

HOSE
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM / PCS FERRULES
MEGACRIMP COUPLINGS
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POWER CRIMP COUPLINGS
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POLARSEAL COUPLINGS
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FIELD ATTACHABLE C5 & C5E COUPLINGS
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Global M4K Mega4000™ Hose - SAE 100R19

High Pressure

Meets Flame Resistance Acceptance Designation "MSHA 2G", and ISO11237 R19

**Recommended For:** High-pressure hydraulic applications, Exceeds ISO 18752 Grade B, SAE 100R19 and ISO11237 R19. Allows for tighter minimum bend radius, increased working pressure and improved impulse cycles than industry standards. Provides greater performance, flexibility, easier routing and plumbing of mobile and stationary hydraulic platforms.

**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. See Hose Stock Characteristics.

**Temperature Range:** -40°F to +212°F (-40°C to +100°C). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See [gates.com/ecrimp](https://www.gates.com/ecrimp) or Crimp Data Manual 35019)**






GlobalSpiral™ Couplings (-6 through -16) (Section E)  
MegaCrimp® Couplings (-4 through -12) (Section G)  
Stainless Steel "B" Couplings (-4 through -8) (Section H)  
Stainless Steel "S" Couplings (-10 and -16) (Section H)



Description	Product No.						Standard Pack	Weight (Lbs.)
4M4K X50FT	4657-1238	1/4	.55	4000	16000	1.5	1	10.73
4M4KXBALE	4657-5779	1/4	.55	4000	16000	1.5	5600	.22
4M4KXREEL	4657-1467	1/4	.55	4000	16000	1.5	440	.22
5M4KXREEL	4657-8015	5/16	.61	4000	16000	1.8	350	.25
6M4K X50FT	4657-4867	3/8	.70	4000	16000	2.0	1	15.59
6M4KXBALE	4657-5775	3/8	.70	4000	16000	2.0	3800	.31
6M4KXREEL	4657-1458	3/8	.70	4000	16000	2.0	330	.31
8M4K X50FT	4657-4868	1/2	.82	4000	16000	2.8	1	23.63
8M4KXBALE	4657-5776	1/2	.82	4000	16000	2.8	2200	.42
8M4KXREEL	4657-1459	1/2	.82	4000	16000	2.8	220	.42
10M4K X50FT	4657-4869	5/8	.99	4000	16000	3.0	1	26.70
10M4KXBALE	4657-5777	5/8	.99	4000	16000	3.0	1750	.53
10M4KXREEL	4657-1460	5/8	.99	4000	16000	3.0	220	.53
12M4K X50FT	4657-4870	3/4	1.17	4000	16000	3.8	1	33.80

## Global M4K Mega4000™ Hose - SAE 100R19 High Pressure

### Continued

Description	Product No.						Standard Pack	Weight (Lbs.)
12M4KXBALE	4657-5778	3/4	1.17	4000	16000	3.8	1250	.68
12M4KXREEL	4657-1461	3/4	1.17	4000	16000	3.8	220	.67
16M4KXREEL	4657-4051	1	1.52	4000	16000	4.5	165	1.21

## Global M4K Mega4000™ Hose - SAE 100R19 - MegaTuff® Cover High Pressure

Meets Flame Resistance Acceptance Designation "MSHA 2G", and ISO11237 R19  
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:** High-pressure hydraulic applications. Exceeds ISO 18752 Grade B, SAE 100R19 and ISO11237 R19. Allows for tighter minimum bend radius, increased working pressure and improved impulse cycles than industry standards. Provides greater performance, flexibility, easier routing and plumbing of mobile and stationary hydraulic platforms.

**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 MegaTuff® cover with color coded layline. Also available in Standard or XtraTuff™ cover. See Hose Stock Characteristics.

**Temperature Range:** -40°F to +212°F (-40°C to +100°C). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See gates.com/ecrimp or Crimp Data Manual 35019)**






GlobalSpiral™ Couplings (-6 through -16) (Section E)

MegaCrimp® Couplings (-4 through -12) (Section G)

Stainless Steel "B" Couplings (-4 through -8) (Section H)

Stainless Steel "S" Couplings (-10 and -16) (Section H)



Description	Product No.						Standard Pack	Weight (Lbs.)
4M4K-MTF X50FT	4657-1239	1/4	.55	4000	16000	1.5	1	10.74
4M4K-MTFXREEL	4657-1477	1/4	.55	4000	16000	1.5	350	.22
5M4K-MTFXREEL	4657-8017	5/16	.61	4000	16000	1.8	350	.23
6M4K-MTF X50FT	4657-4020	3/8	.70	4000	16000	2.0	1	15.40
6M4K-MTFXREEL	4657-1479	3/8	.70	4000	16000	2.0	330	.31
8M4K-MTF X50FT	4657-4021	1/2	.82	4000	16000	2.8	1	23.67
8M4K-MTFXBALE	4657-5016	1/2	.82	4000	16000	2.8	3200	.44
8M4K-MTFXREEL	4657-1480	1/2	.82	4000	16000	2.8	220	.44
10M4K-MTF X50FT	4657-4022	5/8	.99	4000	16000	3.0	1	26.83
10M4K-MTFXREEL	4657-1481	5/8	.99	4000	16000	3.0	220	.54
12M4K-MTF X50FT	4657-4024	3/4	1.17	4000	16000	3.8	1	33.90
12M4K-MTFXREEL	4657-1482	3/4	1.17	4000	16000	3.8	190	.68
16M4K-MTFXREEL	4657-4053	1	1.52	4000	16000	4.5	165	1.21

