



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

421SN – *No-Skive* Hose SAE 100 R1 AT / DIN 20 022-1SN / EN 853-1SN

301SN – *No-Skive* Hose ISO S 1436 / II / SAE 100 R2 AT / DIN 20 022 -2SN / EN 853-2SN

Hose construction:

Nitrile rubber tube; one / two braids of high tensile steel wire reinforcement; oil, weather and abrasion resistant black synthetic rubber cover.

Temperature range:-40 °C to +100 °C
 Exceptions: Air* max. +70 °C
 Water* max. +85 °C

Applications:

High pressure service with petroleum based hydraulic fluids, water*-glycol and water*-oil emulsion hydraulic fluids, grease, lubricants, crude and fuel oils, air* and water*. Pin prick cover for air or gas applications above 17 bar (250 psi).

Crimped fittings: 48 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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Product Information 4480-P09/UK
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 punctum/PlantijnCasparie 03/2006