX	1"	1 5/16-12 female JIC straight coupling	-	41.00	41.00	94.20	37.41	-	-
71000114	20G-20FJX	1-1/4"	1 5/8-12 female JIC straight coupling	-	44.45	50.80	100.00	41.00	-	-
73480024	20GL-20FJX	1-1/4"	1 5/8-12 female JIC straight coupling for Megatech & R4 hoses	-	44.45	50.80	100.00	41.00	-	-
71001063	4G-4MJ	1/4"	7/16-20 male JIC straight coupling	-	12.70	-	55.50	29.50	-	-
71001067	6G-6MJ	3/8"	9/16-18 male JIC straight coupling	-	15.88	-	57.50	29.60	-	-
71033621	8G-8MJ	1/2"	3/4-16 male JIC straight coupling	-	22.00	-	71.50	34.00	-	-
71000074	10G-10MJ	5/8"	7/8-14 male JIC straight coupling	-	23.81	-	76.00	38.50	-	-
71000076	12G-12MJ	3/4"	1 1/16-12 male JIC straight coupling	-	26.99	-	93.50	42.50	-	-
71000079	16G-16MJ	1"	1 5/16-12 male JIC straight coupling	-	34.93	-	104.50	47.70	-	-
71000081	20G-20MJ	1-1/4"	1 5/8-12 male JIC straight coupling	-	34.93	-	112.50	53.50	-	-
71034605	4G-4FJX45	1/4"	7/16-20 female JIC 45 degree bend coupling	10.00	14.00	14.00	69.70	43.70	-	-
71034619	5G-6FJX45	5/16"	9/16-18 female JIC 45 degree bend coupling	11.00	17.00	19.00	72.40	44.40	-	-
71034623	6G-6FJX45	3/8"	9/16-18 female JIC 45 degree bend coupling	11.00	17.00	19.00	77.50	49.60	-	-
71034629	8G-8FJX45	1/2"	3/4-16 female JIC 45 degree bend coupling	15.00	22.00	24.00	86.90	49.50	-	-

COUPLING RANGE FOR WIRE & TEXTILE BRAIDED PRODUCTS

Item Code	Item Name	Suitable for Hose ID	Description	Drop Length (in mm)	Back up Hex size (in mm)	Nut Hex size (in mm)	Stem Length (in mm)	Cut off length (in mm)	Flange OD (in mm)	Flange thickness (in mm)
71034635	10G-10FJX45	5/8"	7/8-14 female JIC 45 degree bend coupling	16.00	27.00	27.00	96.40	58.90	-	-
71034642	12G-12FJX45	3/4"	1 1/16-12 female JIC 45 degree bend coupling	21.00	30.00	32.00	129.20	78.20	-	-
71000145	16G-16FJX45	1"	1 5/16-12 female JIC 45 degree bend coupling	29.50	34.93	38.10	134.60	77.80	-	-
71000146	20G-20FJX45	1-1/4"	1 5/8-12 female JIC 45 degree bend coupling	35.00	44.45	50.80	169.00	110.00	-	-
71001148	4G-4FJX90M	1/4"	7/16-20 female JIC 90 degree bend coupling	22.50	14.00	14.00	52.20	26.20	-	-
71034705	4G-4FJX90-32	1/4"	7/16-20 female JIC 90 degree bend coupling	32.00	12.70	14.00	63.10	37.10	-	-
71034720	6G-6FJX90S	3/8"	9/16-18 female JIC 90 degree bend short drop coupling	23.00	17.00	19.00	78.60	50.70	-	-
71034721	6G-6FJX90M	3/8"	9/16-18 female JIC 90 degree bend medium drop coupling	38.00	17.00	19.00	76.40	48.50	-	-
71034729	8G-8FJX90M	1/2"	3/4-16 female JIC 90 degree bend medium drop coupling	41.00	22.00	24.00	77.40	39.90	-	-
71000170	10G-10FJX90M	5/8"	7/8-14 female JIC 90 degree bend medium drop coupling	44.50	23.81	25.40	81.00	43.50	-	-
71034744	12G-12FJX90S	3/4"	1 1/16-12 female JIC 90 degree bend short drop coupling	48.00	30.00	32.00	122.40	71.40	-	-
71000172	12G-12FJX90M	3/4"	1 1/16-12 female JIC 90 degree bend medium drop coupling	52.30	26.99	31.75	97.20	46.20	-	-
71000207	16G-16FJX90M	1"	1 5/16-12 female JIC 90 degree bend medium drop coupling	66.50	34.93	38.10	120.00	63.20	-	-
71000179	20G-20FJX90M	1-1/4"	1 5/8-12 female JIC 90 degree bend medium drop coupling	88.90	44.45	50.80	138.00	79.00	-	-
73480152	20GL-20FJX90	1-1/4"	1 5/8-12 female JIC 90 degree bend coupling for Megatech & R4 hoses	78.00	44.45	50.80	158.40	99.40	-	-

