

421RH

No-Skive Hose with Fire-Retardant Cover for European Rail Transportation



Customer Value Proposition:

The fire-retardant special rubber cover of the 421RH hose contributes to increased safety in rail transportation as it minimises the release of harmful substances in the case of fire. Its nitrile inner tube provides high chemical resistance, including biodegradable hydraulic oils. The 421RH hose complements the medium pressure range of the RH hose series with larger nominal diameters.



Product Features:

- *No-Skive* hose
- Fire retardant special rubber hose cover
- Nitrile (NBR) inner tube with high chemical resistance. Also resistant against biodegradable oils
- Suitable for use with *No-Skive* Parkrimp fittings of the 48 series – safe and reliable
- *No-Skive* design eliminates the need to remove the cover before crimping

Certifications

- German Standard DIN 5510-2 (05/2009)
- French Standard NF F 16-101
- British Standard BS 6853



ENGINEERING YOUR SUCCESS.

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Part Number	Hose I.D.				Hose O.D. mm	Pressure Rating				min. bend radius mm	weight kg
	DN	Inch	Size	mm		max. working pressure		min. burst pressure			
						MPa	psi	MPa	psi		
421RH-20	32	1.1/4	-20	31,8	44,8	6,3	900	25,0	3600	420	1,19
421RH-24	40	1.1/2	-24	38,1	51,1	5,0	725	20,0	2900	500	1,49
421RH-32	50	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.

Primary Applications/ Restrictions

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

Temperature Range

-40 °C up to +100 °C
 exception air max. +70 °C
 exception water max. +85 °C

Applicable Specifications

EN 853 1SN – ISO 1436 Typ 1 – SAE100R1AT

Hose Construction

Tube: Nitrile (NBR)

Reinforcement:

One braided layer of highly tensile steel wire

Cover: Fire retardant synthetic rubber

Recommended Fluids

Hydraulic fluids based on petroleum or water-glycol, lubricant oils, air and water. For air and gas applications at pressures exceeding 1.7 MPa, the cover needs to be perforated.

For further information please refer to the chemical compatibility section on pages Ab-22 to Ab-30 in catalogue 4400.

Fittings Series



Parkrimp series fittings and crimpers

The 421RH hose can be assembled with fittings of the 48 series and the hose crimpers of the Parkrimp system – the portable KarryKrimp for assembly on site, the stationary Parkrimp® 2 for large workshops and the fast operation PHastkrimp®. A wide range of fittings with over 60 end configurations together with Parker hose and Parker hose crimpers allow safe and easy assembly – no matter where or when.