### HOSE

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COUPLINGS

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FIELD  
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BRAKE  
COUPLINGS

ADAPTERS

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DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

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## Global M4K Mega4000™ Hose - SAE 100R19 - XtraTuff™ Cover High Pressure

### HOSE

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COUPLINGS

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FIELD  
ATTACHABLE C5  
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COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

**Meets Flame Resistance Acceptance Designation "MSHA 2G", and ISO11237 R19**  
**XtraTuff™ hose lasts up to 25 times longer than standard hose during hose-to-hose and hose-to-metal abrasion tests per ISO 6945.**

**Recommended For:** High-pressure hydraulic applications, Exceeds ISO 18752 Grade B, SAE 100R19 and ISO11237 R19. Allows for tighter minimum bend radius, increased working pressure and improved impulse cycles than industry standards. Provides greater performance, flexibility, easier routing and plumbing of mobile and stationary hydraulic platforms.

**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 in Standard or MegaTuff® cover. See Hose Stock Characteristics.

**Temperature Range:** -40°F to +212°F (-40°C to +100°C). For water emulsions see Temperature Limits Table.

**Coupling Recommendation (See gates.com/ecrimp or Crimp Data Manual 35019)**

GlobalSpiral™ Couplings (-6 through -16) (Section E)

MegaCrimp® Couplings (-4 through -12) (Section G)

Stainless Steel "B" Couplings (-4 through -8) (Section H)

Stainless Steel "S" Couplings (-10 and -16) (Section H)



Description	Product No.						Standard Pack	Weight (Lbs.)
4M4K-XTF X50FT	4657-2616	1/4	.55	4000	16000	1.5	1	10.75
4M4K-XTFXREEL	4657-2281	1/4	.55	4000	16000	1.5	440	.22
5M4K-XTFXREEL	4657-8016	5/16	.61	4000	16000	1.8	350	.25
6M4K-XTF X50FT	4657-2615	3/8	.70	4000	16000	2.0	1	15.39
6M4K-XTFXREEL	4657-2283	3/8	.70	4000	16000	2.0	330	.31
8M4K-XTF X50FT	4657-2614	1/2	.82	4000	16000	2.8	1	18.38
8M4K-XTFXREEL	4657-2284	1/2	.82	4000	16000	2.8	220	.37
10M4K-XTFXREEL	4657-2285	5/8	.99	4000	16000	3.0	220	.54
12M4K-XTFXREEL	4657-2286	3/4	1.17	4000	16000	3.8	220	.68
16M4K-XTFXREEL	4657-4052	1	1.52	4000	16000	4.5	165	1.18

## M4KH Wire Braid Hose - High-Temp - SAE 100R19 High Pressure

**Meets Flame Resistance Acceptance Designation "MSHA 2G", and ISO11237 R19**

**Recommended For:** High-pressure hydraulic applications at elevated temperatures, Exceeds ISO 18752 Grade C, SAE 100R19 and ISO11237 R19. Allows for tighter minimum bend radius, increased working pressure and improved impulse cycles than industry standards. Provides greater performance, flexibility, easier routing and plumbing of mobile and stationary hydraulic platforms.

**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 (Polychloroprene - Type A), with color coded layline. Also available in MegaTuff® cover.

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

**Coupling Recommendation (See gates.com/ecrimp or Crimp Data Manual 35019)**

GlobalSpiral™ Couplings (-6 through -12) (Section E)






MegaCrimp® Couplings (Section G)



Description	Product No.						Standard Pack	Weight (Lbs.)
4M4KH X50FT	4657-4098	1/4	.55	4000	16000	2.0	1	10.80
4M4KHREEL	4657-2381	1/4	.55	4000	16000	2.0	440	.22
6M4KH X50FT	4657-4099	3/8	.70	4000	16000	2.5	1	15.40
6M4KHREEL	4657-2383	3/8	.70	4000	16000	2.5	330	.31
8M4KH X50FT	4657-4100	1/2	.82	4000	16000	3.5	1	18.40
8M4KHREEL	4657-2384	1/2	.82	4000	16000	3.5	220	.38
10M4KH X50FT	4657-4101	5/8	.99	4000	16000	4.0	1	27.00

