A streamline selection of wire braided hoses, with wide ranging technical properties that provide flexibility to cover all major applications. This hose range is complemented by a full selection of compatible fittings in steel and stainless steel.

- Complete No-Skive fitting technology across the full range of medium pressure hoses providing simpler, quicker and safer hose assembly
- Extended range of working temperature: low (down to -50 °C) and high (up to +150 °C)
- Selected hoses feature nitrile inner tubes suitable for mineral and bio-degradable oils
- Full range of fluid compatibility; oil, water phosphate ester etc.
- Using high quality cover compounds allows thin covers – less weight – long service life still assured
- High flexibility for easier installation and increased impulse life
- Small bend radii and light weight for applications where space and weight are determining factors
- High abrasion resistance hose covers superior to ISO 6945 requirements, extending service life
- High ozone resistant cover compounds – extending weathering/ageing resistance
- Parkrimp machines, portable or bench mounted for easy assembly operation – hose assemblies meet CE directives
Mobile Hydraulic Applications

**Construction**
- High impulse resistance, high flexibility
- Products: 462, 492, 462ST, 492ST, 402

**Transportation**
- Type approved, long service life
- Products: 441, 462, 492

**Agriculture**
- Bio-oil resistant, competitive market environment
- Products: 421SN, 301SN, 441, 462, 492

**Forestry**
- Extreme mechanical wear and forces
- Products: 462, 462ST, 492, 492ST, 402

**Materials Handling**
- Limited space environment, high flexibility
- Products: 692, 692 Twin, 462, 492

**Hot Water Cleaning**
- Resistance to solvents, mechanical wear, weathering
- Products: 463, 493

**Industrial Hydraulic Applications**

**Automotive / Machine Tool**
- Cutting fluid compatibility, competitive market environment
- Products: 421SN, 301SN, 462, 492

**Aerospace**
- Phosphate ester compatibility
- Products: 424, 304

**Injection Moulding**
- High impulse life, high safety requirements
- Products: 462, 492

**Pulp and Paper**
- Aggressive environment, resistance to solvents
- Products: 462, 492, 426, 436

Selecting the right product for the application requirements of today and tomorrow.
**No-Skive Compact Hoses**

**402 - Elite**
1 layer hose (10,0 MPa), small OD and bend radii, highly flexible, ideal for mobile equipment pilot lines

**492 - Elite**
1 & 2 layers – exceeds EN 857 1SC and 2SC, ideal for highly demanding hydraulic applications in both the mobile and industrial markets

**462 - Elite**

**461LT - Elite**
2 layers – exceeds EN 857 2SC, low temperature hose -50 °C; ideal for mobile and forestry equipment in cold climates

**492ST - Elite**
1 & 2 layers – exceeds EN 857 1SC and 2SC with highly abrasion resistant hybrid polymeric (ST) cover, extreme abrasion and mechanical resistance typically required in forestry and construction equipment applications

**462ST - Elite**

**692 - Elite**
Single- and twin-line constant pressure hose 21,0 MPa with tight bend radii; ideal for limited space environments or aerial lift, telescopic handlers, fork lift trucks, hose reels etc.
# Classic No-Skive Hoses

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>421SN - No-Skive</strong></td>
<td>1 &amp; 2 layers – exceeds EN 853 1SN and 2SN for common use in standard hydraulic applications</td>
</tr>
<tr>
<td><strong>301SN - No-Skive</strong></td>
<td>1 layer high-pac construction – characteristics according to SAE 100 R16, for hydraulic applications up to +125 °C, transportation, agriculture, power steering etc.</td>
</tr>
<tr>
<td><strong>441 - No-Skive</strong></td>
<td>21.0 MPa constant pressure SAE100 R17 hose, with extra abrasion resistant <strong>TOUGH</strong> Cover (MSHA approved)</td>
</tr>
<tr>
<td><strong>451 TC - No-Skive</strong></td>
<td>1 &amp; 2 layers – exceeds SAE 100R1AT &amp; R16 for hydraulic fluids up to +150 °C, typically for use in paper, plastic and chemical industries</td>
</tr>
<tr>
<td><strong>426 - No-Skive</strong></td>
<td>1 &amp; 2 layers – high pressure water cleaning hose, maximum constant working temperature 120 °C for car-washes and garages</td>
</tr>
<tr>
<td><strong>493 - No-Skive</strong></td>
<td>1 &amp; 2 layers – EPDM inner tube and cover, equivalent to SAE100 R1AT &amp; R2AT – phosphate ester resistant ideal for aircraft maintenance, test benches, steel mills and foundries</td>
</tr>
<tr>
<td><strong>436 - No-Skive</strong></td>
<td></td>
</tr>
<tr>
<td><strong>424 - No-Skive</strong></td>
<td></td>
</tr>
<tr>
<td><strong>463 - No-Skive</strong></td>
<td></td>
</tr>
<tr>
<td><strong>421SN - No-Skive</strong></td>
<td></td>
</tr>
<tr>
<td><strong>304 - No-Skive</strong></td>
<td></td>
</tr>
</tbody>
</table>
Parkrimp® No-Skive
The system for fast and leak free assemblies

