



Section 1

Hydraulic Hose

C5C Hydraulic Hose - SAE 100R5

DOT FMVSS 106-74 Type All & SAE J1402 Type All for Air Brake Applications (-4 to -12)

Recommended For: Medium pressure hydraulic petroleum based oil lines in impulse applications, lube oil, air and water in applications such as air brakes, power steering (caution: intended for heavy duty commercial vehicle use only), turbocharger oil supplies, tilt cab cylinders, transmission coolant and filtration lines.

Standards: Meets or exceeds requirements of SAE 100R5 for traditional hydraulic applications, DOT FMVSS 106-74 Type All and SAE J1402 Type All for air brake applications (-4 to -12). Not recommended for gasoline or diesel fuel.



Tube: Black, oil- and heat-resistant synthetic rubber (Neoprene - Type A) (-4 and -5), (Nitrile - Type C) (-6 through -40).

See *Characteristics Of Hose Stock Types*.

Reinforcement: One braid of high-tensile carbon steel wire over one braid of polyester.

Cover: Black, oil- and mildew-resistant polyester braid.

See *Characteristics Of Hose Stock Types*.

Temperature Range: Under SAE 100R5 (hydraulic) conditions -40°F to +212°F (-40°C to +100°C). All-purpose fleet application (hot lube oil lines) -40°F to +300°F (-40°C to +149°C). Air to +160°F (+71°C) only. Avoid continuous use at maximum temperature concurrent with maximum working pressure.

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

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

Gates Field Fit (C5) Couplings

Gates Field Fit (C5X) Couplings

Child Super Crimp (S) Series Couplings (-5 to -12 only)

Child Power Crimp (P) Series Couplings (-4 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	
4C5C	4	3/16	5	0.52	13.2	3,000	206	12,000	827	3.0	76	134
5C5C	5	1/4	6	0.58	14.7	3,000	206	12,000	827	3.4	86	117
6C5C	6	5/16	8	0.67	17.0	2,250	155	10,000	689	4.0	101	117
8C5C	8	13/32	10	0.77	19.6	2,000	137	8,000	551	4.6	116	100
10C5C	10	1/2	12	0.92	23.4	1,750	120	7,000	482	5.5	139	83
12C5C	12	5/8	16	1.08	27.4	1,500	103	6,000	413	6.5	165	67
16C5C	16	7/8	22	1.23	31.2	800	55	3,200	220	7.4	187	50

Additional Product

Hose Type	Couplings and Ferrules			Associated Protective Product						
	Standard	Gates Field Fit Series	Child 2 Piece Series Coupling Ferrule	Wire Spring Guard	Spiral Guard	Heat Guard	Tex-Sleeve	Shrink Band Clamps	Life Guard	Life Guard Collar
4C5C										
5C5C	5C5X	S	FSP-204	HSG-02	SGX16	HTG-15	TEXS20	SB22	14LG3K	6SC4
6C5C	6C5	S	FSP-206A	HSG-03	SGX20	HTG-18	TEXS20	SB25	16LG3K	6SC4
8C5C	8C5X	S	FNP-06	HSG-04	SGX20	HTG-20	TEXS23	SB25	20LG3K	8SC4
10C5C	10C5	S	FSP-210	HSG-06	SGX25	HTG-22	TEXS27	SB29	22LG3K	10SC4
12C5C	12C5X	S	FNP-12	HSG-08	SGX32	HTG-24	TEXS33	SB34	26LG3K	12SC4
16C5C	16C5	-	-	HSG-10	SGX32	HTG-26	TEXS44	SB44	32LG3K	16SC4