



# Hydraulic Hoses and Fittings

Medium Pressure



ENGINEERING YOUR SUCCESS.

# Medium Pressure Hoses and Fittings

The perfect range for the more demanding market requirements

This medium pressure hose range contains the Elite No-Skive compact hydraulic hoses exceeding ISO and EN specifications and the classic No-Skive hydraulic hoses according to ISO, EN and SAE specifications. This hose range is complemented by a full selection of compatible No-Skive fittings in steel and stainless steel.

- **Extended range** of working temperatures:  
-50 °C 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 compounds** allows thin covers – less weight – long service life still assured
- **High flexibility** for easier installation and increased service 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 and ageing resistance
- **Parkrimp** machines, portable or bench mount for easy assembly operation – hose assemblies meet CE directives
- Complete **No-Skive fitting technology** across the full range of medium pressure hoses providing simpler, quicker and safer hose assembly



## Applications

The definitive hose range for all medium-pressure applications





# Parkrimp® *No-Skive*

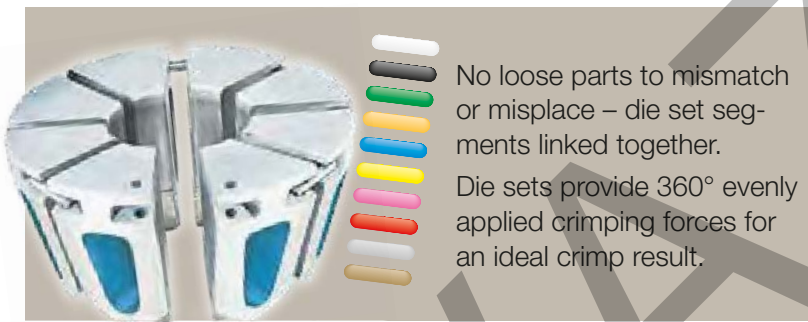
The system for fast and leak-free assemblies

## The perfect match



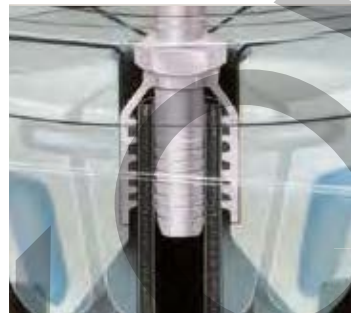
The complete system from one source. No-Skive hose, No-Skive fitting and crimping machine with world-wide guarantee and availability.

## Parker's colour-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.

## Parkalign®



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



## Parkrimp® *No-Skive*

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



KarryKrimp® 1

KarryKrimp® 2



Parkrimp®



KarryKrimp® 2  
Bench Mount

# 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 Elite low temperature hose 461LT can be used in applications with an ambient temperature of down to  $-50^{\circ}\text{C}$ .



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.

# Elite No-Skive Hoses

with outstanding technical properties



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.

The 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



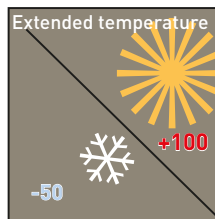
## Long service life achieved through implementing

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



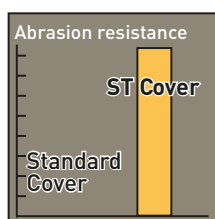
## innovative product line with excellent technical characteristics

- 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

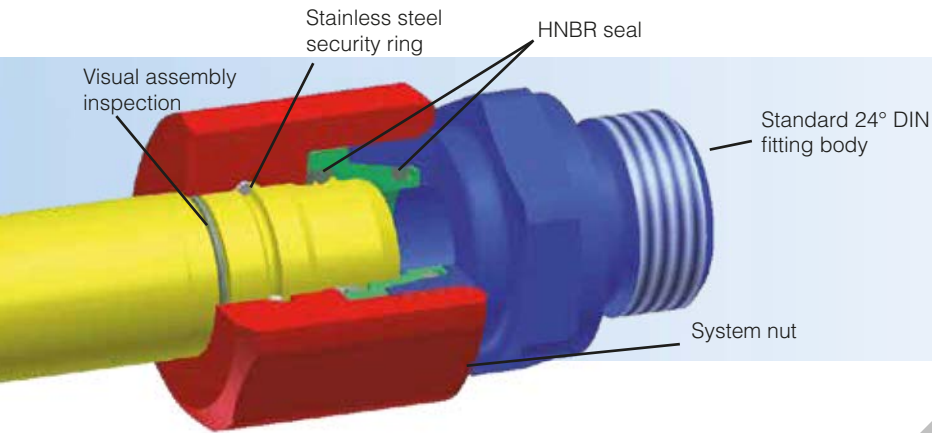


## extreme abrasion resistance

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

# Universal Push-to-Connect (UPTC)

The unique push-in system for tubes and hoses



## As a standard solution it's a stroke of genius

Parker's UPTC is the standardised push-in system for Parker 24° DIN fitting bodies.

### In use with tube and hose

Because of its flexibility, UPTC is a unique push-in system for tube and hose terminations.



### Assembly

- Simply introduce the hose or tube into the works-assembled fitting and push in.



