

# Section 1 Hydraulic Hose



## MegaTech® 500 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 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.

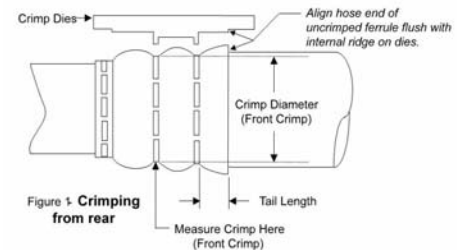
**Cover:** Oil- and mildew-resistant textile braid impregnated with synthetic rubber.

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 Global (GL) Couplings (-24, -32 and -40)

Gates GlobalSpiral™ Plus (GSP) Series Couplings (-24 and -32)

Refer [www.southcott.com.au](http://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	
24MegaTech500	24	1-1/2	38	1.95	49.5	500	34	2,000	137	15.0	381	30
32MegaTech500	32	2	51	2.48	63.0	500	34	2,000	137	18.0	457	30
40MegaTech500	40	2-1/2	63	2.97	75.4	500	34	2,000	137	22.0	558	30
48MegaTech500	48	3	75	3.50	88.9	500	34	2,000	137	24.0	609	30

### Additional Product

Hose Type	Couplings and Ferrules					Associated Protective Product				
	Standard	Gates		Child		Wire Spring Guard	Spiral Guard	Heat Guard	Tex-Sleeve	Shrink Band Clamps
1 Piece Series		2 Piece Series Coupling	2 Piece Series Ferrule	2 Piece Series Coupling	2 Piece Series Ferrule					
24MegaTech500	24GL	24GSP	24GSP1F-2	S	FNP-24	HSG-14	SGX63	HTG-36	TEXS60	SB60
32MegaTech500	32GL	32GSP	32GSP1F-2	S	FNP-32	HSG-15A	SGX75	HTG-44	TEXS73	SB73
40MegaTech500	40GL	-	-	-	-	-	SGX79	HTG-64	TEXS85	SB79
48MegaTech500	48GL	-	-	-	-	-	SGX91	HTG-64	TEXS93	-