

# 580N/H580N/588N – High Pressure Hose



## Features

- Twin and multi-line available
- Lighter weight and smaller O.D. than 100R2



## Certifications

- Meets or Exceeds SAE 100R8 specifications
- 580N MSHA Approved
- 588N Meets SAE J517 for less than 50 micro-amperes leakage under 75,000 volts per foot

## Applications/Markets



- Hydraulic and pneumatic circuits and systems
- Replaces 100R2 rubber hose wherever greater flexibility, fluid compatibility, and cover durability are required

Part Number		Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Vac. Rating Hg./73°F	Weight		Permanent Fitting Series
#	#												
Natural	Non-Conductive	inch	mm	inch	mm	psi	MPa	inch	mm	inch	lbs./ft.	kg./mtr.	
580N-4	588N-4	1/4	6	.62	16	5,000	34.5	2.00	51	28	.11	.16	58
580N-6	588N-6	3/8	10	.77	20	4,000	27.6	2.50	64	28	.15	.22	58
580N-8	588N-8	1/2	13	.89	23	3,500	24.1	4.00	102	28	.21	.31	58
580N-10	588N-10	5/8	16	.98	25	2,750	19.0	6.00	152	28	.21	.31	58
580N-12	588N-12	3/4	19	1.15	29	2,250	15.5	8.00	203	28	.23	.35	58
580N-16	588N-16	1	25	1.47	37	2,000	13.8	10.00	254	28	.38	.56	58
H580N-16*	-	1	25	1.58	40	3,000	20.7	10.00	254	28	.53	.79	58H

## Construction

Tube: Nylon

Reinforcement: Fiber

Cover: Polyurethane

## Operating Parameters

Temperature Range:

-40°F to +212°F (-40°C to +100°C)

Change in working length @ Rated WPSI: ±2%

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

## Fittings

58 Series – pg. E-12

58H Series – pg. E-41

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

● Orange (Non-Conductive)

## Notes

Perforated cover - 580N

\*Non-perforated cover -588N, H580N-16