### Assembled connector

#### Simple

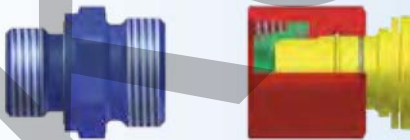
- Visual assembly inspection
- Marker inside the nut = unambiguous assembly results

### Safe

- Security ring locks in place
- Termination is held in the connector

### Leak-proof

- Elastomeric seal
- 100 % leak-proof

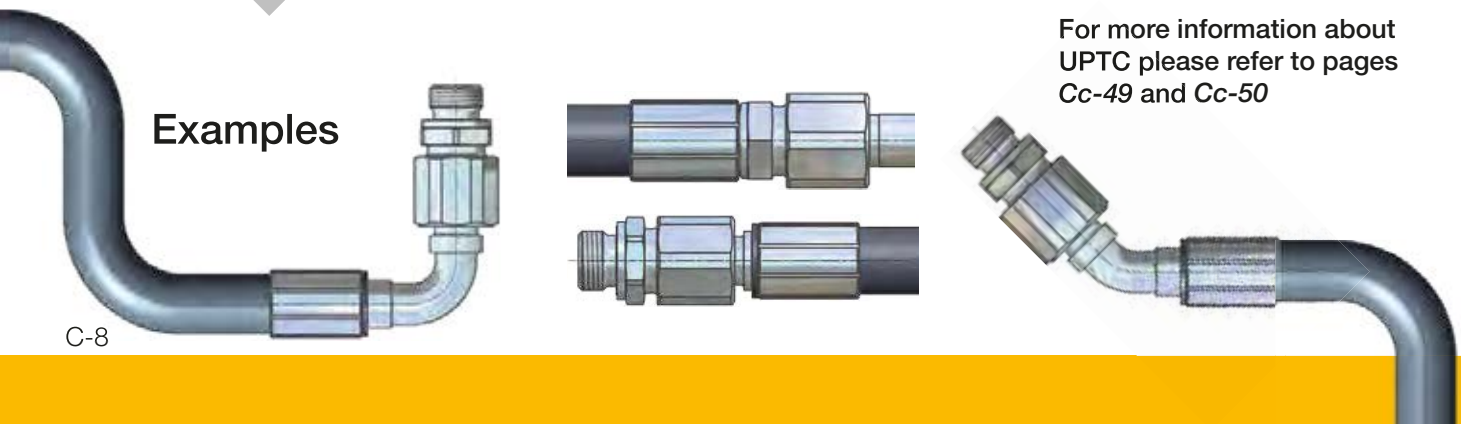


### Disassembly

- Removable and fit for reassembly just like conventional screw fittings – possible even in very dirty conditions

- Repair-friendly
- No special tools required

## Examples



For more information about UPTC please refer to pages Cc-49 and Cc-50



## Medium Pressure

Hoses		Page
<b>BCH1</b> <i>No-Skive</i>	Standard	Cab-1
<b>BCH2</b> <i>No-Skive</i>	Standard	Cab-2
<b>HT2</b> <i>No-Skive</i>	Low / High temperature	Cab-3
<b>301SN</b> <i>No-Skive</i>	Standard	Cab-4
<b>304</b> <i>No-Skive</i>	Phosphate Ester	Cab-5
<b>412</b> <i>Elite No-Skive</i>	Pilot	Cab-6
<b>412ST</b> <i>Elite No-Skive</i>	Pilot	Cab-7
<b>421RH</b> <i>No-Skive</i>	Railway	Cab-8
<b>421SN</b> <i>No-Skive</i>	Standard	Cab-9
<b>421TC</b> <i>No-Skive</i>	Standard	Cab-10
<b>421WC</b> <i>No-Skive</i>	Wire cover	Cab-11
<b>426</b> <i>No-Skive</i>	Low / High temperature	Cab-12
<b>436</b> <i>No-Skive</i>	Low / High temperature	Cab-13
<b>441</b> <i>Elite No-Skive</i>	Standard	Cab-14
<b>441RH</b> <i>No-Skive</i>	Railway	Cab-15
<b>461LT</b> <i>Elite No-Skive</i>	Low / High temperature	Cab-16
<b>462</b> <i>Elite No-Skive</i>	Standard	Cab-17
<b>462PU</b> <i>No-Skive</i>	Polyurethane Cover	Cab-18
<b>462PU Twin</b> <i>No-Skive</i>	Polyurethane Cover	Cab-19
<b>462TC</b> <i>Elite No-Skive</i>	High abrasion resistance	Cab-20
<b>462ST</b> <i>Elite No-Skive</i>	Extreme abrasion resistance	Cab-21
<b>463</b> <i>No-Skive</i>	Water cleaning	Cab-22
<b>471TC</b> <i>No-Skive</i>	High abrasion resistance	Cab-23
<b>477</b> <i>Elite No-Skive</i>	Powerlift	Cab-24
<b>477RH</b> <i>No-Skive</i>	Railway	Cab-25
<b>477TC</b> <i>Elite No-Skive</i>	Powerlift	Cab-26
<b>477ST</b> <i>Elite No-Skive</i>	Powerlift	Cab-27
<b>492</b> <i>Elite No-Skive</i>	Standard	Cab-28
<b>492TC</b> <i>Elite No-Skive</i>	High abrasion resistance	Cab-29
<b>492ST</b> <i>Elite No-Skive</i>	Extreme abrasion resistance	Cab-30
<b>493</b> <i>No-Skive</i>	Water cleaning	Cab-31
<b>692</b> <i>No-Skive</i>	Extremely flexible	Cab-32
<b>692Twin</b> <i>No-Skive</i>	Extremely flexible	Cab-33
<b>692PU</b> <i>No-Skive</i>	Polyurethane Cover	Cab-34
<b>692PU Twin</b> <i>No-Skive</i>	Polyurethane Cover	Cab-35
<b>692TC</b> <i>No-Skive</i>	Extremely flexible	Cab-36
<b>811</b> <i>No-Skive</i>	Suction	Cab-37
<b>811S</b> <i>No-Skive</i>	Suction	Cab-38
<b>881</b> <i>No-Skive</i>	Suction	Cab-39

