



GATES NEW M2T® MEGAFLEX® HOSE REPLACES BOTH M2T & M2T PLUS HOSES

With increased working pressures, full 4-to-1 burst pressures, smaller bend radius and an all new look, Gates new M2T MegaFlex hose consolidates previous M2T and M2T Plus hoses into one new and improved hose. Now, this one hose is ideal for high-pressure hydraulic applications on mobile equipment used in agriculture, construction, mining and other industries as well as in stationary equipment in industrial and MRO operations.

The new M2T hose meets or exceeds the latest SAE 100R16 specifications as well as ISO and EN standards. While still branded as M2T MegaFlex hose, it offers improved performance and other benefits over previous versions:

- Tighter bend radius allows use of shorter hose assemblies to save money
- Longer life in demanding impulse and bending applications
- Enhanced flexibility for easier routing and plumbing in tight areas
- Improved green and silver layline for faster, easier identification
- Simplified inventory requirements to save space and money
- Available with XtraTuff® and MegaTuff® covers for superior abrasion resistance



Recommended For: High-pressure hydraulic oil lines, especially in tight or confined areas.

Tube: Black, oil resistant, synthetic rubber (Nitrile – Type C).

Reinforcement: Two braids of high-tensile steel wire.

Cover: Black, oil, abrasion and weather resistant, synthetic rubber (Modified Nitrile – Type C₂). Available with unique abrasion-resistant MegaTuff® or XtraTuff™ cover.

Temperature Range: -40°F to +212°F (-40°C to +100°C).

Coupling Recommendations (See Gates Crimp Data Manual 35019): MegaCrimp® couplings, GlobalSpiral™ (GS) couplings, 316 Stainless Steel couplings.

Meets Flame Resistance Acceptance Designation MSHA 2G

M2T® MegaFlex® 2-Wire Braid Hose

Description	I.D.		O.D.		Max. Working Pressure		Min. Burst Pressure		Min. Bend Radius	
	(in.)	(mm)	(in.)	(mm)	(psi)	(MPa)	(psi)	(MPa)	(in.)	(mm)
4M2T	1/4	6.4	0.54	13.7	6,000	42.0	24,000	168.0	1.5	38.1
5M2T	5/16	7.9	0.60	15.2	5,500	38.0	22,000	152.0	1.8	45.7
6M2T	3/8	9.5	0.69	17.5	5,000	35.0	20,000	140.0	2.0	50.8
8M2T	1/2	12.7	0.82	20.8	4,300	29.6	17,200	118.6	2.8	71.1
10M2T	5/8	15.9	0.95	24.1	3,800	26.2	15,200	104.8	3.0	76.2
12M2T	3/4	19.1	1.10	27.9	3,500	24.1	14,000	96.5	3.8	96.5
16M2T	1	25.4	1.38	35.1	2,500	17.2	10,000	68.9	4.5	114.3

M2T® MegaFlex® 2-Wire Braid Hose — MegaTuff® Cover

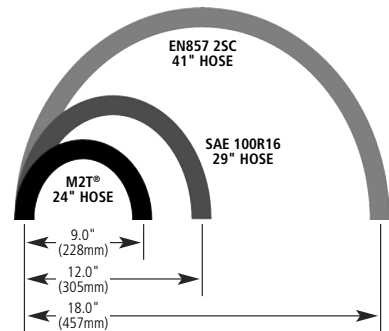
Description	I.D.		O.D.		Max. Working Pressure		Min. Burst Pressure		Min. Bend Radius	
	(in.)	(mm)	(in.)	(mm)	(psi)	(MPa)	(psi)	(MPa)	(in.)	(mm)
4M2T-MTF	1/4	6.4	0.54	13.7	6,000	42.0	24,000	168.0	1.5	38.1
5M2T-MTF	5/16	7.9	0.60	15.2	5,500	38.0	22,000	152.0	1.8	45.7
6M2T-MTF	3/8	9.5	0.69	17.5	5,000	35.0	20,000	140.0	2.0	50.8
8M2T-MTF	1/2	12.7	0.82	20.8	4,300	29.6	17,200	118.6	2.8	71.1
10M2T-MTF	5/8	15.9	0.95	24.1	3,800	26.2	15,200	104.8	3.0	76.2
12M2T-MTF	3/4	19.1	1.10	27.9	3,500	24.1	14,000	96.5	3.8	96.5
16M2T-MTF	1	25.4	1.38	35.1	2,500	17.2	10,000	68.9	4.5	114.3



