

GATES Hydraulic hose EFG4K (R12)

Characteristics

Type: EFG4K

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

- 40% of EN 856 4SP bend radius at rated working pressure.
- Most flexible EN 856 R12 / SAE 100R12 hose in the industry.
- Superior flex impulse performance: tested to 1,000,000 impulse cycles at 50% of EN 856 R12 and SAE 100R12 bend radii.
- EFG4K 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 [-16, -20].

Type approval:

- DNV, LR, BV and ABS.

Options

Recommended couplings:

- GlobalSpiral

| 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 | |
| 6EFG4K | DN10 | 3/8" | 20.2 | 280 | 1120 | 65 | Black | 0.71 | 11374384 |
| 8EFG4K | DN12 | 1/2" | 23.9 | 280 | 1120 | 90 | Black | 0.89 | 11374385 |
| 10EFG4K | DN16 | 5/8" | 27.7 | 280 | 1120 | 100 | Black | 1.13 | 11374386 |
| 12EFG4K | DN19 | 3/4" | 30.7 | 280 | 1120 | 120 | Black | 1.28 | 11374387 |
| 16EFG4KXLL | DN25 | 1" | 38.1 | 280 | 1120 | 150 | Black | 1.88 | 776904 |
| 20EFG4K | DN31 | 1.1/4" | 47 | 280 | 1120 | 210 | Black | 2.83 | 791180 |

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