HOSE HOSE/CPLG. SELECTION **G8K COUPLINGS** GLOBALSPIRAL COUPLINGS PCM / PCS FERRULES MEGACRIMP COUPLINGS **STAINLESS** STEEL POWER CRIMP COUPLINGS LOC, GL AND GLP COUPLINGS POLARSEAL COUPLINGS

> POLARSEAL II COUPLINGS

C14 COUPLINGS

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** 

PCTS THERMOPLASTIC COUPLINGS

# Global M4K Mega4000<sup>™</sup> 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<sup>®</sup> or XtraTuff<sup>™</sup> cover. See Hose Stock

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.	$\Theta$	O	0	<b>©</b>		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

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# Global M4K Mega4000<sup>™</sup> Hose - SAE 100R19

High Pressure

### Continued

Description	Product No.	$\Theta$	10	<b>©</b>	<b>©</b>	R	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

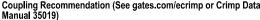
Meets Flame Resistance Acceptance Designation "MSHA 2G", and ISO11237 R19
MegaTuff® hose lasts up to 300 times longer than standard hose during hose-to-hose and hose-to-metal abrasion tests per ISO 6945.

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.

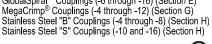
Reinforcement: Two braids of high-tensile steel wire.

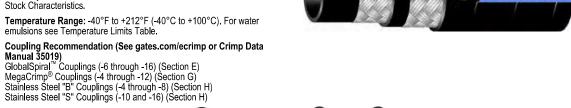
**Cover:** Black, oil, abrasion and weather resistant MegaTuff® cover with color coded layline. Also available in Standard or XtraTuff® cover. See Hose



4657-4053

16M4K-MTFXREEL





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Product No.	$\Theta$	IO	0	<b>©</b>	(RZ)	Standard Pack	Weight (Lbs.)
4657-1239	1/4	.55	4000	16000	1.5	1	10.74
4657-1477	1/4	.55	4000	16000	1.5	350	.22
4657-8017	5/16	.61	4000	16000	1.8	350	.23
4657-4020	3/8	.70	4000	16000	2.0	1	15.40
4657-1479	3/8	.70	4000	16000	2.0	330	.31
4657-4021	1/2	.82	4000	16000	2.8	1	23.67
4657-5016	1/2	.82	4000	16000	2.8	3200	.44
4657-1480	1/2	.82	4000	16000	2.8	220	.44
4657-4022	5/8	.99	4000	16000	3.0	1	26.83
4657-1481	5/8	.99	4000	16000	3.0	220	.54
4657-4024	3/4	1.17	4000	16000	3.8	1	33.90
4657-1482	3/4	1.17	4000	16000	3.8	190	.68
	Product No. 4657-1239 4657-1477 4657-8017 4657-4020 4657-1479 4657-4021 4657-5016 4657-1480 4657-4022 4657-1481	4657-1239 1/4 4657-1477 1/4 4657-8017 5/16 4657-4020 3/8 4657-1479 3/8 4657-4021 1/2 4657-5016 1/2 4657-1480 1/2 4657-4022 5/8 4657-1481 5/8 4657-4024 3/4	Product No.         IO           4657-1239         1/4         .55           4657-1477         1/4         .55           4657-8017         5/16         .61           4657-4020         3/8         .70           4657-1479         3/8         .70           4657-4021         1/2         .82           4657-5016         1/2         .82           4657-1480         1/2         .82           4657-4022         5/8         .99           4657-1481         5/8         .99           4657-4024         3/4         1.17	Product No.         IO         IO           4657-1239         1/4         .55         4000           4657-1477         1/4         .55         4000           4657-8017         5/16         .61         4000           4657-4020         3/8         .70         4000           4657-1479         3/8         .70         4000           4657-4021         1/2         .82         4000           4657-5016         1/2         .82         4000           4657-1480         1/2         .82         4000           4657-4022         5/8         .99         4000           4657-1481         5/8         .99         4000           4657-4024         3/4         1.17         4000	Product No.         IO         IO         IO           4657-1239         1/4         .55         4000         16000           4657-1477         1/4         .55         4000         16000           4657-8017         5/16         .61         4000         16000           4657-4020         3/8         .70         4000         16000           4657-1479         3/8         .70         4000         16000           4657-4021         1/2         .82         4000         16000           4657-5016         1/2         .82         4000         16000           4657-1480         1/2         .82         4000         16000           4657-4022         5/8         .99         4000         16000           4657-1481         5/8         .99         4000         16000           4657-4024         3/4         1.17         4000         16000	Product No.         IO         IO	Product No.         IO         IO         IO         IO         Standard Pack           4657-1239         1/4         .55         4000         16000         1.5         1           4657-1477         1/4         .55         4000         16000         1.5         350           4657-8017         5/16         .61         4000         16000         1.8         350           4657-4020         3/8         .70         4000         16000         2.0         1           4657-1479         3/8         .70         4000         16000         2.0         330           4657-4021         1/2         .82         4000         16000         2.8         1           4657-5016         1/2         .82         4000         16000         2.8         3200           4657-1480         1/2         .82         4000         16000         2.8         220           4657-4022         5/8         .99         4000         16000         3.0         1           4657-1481         5/8         .99         4000         16000         3.0         220           4657-4024         3/4         1.17         4000         16000         3.8<

