

# 594TJ – TOUGHJACKET™ SAE 100R19 Hydraulic Hose

## Copolyester Core Tube - 4,000 psi

Four-spiral wire performance  
in a two-wire braid construction.



### Features

- Four-spiral wire hose performance in a high tensile two-wire braid construction
- Excellent flexibility
- Consistent long-lengths
- TOUGHJACKET Polyurethane cover for best abrasion resistance

### Construction

- Tube: Copolyester
- Reinforcement: One or two high tensile steel wire braids
- Cover: TOUGHJACKET Polyurethane™

### Operating Parameters

- Temperature Range:
  - Petroleum based hydraulic fluids and lubricating oils within a temperature range -40°F (-40°C) to 212°F (100°C)
  - Synthetic, synthetic blend, water, and water/oil emulsion hydraulic fluids limited to 185°F (85°C); \*\*594TJ-10 is limited to 135°F (57°C)
  - Water/glycol hydraulic fluids limited to 135°F (57°C)
- Vacuum Rating: 28 inch Hg
- Change in length at Max. Working Pressure:
  - 4 to -10: +/- 2%
  - 12: +2% to -4%
- Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

### Compliance

- Meets/Exceeds SAE 100R19 performance
- MSHA compliant cover

### Fittings

- 56 Series – pg. E-33 43 Series - Fittings available from Parker Hose Products Division
- 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

- Non-perforated cover
- \*Two wire braid

### Color

- ● Black



[Visit the webpage](#)

### Series 594TJ

Part Number	Nominal I.D.		Maximum O.D.		Maximum Working Pressure		Minimum Bend Radius		Weight		Permanent Fitting Series
	inch	mm	inch	mm	psi	MPa	inch	mm	lbs./ft.	kg/mtr	
594TJ-4	1/4	6.3	0.49	12.5	4,061	28.0	1-3/4	44.5	0.13	0.19	56
594TJ-6	3/8	10	0.64	16.3	4,061	28.0	2-1/2	63.5	0.19	0.28	56
594TJ-8*	1/2	12.5	0.85	21.5	4,061	28.0	3-1/2	88.9	0.39	0.59	43
594TJ-10* **	5/8	16	1.04	26.4	4,061	28.0	4	100.0	0.59	0.88	43
594TJ-12*	3/4	19	1.17	29.7	4,061	28.0	4-3/4	120.0	0.72	1.07	43



### WARNING

This product can expose you to chemicals including Antimony Oxide (Antimony Trioxide), which is known to the State of California to cause cancer, and 2-Imidazolidinethione, 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).