DIN Metric 24° Coupling

Light Series

71009568	4G-8FDLORX	1/4"	M14x1.5 Light Series female metric straight coupling	-	-	17.00	52.50	26.50	-	-
71009201	5G-10FDLORX	5/16"	M16x1.5 Light Series female metric straight coupling	-	-	19.00	53.90	29.70	-	-
71009608	6G-12FDLORX	3/8"	M18x1.5 Light Series female metric straight coupling	-	-	22.00	55.50	27.60	-	-
71009642	8G-15FDLORX	1/2"	M22x1.5 Light Series female metric straight coupling	-	-	27.00	67.00	29.50	-	-
71009209	10G-18FDLORX	5/8"	M26x1.5 Light Series female metric straight coupling	-	-	32.00	67.80	30.30	-	-
71009668	12G-22FDLORX	3/4"	M30x2 Light Series female metric straight coupling	-	-	36.00	85.80	34.80	-	-
71009220	16G-28FDLORX	1"	M36x2 Light Series female metric straight coupling	-	-	41.00	93.50	36.71	-	-
71009221	20G-35FDLORX	1-1/4"	M45x2 Light Series female metric straight coupling	-	-	50.00	103.10	44.10	-	-
71001483	4G-8MDL	1/4"	M14x1.5 Light Series male metric straight coupling	17.00	-	-	46.80	20.80	-	-
71009299	5G-10MDL	5/16"	M16x1.5 Light Series male metric straight coupling	17.00	-	-	49.80	21.80	-	-
71001487	6G-12MDL	3/8"	M18x1.5 Light Series male metric straight coupling	19.00	-	-	50.80	22.90	-	-
71000488	8G-15MDL	1/2"	M22x1.5 Light Series male metric straight coupling	24.00	-	-	61.50	24.00	-	-
71000489	10G-18MDL	5/8"	M26x1.5 Light Series male metric straight coupling	27.00	-	-	65.00	27.50	-	-
71000490	12G-22MDL	3/4"	M30x2 Light Series male metric straight coupling	32.00	-	-	78.00	27.00	-	-
71000491	16G-28MDL	1"	M36x2 Light Series male metric straight coupling	41.00	-	-	87.20	30.40	-	-
71009575	4G-8FDLORX45	1/4"	M14x1.5 Light Series female metric 45 degree bend coupling	16.20	-	17.00	62.60	36.50	-	-
71009615	6G-12FDLORX45	3/8"	M18x1.5 Light Series female metric 45 degree bend coupling	18.90	-	22.00	68.80	40.90	-	-
71009647	8G-15FDLORX45	1/2"	M22x1.5 Light Series female metric 45 degree bend coupling	20.20	-	27.00	84.60	47.10	-	-
71009195	10G-18FDLORX45	5/8"	M26x1.5 Light Series female metric 45 degree bend coupling	24.80	-	32.00	93.50	56.00	-	-
71009197	12G-22FDLORX45	3/4"	M30x2 Light Series female metric 45 degree bend coupling	29.76	-	36.00	117.14	66.14	-	-
71009232	16G-28FDLORX45	1"	M36x2 Light Series female metric 45 degree bend coupling	30.86	-	41.00	135.36	78.80	-	-
71009233	20G-35FDLORX45	1-1/4"	M45x2 Light Series female metric 45 degree bend coupling	37.50	-	50.00	152.37	93.40	-	-
71009584	4G-8FDLORX90	1/4"	M14x1.5 Light Series female metric 90 degree bend coupling	35.00	-	17.00	57.50	31.50	-	-
71009621	6G-12FDLORX90	3/8"	M18x1.5 Light Series female metric 90 degree bend coupling	37.00	-	22.00	60.10	32.20	-	-
71009650	8G-15FDLORX90	1/2"	M22x1.5 Light Series female metric 90 degree bend coupling	42.00	-	27.00	77.90	40.40	-	-
71009178	10G-18FDLORX90	5/8"	M26x1.5 Light Series female metric 90 degree bend coupling	51.50	-	32.00	77.30	47.60	-	-
71009180	12G-22FDLORX90	3/4"	M30x2 Light Series female metric 90 degree bend coupling	62.00	-	36.00	94.76	56.30	-	-
71009244	16G-28FDLORX90	1"	M36x2 Light Series female metric 90 degree bend coupling	70.00	-	41.00	131.09	74.30	-	-
71009245	20G-35FDLORX90	1-1/4"	M90x2 Light Series female metric 90 degree bend coupling	80.00	-	50.00	141.80	82.80	-	-

Heavy Series

71009567	4G-8FDHORX	1/4"	M16x1.5 Heavy Series female metric straight coupling	-	-	19.00	54.40	28.40	-	-
71009607	6G-12FDHORX	3/8"	M20x1.5 Heavy Series female metric straight coupling	-	-	24.00	57.80	29.90	-	-
71009643	8G-16FDHORX	1/2"	M24x1.5 Heavy Series female metric straight coupling	-	-	30.00	66.40	33.50	-	-

