

## GATES Hydraulic hose Megaflex® M2T (R16)

### Characteristics

**Type:** M2T

**Material of inner wall:** NBR

**Material of outer wall:** NBR/PVC

**Quality cover:** Standard

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

**SAE standard:** SAE 100 R16

**ISO standard:** ISO 11237 R16

### Application

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

### Technical Information

**Temperature range:**

- -40° to +100°C

### Construction

**Tube:**

- NBR (Nitrile) based.

**Reinforcement:**

- Two braids of high tensile steel wire.

**Cover:**

- NBR/PVC based.
- MSHA approved.

### Execution

- Superior flex impulse performance: Tested to 600,000 impulse cycles at 50% of EN 857 2SC bend radii.
- M2T® hose has smaller exterior dimensions and significantly tighter bend radius than competitive R16 hoses.
- M2T® hose is compatible with biodegradable hydraulic fluids like synthetic esters, polyglycols and vegetable oils as well as petroleum-based fluids.

### 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, LR, BV and ABS

### Options

**Recommended couplings:**

- GlobalSpiral™ Couplings [-6 through -20]
- GlobalSpiral™ Plus Couplings [-24 and -32]
- MegaCrimp® Couplings [-4 through -20] and Stainless Steel B Couplings.



Code	Hose ID (DN)	Hose ID	Outer diameter	Maximum operating pressure	Minimum burst pressure	Minimum bending radius	Outside wall colour	Article
		in						
4M2TXBALE	DN06	1/4"	14.2	420	1680	40	Black	13642839
4M2TXRL175	DN06	1/4"	14.2	420	1680	40	Black	13642832
5M2TXBALE	DN08	5/16"	15.5	380	1520	45	Black	13642840
5M2TXRL150	DN08	5/16"	15.5	380	1520	45	Black	13642833
6M2TXRL100	DN10	3/8"	17.8	350	1400	50	Black	13642834
6M2TXBALE	DN10	3/8"	17.8	350	1400	50	Black	13642842
8M2TXBALE	DN12	1/2"	20.8	296	1184	70	Black	13642843
8M2TXRL75	DN12	1/2"	20.8	296	1184	70	Black	13642835
10M2TXRL50	DN16	5/8"	24.1	262	1048	75	Black	13642836
10M2TXBALE	DN16	5/8"	24.1	262	1048	75	Black	13642844
12M2TXRL50	DN19	3/4"	28.2	241	964	95	Black	13642837
12M2TXBALE	DN19	3/4"	28.2	241	964	95	Black	13642845
16M2TXBALE	DN25	1"	35.3	172	688	115	Black	13642846
16M2TXRL40	DN25	1"	35.3	172	688	115	Black	13642838
20M2TXCT36	DN31	1.1/4"	42.4	159	636	210	Black	14606991
24M2TXCT36	DN38	1.1/2"	50.8	140	560	250	Black	14606992
32M2TXCT36	DN51	2"	64.3	103	412	315	Black	14606993

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