

# 580N/588N – SAE 100R8 High Pressure Hydraulic Hose

## Nylon Core Tube

Lighter weight and smaller O.D. than comparable hoses with same working pressure.



### Features

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

### Construction

- Tube: Nylon
- Reinforcement: Fiber
- Cover: Polyurethane

### Operating Parameters

- Temperature Range: -40°F (-40°C) to 212°F (100°C)
- Vacuum Rating: 28 inch Hg
- Change in length at Max. Working Pressure: +/-2%
- Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

### Compliance

- Meets/Exceeds SAE J517 100R8
- Meets SAE J517 electrical standards (non-conductivity) - 588N
- MSHA compliant cover - 580N
- DNV-GL Type Approved

### Fittings

- 56 Series – pg. E-33
- For most Parker products, Crimp Die Selection charts are found online at [www.parker.com/crimpsource](http://www.parker.com/crimpsource)
- Access instructions are on pg. G-3

### Notes

- Perforated cover - 580N
- \*Non-perforated cover - 588N

### Color

- ● Black - 580N
- ● Orange (non-conductive) - 588N

### Series 580N/588N

[Visit the webpage](#)

Part Number		Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Weight		Permanent Fitting Series
Non-Conductive		inch	mm	inch	mm	psi	MPa	inch	mm	lbs./ft.	kg/mtr	
580N-8	588N-8*	1/2	12.5	0.89	22.6	3,500	24.1	4	102.0	0.21	0.31	56
580N-10	588N-10*	5/8	16	0.98	24.9	2,750	19.0	6	152.0	0.21	0.31	56
580N-12	588N-12*	3/4	19	1.15	29.2	2,250	15.5	8	203.0	0.23	0.35	56
580N-16	588N-16*	1	25	1.47	37.3	2,000	13.8	10	254.0	0.38	0.56	56



### WARNING

This product can expose you to chemicals including Nickel compounds, which is known to the State of California to cause cancer, and Toluene, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).