

Section 1 Hydraulic Hose



G1H 1-Wire Braid Hose - High Temp SAE 100R1 Type AT



Meets Flame Resistance Acceptance Designation MSHA 2G

Recommended For: High temperature medium pressure hydraulic oil lines.

Standards: Meets or exceeds the requirements of SAE 100R1 Type AT.



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

See *Characteristics Of Hose Stock Types*.

Reinforcement: One braid of high-tensile steel wire.

Cover: Black, oil-, abrasion-resistant synthetic rubber (CSM - Type M).

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 GlobalSpiral™ (GS) Couplings (-6 through -20)

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

Gates MegaCrimp® (G) Couplings (-4 through -20)

Child Super Crimp (S) Series Couplings (-4 through -32)

Child Ezi Crimp (E) Series Couplings (-4 through -12, excluding -10)

Child Field Fit (R) Series Couplings (-4 through -16, excluding -10)

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	
4G1H	4	1/4	6	0.53	13.5	2,750	189	11,000	758	4.0	102	134
6G1H	6	3/8	10	0.69	17.3	2,250	155	9,000	620	5.0	127	117
8G1H	8	1/2	12	0.80	20.3	2,000	137	8,000	551	7.0	178	100
10G1H	10	5/8	16	0.94	23.6	1,500	103	6,000	413	8.0	203	67
12G1H	12	3/4	19	1.10	27.7	1,250	86	5,000	344	9.5	241	67
16G1H	16	1	25	1.41	35.6	1,000	69	4,000	275	12.0	305	50
20G1H	20	1-1/4	31	1.71	43.4	925	64	3,700	255	16.0	406	36
24G1H	24	1-1/2	38	1.96	49.8	725	50	2,900	200	20.0	508	36
32G1H	32	2	51	2.51	63.8	600	41	2,400	166	25.0	635	36

Additional Product

Hose Type	Couplings and Ferrules								Associated Protective Product						
	Gates				Child				Wire Spring Guard	Spiral Guard	Heat Guard	Tex-Sleeve	Shrink Band Clamps	Life Guard	Life Guard Collar
	Standard	1 Piece Series	2 Piece Series	Ferrule	1 Piece Series	2 Piece Series	Field Fit								
4G1H	4G	-	-	E	S	FNP-04	R	BN1-04	HSG-02	SGX12	HTG-13	TEXS23	SB22	14LG4K	6SC4
6G1H	6G	6GS	6GS1F-2	E	S	FNP-06	R	BN1-06	HSG-03	SGX20	HTG-16	TEXS27	SB22	16LG3K	6SC4
8G1H	8G	8GS	8GS1F-2	E	S	FNP-08	R	BN1-08	HSG-04	SGX20	HTG-18	TEXS31	SB25	20LG3K	8SC4
10G1H	10G	10GS	10GS1F-2	-	S	FNP-10	-	-	HSG-06	SGX25	HTG-22	TEXS33	SB29	22LG3K	10SC4
12G1H	12G	12GS	12GS1F-2	E	S	FNP-12	R	BN1-12	HSG-09	SGX25	HTG-24	TEXS44	SB41	26LG3K	12SC4
16G1H	16G	16GS	16GS1F-2	-	S	FNP-16	R	BN1-16	HSG-11	SGX32	HTG-30	TEXS47	SB48	32LG3K	16SC4
20G1H	20G	20GS	20GS1F-2	-	S	FNP-20	-	-	HSG-13	SGX40	HTG-36	TEXS60	SB60	-	-
24G1H	-	24GSP	24GSP1F-2	-	S	FNP-24	-	-	HSG-14	SGX50	HTG-40	TEXS73	SB60	-	-
32G1H	-	32GSP	32GSP1F-2	-	S	FNP-32	-	-	HSG-15A	SGX63	HTG-64	TEXS93	SB73	-	-