

## GATES Hydraulic hose MegaSys® G1 (coils)



### Characteristics

**Series:** MegaSys®

**Type:** G1

**Material of inner wall:** Oil resistant synthetic rubber

**Material of outer wall:** Synthetic rubber, abrasion, weather and ozon resistant

**Quality cover:** Standard

**Temperature range [°C]:** -40 / 100 °C

**EN standard:** EN 853-1SN

**SAE standard:** SAE 100 R1AT

**ISO standard:** ISO 1436 1SN RIATS

### Application

- Recommended for medium pressure hydraulic applications.

### Technical Information

**Temperature range:**

- -40°C to +100°C constant and +121°C intermittent.

### Construction

**Tube:**

- NBR (Nitrile) based.

**Reinforcement:**

- One braid of high tensile steel wire.

**Cover:**

- NBR/PVC based.
- MSHA approved.

### Execution

- 50% of SAE 100R1 bend radius at rated working pressure.
- Superior flex impulse performance: tested to 600,000 impulse cycles.
- G1 hose is compatible with biodegradable hydraulic fluids like synthetic esters, polyglycols and vegetable oils as well as petroleum-based fluids.

### Approval

**Standards:**

- :Exceeds ISO 1436 1SN RIATS. EN 853 1SN. SAE 100 R1AT.

**Type approval:**

- DNV, GL, LR, BV and ABS.

### Options

**Recommended couplings:**

- -4 to -20 MegaCrimp®
- -24, -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                     |                     | kg/m   |          |
| 5G1xRL175 | DN08         | 5/16"   | 15.1           | 215                        | 860                    | 55                     | Black               | 0.26   | 11543563 |
| 6G1xRL125 | DN10         | 3/8"    | 17.1           | 180                        | 720                    | 65                     | Black               | 0.32   | 11543564 |
| 8G1xRL100 | DN12         | 1/2"    | 20.3           | 160                        | 640                    | 90                     | Black               | 0.39   | 11543566 |
| 10G1xRL75 | DN16         | 5/8"    | 23.5           | 130                        | 520                    | 100                    | Black               | 0.46   | 11543568 |
| 12G1xRL50 | DN19         | 3/4"    | 27.6           | 105                        | 420                    | 120                    | Black               | 0.59   | 11543569 |

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