

## GATES Hydraulic hose EFG3K (R12)

### Characteristics

**Type:** EFG3K  
**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

- Up to 40% of EN 856 4SP bend radius at rated working pressure.
- Extremely flexible.
- Superior flex impulse performance: tested to 1,000,000 impulse cycles at 50% of EN 856 R12 and SAE 100R12 bend radii (except -32).
- EFG3K 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.

#### Type approval:

- DNV, LR, BV and ABS.

### Options

#### Recommended couplings:

- 20 : GlobalSpiral
- 24 to -32 : GlobalSpiral Plus

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			
20EFG3K	DN31	1.1/4"	47	210	840	210	Black	2.82	11374392
24EFG3K	DN38	1.1/2"	53.6	210	840	250	Black	3.2	791199
32EFG3K	DN51	2"	66.8	210	840	635	Black	4.39	791210

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