

421RH

No-Skive

Fire-retardant cover

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

Inner 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



- *No-Skive* thin cover hose construction
- Nitrile (NBR) inner tube
– extended fluid compatibility
- Suitable with 48 series fittings
- Fire-retardant cover
- Railway approved:
 - European Standard EN45545
HL2 for R22 (internal) and R23 (external)
 - ISO 15540

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.

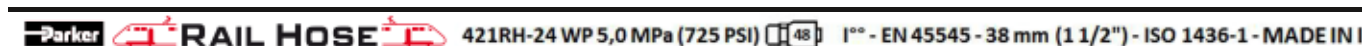
Fitting Series



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		
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



421SN

No-Skive

EN 853 1SN – ISO 1436 Type 1

Primary Applications

General medium pressure hydraulic applications

Type Approvals

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

Applicable Specifications

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

Construction

Inner tube: Nitrile (NBR)

Reinforcement: One high-tensile steel wire braid

Cover: Synthetic rubber

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

Exception: Air max. +70 °C

Water max. +85 °C



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

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		
421SN-4	6	1/4	-4	6.4	13.4	22.5	3250	90.0	13000	100	0.24
421SN-5	8	5/16	-5	7.9	15.0	21.5	3125	86.0	12500	115	0.27
421SN-6	10	3/8	-6	9.5	17.4	18.0	2600	72.0	10400	130	0.34
421SN-8	12	1/2	-8	12.7	20.7	16.0	2325	64.0	9300	180	0.43
421SN-10	16	5/8	-10	15.9	23.9	13.0	1875	52.0	7500	200	0.49
421SN-12	19	3/4	-12	19.1	27.8	10.5	1525	42.0	6100	240	0.63
421SN-16	25	1	-16	25.4	35.8	8.8	1275	35.0	5075	300	0.94
421SN-20	31	1 1/4	-20	31.8	44.8	6.3	900	25.2	3600	420	1.19
421SN-24	38	1 1/2	-24	38.1	51.1	5.0	725	20.0	2900	500	1.49
421SN-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 NO-SKIVE 421SN-8 WP 16,0 MPa (160 BAR) l * * SAE 100R1AT-8 12,5 MM (1/2) X1W EN 853/1SN/12/DIN

421TC

No-Skive

EN 853 1SN – ISO 1436 Type 1

Primary Applications

Demanding medium pressure hydraulic applications

Type Approvals

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

Applicable Specifications

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

Construction

Inner Tube: Nitrile (NBR)

Reinforcement: One high-tensile steel wire braid

Cover: MSHA approved synthetic rubber

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

Exception: Air max. +70 °C

Water max. +85 °C



- *No-Skive* thin cover hose construction
- Nitrile (NBR) inner tube
– extended fluid compatibility
- Highly abrasion resistant **TOUGH COVER**
- MSHA approved
- Hose is suitable for temporary immersion in mineral oil up to 70 °C with frequent inspections

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		
421TC-4	6	1/4	-4	6.4	13.4	22.5	3250	90.0	13000	100	0.24
421TC-5	8	5/16	-5	7.9	15.0	21.5	3125	86.0	12500	115	0.27
421RTC-6	10	3/8	-6	9.5	17.4	18.0	2600	72.0	10400	130	0.34
421TC-8	12	1/2	-8	12.7	20.7	16.0	2325	64.0	9300	180	0.43
421TC-10	16	5/8	-10	15.9	23.9	13.0	1875	52.0	7500	200	0.49
421TC-12	19	3/4	-12	19.1	27.8	10.5	1525	42.0	6100	240	0.63
421TC-16	25	1	-16	25.4	35.8	8.8	1275	35.0	5075	300	0.94
421TC-20	31	1 1/4	-20	31.8	44.8	6.3	900	25.2	3600	420	1.19
421TC-24	38	1 1/2	-24	38.1	51.1	5.0	725	20.0	2900	500	1.49
421TC-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 TOUGH COVER 421TC-8 WP 16,0 MPa (2325 PSI) MSHA IC 40/26 I • • SAE100R1AT-8 12,5 MM (1/2")

421WC*No-Skive*

Galvanised steel wire cover



- *No-Skive* thin cover hose construction
- Metal and glass hot-spot resistance

Primary Applications

Machine tool and glass industry

Applicable Specifications

SAE 100 R1AT

Construction

Inner tube: Synthetic rubber

Reinforcement: One high-tensile steel wire braid

Cover: Galvanized steel wire

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

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				 min. bend radius	 weight
	DN	Inch	Size	mm	mm	 max. working pressure		 min. burst pressure		mm	kg
						MPa	psi	MPa	psi		
421WC-4	6	1/4	-4	6.4	15.0	19.0	2750	76.0	11000	100	0.38
421WC-6	10	3/8	-6	9.5	19.0	15.5	2250	62.0	9000	130	0.54
421WC-8	12	1/2	-8	12.7	22.0	13.8	2000	55.0	8000	180	0.67
421WC-12	19	3/4	-12	19.1	29.0	8.6	1250	35.0	5075	240	0.95
421WC-16	25	1	-16	25.4	37.0	6.9	1000	28.0	4000	300	1.31

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