R42ST

ParLock Multispiral

Exceeds ISO 3862 Type R15 –
Parker Specifications



- Interlock technology
- Extreme abrasion resistant SUPER TOUGH cover
- Reinforcement of four or six high tensile steel wires
- Constant working pressure of 42.0 MPa

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: Synthetic rubber
with a special polyethylene coating

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 -10, -12, -16) V4
Internal and external skiving (size -20, -24, -32) 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
R42ST-10	16	5/8	-10	15.9	28.50	42.0	6000	168.0	24000	225	1.39
R42ST-12	19	3/4	-12	19.1	32.00	42.0	6000	168.0	24000	280	1.70
R42ST-16	25	1	-16	25.4	39.00	42.0	6000	168.0	24000	300	2.30
R42ST-20	31	1 1/4	-20	31.8	50.75	42.0	6000	168.0	24000	400	3.80
R42ST-24	38	1 1/2	-24	38.1	57.00	42.0	6000	168.0	24000	500	4.80
R42ST-32	51	2	-32	50.8	71.50	42.0	6000	168.0	24000	700	7.00

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

Hose layline example

Parker SUPER TOUGH R42ST-20 WP 42.0 MPa (6000 PSI) MSHA IC 111/3 I · · 31.5 mm (1 1/4)

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