- No skiving tool needed
- No need to remove the cover
- Crimps one piece fittings only
- Parkalign positions the fittings in the die perfectly every time
- Quick and easy: no gauges to set on the machine
- Portable machines for field repair
- Meets EN safety regulations

Parker’s color-coded die sets
No loose parts to mismatch or misplace – die set segments linked together. Die sets provide 360° evenly applied crimping forces for an ideal crimp result.

Parker’s exclusive
Parkalign® positions the fitting in the dies perfectly every time.

The perfect match
The complete system from one source. No-Skive hose, No-Skive fitting and crimping machine with world-wide guarantee and availability.
441 No-Skive
Hi-Pac Compact Hose

- One wire braid construction
- Two wire braids performance
- 125 °C working temperature
- Compatible with 46 and 48 series
- No-Skive fittings
441 – No-Skive Hi-Pac Compact Hose
SAE 100 R2 working pressures
SAE 100 R16 bending radii

Parker’s upgraded 441 hose provides 2 wire braided performance with only 1 high quality wire braid and is now approved for a working temperature of 125 °C. The Hi-Pac construction of the hose braid allows the technical characteristics of an SAE 100 R16 hose to be met, but offers higher flexibility and therefore improved ease of installation in machines or equipment. The 441 hose is ideal for many industrial and mobile applications, with typical usage seen on agricultural machines or in power steering circuits.

Features:
• 1 wire braid construction – 2 wire braids performance
• 125 °C working temperature*
• Compatible with both 46 and 48 series No-Skive fittings
• No-Skive design eliminates the need to remove the cover before crimping

441 – No-Skive 1-Layer Compact Hose
for small bend radii
SAE 100 R16, exceeds SAE 100 R2

Hose construction:
Synthetic Rubber tube; one braid of high tensile steel wire reinforcement; oil, weather and abrasion resistant black synthetic rubber cover.

Temperature range: -40 °C to 125 °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: 46 and 48 series

<table>
<thead>
<tr>
<th>Part Number</th>
<th>DN</th>
<th>Inch</th>
<th>Size</th>
<th>Hose I.D.</th>
<th>Hose O.D.</th>
<th>max. dynamic working pressure</th>
<th>min. burst pressure</th>
<th>min. bend radius</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>441-4</td>
<td>6</td>
<td>1/4</td>
<td>-4</td>
<td>6,3</td>
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<td>441-5</td>
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<td>15,0</td>
<td>29,3</td>
<td>117,0</td>
<td>55</td>
<td>0,32</td>
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<td>441-6</td>
<td>10</td>
<td>3/8</td>
<td>-6</td>
<td>9,5</td>
<td>17,4</td>
<td>27,5</td>
<td>110,0</td>
<td>65</td>
<td>0,42</td>
</tr>
<tr>
<td>441-8</td>
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<td>1/2</td>
<td>-8</td>
<td>12,7</td>
<td>20,7</td>
<td>24,0</td>
<td>96,0</td>
<td>90</td>
<td>0,50</td>
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<td>441-10</td>
<td>16</td>
<td>5/8</td>
<td>-10</td>
<td>15,9</td>
<td>23,8</td>
<td>19,0</td>
<td>76,0</td>
<td>100</td>
<td>0,65</td>
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<tr>
<td>441-12</td>
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<td>-12</td>
<td>19,0</td>
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<td>25,4</td>
<td>35,8</td>
<td>13,8</td>
<td>55,0</td>
<td>150</td>
<td>1,22</td>
</tr>
</tbody>
</table>