4000

16000

4.5

165

1.21

1.52

HUSE
HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM / PCS FERRULES
MEGACRIMP COUPLINGS
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

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

HOSE	
HOSE/CPLG. SELECTION	
G8K COUPLINGS	
GLOBALSPIRAL COUPLINGS	
PCM/PCS FERRULES	
MEGACRIMP COUPLINGS	
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	

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 BCOuplings (-4 through -8) (Section H)
Stainless Steel SC Couplings (-10 and -16) (Section H)



Description	Product No.	$\Theta$	10	0	<b>©</b>	R	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

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  $\rm MegaTuff^{@}$  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.	$\Theta$	O	©	<b>©</b>	(P)	Standard Pack	Weight (Lbs.)
4M4KH X50FT	4657-4098	1/4	.55	4000	16000	2.0	1	10.80
4M4KHXREEL	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
6M4KHXREEL	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
8M4KHXREEL	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.	$\Theta$	10	<b>©</b>	<b>©</b>	R	Standard Pack	Weight (Lbs.)
10M4KHXREEL	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
12M4KHXREEL	4657-2386	3/4	1.17	4000	16000	4.7	220	.73

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

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.

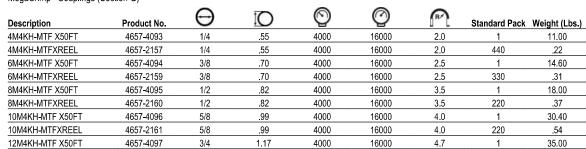
**Temperature Range:** -40°F to +250°F (-40°C to +121°C). For water emulsions see Temperature Limits Table.

Coupling Recommendation (See gates.com/ecrimp or Crimp Data Manual 35019)
GlobalSpiral™ Couplings (-6 through -12) (Section E)
MegaCrimp® Couplings (Section G)

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3/4

12M4KH-MTFXREEL



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HOSE/CPLG. SELECTION
G8K COUPLINGS
GLOBALSPIRAL COUPLINGS
PCM / PCS FERRULES
MEGACRIMP COUPLINGS
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** 

HOSE

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# Global M4KL Mega4000<sup>™</sup> PolarFlex<sup>®</sup> Hose - SAE 100R19 High Pressure

<u> </u>	
	HOSE
	HOSE/CPLG. SELECTION
	G8K COUPLINGS
	GLOBALSPIRAL COUPLINGS
	PCM/PCS FERRULES
	MEGACRIMP COUPLINGS
	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
1	

#### 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 or Crimp Data Manual 35019)
GlobalSpiral Couplings (-16) (Section E)
MegaCrimp® Couplings (Section G)
Stainless Steel "S" and "B" Couplings (Section H)



d Pack Weight (Lbs.)
0 .22
0 .23
0 .29
0 .36
0 .49
0 .70
5 1.20
(

EQUIPMENT AND PARTS