

GATES Hydraulic hose M3K-MTF (R17) MegaTuff™

Characteristics

Type: M3K-MTF

Material of inner wall: NBR

Material of outer wall: NBR/PVC

Quality cover: Gates Megatuff

Temperature range [°C]: -40 / 100 °C

EN standard: EN 857-ISC/2SC

SAE standard: SAE 100 R17

ISO standard: ISO 11237 R17

Application

- Recommended for high-pressure hydraulic applications.
- Easy to route and to install in tight areas.

Technical Information

Temperature range:

- -40°C to +100°C constant and +121°C intermittent.

Construction

Tube:

- NBR (Nitrile) based.

Reinforcement:

- -4 to -8: one braid of high tensile steel wire
- -10 to -16: two braids of high tensile steel wire.

Cover:

- NBR/PVC based.
- MSHA approved.
- MegaTuff™.

Execution

- 70% of EN 857 ISC/2SC and 50% of EN 853 ISN/2SN bend radius at rated working pressure.
- Superior flex impulse performance: tested to 600,000 impulse cycles.
- Exceeds working pressure requirements of R17.
- M3K-MTF hose is compatible with biodegradable hydraulic fluids like synthetic esters, polyglycols and vegetable oils as well as petroleum-based fluids.
- Gates special MegaTuff™ cover offers 300 times the abrasion resistance of the standard M3K cover as per ISO 6945, superior ozone and weathering resistance.

Approval

Standards:

- Exceeds ISO 11237 R17. SAE 100 R17.
- Meets or exceeds EN 857 ISC/2SC performance requirements.

Type approval:

- DNV

Options

Recommended couplings:

- MegaCrimp®



Code	Hose ID (DN)	Hose ID	Outer diameter	Maximum operating pressure	Minimum burst pressure	Minimum bending radius	Outside wall colour	Weight	Article
		in	mm	bar	bar	mm			
4M3K-MTFXRL150	DN06	1/4"	12.2	225	900	40	Black	0.17	945625
5M3K-MTFXRL125	DN08	5/16"	15.2	225	900	45	Black	0.26	945633
6M3K-MTFXRL125	DN10	3/8"	16	225	900	50	Black	0.28	945641
8M3K-MTFXRL100	DN12	1/2"	20.3	225	900	70	Black	0.41	11374416
10M3K-MTFXRL67	DN16	5/8"	25.1	225	900	75	Black	0.73	11374417
12M3K-MTFXRL67	DN19	3/4"	29.2	225	900	95	Black	0.91	11374418
16M3K-MTFXRL50	DN25	1"	37.6	225	900	115	Black	1.55	11374419

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