



# 421SN & 301SN

*No-Skive* Hoses



- Nitrile inner tube
  - greater fluid compatibility
  - bio oil resistance
- Compatible *No-Skive* Parkrimp fittings
  - safe and reliable

# 421SN/301SN – *No-Skive* Hoses

Keeping pace with ever increasing market requirements the 421SN and 301SN have been upgraded with nitrile inner tubes for greater fluid compatibility as with as improved ozone and abrasion resistant covers.

Although the 1SN and 2SN are often the typically specified hoses for standard hydraulic applications, the 421SN and 301SN offer more than just standard performance. The combination of the hoses technical features with the compatible Parkrimp 48 series fittings offers a safe and reliable assembly that increases service life and cuts costs.

## Features:

- Nitrile inner tube for greater fluid compatibility and bio oil resistance
- Exceed EN853 1SN/2SN specifications
- *No-Skive* design eliminates the need to remove the cover before attaching a fitting and crimping.
- Compatible *No-Skive* 48 series Parkrimp fittings – safe and reliable

## Primary Applications/Restrictions

General medium pressure hydraulic applications

## Applicable Specifications

**421SN:** EN 853 1SN, ISO 1436 Type 1, SAE100R1AT

**301SN:** EN 853 2SN, ISO 1436 Type 2, SAE 100 R2 AT

## Hose Construction

**Tube:** Nitrile (NBR)

### Reinforcement:

**421SN:** One high tensile steel wire braid

**301SN:** Two high tensile steel wire braids

**Cover:** Synthetic rubber

## Recommended Fluids

Petroleum and water-glycol based fluids, lubricating oils, air and water. For air above 1,7 MPa, the hose cover must be pin-pricked.

Consult the chemical compatibility section in Catalogue C4400 on page Ab-16 for more detailed information.

## Temperature Range

-40 °C up to +100 °C

Exception: Air.....max. +70 °C

Water .....max. +85 °C

## Fittings Series



## Parkrimp series fittings and crimpers

Parker's 421SN and 301SN hoses are compatible with 48 series fittings and the Parkrimp family of crimpers. From the assembly speed of the PHastkrimp to the portable ease of the KarryKrimpers, there is a Parkrimp machine that meets your needs.

A broad range of fittings, with over 60 end configurations, combined with Parker hose and crimpers allows simple and safe assembly – whenever and wherever needed.



Part Number	Hose I.D.				Hose O.D. mm	Pressure rating				min. bend radius mm	Weight kg/m
	DN	Inch	Size	mm		max. dynamic working pressure		min. burst pressure			
						MPa	psi	MPa	psi		
421SN-4	6	1/4	-4	6,3	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	20	3/4	-12	19,0	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	5100	300	0,94
421SN-20	32	1.1/4	-20	31,8	44,8	6,3	900	25,0	3600	420	1,19
421SN-24	40	1.1/2	-24	38,1	51,1	5,0	725	20,0	2 900	500	1,49
421SN-32	50	2	-32	50,8	64,7	4,0	575	16,0	2 300	630	2,23
301SN-4	6	1/4	-4	6,3	15,0	40,0	5800	160,0	23200	100	0,39
301SN-5	8	5/16	-5	7,9	16,6	35,0	5075	140,0	20300	115	0,42
301SN-6	10	3/8	-6	9,5	19,0	33,0	4775	132,0	19100	130	0,55
301SN-8	12	1/2	-8	12,7	22,2	27,5	4000	110,0	16000	180	0,67
301SN-10	16	5/8	-10	15,9	25,4	25,0	3600	100,0	14500	200	0,77
301SN-12	20	3/4	-12	19,0	29,3	21,5	3100	86,0	12400	240	1,00
301SN-16	25	1	-16	25,4	38,1	16,5	2400	66,0	9600	300	1,49
301SN-20	32	1-1/4	-20	31,8	47,5	12,5	1800	50,0	7200	420	1,73
301SN-24	40	1-1/2	-24	38,1	55,0	9,0	1300	36,0	5200	500	2,14
301SN-32	50	2	-32	50,8	67,0	8,0	1150	32,0	4600	630	2,96

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



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