

Section 1 Hydraulic Hose



EFG6K Spiral Wire Hose - SAE 100R15

6,000psi
420 Bar

Meets Flame Resistance Acceptance Designation MSHA 2G

Recommended For: Extremely high pressure, high impulse applications such as hydrostatic transmissions.

Standards: EFG6K is designed to meet all requirements of SAE 100R15 specifications and performance requirements of EN 856 4SP (-6, -8, -10 and -12), EN 856 4SH (-12, -16, -20 and -24) and ISO 3862 Type R15 (-6, -8, -10, -12, -16, -24). Compatible with biodegradable hydraulic fluids like polyolester, polyglycol and vegetable oil as well as standard petroleum-based fluids.



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

See *Characteristics Of Hose Stock Types*.

Reinforcement: Four (six for -20, -24 & -32) alternating layers of spiraled, high-tensile steel wire.

Cover: Black, oil resistant, synthetic rubber (Polychloroprene - Type A).

Colour-coded layline. Also available with unique abrasion-resistant MegaTuff® cover.

See *Characteristics Of Hose Stock Types*.

Temperature Range: -40°F to +250°F (-40°C to +121°C).

For water emulsions see *Additional Temperature Limits For Gates Hydraulic Hose*.

Couplings Recommendation: (see *Southcott Crimp Data Book/Charts*)

Gates GlobalSpiral™ (GS) Couplings (-6 through -20)

Gates GlobalSpiral™ MAX (GSM) Pressure Couplings (-24 & -32)

Refer www.southcott.com.au for current crimp specifications

Hose Specifications

Part Number		⊖			⊕		⊙		⊙		⊙		Length (m)	
Standard	MegaTuff	Dash	Inch	DN	Inch	mm	PSI	Bar	PSI	Bar	Inch	mm	Carton	Bulk
6EFG6K	-MTF	6	3/8	10	0.80	20.3	6,000	420	24,000	1,680	2.5	64	30	-
8EFG6K	-MTF	8	1/2	12	0.95	24.1	6,000	420	24,000	1,680	3.5	89	30	-
10EFG6K	-MTF	10	5/8	16	1.09	27.7	6,000	420	24,000	1,680	4.0	102	30	61
12EFG6K	-MTF	12	3/4	19	1.24	31.5	6,000	420	24,000	1,680	4.7	119	30	61
16EFG6K	-MTF	16	1	25	1.53	38.9	6,000	420	24,000	1,680	6.0	152	30	61
20EFG6K	-MTF	20	1-1/4	31	1.97	50.0	6,000	420	24,000	1,680	8.2	208	15	61
24EFG6K	-MTF	24	1-1/2	38	2.26	57.4	6,000	420	24,000	1,680	10.0	254	15	61
32EFG6K	-MTF	32	2	51	2.80	71.1	6,000	420	24,000	1,680	25.0	635	15	61

Additional Product

Hose Type	Couplings and Ferrules			Associated Protective Product						
	Standard MegaTuff	Gates		Wire Spring Guard	Spiral Guard	Heat Guard	Tex-Sleeve	Shrink Band Clamps	Life Guard	Life Guard Collar
1 Piece Series		2 Piece Series	Coupling							
6EFG6K	-	6GS	6GS1F-4	HSG-05	SGX20	HTG-18	TEXS27	SB29	-	-
8EFG6K	-	8GS	8GS1F-4	HSG-07	SGX25	HTG-20	TEXS31	SB29	-	-
10EFG6K	-	10GS	10GS1F-4	HSG-09	SGX25	HTG-22	TEXS36	SB34	-	-
12EFG6K	-	12GS	12GS1F-4	HSG-10	SGX32	HTG-24	TEXS40	SB41	-	-
16EFG6K	-	16GS	16GS1F-4	HSG-12	SGX40	HTG-30	TEXS47	SB48	-	-
20EFG6K	-	20GS	20GS1F-6	HSG-14	SGX50	HTG-38	TEXS60	SB60	-	-
24EFG6K	24GSM			HSG-15	SGX63	HTG-44	TEXS73	SB67	-	-
32EFG6K	32GSM			HSG-16	SGX75	HTG-64	TEXS93	SB79	-	-