

590 – General Hydraulic Hose



Features

- Two wire strength, one wire construction, improved bend radius results
- Twin and multi-line available
- Polyurethane cover for best abrasion resistance

Certifications

- Meets or Exceeds SAE 100R2 / 100R16
- MSHA Accepted

Applications/Markets



- Construction equipment, machine tools, hydrostatic transmission, refuse vehicles and agriculture equipment

Part Number	Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Vac. Rating Hg./73°F	Weight		Permanent Fitting Series
	inch	mm	inch	mm	psi	MPa	inch	mm		lbs./ft.	kg./mtr.	
#												
590-3	3/16	5	.44	11	5,000	34.5	1.50	38	28	.10	.15	55
590-4	1/4	6	.53	13	5,000	34.5	1.75	44	28	.14	.21	55
590-6	3/8	10	.65	17	4,000	27.6	2.25	57	28	.20	.30	55
590-8	1/2	13	.78	20	3,500	24.1	3.25	82	28	.26	.38	55
590-10	5/8	16	.98	25	3,000	20.7	6.00	152	28	.39	.57	58
590-12	3/4	19	1.11	28	2,500	17.2	7.00	178	28	.45	.67	58
590-16	1	25	1.43	36	2,000	13.8	8.00	203	28	.59	.88	58

Construction

Tube: Copolyester

Reinforcement: Aramid fiber, high tensile wire braid

Cover: Polyurethane

Operating Parameters

Temperature Range:

-40°F to +250°F (-40°C to +121°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

55 Series – pg. E-12

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

Colors

- Black

Notes

Non-perforated cover