COUPLING RANGE FOR WIRE & TEXTILE BRAIDED PRODUCTS

Item Code	Item Name	Suitable for Hose ID	Description	Drop Length (in mm)	Back up Hex size (in mm)	Nut Hex size (in mm)	Stem Length (in mm)	Cut off length (in mm)	Flange OD (in mm)	Flange thickness (in mm)
71009410	10G-16FDHORX	5/8"	M24x1.5 Heavy Series female metric straight coupling		-	30.00	71.90	34.40	-	-
71009210	10G-20FDHORX	5/8"	M30x2 Heavy Series female metric straight coupling		-	36.00	75.70	38.20	-	-
71009669	12G-25FDHORX	3/4"	M36x2 Heavy Series female metric straight coupling		-	46.00	96.10	45.10	-	-
DOMC2055	12G-30FDHORX	3/4"	M42x2 Heavy Series female metric straight coupling		-	-	-	-	-	-
71009223	16G-30FDHORX	1"	M42x2 Heavy Series female metric straight coupling		-	50.00	94.06	49.21	-	-
71009224	20G-38FDHORX	1-1/4"	M52x2 Heavy Series female metric straight coupling		-	60.00	104.10	57.80	-	-
71001531	4G-8MDH	1/4"	M16x1.5 Heavy Series male metric straight coupling		17.00	-	53.00	27.00	-	-
71001535	6G-12MDH	3/8"	M20x1.5 Heavy Series male metric straight coupling		24.00	-	57.50	29.60	-	-
71000537	8G-16MDH	1/2"	M24x1.5 Heavy Series male metric straight coupling		27.00	-	69.00	31.50	-	-
71000538	10G-20MDH	5/8"	M30x2 Heavy Series male metric straight coupling		32.00	-	73.50	36.00	-	-
71000539	12G-25MDH	3/4"	M36x2 Heavy Series male metric straight coupling		41.00	-	92.00	41.00	-	-
71009253	16G-30MDH	1"	M42x2 Heavy Series male metric straight coupling		46.00	-	99.20	42.41	-	-
71009574	4G-8FDHORX45	1/4"	M16x1.5 Heavy Series female metric 45 degree bend coupling	16.20	-	19.00	62.60	36.50	-	-
71009614	6G-12FDHORX45	3/8"	M20x1.5 Heavy Series female metric 45 degree bend coupling	18.90	-	24.00	68.80	40.90	-	-
71009648	8G-16FDHORX45	1/2"	M24x1.5 Heavy Series female metric 45 degree bend coupling	21.60	-	30.00	86.00	48.50	-	-
71009196	10G-20FDHORX45	5/8"	M30x2 Heavy Series female metric 45 degree bend coupling	24.90	-	36.00	93.10	55.70	-	-
71009198	12G-25FDHORX45	3/4"	M36x2 Heavy Series female metric 45 degree bend coupling	31.17	-	46.00	106.01	67.55	-	-
71009168	4G-8FDLORX90	1/4"	M36x2 Heavy Series female metric 45 degree bend coupling	35.00	-	17.00	57.50	31.50	-	-
71009235	16G-30FDHORX45	1"	M42x2 Heavy Series female metric 45 degree bend coupling	35.10	-	50.00	139.80	83.00	-	-
71009494	20G-38FDHORX45	1-1/4"	M52x2 Heavy Series female metric 45 degree bend coupling	42.50	-	60.00	166.90	107.90	-	-
71009583	4G-8FDHORX90	1/4"	M16x1.5 Heavy Series female metric 90 degree bend coupling	35.00	-	19.00	57.50	31.50	-	-
71009620	6G-12FDHORX90	3/8"	M20x1.5 Heavy Series female metric 90 degree bend coupling	37.00	-	24.00	60.10	32.20	-	-
71009651	8G-16FDHORX90	1/2"	M24x1.5 Heavy Series female metric 90 degree bend coupling	44.00	-	30.00	77.90	40.40	-	-
71009179	10G-20FDHORX90	5/8"	M30x2 Heavy Series female metric 90 degree bend coupling	51.00	-	36.00	84.10	46.60	-	-
71009181	12G-25FDHORX90	3/4"	M36x2 Heavy Series female metric 90 degree bend coupling	64.00	-	46.00	94.76	56.30	-	-
71009247	16G-30FDHORX90	1"	M42x2 Heavy Series female metric 90 degree bend coupling	76.00	-	50.00	119.15	74.30	-	-
71009493	20G-38FDHORX90	1-1/4"	M52x2 Heavy Series female metric 90 degree bend coupling	87.00	-	60.00	151.40	92.40	-	-
Flat Face O-Ring Coupling										
71041804	4G-4FFORX	1/4"	9/16-18 female flat face straight coupling	-	17.00	52.70	26.70	-	-	-
71041805	4G-6FFORX	1/4"	11/16-16 female flat face straight coupling	-	22.00	51.10	25.10	-	-	-
71041809	6G-6FFORX	3/8"	11/16-16 female flat face straight coupling	-	22.00	57.70	28.90	-	-	-
71041810	6G-8FFORX	3/8"	13/16-16 female flat face straight coupling	-	24.00	57.40	28.60	-	-	-
71041815	8G-8FFORX	1/2"	13/16-16 female flat face straight coupling	-	24.00	66.50	31.30	-	-	-
71041816	8G-10FFORX	1/2"	1-14 female flat face straight coupling	-	30.00	70.00	34.80	-	-	-
71041919	10G-8FFORX	5/8"	13/16-16 female flat face straight coupling	24.00	24.00	97.20	59.70	-	-	-
71041820	10G-10FFORX	5/8"	1-14 female flat face straight coupling	-	30.00	76.00	38.50	-	-	-
71041921	10G-12FFORX	5/8"	1 3/16-12 female flat face straight coupling	24.00	36.00	77.50	40.00	-	-	-
71041825	12G-12FFORX	3/4"	1 3/16-12 female flat face straight coupling	-	36.00	92.80	41.80	-	-	-
71041826	12G-16FFORX	3/4"	1 7/16-12 female flat face straight coupling	-	41.00	88.30	37.30	-	-	-
71041930	16G-16FFORX	1"	1 7/16-12 female flat face straight coupling	41.00	41.00	110.00	53.20	-	-	-
71041935	20G-20FFORX	1-1/4"	1 11/16-12 female flat face straight coupling	50.00	50.00	117.50	58.50	-	-	-
71041604	4G-4MFFOR	1/4"	9/16-18 male flat face straight coupling	17.00	-	52.50	26.50	-	-	-
71041607	6G-6MFFOR	3/8"	11/16-16 male flat face straight coupling	19.00	-	56.00	28.10	-	-	-
71041707	6G-6MFFORBKHDLN	3/8"	11/16-16 male bulkhead flat face straight coupling	-	27.00	-	78.10	50.20	-	-
71041611	8G-8MFFOR	1/2"	13/16-16 male flat face straight coupling	22.00	-	68.20	30.70	-	-	-
71041711	8G-8BKHMFFOR	1/2"	13/16-16 male flat-face O-Ring bulk Head long nose coupling		30.00	-	90.20	52.70	-	-
71041612	8G-10MFFOR	1/2"	1-14 male flat face straight coupling	27.00	-	73.00	35.50	-	-	-
71041615	10G-10MFFOR	5/8"	1-14 male flat face straight coupling	27.00	-	73.00	35.50	-	-	-
71041716	10G-10MFFORBKHDLN	5/8"	1-14 male bulkhead flat face straight coupling	36.00	-	97.10	59.64	-	-	-
71041616	10G-12MFFOR	5/8"	1 3/16-12 male flat face straight coupling	32.00	-	77.00	39.50	-	-	-
71041618	12G-12MFFOR	3/4"	1 3/16-12 male flat face straight coupling	32.00	-	90.00	39.00	-	-	-
71041621	16G-16MFFOR	1"	1 7/16-12 male flat face straight coupling	41.00	-	102.00	45.20	-	-	-

COUPLING RANGE FOR SPIRAL HOSE PRODUCTS

Item Code	Item Name	Suitable for Hose ID	Description	Drop Length (in mm)	Back up Hex size (in mm)	Nut Hex size (in mm)	Stem Length (in mm)	Cut off length (in mm)	Flange OD (in mm)	Flange thickness (in mm)
71041624	20G-20MFFOR	1-1/4"	1 11/16-12 male flat face straight coupling	46.00	-	109.00	50.00	-	-	-
71042204	4G-4FFORX45	1/4"	9/16-18 female flat face 45 degree bend coupling	10.00	14.00	17.00	65.20	39.20	-	-
71042208	6G-6FFORX45	3/8"	11/16-16 female flat face 45 degree bend coupling	11.00	17.00	22.00	69.80	41.90	-	-
71042213	8G-8FFORX45	1/2"	13/16-16 female flat face 45 degree bend coupling	15.00	22.00	24.00	89.00	51.50	-	-
71042217	10G-10FFORX45	5/8"	1-14 female flat face 45 degree bend coupling 16.00	24.00	30.00	100.50	63.00	-	-	-
71042222	12G-12FFORX45	3/4"	1 3/16-12 female flat face 45 degree bend coupling	21.00	30.00	36.00	118.40	67.40	-	-
71042226	16G-16FFORX45	1"	1 7/16-12 female flat face 45 degree bend coupling	24.00	41.00	41.00	146.90	90.10	-	-
71042229	20G-20FFORX45	1-1/4"	1 11/16-12 female flat face 45 degree bend coupling	25.00	50.00	50.00	158.00	99.00	-	-
71042404	4G-4FFORX90S	1/4"	9/16-18 female flat face 90 degree bend short drop coupling	21.00	14.00	17.00	60.20	34.20	-	-
71042405	4G-4FFORX90M	1/4"	9/16-18 female flat face 90 degree bend medium drop coupling	32.00	14.00	17.00	56.20	30.20	-	-
71042409	4G-6FFORX90S	1/4"	11/16-16 female flat face 90 degree bend short drop coupling	23.00	14.00	22.00	63.40	37.40	-	-
71042412	4G-6FFORX90L	1/4"	11/16-16 female flat face 90 degree bend long drop coupling	54.00	14.00	22.00	65.00	39.00	-	-
71042425	6G-6FFORX90M	3/8"	11/16-16 female flat face 90 degree bend medium drop coupling	38.00	17.00	22.00	63.60	35.70	-	-
71042426	6G-6FFORX90L	3/8"	11/16-16 female flat face 90 degree bend long drop coupling	54.00	17.00	22.00	69.30	41.40	-	-
71042424	6G-6FFORX90S	3/8"	11/16-16 female flat face 90 degree bend short drop coupling	23.00	17.00	22.00	72.50	44.60	-	-
71042429	6G-8FFORX90-29	3/8"	13/16-16 female flat face 90 degree bend coupling	29.00	17.00	24.00	73.00	45.10	-	-
71042440	8G-8FFORX90M	1/2"	13/16-16 female flat face 90 degree bend medium drop coupling	41.00	22.00	24.00	83.90	46.50	-	-
71042439	8G-8FFORX90S	1/2"	13/16-16 female flat face 90 degree bend short drop coupling	29.00	22.00	24.00	83.90	46.50	-	-
71042444	8G-10FFORX90S	1/2"	1-14 female flat face 90 degree bend short drop coupling	32.00	22.00	30.00	92.90	55.40	-	-
71042454	10G-10FFORX90S	5/8"	1-14 female flat face 90 degree bend short drop coupling	32.00	24.00	30.00	92.50	55.00	-	-
71042455	10G-10FFORX90M	5/8"	1-14 female flat face 90 degree bend medium drop coupling	47.00	24.00	30.00	92.80	55.30	-	-
71042459	10G-12FFORX90S	5/8"	1 3/16-12 female flat face 90 degree bend short drop coupling	48.00	24.00	36.00	96.30	58.80	-	-
71042465	12G-12FFORX90M	3/4"	1 3/16-12 female flat face 90 degree bend medium drop coupling	58.00	30.00	36.00	109.00	58.00	-	-
71042464	12G-12FFORX90S	3/4"	1 3/16-12 female flat face 90 degree bend short drop coupling	48.00	30.00	36.00	109.00	58.00	-	-
71042469	12G-16FFORX90S	3/4"	1 7/16-12 female flat face 90 degree bend short drop coupling	56.00	30.00	41.00	128.50	77.50	-	-
71042473	16G-12FFORX90S	1"	1 3/16-12 female flat face 90 degree bend short drop coupling	48.00	34.93	36.00	129.40	72.60	-	-
71042474	16G-16FFORX90S	1"	1 7/16-12 female flat face 90 degree bend short drop coupling	56.00	41.00	41.00	129.90	73.10	-	-
71042475	16G-16FFORX90M	1"	1 7/16-12 female flat face 90 degree bend medium drop coupling	71.00	34.93	41.00	129.90	73.10	-	-
71042480	20G-20FFORX90M	1-1/4"	1 11/16-12 female flat face 90 degree bend medium drop coupling	78.00	44.45	50.00	140.00	81.00	-	-

