

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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