Fittings Series	43	46/48	2piece 48	2piece IF
Chapter	Cb	Cc	Cd	Ce
<b>DIN – Metric</b>	1 – 4	1 – 9		
<b>BSP</b>	5 – 8	10 – 18		
<b>SAE</b>	9 – 10	19 – 24	1	
<b>Flange</b>	11 – 13	25 – 29	2	1 – 3
<b>ORFS</b>	14 – 15	30 – 35		
<b>JIS</b>		36 – 37		
<b>High Pressure Cleaning</b>		38 – 39		
<b>Others</b>		40		
<b>UPTC</b>		41 – 42		

Parker Hannifin assumes no liability for typographical errors or other errors

## Standard

<p><b>BCH1</b> Cab-1</p>  <p><i>No-skive</i> EN 857 1SC – ISO 11237</p>	<p><b>BCH2</b> Cab-2</p>  <p><i>No-skive</i> EN 857 2SC – ISO 11237</p>	<p><b>301SN</b> Cab-4</p>  <p><i>No-skive</i> EN 853 2SN – ISO 1436 Type 2</p>	<p><b>421SN</b> Cab-9</p>  <p><i>No-skive</i> EN 853 1SN - ISO 1436 Type 1</p>
<p><b>441</b> Cab-14</p>  <p><i>Elite No-skive</i> ISO 11237 Type R16 - SAE 100R16</p>	<p><b>462</b> Cab-17</p>  <p><i>Elite No-skive Compact</i> Exceeds EN 857-2SC - ISO 11237 Type 2SC</p>	<p><b>492</b> Cab-28</p>  <p><i>Elite No-skive Compact</i> EN 857 1SC - ISO 11237 Type 1SC</p>	

## High abrasion resistance

<p><b>421TC</b> Cab-10</p>  <p><i>No-skive</i> EN 853 1SN - ISO 1436 Type 1</p>	<p><b>462TC</b> Cab-20</p>  <p><i>Elite No-skive Compact Tough Cover</i> Exceeds EN 857-2SC - ISO 11237 Type 2SC</p>	<p><b>471TC</b> Cab-23</p>  <p><i>No-skive</i> EN 857 2SC - ISO 11237 Type 2SC</p>	<p><b>492TC</b> Cab-29</p>  <p><i>Elite No-skive Compact Tough Cover</i> EN 857 1SC - ISO 11237 Type 1SC</p>
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## Extreme abrasion resistance

<p><b>462ST</b> Cab-21</p>  <p><i>Elite No-skive Super Tough Compact</i> EN 857 2SC - ISO 11237 Type 2SC</p>	<p><b>492S</b> Cab-30</p>  <p><i>Elite No-skive Super Tough Compact</i> EN 857 1SC - ISO 11237 Type 1SC</p>
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## Low / High temperature

<p><b>HT2</b> Cab-3</p>  <p><i>No-skive Compact</i> Parker specification</p>	<p><b>426</b> Cab-12</p>  <p><i>No-skive</i> SAE 100R1AT high temperature</p>	<p><b>436</b> Cab-13</p>  <p><i>No-skive Compact</i> SAE 100R16 high temperature</p>	<p><b>461LT</b> Cab-16</p>  <p><i>Elite No-skive Compact</i> EN 857 2SC low temperature</p>
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## Phosphate Ester

<p><b>304</b> Cab-5</p>  <p><i>No-skive</i> Phosphate ester resistant hose</p>
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## Railway