Code 61 Flange Coupling

71032520	12G-12FL	3/4"	38.1mm Code 61 straight flange	-	-	-	98.00	47.00	38.10	6.73
71032530	16G-16FL	1"	44.5mm Code 61 straight flange	-	-	-	105.00	48.21	44.45	8.00
71032958	12G-16FL90S	3/4"	44.5mm Code 61 flange 90 degree bend short drop	61.00	-	-	119.80	68.80	44.45	8.00
71032953	12G-12FL90M	3/4"	38.1mm Code 61 flange 90 degree bend medium drop	58.00	-	-	115.30	64.30	38.10	6.73
71032970	16G-16FL90S	1"	44.5mm Code 61 flange 90 degree bend short drop	61.00	-	-	139.30	82.50	44.45	8.00

Additional Range - Braided Couplings

71001328	8G-10MB	1/2"	7/8-14 male O-ring Boss straight coupling	-	25.4	NA	68	30.5	-	-
73345004	3/4" NPT Reusable Coupling Brass	3/4"	3/4-14 Reusable coupling for Fuel Dispensing Hose	-	31.8	NA	64.4	26.4	-	-
73345005	1" NPT Reusable Coupling Brass	1"	1- 11 1/2 Reusable coupling for Fuel Dispensing Hose	-	38.1	NA	68.4	30.4	-	-
73345002	1" BSP Female Resuable Coupling3	1"	1-11 female resuable coupling for Fuel Dispensing Hose	-	NA	NA	NA	NA	-	-

