

# 510C – General Hydraulic Hose



## Features

- Superior abrasion resistance
- Extreme flexibility
- Medium pressure service for permanent and field attachable fittings

## Certifications

- Meets or Exceeds SAE 100R7 except -2
- MSHA Accepted except -4

## Applications/Markets



- Medium pressure service for both field attachable and permanent fittings

Part Number	Nominal I.D.		Maximum O.D.		Maximum Working Pressure 73°F/ 23°C		Minimum Bend Radius		Weight		Vac. Rating Hg./73°F	Permanent Fitting Series	Field Attachable Series
	#	inch	mm	inch	mm	psi	MPa	inch	mm	lbs./ft.			
510C-2	1/8	3	.34	9	2,500	17.2	0.50	13	.03	.05	28	57	–
510C-3*	3/16	5	.43	11	3,250	22.4	0.75	19	.05	.07	28	55	51
510C-4*	1/4	6	.47	12	3,000	20.7	1.50	38	.05	.08	28	55	51
510C-5	5/16	8	.57	14	2,500	17.2	1.75	44	.08	.11	28	55	51
510C-6	3/8	10	.64	16	2,250	15.5	2.00	51	.10	.14	28	55	51
510C-8	1/2	13	.81	21	2,250	15.5	3.00	76	.15	.22	28	55	51
510C-10	5/8	16	.97	25	1,500	10.3	4.00	102	.20	.29	28	58	–
510C-12	3/4	19	1.09	28	1,250	8.6	5.00	127	.21	.31	28	55	51
510C-16	1	25	1.32	34	1,000	6.9	8.00	203	.27	.40	28	55	51

## Construction

Tube: Copolyester

Reinforcement: Fiber

Cover: Proprietary Blend (PFX)

## Operating Parameters

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)

Change in working length @ Rated WPSI: ±2%

Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

## Fittings

51 Series – pg. E-5

55 Series – pg. E-12

57 Series – pg. E-37

58 Series – pg. E-12

For Crimp Die Selection charts see pgs. G-30 : G-41

Crimp information can be found online, for most Parker products, at [www.parker.com/crimpsource](http://www.parker.com/crimpsource)

## Colors

- Black

## Notes

Perforated cover

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

51 Series field attachable couplings are not intended for use on hose that has previously been in service

For detailed ordering information, please consult price list or contact Parflex® Division.

Parker Hannifin Corporation | Parflex® Division | Ravenna, Ohio | [parker.com/pfd](http://parker.com/pfd)



A-35