

GATES Hydraulic hose MegaSys® M3K (R17)

Characteristics

Series: MegaSys®

Type: M3K

Material of inner wall: NBR

Material of outer wall: NBR/PVC

Quality cover: Standard

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.

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.
- Lightweight.
- M3K hose is compatible with biodegradable hydraulic fluids like synthetic esters, polyglycols and vegetable oils as well as petroleum-based fluids.

Approval

Standards:

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

Type approval:

- DNV, LR, BV and ABS.

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		kg/m	
4M3K	DN06	1/4"	12.2	225	900	40	Black	0.17	1064709
5M3K	DN08	5/16"	15.1	225	900	45	Black	0.26	1064710
6M3K	DN10	3/8"	16	225	900	50	Black	0.28	1064711
8M3K	DN12	1/2"	20.2	225	900	70	Black	0.41	1064708
10M3K	DN16	5/8"	25.2	225	900	75	Black	0.73	11374407
12M3K	DN19	3/4"	29	225	900	95	Black	0.91	11374408
16M3K	DN25	1"	37.7	225	900	115	Black	1.55	11374409

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