GATES Hydraulic hose MegaSys® EFG6K (R15)

Characteristics

Series: MegaSys®
Type: EFG6K
Material of inner wall: NBR
Material of outer wall: CR
Quality cover: Standard
Temperature range [°C]: -40 / 121 °C
SAE standard: SAE 100 R15
ISO standard: ISO 3862 R15

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 (six for -20 to -32) alternating layers of spiralled, high tensile steel wire.

Cover:

- CR (Chloroprene) based.
- MSHA approved.

Execution

- Up to 40% of EN 856 4SP/4SH bend radius at rated working pressure.
- Extremely flexible.
- Superior flex impulse performance: tested to 1,000,000 impulse cycles at 50% of SAE 100R15 bend radii (except -32).
- EFG6K 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 R15. SAE 100 R15.
- Meets or exceeds performance requirements of EN 856 4SP (-10 to -32) and EN 856 4SH (-20 to -32).

Type approval:

- DNV, LR, BV and ABS.

Options

Recommended couplings:

- -6 to -20: GlobalSpiral
- -24, -32: GlobalSpiral Maximum

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	
6EFG6K	DN10	3/8"	20.2	420	1680	65	Black	0.71	791024
8EFG6K	DN12	1/2"	24	420	1680	90	Black	0.89	791164
10EFG6K	DN16	5/8"	27.6	420	1680	100	Black	1.15	795771
12EFG6K	DN19	3/4"	31.4	420	1680	120	Black	1.44	795887
16EFG6K	DN25	1"	38.7	420	1680	150	Black	2.23	795909
20EFG6K	DN31	1.1/4"	50	420	1680	210	Black	3.99	796050
24EFG6K	DN38	1.1/2"	57.4	420	1680	250	Black	4.82	11276963
32EFG6K	DN51	2"	71.1	420	1680	635	Black	7.19	12448183

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