

GATES Hydraulic hose M4K (R19)

Characteristics

Type: M4K

Material of inner wall: NBR

Material of outer wall: NBR/PVC

Quality cover: Standard

Temperature range [°C]: -40 / 100 °C

EN standard: EN 857-2SC

SAE standard: SAE 100 R19

ISO standard: ISO 11237 R19

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:

- Two braids of high tensile steel wire.

Cover:

- NBR/PVC based.
- MSHA approved.

Execution

- 50% of EN 857 2SC and 40% 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.
- M4K 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 R19. SAE 100 R19.
- Meets or exceeds EN 857 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							
4M4KXRL175	DN06	1/4"	14	280	1120	40	Black	0.33	11374397
5M4KXRL150	DN08	5/16"	15.5	280	1120	45	Black		11374398
6M4KXRL100	DN10	3/8"	17.8	280	1120	50	Black	0.46	11374399
8M4KXRL75	DN12	1/2"	20.8	280	1120	70	Black	0.51	1029260
10M4KXRL50	DN16	5/8"	25.1	280	1120	75	Black	0.74	1029261
12M4KXRL40	DN19	3/4"	29.7	280	1120	95	Black	0.93	11331238
16M4KXRL50	DN25	1"	38.6	280	1120	115	Black		14563407

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