

**High Pressure**  
High abrasion resistance

**ParLock Hose**  
R42TC

## R42TC

### ParLock Multispiral

Exceeds ISO 3862 Type R15 – Parker Specifications

#### Primary Applications

General high pressure hydraulic applications

#### Type Approvals

Details please find on pages **Ab-16** to **Ab-19**

#### Applicable Specifications

Exceeds ISO 3862 Type R15 – Parker Specifications

#### Construction

Inner Tube: Synthetic rubber  
Reinforcement: Four or six spirals high-tensile steel wire  
Cover: Highly abrasion resistance  
MSHA approved synthetic rubber

Temperature Range ..... -40 °C up to +125 °C

Exception: Air ..... max. +70 °C  
Water ..... max. +85 °C



- Interlock technology
- Reinforcement of four or six high tensile steel wires
- Constant working pressure of 42.0 MPa
- Highly abrasion resistant **TOUGH COVER**
- MSHA approved
- Hose is suitable for temporary immersion in mineral oil up to 70 °C with frequent inspections

#### Recommended Fluids

Hydraulic fluids on a mineral-oil basis, water-glycol and lubricating oils, air and water. For air and gas applications with a pressure exceeding 1.7 MPa, the cover must be pin-pricked. Consult the chemical compatibility section on pages **Ab-26** to **Ab-34** for more detailed information.

#### Fitting Series

Internal and external skiving (size -10, -12, -16)



Internal and external skiving (size -20, -24, -32)



Part Number	Hose I.D.				Hose O.D. mm	Pressure Rating				min. bend radius mm	weight kg
	DN	Inch	Size	mm		max. working pressure MPa	psi	min. burst pressure MPa	psi		
R42TC-10	16	5/8	-10	15.9	28.50	42.0	6000	168.0	24000	225	1.39
R42TC-12	19	3/4	-12	19.1	32.00	42.0	6000	168.0	24000	280	1.70
R42TC-16	25	1	-16	25.4	39.00	42.0	6000	168.0	24000	300	2.30
R42TC-20	31	1 1/4	-20	31.8	50.75	42.0	6000	168.0	24000	400	3.80
R42TC-24	38	1 1/2	-24	38.1	57.00	42.0	6000	168.0	24000	500	4.80
R42TC-32	51	2	-32	50.8	71.50	42.0	6000	168.0	24000	700	7.00

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.

Hose layline example

**Parker TOUGH COVER R42TC-32 WP 42.0 MPa (6000 PSI) MSHA IC 40/26 | · ISO 3862 - SAE100R**



Dab-29

Catalogue 4400/UK

ParLock Hose