The combination of high temperature and high pressure could reduce the hose life.
Reels (RL) available upon request. e.g. 441-xx-RL

Parker Hannifin GmbH
Hose Products Division Europe
e-mail: hpde@parker.com
www.parker.com/euro_hpd
493 & 463 No-Shive
Hoses for High Pressure Water Cleaning

- Approved and tested functionality at 120 °C constant water temperature
- High quality cover compound – longer service life
- Compatible, safe and tested hose fittings
493/463 – No-Skive Hoses

Parker's 493 and 463, 1 and 2 wire high pressure water cleaning hoses offer safe, high pressure, hot water cleaning up to 120 °C constant water temperature. The combination of high quality rubber compounds used for the hose covers – offering excellent abrasion and ozone resistance, together with the approved and tested Parker fittings, maximises the working life of the hoses and reduces running costs.

Features:
• Approved and tested functionality at 120 °C constant water temperature
• High quality cover compound – longer service life
• Compatible, safe and tested hose fittings

493/463 – No-Skive 1 & 2-Layer Hoses

Hose construction:
Inner tube of synthetic rubber, one or two braids of high-tensile steel wire reinforcement and an oil and weather resistant black or blue (BLU) synthetic cover.

Temperature range:
Water .................................. max. +120 °C

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Hose I.D.</th>
<th>Hose O.D.</th>
<th>Pressure rating</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>DN</td>
<td>Inch</td>
<td>Size</td>
</tr>
<tr>
<td>493-4-RL</td>
<td>6</td>
<td>1/4</td>
<td>-4</td>
</tr>
<tr>
<td>493-4-BLU-RL</td>
<td>6</td>
<td>1/4</td>
<td>-4</td>
</tr>
<tr>
<td>493-5-RL</td>
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<td>5/16</td>
<td>-5</td>
</tr>
<tr>
<td>493-5-BLU-RL</td>
<td>8</td>
<td>5/16</td>
<td>-5</td>
</tr>
<tr>
<td>493-6-RL</td>
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<td>3/8</td>
<td>-6</td>
</tr>
<tr>
<td>493-6-BLU-RL</td>
<td>10</td>
<td>3/8</td>
<td>-6</td>
</tr>
<tr>
<td>493-8-RL</td>
<td>12</td>
<td>1/2</td>
<td>-8</td>
</tr>
<tr>
<td>493-8-BLU-RL</td>
<td>12</td>
<td>1/2</td>
<td>-8</td>
</tr>
<tr>
<td>463-5-RL</td>
<td>8</td>
<td>5/16</td>
<td>-5</td>
</tr>
<tr>
<td>463-5-BLU-RL</td>
<td>8</td>
<td>5/16</td>
<td>-5</td>
</tr>
<tr>
<td>463-6-RL</td>
<td>10</td>
<td>3/8</td>
<td>-6</td>
</tr>
<tr>
<td>463-6-BLU-RL</td>
<td>10</td>
<td>3/8</td>
<td>-6</td>
</tr>
<tr>
<td>463-8-RL</td>
<td>12</td>
<td>1/2</td>
<td>-8</td>
</tr>
<tr>
<td>463-8-BLU-RL</td>
<td>12</td>
<td>1/2</td>
<td>-8</td>
</tr>
</tbody>
</table>

RL = only available on reels

Applications:
Designed for use with water only, for constant water temperatures up to 120 °C. The hose is not recommended for steam service.

Crimped fittings: 493 ➔ 48 series
463 ➔ 46 series

Parkrimp series fittings and crimpers
Parker's 493/463 hoses are compatible with Parkrimp 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.
424 & 304 No-Skive
Hoses for Phosphate Ester Fluids

- High quality EPDM inner tube and green rubber cover
- No-Skive design eliminates the need to remove the cover before crimping
- Pressure rating conform to SAE 100 R1 AT / SAE 100 R2 AT
424 and 304 – *No-Skive* Hoses for Phosphate Ester Fluids

If getting aircraft into the air is your job, leaking hydraulic hose assemblies on your test equipment should be the last of your worries.

That's why Parker's line of phosphate-ester fluid compatible EPDM rubber hoses should be your first choice. Parker's 1 and 2 wire braided medium pressure hoses feature inner tubes and outer covers that resist aggressive phosphate-ester fluids typical to the aircraft industry but also found in other industries such as foundries and steel mills.

