

# 510C - General Hydraulic Hose Meets or Exceeds SAE 100R7 1000 to 3000 PSI



Part Number	I. D.		Max. O. D.		Max. Working Pressure		Min. Bend Radius		Weight		Crimp Fitting		80C Crimp Die	Field Attachable Fitting	
	#	inch	mm	inch	mm	wpsi	MPa	inch	mm	lbs/ft	kg/m	series	pg	crimp die	re
510C-2 (+)	1/8	3	0.34	9	2500	17.24	1/2	13	.031	.046	57	53-77	P02H	N/A	
510C-3	3/16	5	0.42	11	3000	20.68	3/4	19	.046	.069	55	53-77	P03	**	
510C-4	1/4	6	0.47	12	3000	20.68	1-1/2	38	.052	.077	55	53-77	P04J	**	
510C-5	5/16	8	0.57	14	2500	17.24	1-3/4	44	.075	.112	55	53-77	P05	51	44-52
510C-6	3/8	10	0.63	16	2250	15.51	2	51	.096	.143	55	53-77	P06	51	44-52
510C-8	1/2	13	0.81	21	2250	15.51	3	76	.148	.221	55	53-77	P08	51	44-52
510C-10	5/8	16	0.98	25	1500	10.34	4	102	.200	.298	58	78-102	P10H	N/A	
510C-12	3/4	19	1.08	27	1250	8.62	6	152	.188	.280	55	53-77	P12	51	44-52
510C-16	1	25	1.32	34	1000	6.90	8	203	.269	.401	55	53-77	P16	51	44-52

Min. Burst Pressure is 4x Max. Working Pressure

N/A = Not Available

**Tube:** Polyester  
**Reinforcement:** Fiber  
**Cover:** Proprietary Blend (PFX)  
**Cover Color:** Black, perforated  
**Temperature Range:** -40°F to +212°F  
 -40°C to +100°C

(Limited to +135°F [+57°C] for synthetic hydraulic fluids and water-based fluids)

**Vacuum Rating:** 28 inch Hg

**(Delta) Working Length @ Rated WPSI:** ±2% Max.

**Applications/Markets:**

Medium pressure service for permanent and field attachable fittings.

**Special Features:**

Superior abrasion resistance  
 \*\* 3/16" and 1/4" working pressure reduced to 3,000 and 2,750 psi respectively when using field attachable couplings

# 515H - Compact/Light Weight Hose 1500 to 2175 PSI



Part Number	I. D.		Max. O. D.		Max. Working Pressure		Min. Bend Radius		Weight		Crimp Fitting
	#	inch	mm	inch	mm	wpsi	MPa	inch	mm	lbs/ft	kg/m
515H-3	3/16	5	0.33	8	2175 (150)	15.00	3/4	19	.029	.043	54*
515H-4	1/4	6	0.41	10	2000 (135)	13.79	1-1/2	38	.035	.052	54*
515H-5	5/16	8	0.49	12	1750 (120)	12.07	1-3/4	44	.049	.073	54*
515H-6	3/8	10	0.56	14	1500 (103)	10.34	2	51	.052	.077	54*
515H-8	1/2	13	0.71	18	1500 (103)	10.34	3	76	.106	.158	54*

Min. Burst Pressure is 4x Max. Working Pressure

**Tube:** Polyester  
**Reinforcement:** Fiber  
**Cover:** Urethane  
**Cover Color:** Black Perforated  
**Temperature Range:** -40°F to +212°F  
 -40°C to +100°C

(Limited to +135°F [+57°C] for synthetic hydraulic fluids and water-based fluids)

**Vacuum Rating:** 28 inch Hg

**(Delta) Working Length @ Rated WPSI:** ±2% Max.

**Applications/Markets:**

Hydraulic and pneumatic systems where a small O.D. hose is necessary. Pilot lines and joystick controls

**Special Features:**

Lightweight, flexible, special order colors  
 Twin or multi-line available

\*Factory only assemblies

**Note:** The above hose(s) are not intended for use in static discharge applications; i.e., airless paint spray.

Hydraulic & Pneumatic Hose & Fit.

PTFE Hose & Fittings

Thermoplastic Tubing

Coiled Air Hose, Fittings & Accessories

Truck (Fleet) Products

Tooling & Equipment

Hose Accessories

Technical & Design Information

Approvals & Guides

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