COUPLING RANGE FOR SPIRAL HOSE PRODUCTS

Item Code	Item Name	Suitable for Hose ID	Description	Drop Length (in mm)	Back up Hex size (in mm)	Nut Hex size (in mm)	Stem Length (in mm)	Cut off length (in mm)	Flange OD (in mm)	Flange thickness (in mm)
GLOBALSPIRAL™ (GS) Couplings										
BSP Couplings										
734791406	8GS-8FBSPORX	1/2"	1/2-14 female BSP straight coupling with O-ring -	-	27.00	61.00	23.60	-	-	-
734792406	10GS-10FBSPORX	5/8"	5/8-14 female BSP straight coupling with O-ring	-	-	30.00	85.10	30.00	-	-
734789306	10GS-12HFBSPORX	5/8"	3/4-14 BSP female straight coupling with backup hex	-	30.00	32.00	82.50	32.20	-	-
734793966	10GS-12FBSPORX	5/8"	3/4-14 BSP female straight coupling	-	-	30.00	85.10	34.80	-	-
734793996	12GS-12FBSPORX	3/4"	3/4-14 BSP female straight coupling	-	32.00	86.50	35.50	-	-	-
734795566	12GS-12HFBSPORX	3/4"	3/4-14 BSP female straight coupling with backup hex	-	32.00	32.00	86.50	35.50	-	-
734792206	12GS-12MBSPP	3/4"	3/4-14 BSP male straight coupling	-	32.00	-	85.10	34.80	-	-
734789326	12GS-12BKHDMBSP	3/4"	3/4-14 BSP male bulkhead straight coupling	-	32.00	-	106.00	56.00	-	-
734792586	12GS-16FBSPORX	3/4"	1-11 BSP female straight coupling	-	-	-	41.00	95.00	35.60	-
734790816	16GS-16FBSPORX	1"	1-11 BSP female straight coupling	-	41.00	95.00	38.60	-	-	-
734795576	16GS-16HFBSPORX	1"	1-11 BSP female straight coupling with backup hex	-	41.00	41.00	95.00	38.50	-	-
734790826	16GS-16MBSPP	1"	1-11 BSP male straight coupling	-	41.00	-	98.10	41.20	-	-
734789336	20GS-20FBSPPX	1-1/4"	1 1/4-11 female BSP straight coupling without O-ring	-	-	50.00	116.50	45.40	-	-
734795586	20GS-20HFBSPORX	1-1/4"	1 1/4-11 female BSP straight coupling with O-ring and backup hex	-	47.63	50.00	116.50	45.00	-	-
734793526	20GS-20MBSPPSP	1-1/4"	1 1/4-11 male BSP straight coupling	-	-	122.00	50.90	-	-	-
734791416	8GS-8FBSPORX45	1/2"	1/2-14 BSP female 45 degree bend coupling 17.00	-	27.00	91.40	54.10	-	-	-
734794006	12GS-12FBSPORX45M	3/4"	3/4-14 BSP female 45 degree bend coupling 28.30	-	32.00	132.60	81.60	-	-	-
734792276	16GS-16FBSPORX45	1"	1-11 BSP female 45 degree bend coupling 31.00	-	41.00	155.50	99.10	-	-	-
734793396	20GS-20FBSPORX45	1-1/4"	1 1/4-11 female BSP 45 degree bend coupling with O-ring	37.60	-	50.00	191.00	119.90	-	-
734791426	8GS-8FBSPORX90M	1/2"	1/2-14 BSP female 90 degree bend medium drop coupling	37.60	-	27.00	87.90	50.60	-	-
734793986	10GS-12FBSPORX90	5/8"	3/4-14 BSP female 90 degree bend coupling 60.00	-	32.00	112.50	62.20	-	-	-
734794016	12GS-12FBSPORX90M	3/4"	3/4-14 BSP female 90 degree bend coupling 60.00	-	32.00	124.20	73.20	-	-	-
734790786	16GS-16FBSPORX90	1"	1-11 BSP female 90 degree bend coupling 70.00	-	41.00	147.60	91.20	-	-	-
734789346	20GS-20FBSPX90	1-1/4"	1 1/4-11 female BSP 90 degree bend coupling without O-ring	85.00	-	50.00	170.90	99.80	-	-
734793406	20GS-20FBSPORX90	1-1/4"	1 1/4-11 female BSP 90 degree bend coupling with O-ring	80.00	-	50.00	180.60	109.50	-	-
734789376	24GSP-24FBSPORX90-111	1-1/2"	1 1/2-11 BSP female 90 degree bend long drop coupling	111.00	-	55.00	194.60	120.90	-	-
734789426	20GS-20FBSPORX90-115	1-1/4"	1 1/4-11 female BSP 90 degree bend long drop coupling with O-ring	115.00	-	50.00	170.90	99.80	-	-
JIC 37° Coupling										
734724446	12GS-12FJX	3/4"	1 1/16-12 (JIC) female straight coupling	28.58	31.75	83.20	32.20	-	-	-
734724556	16GS-16FJX	1"	1 5/16-12 (JIC) female straight coupling	38.10	38.10	93.00	36.61	-	-	-
734789086	16GS-16FJX41HEX	1"	1 5/16-12 (JIC) female straight coupling	38.10	41.00	93.00	36.61	-	-	-
734724646	20GS-20FJX	1-1/4"	1 5/8-12 female JIC straight coupling -	47.62	50.80	134.40	65.00	-	-	-
734725446	12GS-12FJX45S	3/4"	1 1/16-12 (JIC) female 45 degree bend short drop coupling	21.10	-	31.80	130.10	79.00	-	-
734725556	16GS-16FJX45S	1"	1 5/16-12 (JIC) female 45 degree bend short drop coupling	23.90	-	38.10	151.90	95.80	-	-
734728446	12GS-12FJX90M	3/4"	1 1/16-12 (JIC) female 90 degree bend coupling	58.00	28.58	31.75	119.00	68.00	-	-
734724566	16GS-20FJX	1"	1 5/8-12 female JIC straight coupling -	38.10	50.20	115.10	58.70	-	-	-
734727556	16GS-16FJX90S	1"	1 5/16-12 (JIC) female 90 degree bend short drop coupling	55.90	-	38.10	144.00	87.60	-	-
734728556	16GS-16FJX90M	1"	1 5/16-12 (JIC) female 90 degree bend coupling	71.00	38.00	38.00	144.00	87.60	-	-
734727646	20GS-20FJX90S	1-1/4"	1 5/8-12 female JIC 90 degree bend short drop coupling	64.00	-	50.80	174.00	102.90	-	-
DIN Metric 24° Coupling										
734791336	8GS-16FDHORX	1/2"	M24x1.5 Heavy Series female metric straight coupling	-	-	30.00	79.00	41.40	-	-
734792106	10GS-18FDLORX	5/8"	M26x1.5 Light Series female metric straight coupling	-	-	32.00	91.70	41.40	-	-
734792116	10GS-20FDHORX	5/8"	M30 x 2 Heavy Series female straight	-	36.00	100.00	49.70	-	-	-
734792146	12GS-20FDHORX	3/4"	M30 x 2 Heavy Series female straight	-	36.00	103.00	52.00	-	-	-
734792156	12GS-25FDHORX	3/4"	M36 x 2 Heavy Series female straight	-	46.00	107.40	56.40	-	-	-
734791536	16GS-25FDHORX	1"	M36 x 2 Heavy Series female straight	-	46.00	116.00	59.60	-	-	-
734790806	16GS-30FDHORX	1"	M42 x 2 Heavy Series female straight	-	50.00	118.00	61.60	-	-	-
734793306	20GS-38FDHORX	1-1/4"	M52 x 2 Heavy Series female straight	-	60.00	145.00	73.90	-	-	-

