

MegaTech® 1000 High-Temp Oil/Air Return

Fleet Application

Recommended For: Air brake, pressurized hot oil return lines and rotary oil/air compressor lines. Meets the requirements of DOT FMVSS 106-74, SAE J1402, for Air Brake Hose (-4, 6, 8, 10), and SAE J1405 performance specifications for high-temperature transmission and lubricating oil systems using petroleum base oils. Not recommended for gasoline or diesel fuel applications.

Tube: GTS (Gates Technical Spec.) black tube specifically compounded for temperature and chemical resistance (CPE - Type J). See Hose Stock Characteristics.

Reinforcement: One braid of high-tensile steel wire.

Cover: Oil and mildew resistant, textile braid, impregnated with synthetic rubber.

Temperature Range: Petroleum-base fluids: -40°F to +300°F (-40°C to +149°C). Phosphate esters fluids as recommended by the fluid manufacturer, but within a range of -40°F to +212°F (-40°C to +100°C). For water emulsions see Temperature Limits Table.

Coupling Recommendation (See Crimp Data Manual 35019 or E-crimp):
MegaCrimp® Couplings (Section G)



Order Code	Hose I.D. (In.)	Hose O.D. (In.)	Working Pressure (psi.)	Min. Burst Pressure (psi.)	Min. Bend Radius (In.)
MEGATECH1000-04	1/4"	0.52	1,000	4,000	2.0
MEGATECH1000-06	3/8"	0.66	1,000	4,000	2.5
MEGATECH1000-08	1/2"	0.80	1,000	4,000	3.5
MEGATECH1000-10	5/8"	0.93	1,000	4,000	4.0
MEGATECH1000-12	3/4"	1.15	1,000	4,000	4.7
MEGATECH1000-16	1"	1.37	1,000	4,000	6.0
MEGATECH1000-20	1-1/4"	1.64	1,000	4,000	8.5

NOTE: Federal law requires registration with the Department of Transportation for anyone producing air brake hose assemblies with swaged or crimped fittings. See Engineering and Technical Data Section for compliance.

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Recommended For: For air brake hose, pressurized hot oil return lines and rotary oil/air compressor lines. Meets the requirements of SAE J1405 performance specifications for high-temperature transmission and lubricating oil systems using petroleum base oils. Not recommended for gasoline or diesel fuel applications.

Tube: GTS (Gates Technical Spec.) black tube specifically compounded for temperature and chemical resistance (CPE - Type J). See Hose Stock Characteristics.

Reinforcement: One braid of high-tensile steel wire.

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Coupling Recommendation (See Crimp Data Manual 35019 or E-crimp):
GL Couplings (Section J)
GSP Couplings (-24 and -32) (Section E)



Order Code	Hose I.D. (In.)	Hose O.D. (In.)	Working Pressure (psi.)	Min. Burst Pressure (psi.)	Min. Bend Radius (In.)
MEGATECH500-24	1-1/2"	1.95	500	2,000	15.0
MEGATECH500-32	2"	2.48	500	2,000	18.0
MEGATECH500-40	2-1/2"	2.97	500	2,000	22.0
MEGATECH500-48	3"	3.50	500	2,000	24.0