The hose constructions of the 424 and 304 hoses are according to the SAE 100 R1 AT / SAE 100 R2 AT respectively, and form a part of a larger range of EPDM hoses covering the lower and higher pressures (see catalogue 4400)

**Features:**
- High quality EPDM inner tube and green EPDM cover
- *No-Skive* design eliminates the need to remove the cover before crimping
- Pressure ratings conform to SAE 100 R1 AT / SAE 100 R2 AT

**424 / 304 – *No-Skive* 1 & 2-Layer EPDM Hoses**

*Hose construction:*
EPDM synthetic rubber tube; one or two braids of high tensile steel wire reinforcement; phosphate ester and weather resistant green synthetic rubber cover.

*Temperature range:* ................. -40 °C to +80 °C

Exceptions: Air ................. max. +70 °C

Water ................. max. +85 °C

**Applications:**
High pressure service hose for use with phosphate ester base hydraulic fluids. Do not allow tube to contact any petroleum based fluids. Use soap as lubricant.

**Crimped fittings:** 43 series

---

**Part Number**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>DN</th>
<th>Inch</th>
<th>Size</th>
<th>Hose I.D.</th>
<th>Hose O.D.</th>
<th>Pressure rating</th>
<th>min. burst pressure</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>mm</td>
<td></td>
<td></td>
<td>mm</td>
<td>mm</td>
<td>max. dynamic working pressure</td>
<td>min. pressure</td>
<td>min. bend radius</td>
</tr>
<tr>
<td>424-16</td>
<td>25</td>
<td>1</td>
<td>-16</td>
<td>25,4</td>
<td>36,0</td>
<td>6,9 1000</td>
<td>28,0 4000</td>
<td>300</td>
</tr>
<tr>
<td>424-20</td>
<td>32</td>
<td>1-1/4</td>
<td>-20</td>
<td>31,8</td>
<td>45,0</td>
<td>4,3 625</td>
<td>17,0 2500</td>
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<tr>
<td>424-24</td>
<td>40</td>
<td>1-1/2</td>
<td>-24</td>
<td>38,1</td>
<td>51,0</td>
<td>3,5 500</td>
<td>14,0 2000</td>
<td>500</td>
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<tr>
<td>424-32</td>
<td>50</td>
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<td>-32</td>
<td>50,8</td>
<td>64,6</td>
<td>2,4 375</td>
<td>10,0 1500</td>
<td>630</td>
</tr>
<tr>
<td>304-4</td>
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<td>1/4</td>
<td>-4</td>
<td>6,3</td>
<td>15,0</td>
<td>34,5 5000</td>
<td>138,0 20000</td>
<td>100</td>
</tr>
<tr>
<td>304-6</td>
<td>10</td>
<td>3/8</td>
<td>-6</td>
<td>9,5</td>
<td>19,0</td>
<td>27,5 4000</td>
<td>110,0 16000</td>
<td>130</td>
</tr>
<tr>
<td>304-8</td>
<td>12</td>
<td>1/2</td>
<td>-8</td>
<td>12,7</td>
<td>22,0</td>
<td>24,0 3500</td>
<td>96,0 14000</td>
<td>180</td>
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<td>-12</td>
<td>19,1</td>
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<td>62,0 9000</td>
<td>240</td>
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<tr>
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<td>-16</td>
<td>25,4</td>
<td>38,0</td>
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<td>11,2 1625</td>
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<td>304-24</td>
<td>40</td>
<td>1-1/2</td>
<td>-24</td>
<td>38,1</td>
<td>55,0</td>
<td>8,6 1250</td>
<td>35,0 5000</td>
<td>500</td>
</tr>
<tr>
<td>304-32</td>
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<td>2</td>
<td>-32</td>
<td>50,8</td>
<td>68,0</td>
<td>7,8 1125</td>
<td>31,0 4500</td>
<td>630</td>
</tr>
</tbody>
</table>

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

---

Parker Hannifin GmbH
Hose Products Division Europe
e-mail: hpde@parker.com
www.parker.com/euro_hpd
492 & 462 Elite No-Shive Compact Hoses

- High performance
  - Elite compact hoses
- Nitrile inner tube
  - Bio oil compatible
- Pressures exceeding EN 857 specifications
492/462 – Elite Compact Hoses

Parker’s new Elite 1 and 2 wire braided compact hoses, exceeding EN857-1SC and EN857-2SC respectively, have been upgraded to meet the ever increasing demands of modern applications. The hoses are the ideal choice where lower weight, high pressures and tight bending radii are the driving factors influencing product selection.