COUPLING RANGE FOR SPIRAL HOSE PRODUCTS

Item Code	Item Name	Suitable for Hose ID	Description	Drop Length (in mm)	Back up Hex size (in mm)	Nut Hex size (in mm)	Stem Length (in mm)	Cut off length (in mm)	Flange OD (in mm)	Flange thickness (in mm)
734789176	20GS-38FDHORX-6W	1-1/4"	M52 x 2 Heavy Series female straight	-	60.00	145.00	73.90	-	-	-
734792506	10GS-18FDLORX45	5/8"	M26x1.5 Light Series female metric 45 degree bend coupling	24.80	-	32.00	121.90	71.60	-	-
734789096	16GS-30FDHORX45-60	1"	M42 x 2 Heavy Series female 45 degree bend coupling	60.00	-	50.00	159.80	103.40	-	-
734789296	8GS-16FDHORX90-70	1/2"	M24x1.5 Heavy Series female metric 90 degree bend coupling	70.00	-	30.00	88.00	50.50	-	-
734789286	10GS-20FDHORX90-65	5/8"	M30x2 Heavy Series female metric 90 degree bend coupling	65.00	-	36.00	112.50	62.20	-	-
734792196	12GS-25FDHORX90	3/4"	M36 x 2 Heavy Series female 90 degree bend coupling	64.00	-	46.00	126.00	54.32	-	-
734789206	12GS-25FDHORX90-130	3/4"	M36 x 2 Heavy Series female 90 degree bend coupling	130.00	-	46.00	126.00	75.00	-	-
734790776	16GS-30FDHORX90M	1"	M42 x 2 Heavy Series female 90 degree bend medium drop coupling	76.00	-	50.00	151.00	94.60	-	-
734793316	20GS-38FDHORX90	1-1/4"	M52 x 2 Heavy Series female 90 degree bend coupling	87.00	-	60.00	180.50	109.40	-	-
Flat Face O-Ring Coupling										
734730246	8GS-8FFORX	1/2"	13/16-16 (ORFS) female straight coupling	27.00	24.00	71.50	34.00	-	-	-
734789076	8GS-8FFORX27HEX	1/2"	13/16-16 (ORFS) straight female coupling Hex size 27mm	-	27.00	27.00	71.50	34.00	-	-
734730256	8GS-10FFORX	1/2"	1-14 (ORFS) female straight coupling	27.00	30.00	78.00	40.50	-	-	-
734723896	8GS-10MFFOR	1/2"	1-14 (ORFS) male straight coupling	-	27.00	74.00	36.50	-	-	-
734730346	10GS-10FFORX	5/8"	1-14 (ORFS) female straight coupling	30.00	30.00	93.00	42.70	-	-	-
734723876	10GS-10MFFOR	5/8"	1-14 (ORFS) male straight coupling 27.00	-	87.00	36.70	-	-	-	-
734723886	10GS-12MFFOR	5/8"	1-3/16 - 12 (ORFS) male straight coupling	-	32.00	89.00	38.70	-	-	-
734730356	10GS-12FFORX	5/8"	1 3/16-12 (ORFS) female straight coupling	30.00	36.00	95.00	44.70	-	-	-
734730436	12GS-10FFORX	3/4"	1-14 female flat face straight coupling	-	32.00	30.00	97.00	46.00	-	-
734730446	12GS-12FFORX	3/4"	1 3/16-12 (ORFS) female straight coupling	32.00	36.00	100.50	49.50	-	-	-
734730466	12GS-16FFORX	3/4"	1 7/16-12 (ORFS) female straight coupling	-	32.00	41.00	103.10	52.10	-	-
734730556	16GS-16FFORX	1"	1 7/16-12 (ORFS) female straight coupling	41.00	41.00	111.00	54.60	-	-	-
734730646	20GS-20FFORX-4W	1-1/4"	1 11/16-12 (ORFS) female straight coupling for 4 Wire Spiral hose	-	50.00	50.00	128.00	56.90	-	-
734789116	20GS-20FFORX-6W	1-1/4"	1 11/16-12 (ORFS) female straight coupling for 6 Wire Spiral hose	-	50.00	50.00	128.00	56.90	-	-
734731246	8GS-8FFORX45S	1/2"	13/16-16 (ORFS) female 45 degree bend coupling	15.00	27.00	24.00	94.00	56.50	-	-
734731346	10GS-10FFORX45S	5/8"	1-14 (ORFS) female 45 degree bend short drop coupling	16.00	-	30.00	111.00	60.70	-	-
734789456	10GS-12FFORX45-24	5/8"	1 3/16-12 (ORFS) female 45 degree bend coupling	23.00	-	36.00	127.18	76.80	-	-
734732436	12GS-10FFORX90S	3/4"	1-14 female flat face 90 degree bend short drop coupling	32.00	-	30.00	111.00	59.90	-	-
734731446	12GS-12FFORX45S	3/4"	1 3/16-12 (ORFS) female 45 degree bend coupling	21.00	32.00	36.00	125.00	74.00	-	-
734789156	12GS-12MFFORBKHDLN	3/4"	1-3/16 - 12 (ORFS) male bulkhead straight coupling	-	31.80	-	113.00	62.00	-	-
734731556	16GS-16FFORX45S	1"	1 7/16-12 (ORFS) female 45 degree bend coupling	24.00	41.00	41.00	144.00	87.60	-	-
734732246	8GS-8FFORX90S	1/2"	13/16-16 (ORFS) female 90 degree bend coupling	29.00	27.00	27.00	86.00	48.50	-	-
734789396	8GS-8FFORX90L	1/2"	1-14 (ORFS) female 90 degree bend long drop coupling	130.00	-	24.00	92.40	54.80	-	-
734733256	8GS-10FFORX90M	1/2"	1-14 (ORFS) female 90 degree bend coupling 47.00	27.00	30.00	101.00	63.50	-	-	-
734732346	10GS-10FFORX90S	5/8"	1-14 (ORFS) female 90 degree bend short drop coupling	32.00	-	30.00	106.70	56.40	-	-
734733346	10GS-10FFORX90M	5/8"	1-14 (ORFS) female 90 degree bend coupling 47.00	30.00	30.00	107.00	56.70	-	-	-
734732356	10GS-12FFORX90 -58	5/8"	1 3/16-12 (ORFS) female 90 degree bend coupling	58.00	30.00	36.00	125.00	74.70	-	-
734732446	12GS-12FFORX90S	3/4"	1 3/16-12 (ORFS) female 90 degree bend coupling	48.00	32.00	36.00	128.00	77.00	-	-
734733446	12GS-12FFORX90M	3/4"	1 3/16-12 female flat face 90 degree bend medium drop coupling	57.90	-	36.00	128.00	77.00	-	-
734734446	12GS-12FFORX90L	3/4"	1 3/16-12 (ORFS) female 90 degree bend long drop coupling	96.00	32.00	36.00	128.00	77.00	-	-
734789276	12GS-12FFORX90-155	3/4"	1 3/16-12 (ORFS) female 90 degree bend extra long drop coupling	155.00	-	36.00	126.00	75.00	-	-
734733466	12GS-16FFORX90M	3/4"	1 7/16-12 (ORFS) female 90 degree bend medium drop coupling	71.10	-	41.00	136.90	86.10	-	-
734732556	16GS-16FFORX90S	1"	1 7/16-12 (ORFS) female 90 degree bend coupling	56.00	41.00	41.00	144.00	87.60	-	-
734789026	16GS-16FFORX90-120	1"	1 7/16-12 (ORFS) female 90 degree bend coupling	120.00	41.00	41.00	144.00	87.60	-	-
734733646	20GS-20FFORX90M-4W	1-1/4"	1 11/16-12 (ORFS) female 90 degree bend coupling for 4 Wire Spiral hose	78.00	50.00	50.00	172.00	73.10	-	-
734789126	20GS-20FFORX90M-6W	1-1/4"	1 11/16-12 (ORFS) female 90 degree bend coupling for 6 Wire Spiral hose	78.00	50.00	50.00	172.00	73.10	-	-

