

563TJ – TOUGHJACKET™ SAE 100R17 Hydraulic Hose

Copolyester Core Tube - 3,000 psi

Lowest length change under pressure (+/- 1%).



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
- Twin or multi-line hose/hose assembly production capabilities

Compliance

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

Construction

- Tube: Copolyester
- Reinforcement: One or two high tensile steel wire braids
- Cover: TOUGHJACKET Polyurethane

Fittings

- 56 Series – pg. E-33
- For most Parker products, Crimp Die Selection charts are found online at www.parker.com/crimpsource
- Access instructions are on pg. G-3

Operating Parameters

- Temperature Range:
 - Petroleum based hydraulic fluids and lubricating oils within a 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:
 - 4 to -8: +/- 1%
 - 10 to -16: +/- 2%
- Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)

Notes

- Non-Perforated Cover
- For a lower temperature working hose -70°F (-57°C), see 563LT
- *Two wire braid

Color

- ● Black



Series 563TJ

[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/mtr	
563TJ-4	1/4	6.3	0.47	11.9	3,045	21.0	1-1/2	38.1	0.09	0.14	56
563TJ-6	3/8	10	0.64	16.3	3,045	21.0	2	50.8	0.19	0.29	56
563TJ-8	1/2	12.5	0.77	19.5	3,045	21.0	2-3/4	69.9	0.24	0.36	56
563TJ-10*	5/8	16	0.97	24.6	3,045	21.0	3-1/2	88.9	0.40	0.60	43
563TJ-12*	3/4	19	1.12	28.3	3,045	21.0	4-1/4	108.0	0.55	0.82	43
563TJ-16*	1	25	1.45	36.9	3,045	21.0	6	150.0	0.88	1.31	43



WARNING

This product can expose you to chemicals including Antimony Oxide [Antimony Trioxide], which is known to the State of California to cause cancer, and 2-Imidazolidinethione, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.