

GATES Hydraulic hose MegaSys® EFG5K (R13)

Characteristics

Series: MegaSys®

Type: EFG5K

Material of inner wall: NBR

Material of outer wall: CR

Quality cover: Standard

Temperature range [°C]: -40 / 121 °C

EN standard: EN 856-R13

SAE standard: SAE 100 R13

ISO standard: ISO 3862 R13

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 EN 856 R13 and SAE 100R13 bend radii (except -32).
- EFG5K 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 R13. EN 856 R13. SAE 100 R13.
- 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	
6EFG5K	DN10	3/8"	20.2	350	1400	65	Black	0.71	11373909
8EFG5K	DN12	1/2"	24	350	1400	90	Black	0.89	1028574
10EFG5K	DN16	5/8"	27.6	350	1400	100	Black	1.15	776920
12EFG5K	DN19	3/4"	31.4	350	1400	120	Black	1.44	776912
16EFG5K	DN25	1"	38.7	350	1400	150	Black	2.23	11373910
20EFG5K	DN31	1.1/4"	50	350	1400	210	Black	3.99	848093
24EFG5K	DN38	1.1/2"	57.4	350	1400	250	Black	4.82	796212
32EFG5K	DN51	2"	71.1	350	1400	635	Black	7.19	926582

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