# R35TC/RS35TC-48

## ParLock Multispiral

Exceeds ISO 3862 Type R13 –
Parker Specifications




- 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

### 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

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

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

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

### 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 -12 up to -20) V4

Internal and external skiving (size -24 up to -48) V6

| 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 |
| 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 design factor > 4:1

### Hose layline example








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