**421RH**

Cab-8



*No-skive*  
Fire-retardant cover

**441RH**

Cab-15



*No-skive Compact*  
Fire-retardant cover

**477RH**

Cab-25



*Elite No-skive PowerLift*  
2 wire braided with fire-retardant cover

## Water cleaning

**463**

Cab-22



*No-skive Compact*  
High pressure water cleaning applications

**493**

Cab-31



*No-skive Compact*  
High pressure water cleaning applications

## Pilot

**412**

Cab-6



*Elite No-skive RemoFlex*  
1 wire braided hose for pilot lines

**412ST**

Cab-7

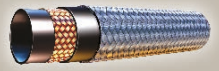


*Elite No-skive RemoFlex*  
1 wire braided hose for pilot lines

## Wire cover

**421WC**

Cab-11



*No-skive*  
Galvanised steel wire cover

## Powerlift

**477**

Cab-24



*Elite No-skive PowerLift*  
2 wire braided

**477TC**

Cab-26



*Elite No-skive PowerLift Tough Cover*  
2 wire braided

**477ST**

Cab-27



*Elite No-skive PowerLift*  
2 wire braided

## Extremely flexible

**692**

Cab-32



*No-skive Compact*  
Constant pressure, tight bend radius

**692Twin**

Cab-33



*No-skive Compact*  
Twin constant pressure, tight bend radius

**692TC**

Cab-36



*No-skive Compact Tough Cover*  
Constant pressure, tight bend radius

## Polyurethane Cover

### 462PU

Cab-18



*No-skive Compact*  
Polyurethane Cover

### 462PU Twin

Cab-19



*No-skive Compact*  
Twin Hose with Polyurethane Cover

### 692PU

Cab-34



*No-skive Compact*  
Polyurethane Cover

### 692PU Twin

Cab-35



*No-skive Compact*  
Twin Hose with Polyurethane Cover

## Suction

### 811

Cab-37



*No-skive*  
Suction and Return Line  
SAE 100R4

### 811S

Cab-38



*No-skive*  
Suction and Return Line  
Exceeds SAE 100R4

### 881

Cab-39



*No-skive*  
Suction and Return Line  
SAE 100R4

# BCH1

*No-Skive*

EN 857 1SC – ISO 11237



- *No-Skive* hose construction
- High performance
- NBR inner tube – extended fluid compatibility
- Meets specified working pressure and bend radius of EN 857 1SC
- Synthetic rubber cover compound
- Tight bending radius

## Primary Applications

Demanding medium pressure hydraulic applications in all markets

## 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

## 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		min. burst pressure			
						MPa	psi	MPa	psi		
BCH1-4	6	1/4	-4	6.4	11.5	22.5	3260	90.0	13050	75	0.17
BCH1-5	8	5/16	-5	7.9	13.6	21.5	3110	86.0	12470	85	0.20
BCH1-6	10	3/8	-6	9.5	15.5	18.0	2610	72.0	10440	90	0.24
BCH1-8	12	1/2	-8	12.7	18.9	16.0	2320	64.0	9280	130	0.33
BCH1-10	16	5/8	-10	15.9	22.2	13.0	1885	52.0	7540	150	0.41
BCH1-12	20	3/4	-12	19.1	26.0	10.5	1520	42.0	6080	180	0.56
BCH1-16	25	1	-16	25.4	33.3	8.8	1275	35.2	5100	230	0.75

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

## Hose layline example

**Parker** NO-SKIVE BCH1-6 WP 18.0 MPa (2610 PSI) | •• 10 mm (3/8) EN857/1SC/10 MADE IN ITALY



## BCH2

*No-Skive*

EN 857 2SC – ISO 11237



- *No-Skive* hose construction
- High performance
- NBR inner tube – extended fluid compatibility
- Meets specified working pressure and bend radius of EN 857 2SC
- Synthetic rubber cover compound
- Tight bending radius

### Primary Applications

Demanding medium pressure hydraulic applications in all markets

### Construction

Inner tube: Nitrile (NBR)  
Reinforcement: Two high-tensile steel wire braids  
Cover: Synthetic rubber

Temperature Range ..... -40 °C up to +100 °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. 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		min. burst pressure			
						MPa	psi	MPa	psi		
BCH2-4	6	1/4	-4	6.4	13.4	40.0	5800	160.0	23200	75	0.28
BCH2-5	8	5/16	-5	7.9	15.0	35.0	5000	140.0	20000	85	0.31
BCH2-6	10	3/8	-6	9.5	17.2	33.0	4800	132.0	19200	90	0.39
BCH2-8	12	1/2	-8	12.7	20.4	27.5	4000	110.0	16000	130	0.50
BCH2-10	16	5/8	-10	15.9	23.9	25.0	3600	100.0	14400	170	0.63
BCH2-12	20	3/4	-12	19.1	27.7	21.5	3100	86.0	12400	200	0.81
BCH2-16	25	1	-16	25.4	35.4	16.5	2400	66.0	9600	250	1.06

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

### Hose layline example

**Parker** NO-SKIVE BCH2-6 WP 33 MPa (4800 PSI) 1 •• 10 mm (3/8) EN857/2SC/10 MADE IN ITALY

# HT2

## No-Skive Compact

Parker specification



- **No-Skive** hose construction  
– Compact design
- +125 °C working temperature with peaks up to +135 °C

### Primary Applications

Many industrial and mobile applications, with typical usage seen on agricultural machines or in power steering circuits

### Applicable Specifications

Parker Specification

### Construction

Inner tube: Nitrile (NBR)  
Reinforcement: Two high-tensile steel wire braids  
Cover: Synthetic rubber

