

GATES Hydraulic hose MegaSys® EFG4K (R12)

Characteristics

Series: MegaSys®
Type: EFG4K
Material of inner wall: NBR
Material of outer wall: CR
Quality cover: Standard
Temperature range [°C]: -40 / 121 °C
EN standard: EN 856-R12
SAE standard: SAE 100 R12
ISO standard: ISO 3862 R12

Application

- Extremely high pressure and high impulse hydraulic applications.

Technical Information

Temperature range:
• -40°C to +121°C

Construction

Tube:
• NBR (Nitrile) based.
Reinforcement:
• Four alternating layers of spiralled, high tensile steel wire.
Cover:
• CR (Chloroprene) based.
• MSHA approved.

Execution

- 40% of EN 856 4SP bend radius at rated working pressure.
- Most flexible EN 856 R12 / SAE 100R12 hose in the industry.
- Superior flex impulse performance: tested to 1,000,000 impulse cycles at 50% of EN 856 R12 and SAE 100R12 bend radii.
- EFG4K hose is compatible with biodegradable hydraulic fluids like synthetic esters, polyglycols and vegetable oils as well as petroleum-based fluids.

Approval

Standards:

- Exceeds ISO 3862 R12. EN 856 R12. SAE 100 R12.
- Meets or exceeds performance requirements of EN 856 4SP (-16, -20).

Type approval:

- DNV, LR, BV and ABS.

Options

Recommended couplings:

- GlobalSpiral

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	
6EFG4K	DN10	3/8"	20.2	280	1120	65	Black	0.71	11374384
8EFG4K	DN12	1/2"	24	280	1120	90	Black	0.89	11374385
10EFG4K	DN16	5/8"	27.6	280	1120	100	Black	1.13	11374386
12EFG4K	DN19	3/4"	30.7	280	1120	120	Black	1.28	11374387
16EFG4K	DN25	1"	38	280	1120	150	Black	1.88	776904
20EFG4K	DN31	1.1/4"	47	280	1120	210	Black	2.83	791180

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