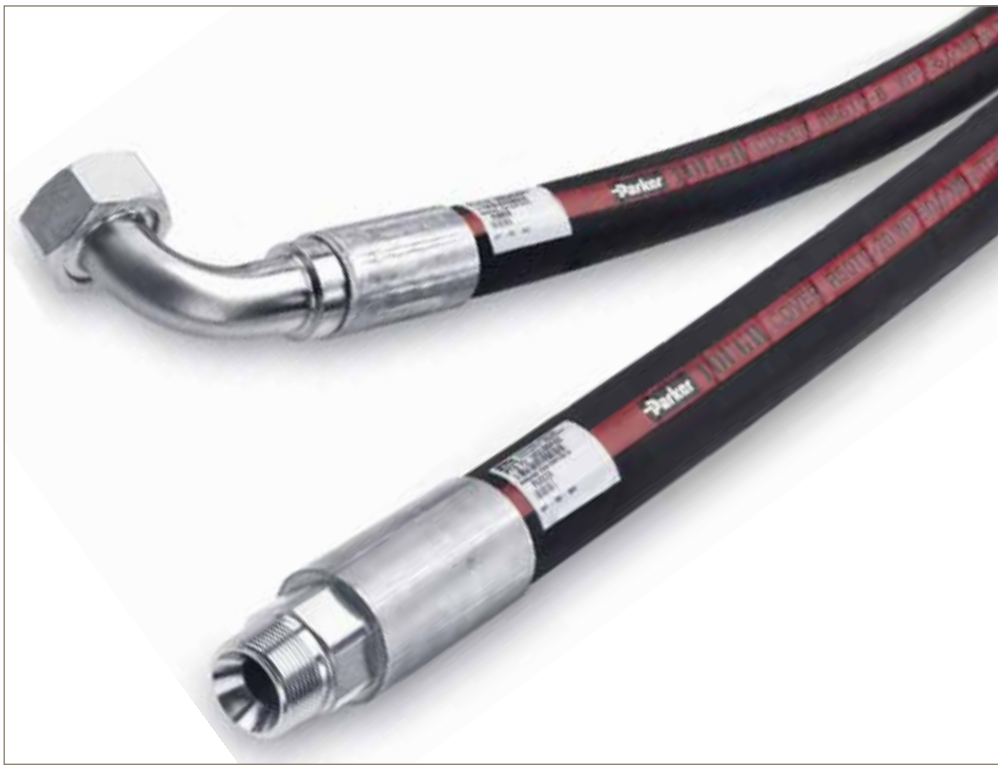
ParLock Multispiral Hose R50TC/R56TC

50.0 MPa/56.0 MPa
for Extreme Pressure

Extra strong hoses for high performance

New hydrostatic drives require increased performance and higher pressure rates but with the same size of hydraulic hose.
The new ParLock R50TC/R56TC hoses offer high performance in this application for various kinds of mobile equipment, such as agricultural machinery, materials handling equipment, construction and mining machines.
The flexible hose construction with 4-spiral up to size 16 and 6-spiral in size 20 allows installation even in tight spaces.
The use of 8000 psi flanges combined with the Interlock design withstands high working pressures and pulse rates and finally ensures the highest safety level.



Contact

Parker Hannifin Ltd.
Tachbrook Park Drive
Tachbrook Park
Warwick CV34 6TU
United Kingdom

phone **+44 (0)1926 317 878**

www.parker.com

Product Features

- Outstanding performance in terms of working pressure 50.0 MPa/56.0 MPa
- Impulse tested to 1 Mio. cycles at 120 % working pressure
- Excellent flexibility combined with a bend radius according to SAE 100 R15
- Manufactured with the highly abrasion resistant MSHA approved Parker Tough Cover (TC)
- Reinforcement of four or six high tensile steel wires
- Interlock technology
- Hose is suitable for temporary immersion in mineral oil up to 70 °C with frequent inspections

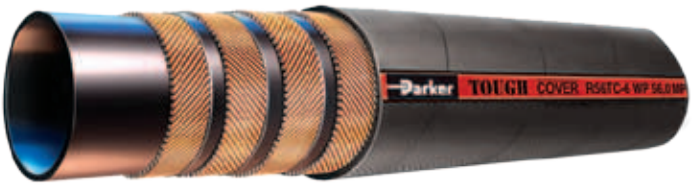
ENGINEERING YOUR SUCCESS.

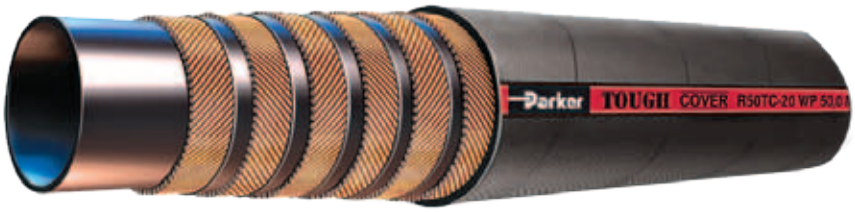
R50TC/R56TC ParLock Multispiral

Exceeds ISO 3862 Type R15 – Parker Specifications

Part Number	Hose I.D.				Hose O.D.	Pressure Rating: max. working pressure		Pressure Rating: min. burst pressure		min. bend radius	weight
	DN	Inch	Size	mm	mm	MPa	psi	MPa	psi	mm	kg
R56TC-4	6	1/4	-4	6.4	18.1	56.0	8100	224.0	32400	120	0.80
R56TC-6	10	3/8	-6	9.5	21.8	56.0	8100	224.0	32400	130	1.10
R56TC-8	12	1/2	-8	12.7	25.6	56.0	8100	224.0	32400	180	1.40
R50TC-10	16	5/8	-10	15.9	28.5	50.0	7250	200.0	29000	225	1.50
R50TC-12	19	3/4	-12	19.1	32.0	50.0	7250	200.0	29000	270	1.85
R50TC-16	25	1	-16	25.4	38.4	50.0	7250	200.0	29000	300	2.70
R50TC-20	31	1 1/4	-20	31.8	52.6	50.0	7250	200.0	29000	450	5.00

Replace the hose when any deformation or damage on the hose cover are visible.
The combination of high temperature and high pressure could reduce the hose life.





Primary Applications
Mobile hydraulic equipment and agricultural machines with typically large constructions.

Applicable Specifications
Exceeds ISO 3862 Type R15 – Parker Specifications

Hose Construction
Inner tube:
Synthetic rubber

Reinforcement:
Four spirals of high-tensile steel wire from size -4 to -16 and six spirals only for size -20.

Cover:
High abrasion resistance, MSHA approved synthetic rubber

Temperature Range
-40 °C up to +100 °C
exception air max. +70 °C
exception water max. +85 °C

Recommended Fluids
Petroleum and water-glycol based fluids, lubricating oils, air and water.
For air above 1.7 MPa, the hose cover must be pin-pricked.

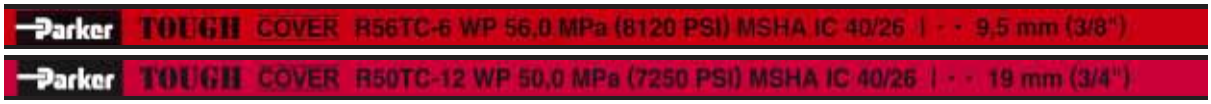
Fittings Series
Internal and external skiving

R56TC-4 up to R56TC-8 **V5**

R50TC-10 up to -16 **V4**

R50TC-20 **V6**

Hose layline example



Productinformation BUL/4400-P17/UK 2016-03
punctum

ENGINEERING YOUR SUCCESS.