Temperature Range ..... -40 °C up to +125 °C  
with peaks up to +135 °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. 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	min. burst pressure MPa	min. burst pressure			
								psi	psi		
HT2-4	6	1/4	4	6.4	13.4	35.0	5000	140.0	20000	50	0.30
HT2-5	8	5/16	5	7.9	15.0	29.7	4250	118.8	17000	55	0.35
HT2-6	10	3/8	6	9.5	17.2	28.0	4000	112.0	16000	65	0.42
HT2-8	12	1/2	8	12.7	20.4	24.5	3500	98.0	14000	90	0.52
HT2-10	16	5/8	10	15.9	23.9	19.2	2750	76.8	11000	100	0.66
HT2-12	19	3/4	12	19.1	27.7	15.7	2250	62.8	9000	120	0.86
HT2-16	25	1	16	25.4	35.4	14.0	2000	56.0	8000	150	1.17

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

### Hose layline example



# 301SN

*No-skive*

EN 853 2SN – ISO 1436 Type 2



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

## Primary Applications

General medium pressure hydraulic applications

## Type Approvals

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

## Applicable Specifications

EN 853 2SN – ISO 1436 Type 2 – SAE 100R2AT

## Construction

Inner tube: Nitrile (NBR)  
Reinforcement: Two high-tensile steel wire braids  
Cover: Synthetic rubber

Temperature Range ..... -40 °C up to +100 °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. 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		
301SN-4	6	1/4	-4	6.4	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	19	3/4	-12	19.1	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	31	1 1/4	-20	31.8	47.5	12.5	1800	50.0	7200	420	1.73
301SN-24	38	1 1/2	-24	38.1	55.0	9.0	1300	36.0	5200	500	2.14
301SN-32	51	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.

## Hose layline example

PARKER NO-SKIVE 301SN-4 WP 40,0 MPa (400 BAR) | - SAE100R2AT-4 6,3MM (1/4") X 2W EN853/2SN/6/DIN



# 304

## No-Skive

Phosphate ester resistant hose



- **No-Skive** thin cover hose construction
- Phosphate ester and weather resistant, green, EPDM synthetic rubber cover
- SAE 100R2 pressure rating

### Primary Applications

Aerospace, foundries, steel mills:  
Medium pressure hydraulic applications with phosphate ester fluids

### Applicable Specifications

Parker Specification

### Restrictions

Do not allow tube to contact any petroleum base fluids.  
Use liquid soap as hose lubricant.

### Construction

Inner tube: EPDM synthetic rubber  
Reinforcement: Two high-tensile steel wire braids  
Cover: EPDM synthetic rubber green, phosphate ester and weather resistant

### Recommended Fluids

Phosphate ester based hydraulic fluids, water-glycol based fluids, air and water.  
Consult the chemical compatibility section on pages **Ab-26** to **Ab-34** for more detailed information.

Temperature Range ..... -40 °C up to +80 °C

Exception: Air ..... max. +70 °C  
Water, water glycol fluids .. max. +85 °C

### Fitting Series

Series 43 for sizes -4 up to -32  
Series 48 for sizes -20 up to -32



Part Number	Hose I.D.				Hose O.D. mm	Pressure Rating				min. bend radius mm	weight kg
	DN	Inch	Size	mm		max. working pressure		min. burst pressure			
						MPa	psi	MPa	psi		
304-4	6	1/4	-4	6.4	15.0	34.5	5000	138.0	20000	100	0.39
304-6	10	3/8	-6	9.5	19.0	27.5	4000	110.0	16000	130	0.55
304-8	12	1/2	-8	12.7	22.0	24.0	3500	96.0	14000	180	0.67
304-12	19	3/4	-12	19.1	30.0	15.5	2250	62.0	9000	240	1.00
304-16	25	1	-16	25.4	38.0	13.8	2000	55.0	8000	300	1.49
304-20	31	1 1/4	-20	31.8	48.0	11.2	1625	45.0	6500	420	1.73
304-24	38	1 1/2	-24	38.1	55.0	8.6	1250	35.0	5075	500	2.14
304-32	51	2	-32	50.8	68.0	7.8	1125	31.0	4500	630	2.96

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

### Hose layline example



# 412

## Elite No-Skive RemoFlex

1 wire braided hose for pilot lines



- **No-Skive** hose construction
- 12.0 MPa rubber pilot line hose (20 % higher working pressure than 402 hose)
- Very tight bending radii – allowing compact machine design

### Primary Applications

Mobile hydraulic equipment: Pilot lines

### 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

### 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

- Available as complete hose assembly



Part Number	Hose I.D.				Hose O.D. mm	Pressure Rating				min. bend radius mm	weight kg
	DN	Inch	Size	mm		max. working pressure		min. burst pressure			
						MPa	psi	MPa	psi		
412-3	5	3/16	-3	4.8	9.1	12.0	1700	48.0	6800	20	0.08
412-4	6	1/4	-4	6.4	11.0	12.0	1700	48.0	6800	25	0.14
412-5	8	5/16	-5	7.9	13.0	12.0	1700	48.0	6800	30	0.18
412-6	10	3/8	-6	9.5	14.0	12.0	1700	48.0	6800	40	0.23

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

### Hose layline example

**Parker** **Elite 412** 412-3 RemoFlex WP 12,0 MPa (1700 PSI) | • • 5 mm (3/16") Made in Italy

# 412ST

## Elite No-Skive RemoFlex

1 wire braided hose for pilot lines



- **No-Skive** hose construction
- 12.0 MPa rubber pilot line hose
- Very tight bending radii – allowing compact machine design
- Extreme abrasion resistant **SUPER TOUGH** cover

### Primary Applications

Mobile hydraulic equipment: Pilot lines

### Construction

Inner tube: Nitrile (NBR)  
 Reinforcement: One high-tensile steel wire braid  
 Cover: Synthetic rubber with a special polyethylene coating

### 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.

Temperature Range ..... -40 °C up to +100 °C  
 Exception: Air ..... max. +70 °C  
 Water ..... max. +85 °C

Consult the chemical compatibility section on pages **Ab-26** to **Ab-34** for more detailed information.