COUPLING RANGE FOR SPIRAL HOSE PRODUCTS

Item Code	Item Name	Suitable for Hose ID	Description	Drop Length (in mm)	Back up Hex size (in mm)	Nut Hex size (in mm)	Stem Length (in mm)	Cut off length (in mm)	Flange OD (in mm)	Flange thickness (in mm)
Flange Couplings										
Light Series Code 61										
734741246	8GS-8FL	1/2"	30.2mm Code 61 straight flange	-	-	-	93.00	55.60	30.20	6.90
734741446	12GS-12FL	3/4"	38.1mm Code 61 straight flange	-	-	-	111.00	59.90	38.10	6.90
734741466	12GS-16FL	3/4"	44.5mm Code 61 straight flange	-	-	-	111.00	59.90	44.50	8.10
734741556	16GS-16FL	1"	44.5mm Code 61 straight flange	-	-	-	125.00	68.60	44.50	8.10
734774636	20GS-16FL	1-1/4"	44.5mm Code 61 straight flange	70.00	-	-	160.00	88.90	44.45	8.10
734741646	20GS-20FL	1-1/4"	50.8mm Code 61 straight flange	-	-	-	146.10	74.90	50.80	8.10
734741726	24GSP-24FL	1-1/2"	60.5mm Code 61 straight flange	-	-	-	152.90	79.30	60.50	8.10
734741736	24GSP-32FL	1-1/2"	71.4mm Code 61 straight flange	-	-	-	147.10	76.00	71.40	9.70
734741796	32GSP-32FL	2"	71.4mm Code 61 straight flange coupling	-	-	-	159.30	67.30	71.40	9.53
734743446	12GS-12FL30M	3/4"	38.1mm Code 61 flange 30 degree bend medium drop coupling	16.00	-	-	129.00	78.00	38.10	6.73
734744446	12GS-12FL45M	3/4"	38.1mm Code 61 flange 45 degree bend medium drop	26.00	-	-	124.00	72.90	38.10	6.90
734789046	12GS-12FL45-100	3/4"	38.1mm Code 61 flange 45 degree bend	100.00	-	-	124.00	72.90	38.10	6.90
734744556	16GS-16FL45M	1"	44.5mm Code 61 flange 45 degree bend medium drop coupling	32.00	-	-	147.10	90.70	44.50	8.10
734773566	20GS-20FL45	1-1/4"	50.8mm Code 61 flange 45 degree bend coupling	32.00	-	-	169.90	98.80	50.80	8.10
734745446	12GS-12FL60M	3/4"	38.1mm Code 61 flange 60 degree bend medium drop coupling	37.00	-	-	136.90	86.10	38.10	6.90
734774246	8GS-8FL90M	1/2"	30.2mm Code 61 flange 90 degree bend medium drop	40.00	-	-	87.90	50.60	30.20	6.90
734789066	8GS-8FL90-100	1/2"	30.2mm Code 61 flange 90 degree bend coupling	100.00	-	-	87.90	50.60	30.20	6.90
734779596	10GS-8FL90-130	5/8"	30.2mm Code 61 flange 45 degree bend coupling	130.00	-	-	100.00	49.80	30.18	6.73
734789106	10GS-10FL90-130	5/8"	34.3mm Code 61 flange 45 degree bend coupling	130.00	-	-	-	-	-	-
734774446	12GS-12FL90M	3/4"	38.1mm Code 61 flange 90 degree bend medium drop	58.00	-	-	112.00	61.00	38.10	6.73
734773906	12GS-12FL90-100	3/4"	38.1mm Code 61 flange 90 degree bend coupling	100.00	-	-	122.00	71.00	38.10	6.73
734778356	12GS-12FL90-140	3/4"	38.1mm Code 61 flange 90 degree bend coupling	140.00	-	-	122.00	71.00	38.10	6.73
734773916	12GS-16FL90S	3/4"	44.5mm Code 61 flange 90 degree bend short drop coupling	61.00	-	-	112.00	61.00	44.50	8.10
734773926	12GS-16FL90-70	3/4"	44.5mm Code 61 flange 90 degree bend coupling	70.10	-	-	112.00	61.00	44.50	8.10
734776276	12GS-16FL90-100	3/4"	44.5mm Code 61 flange 90 degree bend long drop coupling	100.00	-	-	116.00	65.00	44.45	8.10
734779366	12GS-16FL90-130	3/4"	44.5mm Code 61 flange 90 degree bend long drop coupling	130.00	-	-	116.00	66.10	44.45	8.10
734776286	12GS-16FL90-150	3/4"	44.5mm Code 61 flange 90 degree bend long drop coupling	150.00	-	-	116.00	65.00	44.45	8.10
734779026	12GS-16FL90-180	3/4"	44.5mm Code 61 flange 90 degree bend long drop coupling	180.00	-	-	112.00	60.50	44.50	8.10
734789366	12GS-16FL90-210	3/4"	44.5mm Code 61 flange 90 degree bend long drop coupling	210.00	-	-	116.00	65.00	44.45	8.10
734776866	16GS-12FL90-100	1"	41.4mm Code 62 flange 90 degree bend coupling	100.00	-	-	184.00	127.20	38.10	6.73
734747556	16GS-16FL90S	1"	44.5mm Code 61 flange 90 degree bend short drop coupling	61.00	-	-	134.90	78.50	44.50	8.10
734774556	16GS-16FL90M	1"	44.5mm Code 61 flange 90 degree bend medium drop coupling	70.00	-	-	135.00	78.60	44.45	8.00
734778396	16GS-16FL90-90	1"	44.5mm Code 61 flange 90 degree bend coupling	90.00	-	-	142.00	85.80	44.45	8.10
734773166	16GS-16FL90-120	1"	44.5mm Code 61 flange 90 degree bend coupling	120.00	-	-	134.00	77.60	44.45	8.00
734779376	16GS-16FL90-130	1"	44.5mm Code 61 flange 90 degree bend long drop coupling	130.00	-	-	134.00	77.20	44.45	8.10
734778706	16GS-16FL90-150	1"	44.5mm Code 61 flange 90 degree bend coupling	150.00	-	-	144.00	87.40	44.45	8.10
734778876	16GS-16FL90-210	1"	44.5mm Code 61 flange 90 degree bend coupling long drop	210.00	-	-	134.10	76.70	44.50	8.10
734747646	20GS-20FL90S	1-1/4"	50.8mm Code 61 flange 90 degree bend short drop coupling	68.10	-	-	165.10	94.00	50.80	8.10
734747656	20GS-24FL90S	1-1/4"	60.5mm Code 61 flange 90 degree bend short drop coupling	81.00	-	-	165.10	94.00	60.50	8.10
734747726	24GSP-24FL90S	1-1/2"	60.5mm Code 61 flange 90 degree bend short drop coupling	81.00	-	-	183.90	110.00	60.50	8.10
734747806	32GSP-32FL90-114	2"	71.4mm Code 61 flange 90 degree bend long drop coupling	114.10	-	-	222.00	130.10	71.40	9.53
Heavy Series Code 62										
734748246	8GS-8FLH	1/2"	31.8mm Code 62 straight flange	-	93.00	55.60	31.80	7.90		
734748446	12GS-12FLH	3/4"	41.4mm Code 62 straight flange	-	114.10	63.00	41.40	8.90		
734748466	12GS-16FLH	3/4"	47.8mm Code 62 straight flange	-	114.10	63.00	47.80	9.53		
734748556	16GS-16FLH	1"	47.8mm Code 62 straight flange	-	125.00	68.60	47.80	9.70		
734748566	16GS-20FLH	1"	54.1mm Code 62 straight flange coupling	-	-	125.00	68.30	54.10	10.40	
734748646	20GS-20FLH	1-1/4"	54.1mm Code 62 straight flange for 4 Wire Spiral hose	-	-	-	146.10	74.90	54.10	10.40
734789136	20GS-20FLH-6W	1-1/4"	54.1mm Code 62 straight flange for 6 Wire Spiral hose	-	-	-	146.10	74.90	54.10	10.40