In addition to the already high performance of the hoses, they are now also constructed with nitrile rubber inner tubes for improved fluid compatibility and resistance to bio-oils and improved ozone and abrasion resistance covers; resulting in even longer service lives and lowering overall equipment costs.

Features:
- Exceeding specified working pressures of EN857-1SC/2SC respectively
- High quality cover compound – longer service life
- Tight bending radii – compact hoses allowing compact machine designs
- Nitrile inner tubes – bio-oil resistant

492/462 – Elite 1/2-Wire Compact Hoses

Hose construction:
Nitrile rubber tube; one or two braids of high tensile steel wire reinforcement; oil, weather and a high 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: 46 series

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Hose I.D.</th>
<th>Hose O.D.</th>
<th>Pressure rating</th>
<th>min. burst pressure</th>
<th>min. bend radius</th>
<th>Weight kg/m</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>DN</td>
<td>Inch</td>
<td>Size</td>
<td>mm</td>
<td>Hose O.D.</td>
<td>mm</td>
</tr>
<tr>
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<td>6</td>
<td>1/4</td>
<td>-4</td>
<td>6.3</td>
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<td>5/8</td>
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<td>15.9</td>
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<td>-20</td>
<td>31.8</td>
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</table>

462-4 6 1/4 -4 6.3 13.4 42.5 6160 170.0 24640 75 0.30
462-5 8 5/16 -5 7.9 15.0 40.0 5800 160.0 23200 85 0.35
462-6 10 3/8 -6 9.5 17.2 35.0 5075 140.0 20300 90 0.42
462-8 12 1/2 -8 12.7 20.4 31.0 4495 124.0 17980 130 0.52
462-10 16 5/8 -10 15.9 23.9 28.0 4060 112.0 16240 160 0.66
462-12 20 3/4 -12 19.0 27.7 28.0 4060 112.0 16240 195 0.86
462-16 25 1 -16 25.4 35.4 21.0 3045 84.0 12180 250 1.17
462-20 32 1 1/4 -20 31.8 43.0 17.2 2495 68.8 9980 335 1.50

Parker Hannifin GmbH
Hose Products Division Europe

e-mail: hpde@parker.com
www.parker.com/euro_hpd
402 Elite No-Skive Compact Hose for Pilot Lines

- 10,0 MPa rubber Pilot line hose
- Nitrile inner tube – Bio oil compatible
- Highly flexible – eases installation
402 – Elite Compact Pilot Line Hose

Parker’s 402 Elite Pilot Line hose is a highly flexible 10,0 MPa constant pressure hose, ideally suited to the compact build requirements of modern equipment. The combination of a high abrasion and ozone resistant outer cover, with its small outside diameter and the upgraded fluid compatibility of the hose, through its nitrile inner tube, results in a pilot line hose that meets the demands of a wide ranging customer base.

The 402 hose is ideal for many industrial and mobile applications, with typical usage seen in mobile construction equipment.

Features:
- Nitrile inner tube – bio-oil resistant
- Tight bending radii – allowing compact machine designs
- High quality cover compound – longer service life
- Compatible with 2 piece No-Skive fittings
- No-Skive design eliminates the need to remove the cover before crimping

Hose construction:
Nitrile rubber tube; one braid 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: 2-piece 47/49 nipple/shell
**461LT Elite No-Skive Low Temperature Compact Hose**

- Improved ozone resistant cover
- High abrasion resistant cover
- Suitable for working environments with -50°C working temperature
- Compatible with 46 series No-Skive fittings
Parker 461LT Elite
Low Temperature Compact Hose

Parker’s 461LT Elite low temperature EN857-2SC hose is the ideal candidate to stand out in the cold. With technical performance that exceeds the EN857-2SC combined with a working temperature of down to -50°C, the 461LT offers high performance and flexibility, in the harshest of conditions.