### Fitting Series

- Available as complete hose assembly



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	min. burst pressure MPa	min. burst pressure			
								psi	psi		
412ST-3	5	3/16	-3	4.8	9.6	12.0	1700	48.0	6800	20	0.08
412ST-4	6	1/4	-4	6.4	11.6	12.0	1700	48.0	6800	25	0.14
412ST-5	8	5/16	-5	7.9	13.0	12.0	1700	48.0	6800	30	0.18
412ST-6	10	3/8	-6	9.5	14.0	12.0	1700	48.0	6800	40	0.23

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

Hose layline example

**Parker** **Elite 4** **SUPER TOUGH** 412ST-6 RemoFlex WP 12,0 MPa (1700 PSI) | • 9,5 mm (3/8") Made in Italy



# 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		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



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

## 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

## 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		min. burst pressure			
						MPa	psi	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) | \* \* SAE 100R1AT-8 12,5 MM (1/2) X1W EN 853/1SN/12/DIN

# 421TC

*No-Skive*

EN 853 1SN - ISO 1436 Type 1



- *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

## 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

## 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.

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

Exception: Air ..... max. +70 °C

Water ..... max. +85 °C

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



# 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

### 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.

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

Exception: Air ..... max. +70 °C  
 Water ..... max. +85 °C

### 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		min. burst pressure			
						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.



# 426

## No-Skive

SAE 100R1AT high temperature



- **No-Skive** thin cover hose construction
- SAE 100R1 pressure rating
- Ideal for high temperature applications

### Primary Applications

Medium pressure hydraulic applications at high temperature

### Type Approvals

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

### Applicable Specifications

SAE 100 R1AT

### Construction

- Inner tube: PKR synthetic rubber
- Reinforcement: One high-tensile steel wire braid
- Cover: Synthetic rubber , blue

### 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.

Temperature Range ..... -46 °C up to +150 °C

- Exception: Air ..... max. +70 °C
- Water, water glycol fluids .. max. +85 °C

### Fitting Series

- Series 43 for sizes -4 up to -6
- Series 48 for sizes -8 up to -32



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		
426-4-RL	6	1/4	-4	6.4	13.4	19.2	2750	77.0	11000	100	0.24
426-6-RL	10	3/8	-6	9.5	17.4	15.7	2250	63.0	9000	125	0.34
426-8-RL	12	1/2	-8	12.7	20.7	14.0	2000	56.0	8000	180	0.43
426-10-RL	16	5/8	-10	15.9	23.9	10.5	1500	42.0	6000	200	0.49
426-12-RL	19	3/4	-12	19.1	27.8	8.7	1250	35.0	5075	240	0.65
426-16-RL	25	1	-16	25.4	35.8	7.0	1000	28.0	4000	300	0.98
426-20	31	1 1/4	-20	31.8	45.0	4.3	625	17.2	2500	420	1.40
426-24	38	1 1/2	-24	38.1	51.0	3.5	500	14.0	2000	500	1.46
426-32	51	2	-32	50.8	64.0	2.6	375	10.4	1500	630	2.18

The combination of high temperature and high pressure could reduce the hose life.  
RL = only available on reels.

### Hose layline example



# 436

## No-Skive Compact

SAE 100R16 high temperature



- **No-Skive** thin cover hose construction
- Compact hose construction with tight bend radius
- MSHA approved
- Ideal for high temperature applications

### Primary Applications

Medium pressure hydraulic applications at high temperature

### Type Approvals

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

### Applicable Specifications

SAE 100R16

### Construction

Inner tube: PKR synthetic rubber  
Reinforcement: Two high-tensile steel wire braids  
Cover: MSHA approved blue

### 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.

Temperature Range ..... -48 °C up to +150 °C

Exception: Air ..... max. +70 °C  
Water, water glycol fluids ... max. +85 °C

### 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		
436-6-BLU-RL	10	3/8	-6	9.5	17.0	27.5	4000	110.0	16000	65	0.42
436-8-BLU-RL	12	1/2	-8	12.7	20.0	24.0	3500	96.0	14000	90	0.51
436-10-BLU-RL	16	5/8	-10	15.9	24.0	19.0	2750	76.0	11000	100	0.66
436-12-BLU-RL	19	3/4	-12	19.1	28.0	15.5	2250	62.0	9000	120	0.80
436-16-BLU-RL	25	1	-16	25.4	36.0	13.8	2000	55.0	8000	150	1.22

The combination of high temperature and high pressure could reduce the hose life.  
RL = only available on reels.

