

GATES HYDRAULIC HOSES

CONSTANT PRESSURE

EXTREMELY HIGH PRESSURE

HIGH PRESSURE

MEDIUM PRESSURE

LOW PRESSURE

CONSTANT PRESSURE

EXTREMELY HIGH PRESSURE

HIGH PRESSURE

MEDIUM PRESSURE

LOW PRESSURE

HOSE TYPE	Description	Product No.	Hose ID		Hose OD	Working Pressure		Min Burst Pressure		Min. Bend Radius	Packaging Spec.	Service Temp Range	CONSTRUCTION	RECOMMENDED FOR
			Inch	mm		psi	bar	psi	bar					
Megasyr Spiral Wire Hose-EFG6K-SAE 100R15 Meets Flame Resistance Acceptance Designation "MSHA 2G" For Biodegradable Hydraulic Fluids	6 EFG6K	4651-1396	3/8	9.5	20.2	6,000	414	24,000	1656	2.50	i	-40°C to +121°C #	Tube: Black, oil resistant, synthetic rubber (Nitrile - Type C). Reinforcement: Four (six for -20) alternating layers of spiraled, high tensile steel. Cover: Black, oil resistant, synthetic rubber (Neoprene - Type A). Blue stripe with gold print layline.	Extremely high-pressure, high-impulse applications 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 fluids like polyester, polyglycol and vegetable oil as well as standard petroleum based fluids. Superior impulse performance: tested to 1,000,000 impulse cycles
	8 EFG6K	4651-1371	1/2	12.7	24.0	6,000	414	24,000	1656	3.50	i			
	10 EFG6K	4651-1672	5/8	15.9	27.6	6,000	414	24,000	1656	4.00	i			
	12 EFG6K	4651-4908	3/4	19.1	31.4	6,000	414	24,000	1656	4.75	e			
	16 EFG6K	4651-4910	1	25.4	38.7	6,000	414	24,000	1656	6.00	e			
20 EFG6K	4651-1290	1-1/4	31.8	50.0	6,000	414	24,000	1656	8.25	i				
Megasyr Spiral Wire Hose-EFG5K-SAE 100R13 Meets Flame Resistance Acceptance Designation "MSHA 2G" For Biodegradable Hydraulic Fluids	6 EFG5K	**	3/8	9.5	20.2	5,000	345	20,000	1380	5.00	i	-40°C to +121°C #	Tube: Black, oil resistant synthetic rubber (Neoprene - Type A). Reinforcement: Four (six for -20) alternating layers of spiraled, high-tensile steel. Cover: Black, oil resistant synthetic rubber (Neoprene - Type A). Dual red stripe layline.	Extremely high-pressure 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 fluids like polyester, polyglycol and vegetable oil as well as standard petroleum based fluids. Superior impulse performance: tested to 1,000,000 impulse cycles
	8 EFG5K	**	1/2	12.7	24.0	5,000	345	20,000	1380	3.50	i			
	10 EFG5K	**	5/8	15.9	27.6	5,000	345	20,000	1380	4.00	i			
	12 EFG5K	4651-4903	3/4	19.1	31.4	5,000	345	20,000	1380	4.75	f			
	16 EFG5K	4651-4904	1	25.4	38.7	5,000	345	20,000	1380	6.00	f			
20 EFG5K	**	1-1/4	31.8	50.0	5,000	345	20,000	1380	8.25	i				
24 EFG5K	**	1-1/2	38.1	57.3	5,000	345	20,000	1380	10.00	i				
32 EFG5K	**	2	50.8	71.1	5,000	345	20,000	1380	25.00	i				
