

Parflex 563TJ TOUGHJACKET™ Hose 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.



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Product Features:

- 3,000 psi constant pressure
- Consistent long lengths
- Low length change under pressure
- TOUGHJACKET cover - 650x the abrasion resistance of standard rubber hose
- 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™ Hydraulic Hose



Features

- Low length change under pressure makes it an ideal solution for boom or cable track applications where long lengths are required
- 2%-5% smaller O.D. than comparable 100R17 hoses
- 23%-42% lighter than comparable 100R17 hose
- Excellent flexibility
- Consistent long-lengths

Certifications

- Meets/Exceeds SAE 100R17
- MSHA Accepted

Applications/Markets



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

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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.	
#											
563TJ-4	1/4	6.3	0.47	11.9	3,045	21.0	1.50	38	0.09	0.14	56
563TJ-6	3/8	10	0.64	16.3	3,045	21.0	2.00	51	0.19	0.29	56
563TJ-8	1/2	13	0.76	19.3	3,045	21.0	2.75	70	0.24	0.36	56

Construction

Tube: Copolyester

Reinforcement: Single braid of high tensile steel wire

Cover: Polyurethane TOUGHJACKET™

Operating Parameters

Temperature Range:

Petroleum base hydraulic fluids and lubricating oils
-40°F to +250°F (-40°C to +121°C)

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

Water/glycol hydraulic fluids up to +135°F (+57°C)

Vacuum Rating: 28 inch Hg

Change in length at Max. Working Pressure: +/-1%

Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

Color

- Black

Fittings

56 Series

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.



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