GATES Hydraulic hose M3KH (R17)

Characteristics

Type: M3KH
Material of inner wall: NBR
Material of outer wall: CR
Quality cover: Standard
Temperature range [°C]: -40 / 121 °C
EN standard: EN 857-1SC/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 +121°C

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:

- CR (Chloroprene) based.
- MSHA approved.

Execution

- 70% of EN 857 2SC and 50% of EN 853 2SN bend radius at rated working pressure.
- Alternative to spiral hoses in high pressure lines where flexibility is required.
- Superior flex impulse performance: tested to 600,000 impulse cycles.
- M3KH 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 1SC/2SC performance requirements.

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	
4M3KHXRL134	DN06	1/4"	12.2	225	900	50	Black	0.19	11407452
5M3KHXRL101	DN08	5/16"	15.2	225	900	55	Black		14607036
6M3KHXRL101	DN10	3/8"	16.5	225	900	65	Black	0.31	11407453
8M3KHXRL67	DN12	1/2"	20.3	225	900	90	Black		14607037
10M3KHXRL67	DN16	5/8"	25.1	225	900	100	Black		14607038
12M3KHXRL67	DN19	3/4"	29.2	225	900	120	Black		14607039
16M3KHXRL50	DN25	1"	37.6	225	900	150	Black		14607040

PR_EC011314_0039_EN_29.06.2024

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