

GATES Hydraulic hose MegaSys® G1 (1SN)

Characteristics

Series: MegaSys®

Type: G1

Material of inner wall: NBR

Material of outer wall: NBR/PVC

Quality cover: Standard

Temperature range [°C]: -40 / 100 °C

EN standard: EN 853-1SN

SAE standard: SAE 100 R1AT

ISO standard: ISO 1436 1SN R1ATS

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 R1ATS. 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	
4G1	DN06	1/4"	13.5	225	900	50	Black	0.22	11543508
5G1	DN08	5/16"	15.1	215	860	55	Black	0.26	11374424
6G1	DN10	3/8"	17.1	180	720	65	Black	0.32	11374425
8G1	DN12	1/2"	20.3	160	640	90	Black	0.39	11374426
10G1	DN16	5/8"	23.5	130	520	100	Black	0.46	11374427
12G1	DN19	3/4"	27.6	105	420	120	Black	0.59	11374428
16G1	DN25	1"	35.4	90	360	150	Black	0.84	11374429
20G1	DN31	1.1/4"	43.4	64	256	210	Black	1.28	1011948
24G1	DN38	1.1/2"	49.8	50	200	250	Black	1.45	1020660
32G1	DN51	2"	64	42	168	315	Black	2.05	1053127

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