

Elite 462-8 WP 31,0 M

Elite 462CF-8 ChlorineFree

aerospace  
climate control  
electromechanical  
filtration  
fluid & gas handling  
hydraulics  
pneumatics  
process control  
sealing & shielding

Elite 3 477-8 PowerLift W



## Elite No-Skive Hoses

For reliability, sustainability, performance and prevention

Elite 461LT-8 LowTemp



ENGINEERING YOUR SUCCESS.

# Elite No-Skive Hoses

for reliability, performance, sustainability and prevention

Designers of hydraulic machinery are increasingly defining new products that require hydraulic circuits with tighter curves, higher pressures and less space in which to route flexible connections and achieve a solution.

The option to use flexible connections that are tested over and above the generally accepted norms and specifications and, that offer reliability and performance to the highest market standards, give peace of mind and the possibility to enhance the reputation and dependability of products developed by engineering and design departments. To meet hydraulic application demands for reliability and performance, engineers typically look at medium pressure braided hose ranges with a compact design and no-skive fittings. They often tend towards well known and established names on the market, where real-world long life and dependability have been proven.

## Reliability

One of the most important factors engineers look for is reliability. In the case of a hydraulic hose line that primarily means the integrity of its connection. Hoses that use the Parker® No-Skive technology, such as the Elite range from Parker, are the preferred choice for all medium pressure mobile and industrial applications.



*Leakfree No-Skive hose assembly*

## Performance

Particularly challenging are applications in earth-moving and construction machinery that require higher performance from the hoses they use in terms of flexibility, a tight bending radius and resistance to very low temperatures. The new Elite low temperature hose 461LT can be used in applications with an ambient temperature of down to -50 °C.



*Low temperature hose 461LT*

## Sustainability

Sustainability is a strategy that underlines many initiatives, integrating life cycles assessment into the product development process for leading, responsible manufacturers. Transparency in the use of chemicals, processes and materials and utilising technical know-how and engineering skills are key to meet this increasingly important and globally relevant requirements. Therefore the newly developed chlorine-free hose types with a smooth pure nitrile inner tube are environmentally friendly from production to disposal and that with an excellent chemical resistance.



*Chlorine-free hose 462CF*





Chrome6-free fittings

### Prevention

High performance most often goes hand-in-hand with long life and reliability which translates into reduced machine downtime caused by hose assembly failure. However, through a preventive maintenance program, unexpected, unscheduled and costly downtime can be largely avoided. A Preventive Maintenance Program may comprise regular checks of the hydraulic circuit and of all the flexible parts that compose it.

Identification systems such as the Parker Tracking System (PTS) are designed to help customers reduce vehicle or asset downtime through increases in speed, timing and accuracy of necessary repairs.



Hose assemblies with unique PTS tag for a fast, easy and exact replacement

## *Elite* with outstanding technical properties

The new wire braided Elite No-Skive hose range with outstanding technical properties such as superior flexibility, tighter bend radii and tough or super tough hose cover exceeds the EN specifications and meets the OEM and MRO requirements of today and tomorrow!

The range also includes a new chlorine-free hose type with a smooth pure nitrile inner tube – a hose which is environmentally friendly from production to disposal and that with an excellent chemical resistance.

### Exceeds European specifications

- higher abrasion resistance
- higher pressure ratings

### Long service life achieved through implementing

- nitrile inner tubes for better fluid compatibility
- tested and approved hose and fitting combinations

### innovative product line with excellent technical characteristics

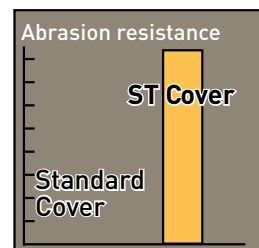
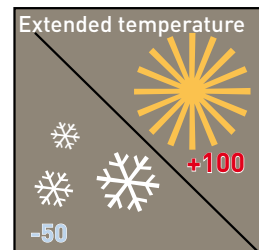
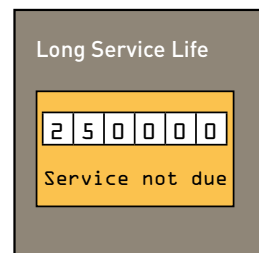
- high flexibility
- tight bending radii
- compact thin cover hoses
- No-Skive technology

### temperature range

- up to +125 °C
- down to -50 °C for low temperature (LT) hoses



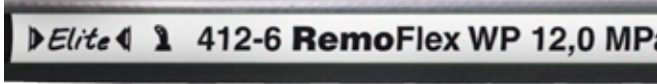





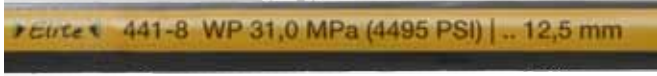


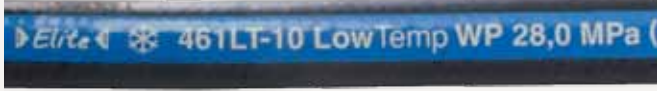





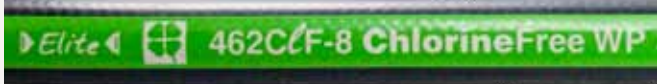
### extreme abrasion resistance

- > 1 Mio cycles with ST hoses according to ISO 6945 (which represents 450 times the standard cover)



