

Parflex TOUGHJACKET™ Hose - 594TJ

Four-spiral wire hose performance in a high tensile two-wire braid construction

With a 4,000 psi constant working pressure, the Parflex 594TJ (TOUGHJACKET™) hose is a cost effective hydraulic hose solution for the construction industry, especially for those working with telescoping boom applications requiring a durable and light weight bonded assembly solution.

The 594TJ hose can be provided in bonded twin-line and multi-line (up to ten hoses or 6" wide) configurations. Bonded hose constructions improve the overall management of the hose assembly by limiting the movement of the hose, preventing tangling in multiple hose applications, and by offering a compact system for easy installation and smooth operation. In addition, the bonded construction increases the overall strength of the assembly, eliminating the root causes that often lead to hose failure.



Contact Information:

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Product Features:

- 4,000 psi constant pressure
- Consistent long lengths
- Low length change under pressure
- TOUGHJACKET cover - 650x the abrasion resistance of standard rubber hose



- Lighter weight than rubber 100R19 hose
- Excellent flexibility
- Superior bend radius



ENGINEERING YOUR SUCCESS.

594TJ – TOUGHJACKET™ SAE 100R19 Hydraulic Hose



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

Compliance

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

Series 594TJ

[Visit the webpage](#)

Part Number	Nominal I.D.		Maximum O.D.		Max. Working Pressure 73°F/ 23°C		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	1-3/4	44.5	0.13	0.19	56
594TJ-6	3/8	10	0.64	16.3	4,061	28	2-1/2	63.5	0.19	0.28	56
594TJ-8*	1/2	12.5	0.85	21.5	4,061	28	3-1/2	88.9	0.39	0.59	43
594TJ-10* **	5/8	16	1.04	26.4	4,061	28	4	100	0.59	0.88	43
594TJ-12*	3/4	19	1.17	29.7	4,061	28	4-3/4	120	0.72	1.07	43

Construction

- Tube: Copolyester
- Reinforcement: One or two braids of High Tensile Steel
- Cover: TOUGHJACKET Polyurethane

Fittings

- 56 Series 43 Series
- For most Parker products, Crimp Die Selection charts are found online at www.parker.com/crimpsource

Operating Parameters

- Temperature Range:
 - Petroleum base hydraulic fluids and lubricating oils within 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: +/-2%
- Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

Notes

- Non-Perforated Cover
- *Two wire braid

Color

- ● Black