

Parflex 594 TOUGHJACKET™ Hose

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 10" 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:

Parker Hannifin Corporation
Parflex Division
1300 North Freedom St.
Ravenna, OH 44266
phone (330) 296 2871
fax (330) 296 8433
www.parker.com/parflex

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



ENGINEERING YOUR SUCCESS.

594TJ TOUGHJACKET™ Hydraulic Hose



Features

- Four-spiral wire hose performance in a high tensile two-wire braid construction
- Excellent flexibility
- Consistent long-lengths

Certifications

- Meets/Exceeds SAE 100R19
- MSHA Accepted

Applications/Markets



- Medium pressure hydraulic applications
- Agricultural Equipment
- Construction Equipment
- Lubricating Oils
- Transportation

[Visit the webpage](#)

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./m.	
#											
594TJ-4	1/4	6.3	0.49	12.5	4,061	28.0	1.75	45	0.13	0.20	56
594TJ-6	3/8	10	0.72	18.2	4,061	28.0	2.50	65	0.31	0.46	56
594TJ-8	1/2	13	0.85	21.5	4,061	28.0	3.50	90	0.39	0.58	43*
594TJ-10	5/8	16	1.04	26.4	4,061	28.0	3.94	100	0.59	0.88	43*

Construction

Tube: Copolyester

Reinforcement: Two braids of high tensile steel wire

Cover: Polyurethane TOUGHJACKET™

Operating Parameters

Temperature Range:

Petroleum base hydraulic fluids and lubricating oils
-40°F to +212°F (-40°C to +100°C)

Synthetic, synthetic blend, and water/oil emulsion hydraulic fluids up to +185°F (+85°C) (-4, -6, -8)

Water/glycol hydraulic fluids up 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)

Color

- Black

Fittings

56 Series

43 Series - (*43 Series Fittings available from Parker Hose Products Division)

Crimp information can be found online, for most Parker products, at www.parker.com/crimpsource

Parflex crimping details are just a click away.

Scan the QR code for assistance.



[READ THE BLOG](#)