

Extremely High Pressure

EFG6K Spiral Wire Hose—SAE 100R15



(Meets Flame Resistance Acceptance Designation "MSHA 2G")
For Biodegradable Hydraulic Fluids

Recommended For: 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 polyolester, polyglycol and vegetable oil as well as standard petroleum-based fluids. Available in 121' through 200' continuous lengths.

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

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. Available with unique abrasion-resistant MegaTuff® cover. See Hose Stock Characteristics.

Temperature Range: -40°F to +250°F (-40°C to +121°C). For water emulsions see Temperature Limits Table.

Coupling Recommendation (See Crimp Data Manual 35019):
GlobalSpiral™ Couplings



Description	Product No.	⊘	∅	⊘	⊘	⊘	Packaging	Standard Pack
6EFG6KXCTN	4651-1396	3/8	0.80	6,000	24,000	5.0	A	100
8EFG6KXCTN	4651-1371	1/2	0.95	6,000	24,000	7.0	A	100
8EFG6KXLL	4651-1613	1/2	0.95	6,000	24,000	7.0	O	100
10EFG6KXCTN	4651-1368	5/8	1.09	6,000	24,000	8.0	A	100
10EFG6KXLL	4651-1397	5/8	1.09	6,000	24,000	8.0	O	200
12EFG6KXCTN	4651-1288	3/4	1.24	6,000	24,000	9.5	A	100
12EFG6KXLL	4651-1398	3/4	1.24	6,000	24,000	9.5	O	200
16EFG6KXCTN	4651-1289	1	1.53	6,000	24,000	12.0	A	100
16EFG6KXLL	4651-1399	1	1.53	6,000	24,000	12.0	O	200
20EFG6KXCTN	4651-1290	1 1/4	1.97	6,000	24,000	16.5	B	50
20EFG6KXLL	4651-1400	1 1/4	1.97	6,000	24,000	16.5	O	200

Extremely High Pressure

EFG6K Spiral Wire Hose— MegaTuff® Cover

(Meets Flame Resistance Acceptance Designation "MSHA 2G")
For Biodegradable Hydraulic Fluids

MegaTuff® hose lasts up to 300 times longer than standard hose during hose-to-hose and hose-to-metal abrasion tests per ISO 6945.

Recommended For: 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 polyolester, polyglycol and vegetable oil as well as standard petroleum-based fluids. Available in 121' through 200' continuous lengths.

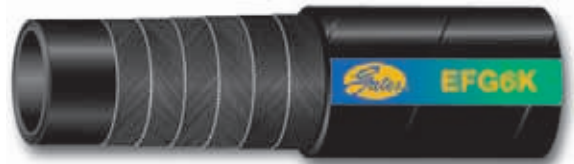
Tube: Black, oil resistant, synthetic rubber (Nitrile - Type C). See Hose Stock Characteristics.

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. Available with unique abrasion-resistant MegaTuff® cover. See Hose Stock Characteristics.

Temperature Range: -40°F to +250°F (-40°C to +121°C). For water emulsions see Temperature Limits Table.

Coupling Recommendation (See Crimp Data Manual 35019):
GlobalSpiral™ Couplings



Description	Product No.	⊘	∅	⊘	⊘	⊘	Packaging	Standard Pack
6EFG6K-MTFXCTN	4651-1435	3/8	0.80	6,000	24,000	5.0	A	100
8EFG6K-MTFXCTN	4651-1609	1/2	0.95	6,000	24,000	7.0	A	100
10EFG6K-MTFXCTN	4651-1416	5/8	1.09	6,000	24,000	8.0	A	100
12EFG6K-MTFXCTN	4651-1606	3/4	1.24	6,000	24,000	9.5	A	100
16EFG6K-MTFXCTN	4651-1604	1	1.53	6,000	24,000	12.0	B	100
20EFG6K-MTFXCTN	4651-1601	1 1/4	1.97	6,000	24,000	16.5	B	50



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Global G6K Spiral Wire Hose— SAE 100R15

Extremely High Pressure

(Meets Flame Resistance Acceptance Designation “MSHA 2G”)

Recommended For: Extremely high-pressure, high-impulse applications such as hydrostatic transmissions. G6K is designed to meet all requirements of SAE 100R15 specifications and performance requirements of EN 856 4SH (-24).

Revolutionary Design: Makes designing and plumbing of extremely high-pressure hydraulic systems easy and efficient. 1 1/2” sizes available in 121’ through 200’ continuous lengths.

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

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

Cover: Black, oil resistant, synthetic rubber (Neoprene - Type A). Dual gold stripe layline. Available with unique abrasion-resistant MegaTuff® cover. See Hose Stock Characteristics.