Megasyr Spiral Wire Hose-EFG4K-SAE 100R12 Meets Flame Resistance Acceptance Designation "MSHA 2G" For Biodegradable Hydraulic Fluids	6 EFG4K	4651-1338	3/8	9.5	20.3	4,000	276	16,000	1104	2.50	i	-40°C to +121°C #	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 stripe with white print layline.	Extremely high-pressure, high-impulse applications. Exceeds all performance requirements for SAE 100R12, EN 856 R12 and EN 856 4SP (-16). Compatible with biodegradable hydraulic fluids like polyester, polyglycol and vegetable oil as well as standard petroleum-based fluids. Superior impulse performance: tested to 1,000,000 impulse cycles
	8 EFG4K	4651-1339	1/2	12.7	24.8	4,000	296	16,000	1104	3.50	i			
	10 EFG4K	4651-1367	5/8	15.9	27.6	4,000	276	16,000	1104	4.00	i			
	12 EFG4K	4651-4901	3/4	19.1	30.7	4,000	276	16,000	1104	4.75	f			
	16 EFG4K	4651-4902	1	25.4	38.0	4,000	276	16,000	1104	6.00	f			
20 EFG4K	4651-1284	1-1/4	31.8	47.0	4,000	276	16,000	1104	8.27	i				
24 EFG4K	4651-1284	1-1/4	31.8	47.0	4,000	276	16,000	1104	8.27	i				
32 EFG4K	4651-1284	1-1/4	31.8	47.0	4,000	276	16,000	1104	8.27	i				
Megasyr Wire Braid Hose-M3K Exceeds SAE 100R17 and ISO 11237 R19 Flame resistant MSHA-2G-11C	4M3K	4657-4778	1/4	6.3	12.2	3,250	225	13,000	900	1.5	a	(-40°C to +100°C)	Tube: Black, oil resistant, synthetic rubber (Nitrile). Reinforcement: Braided, high-tensile steel wire; 3/16" thru 1/2" have one braid, 5/8" thru 1" have two braids. Cover: Black, synthetic rubber (Modified Nitrile Type C2), resists abrasion, oil, weather, ozone.	M3K is designed to meet all requirements of SAE100R17(-4,-6,-8) and SAE100R22(-12,-16). Compatible with biodegradable hydraulic fluids. Superior impulse tested to 6,000,000 cycles
	6M3K	4657-4779	3/8	9.5	16.0	3,250	225	13,000	900	2.0	a			
	8M3K	4657-4780	1/2	12.5	20.2	3,250	225	13,000	900	2.0	b			
	10M3K	4657-4782	5/8	15.9	25.2	3,250	225	13,000	900	3.0	b			
	12M3K	4657-4781	3/4	19.1	29.1	3,250	225	13,000	900	3.8	b			
16M3K	4657-5061	1	25.4	37.3	3,250	225	13,000	900	4.5	a				
20M3K	4657-4778	1-1/4	31.8	47.0	3,250	225	13,000	900	5.5	a				
Megasyr Wire Braid Hose-M4K Exceeds SAE 100R19 and ISO 11237 R19 Flame resistant MSHA-2G-11C	4M4K	4657-4778	1/4	6.3	12.2	4,000	280	16,000	1100	1.5	a	(-40°C to +100°C)	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.	M4K is designed to meet all requirements of SAE100R19 (-4), SAE100R22 (-6,-8,10) and SAE100R12(-12). Compatible with biodegradable hydraulic fluids. Superior impulse tested to 6,000,000 cycles
	6M4K	4657-4777	3/8	9.5	16.0	4,000	280	16,000	1100	2.0	a			
	8M4K	4657-4793	1/2	12.5	20.2	4,000	280	16,000	1100	2.8	b			
	10M4K	4657-5056	5/8	15.9	25.2	4,000	280	16,000	1100	3.0	b			
	12M4K	4657-5060	3/4	19.1	29.1	4,000	280	16,000	1100	3.8	b			
M-XP Million Impulse Cycle Braid Hose Flame resistant US MSHA 2G-11C	4M-XP	4657-4216	1/4	6.3	13.7	4,000	280	16,000	1103	2	i	(-40°C to 100°C)	Tube: Nitrile Reinforcement: 2 wire braids Cover: Nitrile	Hydraulic systems, 4000 PSI W.P. High impulse applications
	6M-XP	4657-4217	3/8	9.5	17.5	4,000	280	16,000	1103	2.5	i			
