



Section 1

Hydraulic Hose

GMV Global MegaVac® Return Line & Suction hose

High Temp
135°C

Meets Flame Resistance Acceptance Designation MSHA 2G

Recommended For: Petroleum and water-base hydraulic fluids in suction lines or in low pressure return lines.

Standards: Meets or exceeds the requirements of SAE 100R4. Uses have the bend radius of SAE 100R4. Meets marine ABS with use of HeatGuard® high temp sleeve.

Tube: Black synthetic rubber specifically designed for resistance to high temperatures (Nitrile - Type C).

See *Characteristics Of Hose Stock Types*.

Reinforcement: Double spiral textile (braid for -12, -16 and -20) reinforced with a helical spiral-wire to prevent collapse.

Cover: Black synthetic rubber, oil- and abrasion-resistant (Neoprene - Type A).

See *Characteristics Of Hose Stock Types*.

Temperature Range: -40°F to +275°F (-40°C to +135°C) constant and +300°F (+149°C) intermittent (up to 10% of operating time).

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

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

Gates Global (GL) Couplings (-12 through -40)

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

Gates MegaCrimp® (G) Couplings (-12 through -20)

Child Super Crimp (S) Series Couplings (-12 through -32)

Use clamp over beaded coupling tails.

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	
12GMV	12	3/4	19	1.22	31.0	350	24	1,400	97	2.5	64	30.5
16GMV	16	1	25	1.45	36.8	300	21	1,200	83	3.0	76	30.5
20GMV	20	1-1/4	31	1.76	44.7	250	17	1,000	69	4.0	102	30.5
24GMV	24	1-1/2	38	1.95	49.5	160	11	640	44	5.0	127	30.5
32GMV	32	2	51	2.47	62.7	115	8	460	32	6.0	152	30.5
36GMV	36	2-1/4	57	2.76	70.1	90	6	360	25	7.0	178	30.5
40GMV	40	2-1/2	63	3.02	76.7	70	5	280	19	7.0	178	30.5
48GMV	48	3	76	3.51	89.1	60	4	240	17	9.0	229	30.5
56GMV	56	3-1/2	89	4.01	101.9	55	4	220	15	10.0	254	30.5
64GMV	64	4	100	4.51	114.6	55	4	220	15	12.0	305	30.5

Additional Product

Hose Type	Couplings and Ferrules							Associated Protective Product					
	Gates				Child			Wire Spring Guard	Spiral Guard	Heat Guard	Tex-Sleeve	Shrink Band Clamps	Hose Clamp
	Standard	1 Piece Series	1 Piece Series	2 Piece Series Coupling	2 Piece Series Ferrule	2 Piece Series Coupling	2 Piece Series Ferrule						
12GMV	12G	12GL	-	-	S	FNP-12	FSS-12	HSG-09	SGX32	HTG-26	TEXS36	SB34	TTBY30-33P
16GMV	16G	16GL	-	-	S	FNP-16	FSP-216	HSG-11	SGX40	HTG-32	TEXS44	SB34	TTBY36-39P
20GMV	20G	20GL	-	-	S	FNP-20	FSP-220	HSG-13	SGX50	HTG-34	TEXS53	SB48	TTBY44-47P
24GMV	-	24GL	24GSP	24GSP1F-2	S	FNP-24	FSP-424	HSG-14	SGX50	HTG-38	TEXS60	SB54	TTBY50-53P
32GMV	-	32GL	32GSP	32GSP1F-2	S	FNP-32	FSP-432	HSG-15A	SGX63	HTG-56	TEXS73	SB67	TTBY62-65P
36GMV	-	-	-	-	-	-	-	HSG-16	SGX90	HTG-64	TEXS85	SB73	TTBY68-73P
40GMV	-	40GL	-	-	-	-	-	-	SGX90	HTG-64	TEXS85	SB79	TTBY74-79P
48GMV	-	-	-	-	-	-	-	-	-	HTG-64	TEXS112	SB90	TTBY86-91P
56GMV	-	-	-	-	-	-	-	-	-	-	TEXS112	-	TTBY98-103P
64GMV	-	-	-	-	-	-	-	-	-	-	TEXS127	-	-