Temperature Range: -40°F to +250°F (-40°C to +121°C). For water emulsions see Temperature Limits Table.

Coupling Recommendation (See Crimp Data Manual 35019):

Permanent PCM Couplings (-24)

Coupling Recommendation Note: Skiving Required for PCM Couplings.



Description	Product No.	⊖	⊕	⊙	⊙	⊙	Packaging	Standard Pack
24G6KXCTN*	4651-0673	1 1/2	2.26	6,000	24,000	20.0	B	50
24G6KXLL	4651-1366	1 1/2	2.26	6,000	24,000	20.0	0	200

* 24G6K requires a special 24PCM-G6K ferrule.

EFG5K Spiral Wire Hose—SAE 100R13

Extremely High Pressure

(Meets Flame Resistance Acceptance Designation “MSHA 2G”)
For Biodegradable Hydraulic Fluids

Recommended For: Extremely high-pressure hydraulic applications. EFG5K is designed to meet all requirements of SAE 100R13 specifications and performance requirements of EN 856 4SH (-16 and -20), EN 856 4SP (-8, -10, and -12) and EN 856 R13. Compatible with biodegradable hydraulic fluids like polyolester, polyglycol and vegetable oil as well as standard petroleum-based fluids. Available in 121’ through 200’ continuous lengths.

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

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

Cover: Black, oil resistant, synthetic rubber (Neoprene - Type A). Blue stripe with red print layline. Available with unique abrasion-resistant MegaTuff® cover. See Hose Stock Characteristics.

Temperature Range: -40°F to +250°F (-40°C to +121°C). For water emulsions see Temperature Limits Table.

Coupling Recommendation (See Crimp Data Manual 35019):

GlobalSpiral™ Couplings



Description	Product No.	⊖	⊕	⊙	⊙	⊙	Packaging	Standard Pack
6EFG5KXCTN	4651-1424	3/8	0.80	5,000	20,000	5.0	A	100
8EFG5KXCTN	4651-1372	1/2	0.95	5,000	20,000	7.0	A	100
8EFG5KXLL	4651-1612	1/2	0.95	5,000	20,000	7.0	0	200
10EFG5KXCTN	4651-1340	5/8	1.09	5,000	20,000	8.0	A	100
10EFG5KXLL	4651-1390	5/8	1.09	5,000	20,000	8.0	0	200
12EFG5KXCTN	4651-1285	3/4	1.24	5,000	20,000	9.5	A	100
12EFG5KXLL	4651-1391	3/4	1.26	5,000	20,000	9.5	0	200
16EFG5KXCTN	4651-1286	1	1.53	5,000	20,000	12.0	A	100
16EFG5KXLL	4651-1392	1	1.53	5,000	20,000	12.0	0	200
20EFG5KXCTN	4651-1287	1 1/4	1.97	5,000	20,000	16.5	B	50
20EFG5KXLL	4651-1393	1 1/4	1.97	5,000	20,000	16.5	0	200
24EFG5KXCTN	4651-1455	1 1/2	2.26	5,000	20,000	20.0	B	50
24EFG5KXLL	4651-2208	1 1/2	2.26	5,000	20,000	20.0	0	200
32EFG5KXCTN	4651-1456	2	2.80	5,000	20,000	25.0	B	50
32EFG5KXLL	4651-0059	2	2.80	5,000	20,000	25.0	0	200





(Meets Flame Resistance Acceptance Designation "MSHA 2G")
For Biodegradable Hydraulic Fluids

MegaTuff® hose lasts up to 300 times longer than standard hose during hose-to-hose and hose-to-metal abrasion tests per ISO 6945.

Recommended For: Extremely high-pressure hydraulic applications. EFG5K is designed to meet all requirements of SAE 100R13 specifications and performance requirements of EN 856 4SH (-16 and -20), EN 856 4SP (-8, -10, and -12) and EN 856 R13. Compatible with biodegradable hydraulic fluids like polyolester, polyglycol and vegetable oil as well as standard petroleum-based fluids. Available in 121' through 200' continuous lengths.

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

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

Cover: Black, oil resistant, synthetic rubber (Neoprene - Type A). Blue stripe with red print layline. Available with unique abrasion-resistant MegaTuff® cover. See Hose Stock Characteristics.

Temperature Range: -40°F to +250°F (-40°C to +121°C). For water emulsions see Temperature Limits Table.