# Elite No-Skive Hose Range

for reliability, sustainability, performance and prevention

	Application	Elite No-Skive Hose
Pilot	 	<b>412 Elite RemoFlex</b> 
Pilot extreme abrasion resistant	 	<b>412ST Elite Super Tough RemoFlex</b> 
Standard	 	<b>441 Elite</b> 
Low Temperature	 	<b>461LT Elite Compact</b> 
Standard	 	<b>462 Elite Compact</b> 
Chlorine Free	 	<b>462ClF Elite Chlorine Free</b> 



All Applications



Transportation



Military



Agriculture



Forestry



Utility Equipment



Machine Tool



Waste & Refuse



Marine



Ground Support  
Equipment



Mining

Main Features	Standard Type Approvals	Temperature °C	Size and Pressure (MPa)									
			-3	-4	-5	-6	-8	-10	-12	-16	-20	
<ul style="list-style-type: none"> <li>• <i>No-Skive</i> hose construction</li> <li>• 12.0 MPa rubber pilot line hose</li> <li>• Very tight bending radii – allowing compact machine design</li> </ul> Tube: Nitrile (NBR) Reinforcement: One high-tensile steel wire braid Cover: Synthetic rubber		-40 to +100	12.0	12.0	12.0	12.0						
<ul style="list-style-type: none"> <li>• <i>No-Skive</i> hose construction</li> <li>• 12.0 MPa rubber pilot line hose</li> <li>• Very tight bending radii – allowing compact machine design</li> <li>• Extrem abrasion resistant cover <b>SUPER TOUGH</b></li> </ul> Tube: Nitrile (NBR) Reinforcement: One high-tensile steel wire braid Cover: Synthetic rubber with a special polyethylene coating		-50 to +100	12.0	12.0	12.0	12.0						
<ul style="list-style-type: none"> <li>• <i>No-Skive</i> hose construction</li> <li>• One wire braid construction – two wire braid performance</li> <li>• +125 °C working temperature</li> </ul> Tube: Synthetic rubber Reinforcement: One high-tensile steel wire braid Cover: Synthetic rubber	ISO 11237 Type R16 SAE 100R16	-40 to +125		35.0	29.7	28.0	24.5	19.2	15.7	14.0		
<ul style="list-style-type: none"> <li>• <i>No-Skive</i> thin cover hose construction</li> <li>• Excellent ozone resistance</li> <li>• Ideal for low temperature working conditions (-50 °C)</li> </ul> Tube: Synthetic rubber Reinforcement: Two high-tensile steel wire braids Cover: Synthetic rubber	Exceeds DIN EN 857 2SC	-50 to +100		42.5	40.0	35.0	31.0	28.0	28.0	21.0		
<ul style="list-style-type: none"> <li>• <i>No-Skive</i> hose construction – Compact design</li> <li>• Nitrile (NBR) inner tube – extended fluid compatibility</li> <li>• Exceeding EN/ISO specifications for pressure, bend radius and abrasion resistance</li> </ul> Tube: Nitrile (NBR) Reinforcement: Two high-tensile steel wire braids Cover: Synthetic rubber	Exceeds DIN EN 857 2SC ISO 11237 Type 2SC GL, DNV, LR, RINA,BS	-40 to +100		42.5	40.0	35.0	31.0	28.0	28.0	21.0	17.2	
<ul style="list-style-type: none"> <li>• <i>No-Skive</i> thin cover hose construction</li> <li>• New special compound without halogen components</li> </ul> Tube: Synthetic rubber Reinforcement: Two high-tensile steel wire braids Cover: Synthetic rubber	Exceeds DIN EN 857 2SC ISO 11237 Type 2SC	-40 to +100		42.5	40.0	35.0	31.0	28.0	28.0	21.0	17.2	



RV & Bus



Construction



Grounds & Building  
Maintenance



Railroad



Personnel Lift  
Equipment



Oil Field Service



Material Handling



Paving & Road  
Maintenance










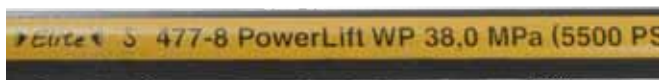








Industrial



Inplant  
Automotive

# Elite No-Skive Hose Range

for reliability, sustainability, performance and prevention

	Application	Elite No-Skive Hose
High abrasion resistant	 	<b>462TC Elite Tough Cover</b> 
Extreme abrasion resistant	 	<b>462ST Elite Super Tough Compact</b> 
Power Lift	 	<b>477 Elite PowerLift</b> 
Power Lift – extreme abrasion resistant	 	<b>477ST Elite Super Tough PowerLift</b> 
Standard	 	<b>492 Elite Compact</b> 
Extreme abrasion resistant	 	<b>492ST Elite Super Tough Compact</b> 



