

# 477RH

## Elite No-Skive PowerLift

2 wire braided with fire-retardant cover



- **No-Skive** hose construction
  - Compact design
- Smaller bend radius and reduced outside diameter
- Fire-retardant cover
- Railway approved:
  - European Standard EN45545 HL2 for R22 (internal) and HL3 for R23 (external)

### Primary Applications

For general medium pressure hydraulic and demanding bending radii applications such as lifting equipment.

### Type Approvals

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

### Restrictions

Should not be used for high impulse hydraulic applications to replace spiral construction hoses.

### Construction

Inner Tube: Nitrile (NBR)  
Reinforcement: Two high-tensile steel wire braids  
Cover: Fire retardant synthetic rubber

Temperature Range ..... -40 °C up to +100 °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



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		
477RH-4	6	1/4	-4	6.4	13.1	45.0	6500	180.0	26000	65	0.32
477RH-5	8	5/16	-5	7.9	14.9	42.5	6100	170.0	24400	70	0.35
477RH-6	10	3/8	-6	9.5	17.2	40.0	5800	160.0	23200	75	0.42
477RH-8	12	1/2	-8	12.7	20.4	38.0	5500	152.0	22000	105	0.55
477RH-10	16	5/8	-10	15.9	23.4	35.0	5000	140.0	20000	160	0.65
477RH-12	19	3/4	-12	19.1	27.2	35.0	5000	140.0	20000	200	1.10
477RH-16	25	1	-16	25.4	34.8	28.0	4000	112.0	16000	250	1.34

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

### Hose layline example

**Parker** 477RH-8 WP 38,0 MPa (5500 PSI) I° - EN 45545 - 12,5 mm (1/2") MADE IN ITALY