6MPa (4300 PSI) 1/2" (12.7 mm) ISO11237 2SC R16 / EN857 2SC / SAE 100R16 Flame Resistant MSHA 2G-11C

M2T® MegaFlex® 2-Wire Braid Hose — XtraTuff™ Cover

Description	I.D. (in.)	(mm)	O.D. (in.)	(mm)	Max. Working Pressure (psi)	(MPa)	Min. Burst Pressure (psi)	(MPa)	Min. Bend Radius (in.)	(mm)
4M2T-XTF	1/4	6.4	0.54	13.7	6,000	42.0	24,000	168.0	1.5	38.1
5M2T-XTF	5/16	7.9	0.60	15.2	5,500	38.0	22,000	152.0	1.8	45.7
6M2T-XTF	3/8	9.5	0.69	17.5	5,000	35.0	20,000	140.0	2.0	50.8
8M2T-XTF	1/2	12.7	0.82	20.8	4,300	29.6	17,200	118.6	2.8	71.1
10M2T-XTF	5/8	15.9	0.95	24.1	3,800	26.2	15,200	104.8	3.0	76.2
12M2T-XTF	3/4	19.1	1.10	27.9	3,500	24.1	14,000	96.5	3.8	96.5
16M2T-XTF	1	25.4	1.38	35.1	2,500	17.2	10,000	68.9	4.5	114.3



Reduced Bend Radius Capability per SAE Specification
Illustration of 16M2T® hose flexibility and reduced hose length

MAXIMUM WORKING PRESSURE & BEND RADIUS COMPARISONS

WORKING PRESSURE

Hose I.D. (in.)	(mm)	NEW M2T Capability (psi)	(MPa)	OLD M2T SAE 100R16 (psi)	(MPa)	OLD M2T PLUS SAE 100R16S (psi)	(MPa)	ISO 11237 R16 SAE 100R16 (psi)	(MPa)	ISO 11237 2SC EN857 2SC (psi)	(MPa)
1/4	6.4	6,000	42.0	5,000	34.4	5,800	40.0	5,800	40.0	5,800	40.0
5/16	7.9	5,500	38.0	NA	NA	5,100	35.0	5,100	35.0	5,100	35.0
3/8	9.5	5,000	35.0	4,000	28.0	4,800	33.0	4,800	33.0	4,800	33.0
1/2	12.7	4,300	29.6	3,500	24.0	4,000	28.0	4,000	28.0	4,000	28.0
5/8	15.9	3,800	26.2	2,750	19.0	3,625	25.0	3,625	25.0	3,625	25.0
3/4	19.1	3,500	24.1	2,250	15.4	3,100	21.5	3,100	21.5	3,100	21.5
1	25.4	2,500	17.2	2,000	13.8	2,400	16.5	2,400	16.5	2,400	16.5

BEND RADIUS

Hose I.D. (in.)	(mm)	NEW M2T Capability (in.)	(mm)	OLD M2T SAE 100R16 (in.)	(mm)	OLD M2T PLUS SAE 100R16S (in.)	(mm)	ISO 11237 R16 SAE 100R16 (in.)	(mm)	ISO 11237 2SC EN857 2SC (in.)	(mm)
1/4	6.4	1.5	38.1	2.0	50	2.0	50	2.0	50	3.0	75
5/16	7.9	1.8	45.7	NA	NA	2.3	57	2.3	57	3.3	85
3/8	9.5	2.0	50.8	2.5	65	2.5	65	2.5	65	3.5	90
1/2	12.7	2.8	71.1	3.5	90	3.5	90	3.5	90	5.0	130
5/8	15.9	3.0	76.2	4.0	100	4.0	100	4.0	100	6.8	170
3/4	19.1	3.8	96.5	4.8	120	4.8	120	4.8	120	7.8	200
1	25.4	4.5	114.3	6.0	150	6.0	150	6.0	150	9.8	250