### Hose layline example



# 441

## Elite No-Skive

ISO 11237 Type R16 - SAE 100R16



- **No-Skive** hose construction
- One wire braid construction – two wire braid performance
- +125 °C working temperature

### Primary Applications

Many industrial and mobile applications, with typical usage seen on agricultural machines or in power steering circuits

### Applicable Specifications

ISO 11237 Type R16 – SAE 100R16

### Construction

Inner tube: Synthetic rubber  
Reinforcement: One high-tensile steel wire braid  
Cover: Synthetic rubber

### 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.

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

Exception: Air ..... max. +70 °C  
Water ..... max. +85 °C

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		
441-4	6	1/4	-4	6.4	13.4	35.0	5000	140.0	20000	50	0.27
441-5	8	5/16	-5	7.9	15.0	29.7	4250	118.8	17000	55	0.32
441-6	10	3/8	-6	9.5	17.4	28.0	4000	112.0	16000	65	0.42
441-8	12	1/2	-8	12.7	20.7	24.5	3500	98.0	14000	90	0.50
441-10	16	5/8	-10	15.9	23.8	19.2	2750	76.8	11000	100	0.65
441-12	19	3/4	-12	19.1	27.8	15.7	2250	62.8	9000	120	0.80
441-16	25	1	-16	25.4	35.8	14.0	2000	56.0	8000	150	1.22

The combination of high temperature and high pressure could reduce the hose life.  
Also available on reels up to size -12 under part number 441-xx-RL

### Hose layline example



# 441RH

## No-Skive Compact

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

Parker Specification; Working pressure to SAE 100R2;  
Bend radius to SAE 100R16

### Construction

Inner tube: Synthetic rubber  
Reinforcement: One high-tensile steel wire braid  
Cover: Fire retardant synthetic rubber

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

Exception: Air ..... max. +70 °C  
Water ..... max. +85 °C



- **No-Skive** hose construction
- One wire braid construction – two wire braid performance
- +125 °C working temperature
- Fire-retardant cover
- Railway approved:
  - European Standard EN45545 HL2 for R22 (internal) and HL3 for 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	max. working pressure psi	min. burst pressure MPa	min. burst pressure psi		
441RH-4	6	1/4	-4	6.4	13.4	35.0	5000	140.0	20000	50	0.27
441RH-5	8	5/16	-5	7.9	15.0	29.7	4250	118.8	17000	55	0.32
441RH-6	10	3/8	-6	9.5	17.4	28.0	4000	112.0	16000	65	0.42
441RH-8	12	1/2	-8	12.7	20.7	24.5	3500	98.0	14000	90	0.50
441RH-10	16	5/8	-10	15.9	23.8	19.2	2750	76.8	11000	100	0.65
441RH-12	19	3/4	-12	19.1	27.8	15.7	2250	62.8	9000	120	0.80
441RH-16	25	1	-16	25.4	35.8	14.0	2000	56.0	8000	150	1.22

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

### Hose layline example





# 461LT

## Elite No-Skive Compact

EN 857 2SC low temperature



- **No-Skive** thin cover hose construction
- Excellent ozone resistance
- Ideal for low temperature working conditions (-50 °C)

### Primary Applications

Mobile applications in low temperature environments:  
Forestry machines, refrigerated warehouses

### Applicable Specifications

EN 857 2SC

### Construction

Inner tube: Synthetic rubber  
Reinforcement: Two high-tensile steel wire braids  
Cover: Synthetic rubber

Temperature Range ..... -50 °C up to +100 °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. 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		
461LT-4	6	1/4	-4	6.4	13	42.5	6160	170.0	24640	75	0.30
461LT-5	8	5/16	-5	7.9	15	40.0	5800	160.0	23200	85	0.35
461LT-6	10	3/8	-6	9.5	17	35.0	5075	140.0	20300	90	0.42
461LT-8	12	1/2	-8	12.7	21	31.0	4495	124.0	17980	130	0.52
461LT-10	16	5/8	-10	15.9	24	28.0	4060	112.0	16240	160	0.66
461LT-12	19	3/4	-12	19.1	28	28.0	4060	112.0	16240	195	0.86
461LT-16	25	1	-16	25.4	35	21.0	3045	84.0	12180	250	1.17

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

### Hose layline example



# 462

## Elite No-Skive Compact

Exceeds EN 857-2SC - ISO 11237 Type 2SC

### Primary Applications

Demanding medium pressure hydraulic applications in all markets

### Type Approvals

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

### Applicable Specifications

Exceed EN 857-2SC – ISO 11237 Type 2SC

### Construction

- Inner tube: Nitrile (NBR)
- Reinforcement: Two high-tensile steel wire braids
- Cover: Synthetic rubber

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

- Exception: Air ..... max. +70 °C
- Water ..... max. +85 °C



- **EVO** improved performance from size 4 up to 16
- **No-Skive** hose construction – Compact design
- Nitrile (NBR) inner tube – extended fluid compatibility
- Exceeding EN/ISO specifications for pressure, bend radius and abrasion resistance

