

## GATES Hydraulic hose MegaSys® 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   |

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