All Applications



Transportation



Military



Agriculture



Forestry



Utility Equipment



Machine Tool



Waste & Refuse



Marine



Ground Support Equipment



Mining

Main Features	Standard Type Approvals	Temperature °C	Size and Pressure (MPa)								
			-3	-4	-5	-6	-8	-10	-12	-16	-20
<ul style="list-style-type: none"> <li><b>No-Skive</b> hose construction – Compact design</li> <li>Nitrile (NBR) inner tube – extended fluid compatibility</li> <li>Highly abrasion resistant <b>TOUGH COVER</b>; MSHA approved</li> <li>Exceeding EN/ISO specifications for pressure, bend radius and abrasion resistance</li> </ul> Tube: Nitrile (NBR) Reinforcement: Two high-tensile steel wire braids Cover: MSHA approved standard synthetic rubber	Exceeds <b>DIN EN 857 2SC</b> <b>ISO 11237 Type 2SC</b>  <b>MSHA</b>	-40 to +100		42.5	40.0	35.0	31.0	28.0	28.0	21.0	17.2
<ul style="list-style-type: none"> <li><b>No-Skive</b> hose construction – Compact design</li> <li>Nitrile (NBR) inner tube – extended fluid compatibility</li> <li>Extreme abrasion resistant <b>SUPER TOUGH</b> cover</li> <li>Exceeding EN/ISO specifications for pressure, bend radius and abrasion resistance</li> </ul> Tube: Nitrile (NBR) Reinforcement: Two high-tensile steel wire braids Cover: Synthetic rubber with a special polyethylene coating	Exceeds <b>DIN EN 857 2SC</b> <b>ISO 11237 Type 2SC</b>	-40 to +100		42.5	40.0	35.0	31.0	28.0	28.0	21.0	17.2
<ul style="list-style-type: none"> <li><b>No-Skive</b> hose construction – Compact design</li> <li>Tested at 120 % of the maximum working pressure at 400,000 impulses</li> <li>Smaller bend radius and reduced outside diameter</li> </ul> Tube: Nitrile (NBR) Reinforcement: Two high-tensile steel wire braids Cover: Synthetic rubber		-40 to +100		45.0	42.5	40.0	38.0	35.0	35.0	25.0	
<ul style="list-style-type: none"> <li><b>No-Skive</b> hose construction – Compact design</li> <li>Extreme abrasion resistant <b>SUPER TOUGH</b> cover</li> <li>Tested at 120 % of the maximum working pressure at 400,000 impulses</li> <li>Smaller bend radius and reduced outside diameter</li> </ul> Tube: Nitrile (NBR) Reinforcement: Two high-tensile steel wire braids Cover: Synthetic rubber with a special polyethylene coating		-40 to +100		45.0	42.5	40.0	38.0	35.0	35.0	25.0	
<ul style="list-style-type: none"> <li><b>No-Skive</b> hose construction – Compact design</li> <li>Nitrile (NBR) inner tube – extended fluid compatibility</li> <li>Exceeding EN/ISO specifications for pressure, bend radius and abrasion resistance</li> </ul> Tube: Nitrile (NBR) Reinforcement: One high-tensile steel wire braid Cover: Synthetic rubber	Exceeds <b>DIN EN 857 1SC</b> <b>ISO 11237 Type 1SC</b>  <b>GL, DNV, LR, RINA, BS</b>	-40 to +100		28.0	25.0	22.5	19.0	15.0	15.0	11.0	7.5
<ul style="list-style-type: none"> <li><b>No-Skive</b> hose construction – Compact design</li> <li>Nitrile (NBR) inner tube – extended fluid compatibility</li> <li>Extreme abrasion resistant <b>SUPER TOUGH</b> cover</li> <li>Exceeding EN/ISO specifications for pressure, bend radius and abrasion resistance</li> </ul> Tube: Nitrile (NBR) Reinforcement: One high-tensile steel wire braid Cover: Synthetic rubber with a special polyethylene coating	Exceeds <b>DIN EN 857 1SC</b> <b>ISO 11237 Type 1SC</b>	-40 to +100		28.0	25.0	22.5	19.0	15.0	15.0	11.0	7.5



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Grounds & Building Maintenance



Railroad



Personnel Lift Equipment



Oil Field Service



Material Handling



Paving & Road Maintenance



Industrial



Inplant Automotive

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