Features:
- Improved Ozone resistant cover
- High abrasion resistant cover
- Suitable for working environments down to -50 °C
- Compatible with 46 series No-Skive fittings
- No-Skive design eliminates the need to remove the cover before crimping

461LT – Elite Low Temperature Compact Hose

Hose construction:
Synthetic rubber tube; two braids of high tensile steel wire reinforcement separated by a synthetic rubber layer; oil, ozone, weather and highly abrasion resistant synthetic black rubber cover.

Temperature range:.......................-50 °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: 46 series

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Hose I.D.</th>
<th>Hose O.D.</th>
<th>Pressure rating max. dynamic working pressure MPa psi</th>
<th>min. burst pressure MPa psi</th>
<th>min. bend radius mm</th>
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426 & 436 No-Shive
Hoses for High Temperature Applications

- SAE 100 R1 AT / SAE 100 R16 – High Temperature specialty hoses
- Blue, PKR®, MSHA-accepted outer cover
- Ideal for a wide range of high temperature applications
- No-Shive design eliminates the need to remove the cover before attaching a fitting and crimping.
426/436 – **No-Skive**
SAE 100 R1 AT / SAE 100 R16
High Temperature Hoses

Parker 426, 1 wire hose is perfect for both internal and external high-temperature applications. Used in foundry, injection molding, fleet oil cooler lines and ideal for thermal transfer fluids. Parker’s NEW 426 hose with a PKR inner tube and PKR Hypalon® outer cover, is ideal for both internal and external high-temperature applications.

To complete the range of wire braided hoses for high temperature, Parker also has the 436 hose with 2 wire braids. The 436 hose meets the SAE 100 R16 pressure and bending radius specification, but is approved to work with petroleum based fluids oils up to 150 °C.

Both the 426 and the 436 hoses offer versatility, long service life and dependability for a wide range of applications and are approved with Parkrimp series fittings.

**Features:**
- SAE 100 R1 AT / SAE 100 R16 – high temperature specialty hoses
- Blue, PKR®, MSHA-accepted outer cover
- Ideal for a wide range of high temperature applications
- No-Skive design eliminates the need to remove the cover before attaching a fitting and crimping.

**426-436 – No-Skive High Temperature Compact Hoses**

**Hose construction:**
Synthetic Rubber tube; one or two braids of high tensile steel wire reinforcement separated by a synthetic rubber layer; oil, weather and abrasion resistant synthetic rubber blue cover.

**Temperature range:** ..........-46 °C to +150 °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:** 426 ➔ 43 series

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Application Pressure rating

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

RL = only available on reels

Parker Hannifin GmbH
Hose Products Division Europe

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www.parker.com/euro_hpd

**Parkrimp series fittings and crimpers**
Parker’s 426/436 hoses are compatible with 43/48 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.

Parker Hannifin GmbH
Hose Products Division Europe

e-mail: hpde@parker.com
www.parker.com/euro_hpd
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

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<th>Part Number</th>
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<th>Hose O.D.</th>
<th>Pressure rating</th>
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</table>

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

Parker Hannifin GmbH
Hose Products Division Europe

e-mail:  hpde@parker.com
www.parker.com/euro_hpd

48 series Parkrimp 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.
692 & 692Twin Elite No-Shive Compact Hoses

- Single and twin line compact hoses
- Nitrile inner tube – greater fluid compatibility
- Extremely small bending radii and high flexibility
- 21,0 MPa constant pressure
692 / 692Twin – Elite Compact Hoses

High flexibility and small bending radii of hoses are becoming more and more crucial for hydraulic circuit designers as market requirements mean smaller and more compact machines. Parker’s 21.0 MPa 692 rubber compact hoses with nitrile inner tubes for greater fluid compatibility, together with improved ozone and abrasion resistant covers offer the flexibility required to meet these needs.

An exclusive feature of the 692 range is the 692Twin line hose, where two hoses are extruded and vulcanised as one. The 692Twin hose is the ideal product for applications such as fork lift masts, telescopic arms or stabilisers, hose reels and other applications where it is beneficial to have pressure and return line attached together. The 692 hoses are approved with compatible Parkrimp 46 series fittings and assure a long term, leak free and reliable hose assembly.

