

GATES Hydraulic hose MegaSys® EFG3K (R12)

Characteristics

Series: MegaSys®

Type: EFG3K

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

- Up to 40% of EN 856 4SP bend radius at rated working pressure.
- Extremely flexible.
- Superior flex impulse performance: tested to 1,000,000 impulse cycles at 50% of EN 856 R12 and SAE 100R12 bend radii (except -32).
- EFG3K 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.

Type approval:

- DNV, LR, BV and ABS.

Options

Recommended couplings:

- 20 : GlobalSpiral
- 24 to -32 : GlobalSpiral Plus

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	
20EFG3K	DN31	1.1/4"	47	210	840	210	Black	2.82	11374392
24EFG3K	DN38	1.1/2"	53.6	210	840	250	Black	3.2	791199
32EFG3K	DN51	2"	66.8	210	840	635	Black	4.39	791210

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