

# 520N/528N – SAE 100R8 Hydraulic Hose

## Nylon Core Tube

Fast response with high density braid;  
available in twin-line constructions.



### Features

- Twin and multi-line available
- Fast response, lighter and smaller O.D. than 100R2 hose

### Construction

- Tube: Nylon
- Reinforcement: Aramid 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) - 528N
- MSHA compliant cover - 520N
- 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 - 520N
- Non-perforated cover - 528N

### Color

- ● Black - 520N
- ● Orange (non-conductive) - 528N

### Series 520N/528N

[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	
520N-3	528N-3	3/16	5	0.43	10.9	5,000	34.5	1-1/2	38.0	0.05	0.07	56
520N-4	528N-4	1/4	6.3	0.51	13.0	5,000	34.5	2	51.0	0.07	0.10	56
520N-5	528N-5	5/16	8	0.57	14.5	4,500	31.0	2-1/2	64.0	0.08	0.12	56
520N-6	528N-6	3/8	10	0.65	16.5	4,000	27.6	2-1/2	64.0	0.08	0.13	56
520N-8	528N-8	1/2	12.5	0.81	20.6	3,500	24.1	4	102.0	0.14	0.20	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).