421RH

No-Skive

Fire-retardant cover



- *No-Skive* thin cover hose construction
- Nitrile (NBR) inner tube
  – extended fluid compatibility
- Suitable with 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

EN 853 1SN – ISO 1436 Typ 1 – SAE 100R1AT

Construction

Tube: Nitrile (NBR)
Reinforcement: One high-tensile steel wire braid
Cover: Fire retardant synthetic rubber

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



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
421RH-20	31	1 1/4	-20	31.8	44.8	6.3	900	25.0	3600	420	1.19
421RH-24	38	1 1/2	-24	38.1	51.1	5.0	725	20.0	2900	500	1.49
421RH-32	51	2	-32	50.8	64.7	4.0	575	16.0	2300	630	2.23

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

Hose layline example

Parker RAIL HOSE 421RH-24 WP 5.0 MPa (725 PSI) | · · DN 38 (1.1/2) - ISO1436-1

Tel: +45 63 12 83 00 | Email: ps@hymatik.com | www.hymatik.com | Hvidkaervej 27a, DK-5250 Odense SV, Denmark