797RH

No-Skive Compact Spiral™

Fire-retardant cover



- 1/2 the bend radius of SAE 100R15
- Constant working pressure of 42.0 MPa
- Reduced O.D. and new construction lead to superior flexibility
- 1/3 less effort to bend
- Weight reduction – up to 26 %
- Railway approved:
  - European Standard EN45545 HL2 for R22 (internal) and R23 (external)

Primary Applications

General high pressure hydraulic circuits for railway applications.

Type Approvals

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

Applicable Specifications

Exceeds SAE 100R15 - ISO 3862 Type R15 - ISO 18752-DC

Construction

Inner Tube: Proprietary synthetic rubber
Reinforcement: Four spirals high-tensile steel wire
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 base hydraulic fluids and lubricating oils. Wide Compatibility exceeding Column III, with additional chemical resistance, especialy for diesel and biodiesel. Consult the chemical compatibility section on pages ***Ab-26*** to ***Ab-34*** for more detailed information.

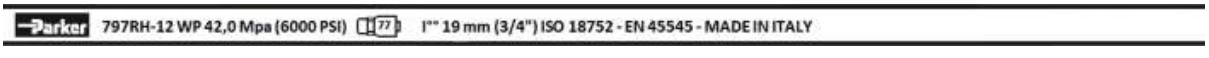
Fitting Series



Part Number	Hose I.D.				Hose O.D.	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
797RH-8	12	1/2	-8	12.7	21.1	42.0	6000	168.0	24000	100	0.67
797RH-10	16	5/8	-10	15.9	23.9	42.0	6000	168.0	24000	115	0.80
797RH-12	19	3/4	-12	19.1	27.9	42.0	6000	168.0	24000	135	1.16
797RH-16	25	1	-16	25.4	35.7	42.0	6000	168.0	24000	165	1.74

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.

Hose layline example



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