## M4KH Wire Braid Hose - High-Temp - SAE 100R19 High Pressure

### Continued

Description	Product No.						Standard Pack	Weight (Lbs.)
10M4KHREEL	4657-2385	5/8	.99	4000	16000	4.0	220	.55
12M4KH X50FT	4657-2619	3/4	1.17	4000	16000	4.7	1	36.16
12M4KHREEL	4657-2386	3/4	1.17	4000	16000	4.7	220	.73

## M4KH Wire Braid Hose - High-Temp - SAE 100R19 - MegaTuff® Cover High Pressure

Meets Flame Resistance Acceptance Designation "MSHA 2G", and ISO11237 R19  
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:** High-pressure hydraulic applications at elevated temperatures. Exceeds ISO 18752 Grade C, SAE 100R19 and ISO11237 R19. Allows for tighter minimum bend radius, increased working pressure and improved impulse cycles than industry standards. Provides greater performance, flexibility, easier routing and plumbing of mobile and stationary hydraulic platforms.

**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 MegaTuff® cover with color coded layline. Also available in Standard cover.






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

**Coupling Recommendation (See [gates.com/ecrimp](http://gates.com/ecrimp) or Crimp Data Manual 35019)**

GlobalSpiral™ Couplings (-6 through -12) (Section E)

MegaCrimp® Couplings (Section G)



Description	Product No.						Standard Pack	Weight (Lbs.)
4M4KH-MTF X50FT	4657-4093	1/4	.55	4000	16000	2.0	1	11.00
4M4KH-MTFXREEL	4657-2157	1/4	.55	4000	16000	2.0	440	.22
6M4KH-MTF X50FT	4657-4094	3/8	.70	4000	16000	2.5	1	14.60
6M4KH-MTFXREEL	4657-2159	3/8	.70	4000	16000	2.5	330	.31
8M4KH-MTF X50FT	4657-4095	1/2	.82	4000	16000	3.5	1	18.00
8M4KH-MTFXREEL	4657-2160	1/2	.82	4000	16000	3.5	220	.37
10M4KH-MTF X50FT	4657-4096	5/8	.99	4000	16000	4.0	1	30.40
10M4KH-MTFXREEL	4657-2161	5/8	.99	4000	16000	4.0	220	.54
12M4KH-MTF X50FT	4657-4097	3/4	1.17	4000	16000	4.7	1	35.00
12M4KH-MTFXREEL	4657-2396	3/4	1.17	4000	16000	4.7	190	.75

### HOSE

HOSE/CPLG.  
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STAINLESS  
STEEL

POWER CRIMP  
COUPLINGS

LOC, GL AND GLP  
COUPLINGS

POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
& C5E  
COUPLINGS

SURELOK AIR  
BRAKE  
COUPLINGS

ADAPTERS

QUICK  
DISCONNECT  
COUPLERS

LIVE SWIVEL

BALL VALVES

ACCESSORIES

EQUIPMENT AND  
PARTS

## Global M4KL Mega4000™ PolarFlex® Hose - SAE 100R19 High Pressure

### HOSE

Meets Flame Resistance Acceptance Designation "MSHA 2G"

**Recommended For:** High-pressure hydraulic applications in low temperature environments. Exceeds SAE 100R19 and ISO11237 R19. Allows for tighter minimum bend radius, increased working pressure and improved impulse cycles than industry standards. Provides greater performance, flexibility, easier routing and plumbing of mobile and stationary hydraulic platforms.

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

**Reinforcement:** Two braids of high-tensile steel wire.

**Cover:** Black, oil, abrasion and weather resistant synthetic rubber (Polychloroprene - Type A) with color coded layline.

**Temperature Range:** -70°F to +212°F (-57°C to +100°C).






**Coupling Recommendation (See [gates.com/ecrimp](http://gates.com/ecrimp) or Crimp Data Manual 35019)**

GlobalSpiral™ Couplings (-16) (Section E)

MegaCrimp® Couplings (Section G)

Stainless Steel "S" and "B" Couplings (Section H)



Description	Product No.						Standard Pack	Weight (Lbs.)
4M4KLXREEL	4657-4470	1/4	.54	4000	16000	2.0	440	.22
5M4KLXREEL	4657-4471	5/16	.60	4000	16000	2.3	350	.23
6M4KLXREEL	4657-4472	3/8	.69	4000	16000	2.5	330	.29
8M4KLXREEL	4657-4473	1/2	.82	4000	16000	3.5	220	.36
10M4KLXREEL	4657-4474	5/8	.98	4000	16000	4.0	220	.49
12M4KLXREEL	4657-4475	3/4	1.16	4000	16000	6.0	220	.70
16M4KLXREEL	4657-4476	1	1.52	4000	16000	6.0	165	1.20

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POLARSEAL  
COUPLINGS

POLARSEAL II  
COUPLINGS

C14 COUPLINGS

PCTS  
THERMOPLASTIC  
COUPLINGS

FIELD  
ATTACHABLE G1  
& G2 COUPLINGS

FIELD  
ATTACHABLE C5  
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COUPLINGS

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