GATES Hydraulic hose Megaflex® M2T-MTF (R16) MegaTuff™

Characteristics

Type: M2T-MTF

Material of inner wall: NBR Material of outer wall: NBR/PVC **Quality cover:** Gates Megatuff Temperature range [°C]: -40 / 100 °C

SAE standard: SAE 100 R16 ISO standard: ISO 11237 R16

Application

- Recommended for high-pressure hydraulic
- Easy to route and to install in tight areas.

Technical Information

Temperature range:

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

Construction

Tube:

• NBR (Nitrile) based.

Reinforcement:

• Two braids of high tensile steel wire.

Cover:

- NBR (Nitrile) based.
- MSHA approved.
- MegaTuff™

Execution

- Superior flex impulse performance: tested to 600,000 impulse cycles at 50% of EN8572SC
- Higher working pressure than ISO 11237 2SC R16.
- M2T-MTF hose is compatible with biodegradable hydraulic fluids like synthetic esters, polyglycols and vegetable oils as well as petroleum-based fluids.
- Gates special MegaTuff™ cover offers 300 times the abrasion resistance of the standard M2T cover as per ISO 6945, superior ozone and weathering resistance.

Approval

Standards:

- Exceeds ISO 11237 R16.
- Exceeds ISO 1436 2SN R2 and SAE 100R2 performance.
- Exceeds EN 857 2SC and EN 853 2SN performance.

Type approval:

DNV

Options

Recommended couplings:

• MegaCrimp®

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	
DN06	1/4"	14.2	420	1680	40	Black	0.3	13633226
DN08	5/16"	15.5	380	1520	45	Black	0.33	13633228
DN10	3/8"	17.8	350	1400	50	Black	0.45	13633229
DN12	1/2"	20.8	296	1184	70	Black	0.55	13633230
DN16	5/8"	24.1	262	1048	75	Black	0.67	13633231
DN19	3/4"	28.2	241	964	95	Black	0.8	13633232
DN25	1"	35.3	172	688	115	Black	1.41	13633233
	DN06 DN08 DN10 DN12 DN16 DN19	in DN06 1/4" DN08 5/16" DN10 3/8" DN12 1/2" DN16 5/8" DN19 3/4"	In mm Max Max	Hose ID (DN) Hose ID Outer diameter diameter operating pressure in mm bar DN06 1/4" 14.2 420 DN08 5/16" 15.5 380 DN10 3/8" 17.8 350 DN12 1/2" 20.8 296 DN16 5/8" 24.1 262 DN19 3/4" 28.2 241	Hose ID (DN) Hose ID Outer diameter diameter operating pressure Minimum burst pressure DN06 1/4" 14.2 420 1680 DN08 5/16" 15.5 380 1520 DN10 3/8" 17.8 350 1400 DN12 1/2" 20.8 296 1184 DN16 5/8" 24.1 262 1048 DN19 3/4" 28.2 241 964	Hose ID (DN) Hose ID Outer diameter operating pressure Minimum burst pressure bending radius DN06 1/4" 14.2 420 1680 40 DN08 5/16" 15.5 380 1520 45 DN10 3/8" 17.8 350 1400 50 DN12 1/2" 20.8 296 1184 70 DN16 5/8" 24.1 262 1048 75 DN19 3/4" 28.2 241 964 95	Hose ID (DN) Hose ID Outer diameter operating pressure burst pressure bending radius Outside Wall colour DN06 1/4" 14.2 420 1680 40 Black DN08 5/16" 15.5 380 1520 45 Black DN10 3/8" 17.8 350 1400 50 Black DN12 1/2" 20.8 296 1184 70 Black DN16 5/8" 24.1 262 1048 75 Black DN19 3/4" 28.2 241 964 95 Black	Hose ID (DN) Hose ID Outer diameter diameter operating pressure pressure Minimum bar bar bar mm bending radius Outside Wall colour Weight DN06 1/4" 14.2 420 1680 40 Black 0.3 DN08 5/16" 15.5 380 1520 45 Black 0.33 DN10 3/8" 17.8 350 1400 50 Black 0.45 DN12 1/2" 20.8 296 1184 70 Black 0.55 DN16 5/8" 24.1 262 1048 75 Black 0.67 DN19 3/4" 28.2 241 964 95 Black 0.8

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