

Parflex TOUGHJACKET™ Hose - 563TJ

100R17 Hose is Unmatched in Long Continuous Lengths, Light Weight and Compact O.D. Size



Designed to withstand the strains of demanding use, the Parflex 563TJ (TOUGHJACKET™) hose is the optimal solution for large-scale, heavy-duty applications, including construction equipment, agriculture equipment, transportation, and more. 563TJ is a compact, light weight 3,000 psi hose rated from -40°F to +250°F. 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 563TJ TOUGHJACKET hose is available in twin-line and multi-line bonded configurations. These problem-solving assemblies simplify the installation process, allow for smooth operation, and improve the overall strength and stability of the hose to eliminate many of the problems that lead to hose failure.



With a resilient, abrasion resistant cover and a 3,000 psi constant working pressure, this TOUGHJACKET solution has the ability to transform and enhance current systems.

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:

- 3,000 psi constant pressure
- Consistent long lengths
- Low length change under pressure
- TJ cover - 650x the abrasion resistance of standard rubber hose
- Size -4 and -6 available with quick connect 56 series rapid assembly fittings for quicker installations
- 23% to 42% lighter weight than rubber 100R17 hose
- Smaller O.D. than rubber 100R17 hose for easier routing
- Excellent flexibility
- Superior bend radius
- Multi-line bonded assemblies available

ENGINEERING YOUR SUCCESS.

563TJ – TOUGHJACKET™ SAE 100R17 Hydraulic Hose



Features

- Low length change under pressure makes it an ideal solution for boom or cable track applications where long lengths are required
- Up to 5% smaller O.D. than comparable 100R17 hoses
- Up to 42% lighter than comparable 100R17 hoses
- Excellent flexibility
- Consistent long-lengths
- TOUGHJACKET Polyurethane cover for best abrasion resistance

Compliance

- Meets/Exceeds SAE J517 100R17 performance
- MSHA compliant cover

Series 563TJ

[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	
563TJ-4*	1/4	6.3	0.47	11.9	3,045	21	1-1/2	38.1	0.09	0.14	56
563TJ-6*	3/8	10	0.64	16.3	3,045	21	2	50.8	0.19	0.29	56
563TJ-8	1/2	12.5	0.77	19.5	3,045	21	2-3/4	69.9	0.24	0.36	56
563TJ-10	5/8	16	0.97	24.6	3,045	21	3-1/2	88.9	0.40	0.6	43
563TJ-12	3/4	19	1.12	28.3	3,045	21	4-1/4	108	0.55	0.82	43
563TJ-16	1	25	1.45	36.9	3,045	21	6	150	0.88	1.31	43

Construction

- Tube: Copolyester
- Reinforcement: High Tensile Steel Wire Braid
- 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% to -4%
- Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

Notes

- *Available with 56 Rapid Assembly Fittings for quicker installations
- Non-Perforated Cover
- For a lower temperature working hose -70°F (-57°C), see 563LT

Color

- ● Black

