

Section 1 Hydraulic Hose



MegaTech® 1000 High-Temp Oil-Air Return

High Temp
149°C

Fleet Applications

Recommended For: Air brake hose, pressurised hot oil return lines and rotary oil/air compressor lines.

Standards: 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 lubrication 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 *Characteristics Of Hose Stock Types*.

Reinforcement: One braid of high-tensile steel wire.

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

See *Characteristics Of Hose Stock Types*.

Temperature Range: Petroleum-based fluids: -40°F to +300°F (-40°C to +149°C).

Phosphate ester fluids as recommended by the fluid manufacturer but within range of -40°F to +212°F (-40°C to +100°C).

For water emulsions see *Additional Temperature Limits For Gates Hydraulic Hose*.

Couplings Recommendation: (see *Southcott Crimp Data Book/Charts*)

Gates MegaCrimp® (G) Couplings

Child Super Crimp (S) Series Couplings (-12 only)

Refer www.southcott.com.au for current crimp specifications

Hose Specifications

Part Number	⊖			⊕		⊕		⊕		⊕		Length (m)
	Standard	Dash	Inch	DN	Inch	mm	PSI	Bar	PSI	Bar	Inch	
4MegaTech1000	4	1/4	6	0.52	13.2	1,000	68	4,000	275	2.0	50.8	106
6MegaTech1000	6	3/8	10	0.66	16.8	1,000	68	4,000	275	2.5	63.5	106
8MegaTech1000	8	1/2	12	0.80	20.3	1,000	68	4,000	275	3.5	88.9	106
10MegaTech1000	10	5/8	16	0.93	23.6	1,000	68	4,000	275	4.0	101.6	91
12MegaTech1000	12	3/4	19	1.15	29.2	1,000	68	4,000	275	4.7	119.4	60
16MegaTech1000	16	1	25	1.37	34.8	1,000	68	4,000	275	6.0	152.4	45
20MegaTech1000	20	1-1/4	31	1.64	41.7	1,000	68	4,000	275	8.5	215.9	30

Additional Product

Hose Type	Couplings and Ferrules			Associated Protective Product						
	Gates 1 Piece Series	Child 2 Piece Series Coupling Ferrule		Wire Spring Guard	Spiral Guard	Heat Guard	Tex-Sleeve	Shrink Band Clamps	Life Guard	Life Guard Collar
4MegaTech1000	4G	-	-	HSG-03	SGX16	HTG-13	TEXS23	SB22	14LG4K	6SC4
6MegaTech1000	6G	-	-	HSG-04	SGX20	HTG-16	TEXS27	SB22	16LG3K	6SC4
8MegaTech1000	8G	-	-	HSG-07	SGX25	HTG-18	TEXS31	SB25	20LG3K	8SC4
10MegaTech1000	10G	-	-	HSG-09	SGX32	-	TEXS33	SB29	22LG3K	10SC4
12MegaTech1000	12G	S	FNP-12	HSG-10	SGX40	-	TEXS44	SB41	26LG3K	12SC4
16MegaTech1000	16G	-	-	HSG-12	SGX50	HTG-24	TEXS47	SB48	32LG3K	16SC4
20MegaTech1000	20G	-	-	HSG-14	SGX50	HTG-30	TEXS60	SB60	-	