

R35

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

Exceed ISO 3862 Type R13 – Parker Specification

Construction

- Inner tube: Synthetic rubber
- Reinforcement: Four or six spiral high-tensile steel wire
- Cover: 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 spiral high-tensile steel wire
- Constant working pressure of 35.0 MPa

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, -16, -20)



Internal and external skiving (size -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		min. burst pressure			
						MPa	psi	MPa	psi		
R35-12	19	3/4	-12	19.1	32.00	35.0	5000	140.0	20000	220	1.5
R35-16	25	1	-16	25.4	39.35	35.0	5000	140.0	20000	280	2.2
R35-20	31	1 1/4	-20	31.8	45.50	35.0	5000	140.0	20000	380	2.6
R35-24	38	1 1/2	-24	38.1	57.30	35.0	5000	140.0	20000	480	4.8
R35-32	51	2	-32	50.8	71.10	35.0	5000	140.0	20000	600	6.7

The combination of high temperature and high pressure could reduce the hose life.

Hose layline example



R35TC/RS35TC-48

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Primary Applications

General high pressure hydraulic applications

Type Approvals

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

Applicable Specifications

Exceed ISO 3862 Type R13 – Parker Specification

Construction

- Inner tube: Synthetic rubber
- Reinforcement: Four or six spiral 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 spiral high-tensile steel wire
- 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

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. mm	Pressure Rating				min. bend radius mm	weight kg
	DN	Inch	Size	mm		max. working pressure MPa	psi	min. burst pressure 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 design factor > 4:1

Hose layline example