Coupling Recommendation (See Crimp Data Manual 35019):
GlobalSpiral™ Couplings



Description	Product No.	⌀	⌀	⌀	⌀	⌀	Packaging	Standard Pack
6EFG5K-MTFXCTN	4651-1436	3/8	0.80	5,000	20,000	5.0	A	100
8EFG5K-MTFXCTN	4651-1608	1/2	0.94	5,000	20,000	7.0	A	100
10EFG5K-MTFXCTN	4651-1410	5/8	1.09	5,000	20,000	8.0	A	100
12EFG5K-MTFXCTN	4651-1605	3/4	1.24	5,000	20,000	9.5	A	100
16EFG5K-MTFXCTN	4651-1603	1	1.53	5,000	20,000	12.0	B	100
16EFG5K-MTFXLL	4651-4001	1	1.53	5,000	20,000	12.0	O	200
20EFG5K-MTFXCTN	4651-1600	1 1/4	1.97	5,000	20,000	16.5	B	50
20EFG5K-MTFXLL	4651-4002	1 1/4	1.97	5,000	20,000	16.5	O	200
24EFG5K-MTFXCTN	4651-2203	1 1/2	2.26	5,000	20,000	20.0	B	50
24EFG5K-MTFXLL	4651-2204	1 1/2	2.26	5,000	20,000	20.0	O	200
32EFG5K-MTFXCTN	4651-1522	2	2.80	5,000	20,000	25.0	B	50
32EFG5K-MTFXLL	4651-2211	2	2.80	5,000	20,000	25.0	O	200

(Meets Flame Resistance Acceptance Designation "MSHA 2G")
For Biodegradable Hydraulic Fluids

Recommended For: 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 polyolester, polyglycol and vegetable oil as well as standard petroleum-based fluids. Available in 121' through 200' continuous lengths.

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

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. Available with unique abrasion-resistant MegaTuff® cover. See Hose Stock Characteristics.

Temperature Range: -40°F to +250°F (-40°C to +121°C). For water emulsions see Temperature Limits Table.

Coupling Recommendation (See Crimp Data Manual 35019):
GlobalSpiral™ Couplings



Description	Product No.	⌀	⌀	⌀	⌀	⌀	Packaging	Standard Pack
6EFG4KXCTN	4651-1338	3/8	0.80	4,000	16,000	2.5	A	100
8EFG4KXCTN	4651-1339	1/2	0.94	4,000	16,000	3.5	A	100
8EFG4KXLL	4651-1611	1/2	0.94	4,000	16,000	3.5	O	200
10EFG4KXCTN	4651-1367	5/8	1.09	4,000	16,000	4.0	A	100
10EFG4KXLL	4651-1614	5/8	1.09	4,000	16,000	4.0	O	200
12EFG4KXCTN	4651-1282	3/4	1.21	4,000	16,000	4.8	A	100
12EFG4KXLL	4651-1385	3/4	1.21	4,000	16,000	4.8	O	200
16EFG4KX100FT	4651-1460	1	1.50	4,000	16,000	6.0	T	100
16EFG4KXCTN	4651-1283	1	1.50	4,000	16,000	6.0	A	100
16EFG4KXLL	4651-1386	1	1.50	4,000	16,000	6.0	O	200
20EFG4KXCTN	4651-1284	1 1/4	1.85	4,000	16,000	8.3	B	50
20EFG4KXLL	4651-1387	1 1/4	1.85	4,000	16,000	8.3	O	200





EFG4K Spiral Wire Hose— MegaTuff® Cover

Extremely High Pressure

(Meets Flame Resistance Acceptance Designation “MSHA 2G”)
For Biodegradable Hydraulic Fluids

MegaTuff® hose lasts up to 300 times longer than standard hose during hose-to-hose and hose-to-metal abrasion tests per ISO 6945.

Recommended For: 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 polyolester, polyglycol and vegetable oil as well as standard petroleum-based fluids. Available in 121' through 200' continuous lengths.

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

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. Available with unique abrasion-resistant MegaTuff® cover. See Hose Stock Characteristics.

Temperature Range: -40°F to +250°F (-40°C to +121°C). For water emulsions see Temperature Limits Table.

Coupling Recommendation (See Crimp Data Manual 35019):
GlobalSpiral™ Couplings



Description	Product No.	⌀	⌀	⌀	⌀	R ₂	Packaging	Standard Pack
6EFG4K-MTFXCTN	4651-1610	3/8	0.80	4,000	16,000	2.5	A	100
8EFG4K-MTFXCTN	4651-1607	1/2	0.94	4,000	16,000	3.5	A	100
10EFG4K-MTFXCTN	4651-1404	5/8	1.09	4,000	16,000	4.0	A	100
12EFG4K-MTFXCTN	4651-1405	3/4	1.21	4,000	16,000	4.8	A	100
12EFG4K-MTFXLL	4651-1388	3/4	1.21	4,000	16,000	4.8	O	200
16EFG4K-MTFXCTN	4651-1406	1	1.50	4,000	16,000	6.0	A	100
16EFG4K-MTFXLL	4651-1389	1	1.50	4,000	16,000	6.0	O	200
20EFG4K-MTFXCTN	4651-1602	1 1/4	1.85	4,000	16,000	8.3	O	50
20EFG4K-MTFXLL	4651-1638	1 1/4	1.85	4,000	16,000	8.3	O	200