COUPLING RANGE FOR SPIRAL HOSE PRODUCTS

Item Code	Item Name	Suitable for Hose ID	Description	Drop Length (in mm)	Back up Hex size (in mm)	Nut Hex size (in mm)	Stem Length (in mm)	Cut off length (in mm)	Flange OD (in mm)	Flange thickness (in mm)
734751446	12GS-12FLH45M	3/4"	41.4mm Code 61 flange 45 degree bend coupling	26.00	-	-	124.00	73.00	41.28	8.76
734779586	12GS-12FLH45-100	3/4"	41.4mm Code 61 flange 45 degree bend coupling	100.00	-	-	194.00	142.90	41.28	8.76
734751466	12GS-16FLH45M	3/4"	47.8mm Code 62 flange 45 degree bend medium drop coupling	32.00	-	-	130.10	79.00	47.80	9.53
734751556	16GS-16FLH45M	1"	47.8mm Code 62 flange 45 degree bend medium drop coupling	32.00	-	-	147.10	90.70	47.80	9.53
734775246	8GS-8FLH90M	1/2"	31.8mm Code 62 flange 90 degree bend coupling	40.00	-	-	87.90	50.60	31.80	7.90
734789056	8GS-8FLH90-100	1/2"	31.8mm Code 62 flange 90 degree bend coupling	100.00	-	-	87.90	50.60	31.80	7.90
734775336	10GS-8FLH90M	5/8"	31.8mm Code 62 flange 90 degree bend medium drop coupling	39.90	-	-	113.00	62.70	31.80	7.90
734775446	12GS-12FLH90M	3/4"	41.4mm Code 62 flange 90 degree bend coupling	58.00	-	-	112.00	61.00	41.40	8.90
734778726	12GS-12FLH90-67	3/4"	41.4mm Code 62 flange 90 degree bend coupling	67.00	-	-	119.00	68.00	41.28	8.76
734789036	12GS-12FLH90-90	3/4"	41.4mm Code 62 flange 90 degree bend coupling	90.00	-	-	112.00	61.00	41.40	8.90
734773836	12GS-12FLH90-100	3/4"	41.4mm Code 62 flange 90 degree bend coupling	100.10	-	-	112.00	61.00	41.40	8.90
734776416	12GS-12FLH90-122	3/4"	41.4mm Code 62 flange 90 degree bend long Drop	122.00	-	-	122.00	71.00	41.28	8.76
734776296	12GS-16FLH90-100	3/4"	47.8mm Code 62 flange 90 degree bend long drop coupling	100.00	-	-	116.00	65.00	47.63	9.53
734754466	12GS-16FLH90S	3/4"	47.8mm Code 62 flange 90 degree bend short drop coupling	61.00	-	-	112.00	61.00	47.80	9.53
734754536	16GS-12FLH90M	1"	41.4mm Code 62 flange 90 degree bend medium drop	58.00	-	-	134.90	78.50	41.40	8.90
734754506	16GS-12FLH90-120	1"	41.4mm Code 62 flange 90 degree bend coupling	120.00	-	-	126.00	69.10	41.28	8.76
734775556	16GS-16FLH90M	1"	47.8mm Code 62 flange 90 degree bend medium drop	70.00	-	-	134.90	78.50	47.80	9.70
734777226	16GS-16FLH90-110	1"	47.8mm Code 62 flange 90 degree bend medium drop	110.00	-	-	135.00	78.20	47.80	9.53
734776186	20GS-16FLH90-100	1-1/4"	47.8mm Code 62 flange 90 degree bend long drop coupling	100.10	-	-	160.00	88.90	47.80	9.53
734775646	20GS-20FLH90M	1-1/4"	54.1mm Code 62 flange 90 degree bend for 4 wire spiral Hose	90.00	-	-	165.10	94.00	54.10	10.40
734789166	20GS-20FLH90M-6W	1-1/4"	54.1mm Code 62 flange 90 degree bend for 6 wire spiral Hose	90.00	-	-	165.10	94.00	54.10	10.40
734776136	20GS-20FLH90-120	1-1/4"	54.1mm Code 62 flange 90 degree bend coupling long drop (1)	120.00	-	-	165.00	93.90	54.10	10.29
734776486	20GS-20FLH90-152	1-1/4"	54.1mm Code 62 flange 90 degree bend coupling long drop (2)	152.00	-	-	165.00	93.90	54.10	10.29
734778436	20GS-20FLH90-200	1-1/4"	54.1mm Code 62 flange 90 degree bend coupling long drop (3)	200.00	-	-	165.00	93.90	54.10	10.29
Caterpillar Style O-Ring Flange										
734762446	12GS-12FLC	3/4"	41.4mm Caterpillar Style O-ring straight flange	-	-	-	145.00	94.00	41.40	14.20
734762466	12GS-16FLC	3/4"	47.8mm Caterpillar Style O-ring straight flange	-	-	-	145.00	94.00	47.80	14.20
734762556	16GS-16FLC	1"	47.8mm Caterpillar Style O-ring straight flange	-	-	-	154.90	98.30	47.80	14.20
734762566	16GS-20FLC	1"	54.1mm Caterpillar Style O-ring straight flange	-	-	-	154.90	98.30	54.10	14.20
734762646	20GS-20FLC	1-1/4"	54.1mm Caterpillar style O-ring straight flange for 4 wire Spiral Hose	-	-	-	186.90	115.80	54.10	14.20
734789186	20GS-20FLC-6W	1-1/4"	54.1mm Caterpillar style O-ring straight flange for 6 Wire Spiral Hose	-	-	-	186.90	115.80	54.10	14.20
734765556	16GS-16FLC45-037	1"	47.8mm Caterpillar Style O-ring 45 degree bend flange coupling	37.00	-	-	143.00	86.40	47.80	14.20
734765646	20GS-20FLC45-037	1-1/4"	54.1mm Caterpillar Style O-ring 45 degree bend flange coupling	37.00	-	-	176.00	104.90	54.10	14.20



VALUE PROPOSITION

Why Gates? – 12 Good Reasons >>

1. Superior Flexibility



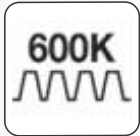
2. 1 Fitting type per range



3. MegaCrimp Fittings



4. Braided Impulse Cycles



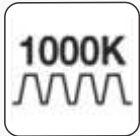
5. Tuff Cover Compounds



6. Field Technical Support



7. Spiral/Braid Impulse Cycles



8. Superior Hex –Chromium free plating



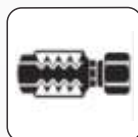
9. Ultimate Bend Radius



10. Guaranteed Leak Free



11. Non Skive Bite The Wire



12. Hose Management Service





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