

Parflex TOUGHJACKET™ Hose - 590TJ

Hose Delivers Low Length Change Under Pressure and Consistent Long Lengths



Designed to withstand the strains of demanding use, the Parflex 590TJ (TOUGHJACKET™) hose is the optimal solution for large-scale, heavy-duty applications, including construction equipment, agriculture equipment, transportation, and more. 590TJ is a compact, light weight hose handling temperatures from -40°F to +250°F and working pressures from 2,000 - 5,000 psi. The hose is designed to have a very low length change under pressure, making it an ideal solution for boom or cable track applications where long lengths are required.

The 590TJ TOUGHJACKET hose is available in twin-line or multi-line bonded configurations. These problem-solving assemblies simplify installations, allowing for a smooth operation, and improving the overall strength and stability of the hose. With a resilient, abrasion resistant cover and an extremely durable construction, this



TOUGHJACKET solution sets the bar for reducing maintenance costs and helping extend the life of heavy equipment.

Contact Information:

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Product Features:

- Low length change under pressure
- Consistent long lengths
- TOUGHJACKET cover - 650x the abrasion resistance of standard rubber hose
- Smaller O.D. than rubber 100R16 hose for easier routing
- Lighter weight than rubber 100R2 hose (23% to 42%)
- Two wire strength, one wire construction for improved bend radius
- Twin or multi-line hose/hose assembly production capabilities



ENGINEERING YOUR SUCCESS.

590TJ – TOUGHJACKET™ Hydraulic Hose



Features

- Two wire strength, one wire construction, improved bend radius results
- Low length change under pressure makes it an ideal solution for boom or cable track applications where long lengths are required
- TOUGHJACKET Polyurethane cover for best abrasion resistance
- Twin or multi-line hose/hose assembly production capabilities

Compliance

- MSHA compliant cover

Series 590TJ

[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	
590TJ-4*	1/4	6.3	0.49	12.5	5076	35	1-3/4	44.5	0.13	0.20	56
590TJ-6*	3/8	10.0	0.64	16.3	4061	28	2-1/4	57.2	0.19	0.29	56
590TJ-8	1/2	12.5	0.77	19.5	3553	25	3-1/4	82.6	0.24	0.36	56
590TJ-12	3/4	19.0	1.08	27.3	2500	17	4-3/4	120.0	0.39	0.58	43
590TJ-16*	1	25.0	1.42	36.0	2030	14	6	150.0	0.71	1.06	43

Construction

- Tube: Copolyester
- Reinforcement: One or two high tensile steel wire braids
- 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 250°F (121°C)
 - Synthetic, synthetic blend, water, and water/oil emulsion hydraulic fluids limited to 185°F (85°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