	8M-XP	4657-4218	1/2	12.5	18.7	4,000	280	16,000	1103	3.5	i			
	10M-XP	4657-4219	5/8	15.9	22.2	4,000	280	16,000	1103	4	i			
12M-XP	4657-4220	3/4	19.0	29.4	4,000	280	16,000	1103	4.80	i				
4XH Spiral Wire Hose—EN 856 4SH ISO 3862 Meets Flame Resistance Acceptance Designation "MSHA IC-417"	12 4XH	4651-4907	3/4	19.1	31.5	6,100	420	26,100	1800	8.30	f	40°C to +100°C	Tube: Black, oil resistant synthetic rubber (Nitrile). Reinforcement: Four alternating layers of spiraled, high tensile steel wire. Cover: Black, oil resistant, synthetic rubber (Nitrile)	Extremely high-pressure, high-impulse 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
	16 4XH	4651-4908	1	25.4	37.7	5,600	386	26,100	1800	8.70	f			
	20 4XH	4651-4910	1-1/4	31.8	45.2	5,050	350	20,300	1400	16.50	i			
4XP Spiral Wire Hose—EN 856 4SP ISO 3862 Meets Flame Resistance Acceptance Designation "MSHA IC-417"	6 4XP	**	3/8	9.5	21.2	6,650	460	26,600	1840	7.10	i	-40°C to +100°C	Tube: Black, oil resistant synthetic rubber (Nitrile). Reinforcement: Four alternating layers of spiraled, high tensile steel wire. Cover: Black, oil resistant, synthetic rubber (Nitrile)	Extremely high-pressure, 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.
	8 4XP	4651-10033	1/2	12.7	24.3	6,150	425	24,600	1700	4.70	i			
	10 4XP	4651-10034	5/8	15.9	27.7	5,800	400	23,200	1600	5.50	i			
	12 4XP	4651-4905	3/4	19.1	31.5	5,500	380	23,925	1650	6.70	e			
16 4XP	4651-4906	1	25.4	39.8	4,900	340	20,000	1400	13.40	e				
20 4XP	**	1-1/4	31.8	49.8	3,050	210	18,120	1250	18.10	i				
CPS COAL POWER-4 AND 6 SPIRAL Hose Meets performance requirements of SAE 100 R13 Meets flame resistance acceptance designation "MSHA 2G"	12 CPS	4651-0400	3/4	19.1	31.4	5,000*	345	20,000	1380	4.75	i	-40°C to +121°C #	Tube: Black, oil resistant synthetic rubber (Neoprene). Reinforcement: Four alternating layers of spiraled, high tensile steel wire over a layer of fabric on 1 1/2, 1 1/2 and 2" sizes. Cover: Black, oil resistant, abrasion resistant synthetic rubber (Neoprene). Yellow layline stripe.	High pressure lines in longwall mining equipment and roof support systems / petroleum based or water emulsion fluids. Compatible with biodegradable hydraulic fluids like polyglycol and vegetable oils as well.
	16 CPS	4651-0401	1	25.4	38.7	5,000*	345	20,000	1380	6.00	i			
	20 CPS	4651-0402	1-1/4	31.8	50.0	5,000*	345	20,000	1380	8.25	i			
	24 CPS	4651-0415	1-1/2	38.1	57.3	5,000*	345	20,000	1380	10.00	i			
32 CPS	4651-0416	2	50.8	71.1	5,000*	345	20,000	1380	25.00	i				
BHL X-TRA HOSE Meets flame resistance acceptance designation "MSHA 2G"	4 BHL	4657-8743	1/4	6.4	15.1	5075	350	20,300	1400	2.00	g	-40°C to +120°C	Tube: Nitrile Black Reinforcement: 2 braids of high tensile steel wire Cover: Specially modified synthetic rubber	Hose for high impulse and tight bend radius application. Mainly used for backhoe loader, other construction and earth moving application.
