

**High Pressure**  
High abrasion resistance

**ParLock Hose**  
R35TC/RS35TC-48

## R35TC/RS35TC-48

### ParLock Multispiral

Exceeds ISO 3862 Type R13 –  
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 R13 – Parker Specifications

#### Construction

Tube: Synthetic rubber  
Reinforcement: Four or six spirals high-tensile steel wire  
Cover: High 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 35.0 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

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

Consult the chemical compatibility section on pages **Ab-22** to **Ab-30** for more detailed information.

Part Number	 Hose I.D.				 Hose O.D.	Pressure Rating				 min. bend radius	 weight
	DN	Inch	Size	mm	mm	 max. working pressure		 min. burst pressure			
						MPa	psi	MPa	psi		
R35TC-12	19	3/4	-12	19.1	32.00	35.0	5000	140.0	20000	220	1.5
R35TC-16	25	1	-16	25.4	39.35	35.0	5000	140.0	20000	280	2.2
R35TC-20	31	1 1/4	-20	31.8	45.50	35.0	5000	140.0	20000	380	2.6
R35TC-24	38	1 1/2	-24	38.1	57.30	35.0	5000	140.0	20000	480	4.8
R35TC-32	51	2	-32	50.8	71.10	35.0	5000	140.0	20000	600	6.7
R35TC-40	63	2 1/2	-40	63.5	84.50	35.0	5000	140.0	20000	800	9.0
RS35TC-48	76	3	-48	76.2	96.00	35.0*	5000*	88.0	12750	900	10.0
RS35TC-48	76	3	-48	76.2	96.00	21.0**	3040**	88.0	12750	900	10.0

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.

\* 35 MPa: Static applications according to ISO 6807-D

\* 21 MPa: Dynamic hydraulic application safety factor > 4:1

Hose layline example

**Parker TOUGH COVER R35TC-12 WP 35,0 MPa (5000 PSI) MSHA IC 40/26 | • • EXCEED ISO3862 - SAE100F**

**Parker TOUGH COVER RS35TC-48 WP 35,0 MPa (5000 PSI) ISO 6807-D Safety factor 2,5:1 MSHA IC 40/26 | • • 76 mm (3") - Dynamic WP 21.0 MPa (3040 PSI) Safety factor 4:1**