

590 - General Hydraulic Hose Meets or Exceeds SAE 100R2 2000 to 5000 PSI



Part Number	I. D.		Max. O. D.		Max. Working Pressure		Min. Bend Radius		Weight		Crimp Fitting		80C Crimp Die
	#												
hose	inch	mm	inch	mm	wpsi	MPa	inch	mm	lbs/ft	kg/m	series	pg	crimp die
590-3	3/16	5	0.43	11	5000	34.47	1-1/2	38	.102	.152	55	53-77	P03
590-4	1/4	6	0.51	13	5000	34.47	1-3/4	44	.138	.206	55	53-77	P04
590-6	3/8	10	0.64	16	4000	27.58	2-1/4	57	.194	.289	55	53-77	P06
590-8	1/2	13	0.80	20	3500	24.13	3-1/4	82	.250	.373	55	53-77	P08J
590-10	5/8	16	0.97	25	3000	20.68	6	152	.386	.575	58	78-102	P10H
590-12	3/4	19	1.11	28	2500	17.24	7	178	.446	.665	58	78-102	P12H
590-16	1	25	1.42	36	2000	13.79	8	203	.592	.882	58	78-102	P16J

Min. Burst Pressure is 4x Max. Working Pressure

Tube: Polyester
Reinforcement: Aramid fiber, high tensile wire braid
Cover: Urethane
Cover Color: Black
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)

Vacuum Rating: 28 inch Hg

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

Applications/Markets:

Construction equipment, machine tools, hydrostatic transmissions, refuse vehicles and agriculture equipment.

Special Features:

Two wire strength, one wire construction, improved bend radius results
 Twin and multi-line available.

593 - General Hydraulic Hose Meets or Exceeds SAE 100R2 3000 to 3250 PSI



Part Number	I. D.		Max. O. D.		Max. Working Pressure		Min. Bend Radius		Weight		Crimp Fitting		Crimp Die
	#												
hose	inch	mm	inch	mm	wpsi	MPa	inch	mm	lbs/ft	kg/m	series	pg	crimp die
593-12	3/4	20	1.12	29	3000	20.68	7	177.8	.470	.700	LV	41	80C-P12L
593-16	1	25	1.45	37	3250	22.41	8	203.2	.687	1.024	LV	41	83C-P16L

Min. Burst Pressure is 4x Max. Working Pressure

Tube: Polyester- 16 Nylon- 12 Polyester
Reinforcement: Wire braid
Cover: Urethane
Cover Color: Black (non 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:

General hydraulic service

Special Features:

Works with synthetic hydraulic fluids, water and a range of chemicals
 Two wire strength with one braid flexibility

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