



Section 1

Hydraulic Hose

Global M4K Mega4000™ Hose SAE 100R19

4,000psi
280 Bar

Meets Flame Resistance Acceptance Designation MSHA 2G and ISO 11237 R19

Recommended For: High pressure hydraulic applications.

Standards: Exceeds ISO 18752 Grade B, SAE 100R19 and ISO 11237 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 *Characteristics Of Hose Stock Types*.

Reinforcement: Two braids of high-tensile steel wire.

Cover: Black, oil-, abrasion- and weather-resistant synthetic rubber (Modified Nitrile - Type C2). Colour-coded layline. Also available with unique abrasion-resistant MegaTuff® or XtraTuff™ cover.

See *Characteristics Of Hose Stock Types*.

Temperature Range: -40°F to +212°F (-40°C to +100°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 -16)

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

Child Super Crimp (S) Series Couplings (excluding -5)

Child Ezi Crimp (E) Series Couplings (excluding -5, -10 & -16)

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

Hose Specifications

| Part Number | | | ⊖ | | | ⊕ | | ⊙ | | ⊙ | | ⊙ | | Length (m) |
|-------------|----------|----------|------|------|----|------|------|-------|-----|--------|-------|------|-----|------------|
| Standard | MegaTuff | XtraTuff | Dash | Inch | DN | Inch | mm | PSI | Bar | PSI | Bar | Inch | mm | Reel |
| 4M4K | -MTF | -XTF | 4 | 1/4 | 6 | 0.55 | 14.0 | 4,000 | 280 | 16,000 | 1,120 | 1.5 | 38 | 134 |
| 6M4K | -MTF | -XTF | 6 | 3/8 | 10 | 0.70 | 17.8 | 4,000 | 280 | 16,000 | 1,120 | 2.0 | 51 | 100 |
| 8M4K | -MTF | -XTF | 8 | 1/2 | 12 | 0.82 | 20.8 | 4,000 | 280 | 16,000 | 1,120 | 2.8 | 71 | 67 |
| 10M4K | -MTF | -XTF | 10 | 5/8 | 16 | 0.99 | 25.2 | 4,000 | 280 | 16,000 | 1,120 | 3.0 | 76 | 67 |
| 12M4K | -MTF | -XTF | 12 | 3/4 | 19 | 1.17 | 29.7 | 4,000 | 280 | 16,000 | 1,120 | 3.8 | 97 | 67 |
| 16M4K | -MTF | -XTF | 16 | 1 | 25 | 1.52 | 38.6 | 4,000 | 280 | 16,000 | 1,120 | 4.5 | 114 | 50 |

Additional Product

| Hose Type | Couplings and Ferrules | | | | | | Associated Protective Product | | | | | | |
|-----------|------------------------|-------------------------|----------------|-------------------------|------------------------|---------|-------------------------------|--------------|------------|------------|--------------------|------------|-------------------|
| | Gates | | Child | | | | Wire Spring Guard | Spiral Guard | Heat Guard | Tex-Sleeve | Shrink Band Clamps | Life Guard | Life Guard Collar |
| Standard | 1 Piece Series | 2 Piece Series Coupling | 1 Piece Series | 2 Piece Series Coupling | 2 Piece Series Ferrule | SGX12 | | | | | | | |
| MegaTuff | | | | | | FN4P-04 | HSG-02 | SGX16 | HTG-16 | TEXS23 | SB22 | 16LG4K | 6SC4 |
| XtraTuff | | | | | | FNP-08 | HSG-05 | SGX20 | HTG-18 | TEXS27 | SB25 | 20LG4K | 8SC4 |
| | 4G | - | - | E | S | FN4P-04 | HSG-02 | SGX12 | HTG-14 | TEXS17 | SB19 | 14LG4K | 6SC4 |
| | 6G | 6GS | 6GS1F-2 | E | S | FN4P-06 | HSG-04 | SGX16 | HTG-16 | TEXS23 | SB22 | 16LG4K | 6SC4 |
| | 8G | 8GS | 8GS1F-2 | E | S | FNP-08 | HSG-05 | SGX20 | HTG-18 | TEXS27 | SB25 | 20LG4K | 8SC4 |
| | 10G | 10GS | 10GS1F-2 | - | S | FNP-10 | HSG-07 | SGX25 | HTG-22 | TEXS31 | SB29 | 22LG4K | 10SC4 |
| | 12G | 12GS | 12GS1F-2 | E | S | FNS-12 | HSG-09 | SGX32 | HTG-26 | TEXS36 | SB34 | 26LG4K | 12SC4 |
| | - | 16GS | 16GS1F-4 | - | - | - | HSG-11 | SGX40 | HTG-30 | TEXS47 | SB48 | 32LG4K | 16SC4 |