Features:
- Single and twin line compact hoses
- Nitrile inner tube – greater fluid compatibility and bio oil resistance
- 21.0 MPa constant working pressure
- Extremely small bending radii – under half of SAE 100 R2
- Highly flexible
- Abrasion and ozone resistant covers

692/692Twin – Elite Constant pressure Compact Hoses

Hose construction:
Nitrile rubber tube; 1 or 2 braids of high tensile steel wire reinforcement; oil, weather and abrasion resistant black synthetic rubber cover

Temperature range:.................-40 °C to +80 °C
Exceptions: Air............ max. +70 °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: 46 series

<table>
<thead>
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<th>Part Number</th>
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<th>Hose O.D.</th>
<th>Pressure rating</th>
<th>Weight</th>
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492ST & 462ST Elite
No-Skive Super Tough Compact Hoses

- One wire braid construction
- 450 times better abrasion resistance than standard rubber hoses
- Nitrile inner tube – greater fluid compatibility and bio oil resistance
492ST/462ST – Elite Compact Hoses

Tough Hoses for a Tough World!

Parker’s 492ST and 462STSUPER TOUGH hoses combine the high performance of the Parker compact hoses with an extremely high abrasion resistance Polymeric cover, that increases the hoses service life when the hoses are exposed to extreme mechanical wear.

The SUPER TOUGH cover offers up to 450 times the abrasion resistance specified in the ISO 6945 for standard rubber hoses and provides the perfect alternative to expensive and cumbersome protective sleaving.

With the added benefit of the nitrile innertube, it makes the 492ST and 462ST ideal products for a huge range of industrial and mobile applications.

Most typical usage is seen on rugged applications such as with mobile construction equipment.

Features:

• Nitrile inner tube – greater fluid compatibility and bio oil resistance
• 450 times better abrasion resistance than required in the ISO 6945 for standard rubber hoses
• Exceed EN857 1SC/2SC requirements
• ST covers offer an alternate to expensive and cumbersome protective sleaving

Hose construction:
Nitrile rubber tube; one or two braids of high tensile steel wire reinforcement; oil, weather and a high abrasion resistant Super Tough (ST) polymeric 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 and water*.

Crimped fittings: 46 series

Parker’s 492ST/462ST hoses are compatible with 46 series fittings and the Parkrimp family of crimpers. From the assembly speed of the PHastkrimp to 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.

492ST/462ST – Elite SUPER TOUGH Compact Hoses

Hose construction:
Nitrile rubber tube; one or two braids of high tensile steel wire reinforcement; oil, weather and a high abrasion resistant Super Tough (ST) polymeric 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 and water*.

Crimped fittings: 46 series

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<th>Part Number</th>
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<th>Hose O.D.</th>
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<th>Weight</th>
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Parker Hannifin GmbH
Hose Products Division Europe

e-mail: hpde@parker.com
www.parker.com/euro_hpd
451TC No-Skive
Tough Cover
Compact Hose

- Tough Cover offering exceptional protection from hose-to-hose or hose-to-object abrasion.
- 21.0 MPa constant working pressure
- Tight bending radii – one-half SAE 100 R1 minimum bend radius
- Exceeds SAE 100 R17 specification
451TC – No-Shive TOUGH COVER Hose
Parker’s 451TC combines small bending radii and high flexibility with a highly abrasion resistant TOUGH COVER, that makes the hose ideal for a wide range of industrial and mobile hydraulic applications where resisting mechanical wear is the crucial factor that leads to an increased service life of the hoses.

Features:
• TOUGH COVER offering exceptional protection from hose-to-hose or hose-to-object abrasion.
• 21.0 MPa constant working pressure across all sizes
• Tight bending radii – one-half SAE 100 R1 minimum bend radius
• Exceeds SAE 100 R17 specification

Hose construction:
Synthetic rubber tube; one braid of high tensile steel wire reinforcement; oil, weather and highly abrasion resistant MSHA accepted 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 (250psi)

Crimped fittings: 48 series

451TC – No-Shive TOUGH COVER Compact Hose

Hose construction:
Synthetic rubber tube; one braid of high tensile steel wire reinforcement; oil, weather and highly abrasion resistant MSHA accepted synthetic rubber cover.

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Crimped fittings: 48 series

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

RL = only available on reels
### Fluid Connectors Europe Sales Offices

<table>
<thead>
<tr>
<th>Company</th>
<th>Address</th>
<th>Phone</th>
<th>Fax</th>
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Internet: http://www.parker.com/europe

For further information on other Parker Products, call the European Product Information Centre free of charge on 00800 27 27 5374.