EFG3K Spiral Wire Hose—SAE 100R12

Extremely High Pressure

(Meets Flame Resistance Acceptance Designation “MSHA 2G”)
For Biodegradable Hydraulic Fluids

Recommended For: Extremely high-pressure, high-impulse applications. Exceeds all performance requirements for SAE 100R12 and EN 856 R12 and performance requirements of EN 856 4SP. Compatible with biodegradable hydraulic fluids like polyolester, polyglycol and vegetable oil as well as standard petroleum-based fluids. Available in 121' through 200' continuous lengths.

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

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. Available with unique abrasion-resistant MegaTuff® cover. See Hose Stock Characteristics.

Temperature Range: -40°F to +250°F (-40°C to +121°C). For water emulsions see Temperature Limits Table.

Coupling Recommendation (See Crimp Data Manual 35019):
GlobalSpiral™ Couplings



Description	Product No.	⌀	⌀	⌀	⌀	R ₂	Packaging	Standard Pack
20EFG3KXCTN	4651-1381	1 1/4	1.85	3,000	12,000	8.3	A	100
20EFG3KXLL	4651-1384	1 1/4	1.85	3,000	12,000	8.3	O	200
24EFG3KXCTN	4651-1451	1 1/2	2.11	3,000	12,000	20.0	B	50
24EFG3KXLL	4651-2207	1 1/2	2.11	3,000	12,000	20.0	O	200
32EFG3K X 50INC	4651-2209	2	2.63	3,000	12,000	25.0	S	200
32EFG3KXCTN	4651-1452	2	2.63	3,000	12,000	25.0	B	50
32EFG3KXLL	4651-2210	2	2.63	3,000	12,000	25.0	O	200



Extremely High Pressure

EFG3K Spiral Wire Hose— MegaTuff® Cover



(Meets Flame Resistance Acceptance Designation “MSHA 2G”)
For Biodegradable Hydraulic Fluids

MegaTuff® hose lasts up to 300 times longer than standard hose during hose-to-hose and hose-to-metal abrasion tests per ISO 6945.

Recommended For: Extremely high-pressure, high-impulse applications. Exceeds all performance requirements for SAE 100R12 and EN 856 R12 and performance requirements of EN 856 4SP. Compatible with biodegradable hydraulic fluids like polyolester, polyglycol and vegetable oil as well as standard petroleum-based fluids. Available in 121' through 200' continuous lengths.

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

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. Available with unique abrasion-resistant MegaTuff® cover. See Hose Stock Characteristics.

Temperature Range: -40°F to +250°F (-40°C to +121°C). For water emulsions see Temperature Limits Table.

Coupling Recommendation (See Crimp Data Manual 35019):
GlobalSpiral™ Couplings



Description	Product No.	⌀	⌀	⌚	⌚	⌚	Packaging	Standard Pack
20EFG3K-MTFXCTN	4651-1425	1 1/4	2.11	3,000	12,000	8.3	0	100
20EFG3K-MTFXLL	4651-1427	1 1/4	2.11	3,000	12,000	8.3	0	200
24EFG3K-MTFXCTN	4651-2201	1 1/2	2.11	3,000	12,000	20.0	B	50
24EFG3K-MTFXLL	4651-2202	1 1/2	2.11	3,000	12,000	20.0	0	200
32EFG3K-MTFXCTN	4651-2205	1 1/2	2.63	3,000	12,000	25.0	B	50
32EFG3K-MTFXLL	4651-2206	1 1/2	2.63	3,000	12,000	25.0	0	200

High Pressure

Slim Hole Rotary Drill Hose

Gates Proprietary Hose.
Revolutionary design tailored to markets served.
Superior to SAE Specifications.

Recommended For: Mud drilling applications only. Not for air or gas drilling. Available in 121' and 200' continuous lengths.

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

Reinforcement: Four layers of alternated, spiraled, high-tensile steel wire over a layer of fabric.

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

Temperature Range: -40°F to +180°F (-40°C to +82°C). For water emulsions see Temperature Limits Table.

Coupling Recommendation (See Crimp Data Manual 35019):
Permanent GSP Couplings



Description	Product No.	⌀	⌀	⌚	⌚	⌚	Packaging	Standard Pack
32SHRXLL	4651-0778	2	2.63	3,000	10,000	25.0	H	200



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