	6 BHL	4657-8744	3/8	9.5	17.7	4785	330	19,140	1320	2.20	g			
	8 BHL	4657-8745	5/8	12.7	20.6	3987	275	15,950	1100	3.50	h			
	10 BHL	4657-8746	3/4	15.9	24.6	3987	275	15,950	1100	4.00	h			
G2 2-WIRE BRAID HOSE—SAE 100R2 Meets Flame Resistance Acceptance Designation "MSHA 2G"	3 G2	4657-8950	3/16	4.8	13.2	6,025	414	24,000	1655	3.50	a	-40°C to +100°C	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).	High-pressure hydraulic oil lines. Meets or exceeds the requirements of SAE 100R2AT and SAE 100R2 Type Sand performance requirements of EN 853 2SN.
	4 G2	4657-8952	1/4	6.4	14.7	5,800	400	23,200	1600	4.00	a			
	6 G2	4657-8930	3/8	9.5	18.5	4,800	331	19,200	1324	5.00	a			
	8 G2	4657-8931	1/2	12.7	21.8	4,000	276	16,000	1104	7.00	b			
	10 G2	4657-8932	5/8	15.9	24.9	3,625	250	14,500	1000	8.00	b			
	12 G2	4657-8933	3/4	19.1	28.7	3,100	214	12,400	856	9.50	b			
	16 G2	4657-8934	1	25.4	37.5	2,400	166	9,600	664	12.00	c			
	20 G2	4657-8900	1-1/4	31.8	47.5	1,825	126	7,500	524	16.50	c			
	24 G2	4657-8994	1-1/2	38.1	54.9	1,300	90	5,000	360	20.00	c			
	32 G2	4657-8995	2	50.8	65.0	1,175	81	4,500	324	25.00	c			
G2H HIGH-TEMP HIGH PRESSURE 2-Wire Braid Hose—SAE 100R2	20 G2H	4657-4911	1-1/4	31.8	47.5	1,850	126	8,600	504	16.50	i	-40°C to +135°C #	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).	High-pressure hydraulic oil lines. Meets or exceeds the requirements of SAE 100R2AT and performance requirements of EN 853.
	24 G2H	4657-4842	1-1/2	38.1	54.6	1,300	90	5,000	362	20.00	i			
	32 G2H	4657-4843	2	50.8	67.3	1,175	81	4,500	324	25.00	i			
J2AT 2-WIRE BRAID JACK HOSE Meets Flame Resistance Acceptance Designation "MSHA 2G" Meets UJ 100 Jack Hose spec.	4 J2AT	4657-8737	1/4	6.3	14.7	10,000	690	20,000	1380	4.00	a	-40°C to +100°C	Tube: Black, oil resistant, synthetic rubber (Nitrile—Type C). Reinforcement: Two braids of high tensile steel wire. Cover: Black, oil and abrasion resistant synthetic rubber (Modified Nitrile—Type C2).	Hydraulic jack applications. Meets Material Handling Institute specification UJ 100 for hydraulic hose and assemblies used with jacking systems.
	6 J2AT	4657-8751	3/8	9.5	18.8	10,000	690	20,000	1380	5.00	a			
MINING HOSE Meets BCS 174 - 1992 performance Meets flame resistance acceptance designation "MSHA 2G"	DN 6	4654-7961	1/4	6.3	17.0	6,525	450	26,100	1,800	4.00	a	-40°C to +100°C	Tube: Black, oil resistant synthetic rubber (Nitrile). Reinforcement: Two braids, high tensile steel wire. Cover: Black, oil resistant, abrasion resistant synthetic rubber (Modified Nitrile).	High pressure hydraulic lines in longwall mining equipment and roof support system; petroleum based or water emulsion fluids
	DN10	4654-7962	3/8	9.5	21.3	5,500	380	22,000	1,520	5.10	a			
	DN12	4654-7963	1/2											