# 441RH

## *No-Skive* Compact

Fire-retardant cover




- *No-Skive* hose construction
- One wire braid construction – two wire braid performance
- +125 °C working temperature
- Suitable with 46 & 48 series fittings
- Fire-retardant cover
- Railway approved as follow: European Standard EN45545 + ISO15540: HL2 (without the need of FS-F-Fire Sleeve)

### Primary Applications

General medium-pressure hydraulic and pneumatic systems as well as water and oil cooling circuits

### Type Approvals

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

### Applicable Specifications

Parker specification; Working pressure to SAE 100R2; Bend radius to SAE 100R16

### Construction

Tube: Synthetic rubber
Reinforcement: One high-tensile steel wire braid
Cover: Fire retardant synthetic rubber

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

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

### Recommended Fluids

Petroleum and water-glycol based fluids, lubricating oils, air and water. For air and gas 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.

### Fitting Series

46 48

| 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 |
| 441RH-4 | 6 | 1/4 | -4 | 6.4 | 13.4 | 35.0 | 5000 | 140.0 | 20000 | 50 | 0.27 |
| 441RH-5 | 8 | 5/16 | -5 | 7.9 | 15.0 | 29.7 | 4250 | 118.8 | 17000 | 55 | 0.32 |
| 441RH-6 | 10 | 3/8 | -6 | 9.5 | 17.4 | 28.0 | 4000 | 112.0 | 16000 | 65 | 0.42 |
| 441RH-8 | 12 | 1/2 | -8 | 12.7 | 20.7 | 24.5 | 3500 | 98.0 | 14000 | 90 | 0.50 |
| 441RH-10 | 16 | 5/8 | -10 | 15.9 | 23.8 | 19.2 | 2750 | 76.8 | 11000 | 100 | 0.65 |
| 441RH-12 | 19 | 3/4 | -12 | 19.1 | 27.8 | 15.7 | 2250 | 62.8 | 9000 | 120 | 0.80 |
| 441RH-16 | 25 | 1 | -16 | 25.4 | 35.8 | 14.0 | 2000 | 56.0 | 8000 | 150 | 1.22 |

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

Hose layline example

Parker RAIL HOSE 441RH-10 WP 19.2 MPa (2750 PSI) | · · DN 16 (5/8) - ISO1436-1





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