

GATES Hydraulic hose EFG5K (R13)

Characteristics

- 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" | 24.1 | 350 | 1400 | 90 | Black | 0.89 | 1028574 |
| 10EFG5K | DN16 | 5/8" | 27.7 | 350 | 1400 | 100 | Black | 1.15 | 776920 |
| 12EFG5K | DN19 | 3/4" | 31.5 | 350 | 1400 | 120 | Black | 1.44 | 776912 |
| 16EFG5KXLL | DN25 | 1" | 38.9 | 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 |

Disclaimer: The content of this document has been composed with the utmost care. However, it is possible that certain information changes over time, becomes inaccurate or incomplete. ERIKS does not guarantee that the information provided on this document is up to date, accurate and complete; the information provided is not intended to be advice. ERIKS shall never be liable for damage resulting from the use of the information provided.