

# 520N/528N – General Hydraulic Hose



## Features

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

## Certifications

- Meets or Exceeds SAE 100R8
- 520N MSHA Accepted
- 528N Meets SAE J517 for less than 50 micro-amps leakage under 75,000 volts per foot

## Applications/Markets



- Hydraulic and pneumatic circuits and systems
- Ideal in hot water applications
- Not suggested for use in over-the-sheave (pulley system) applications

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.	
520N-3	528N-3	3/16	5	.43	11	5,000	34.5	1.50	38	28	.05	.07	55
520N-4	528N-4	1/4	6	.51	13	5,000	34.5	2.00	51	28	.07	.10	55
520N-5	528N-5	5/16	8	.57	14	4,500	31.0	2.50	64	28	.08	.12	55
520N-6	528N-6	3/8	10	.65	17	4,000	27.6	2.50	64	28	.08	.13	55
520N-8	528N-8	1/2	13	.81	21	3,500	24.1	4.00	102	28	.14	.20	55
520N-10	528N-10	5/8	16	.92	23	2,750	19.0	6.00	152	28	.17	.25	55

## Construction

Tube: Nylon  
Reinforcement: Aramid 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

55 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](http://www.parker.com/crimpsource)

## Colors

- Black
- Orange (Non-Conductive)

## Notes

Perforated cover - 520N  
Non-perforated cover - 528N