### 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

- Size -4 up to -16
- Size -20



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		
<b>EVO</b> 462-4	6	1/4	-4	6.4	13.4	42.5	6160	170.0	24640	75	0.30
<b>EVO</b> 462-5	8	5/16	-5	7.9	15.0	40.0	5800	160.0	23200	85	0.35
<b>EVO</b> 462-6	10	3/8	-6	9.5	17.2	35.0	5075	140.0	20300	90	0.42
<b>EVO</b> 462-8	12	1/2	-8	12.7	20.4	31.0	4495	124.0	17980	130	0.52
<b>EVO</b> 462-10	16	5/8	-10	15.9	23.9	28.0	4060	112.0	16240	160	0.66
<b>EVO</b> 462-12	19	3/4	-12	19.1	27.7	28.0	4060	112.0	16240	195	0.86
<b>EVO</b> 462-16	25	1	-16	25.4	35.4	21.0	3045	84.0	12180	250	1.17
462-20	31	1 1/4	-20	31.8	45.1	17.2	2495	68.8	9980	335	1.80

The combination of high temperature and high pressure could reduce the hose life.  
From size -4 to -16, smooth cover, 462-20 wrapped cover  
Also available in reels up to size -12 under part number 462-xx-RL

### Hose layline example



# 462PU

## No-Skive Compact

Polyurethane Cover

### Primary Applications

For truck cranes and lifting equipment such as forklift trucks, aerial lifts, cranes, telehandlers, lifting platforms. Ideal for over-the-sheave or reel applications. The best solution for all the demanding medium pressure hydraulic applications in all markets, especially mobile and construction equipment.

### Applicable Specifications

Exceed EN 857 2SC - ISO 11237 type 2SC

### Construction

Inner tube: Nitrile (NBR)  
Reinforcement: Two high-tensile steel wire braids  
Cover: Premium-quality polyurethane

Temperature Range ..... -50 °C up to +100 °C

Exception: Air ..... max. +70 °C  
Water ..... max. +85 °C



- **No-Skive** hose construction – Compact design
- High abrasion and shock resistance
- High flexibility even at cold conditions
- High ozone-, UV-, weathering and seawater resistance
- Extended fluid compatibility
- Exceeding EN/ISO specifications

### 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		min. burst pressure			
						MPa	psi	MPa	psi		
462PU-4	6	1/4	-4	6,4	13,4	42,5	6160	170,0	24640	75	0,30
462PU-5	8	5/16	-5	7,9	15,0	40,0	5800	160,0	23200	85	0,35
462PU-6	10	3/8	-6	9,5	17,2	35,0	5075	140,0	20300	90	0,42
462PU-8	12	1/2	-8	12,7	20,4	31,0	4495	124,0	17980	130	0,52
462PU-10	16	5/8	-10	15,9	23,9	28,0	4060	112,0	16240	160	0,66

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

### Hose layline example

PARKER ELITE 462PU-8 WP 31,0 MPa (4495 psi) | • • 12,5 mm (1/2 “)

# 462PU Twin

## No-Skive Compact

Twin Hose with Polyurethane Cover

### Primary Applications

For truck cranes and lifting equipment such as forklift trucks, aerial lifts, cranes, telehandlers, lifting platforms. Ideal for over-the-sheave or reel applications. The best solution for all the demanding medium pressure hydraulic applications in all markets, especially mobile and construction equipment.

### Applicable Specifications

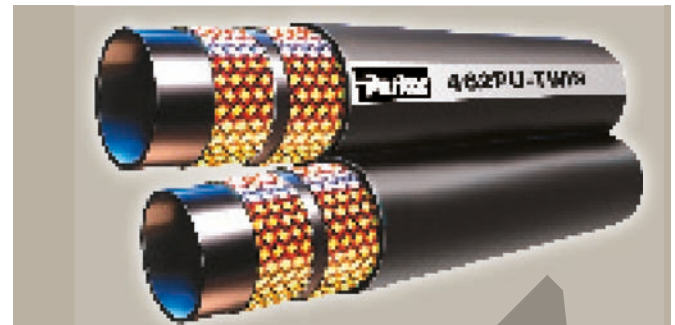
Exceed EN 857 2SC - ISO 11237 type 2SC

### Construction

Inner tube: Nitrile (NBR)  
Reinforcement: Two high-tensile steel wire braids  
Cover: Premium-quality polyurethane

Temperature Range ..... -50 °C up to +100 °C

Exception: Air ..... max. +70 °C  
Water ..... max. +85 °C



- **No-Skive** hose construction – Compact design
- High abrasion and shock resistance
- High flexibility even at cold conditions
- High ozone-, UV-, weathering and seawater resistance
- Extended fluid compatibility
- Exceeding EN/ISO specifications

### 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	max. working pressure psi	min. burst pressure MPa	min. burst pressure psi		
462PU-4-4	6	1/4	-4	6.4	28.2	42.5	6160	170.0	24640	75	0.60
462PU-5-5	8	5/16	-5	7.9	32.5	40.0	5800	160.0	23200	85	0.70
462PU-6-6	10	3/8	-6	9.5	35.0	35.0	5075	140.0	20300	90	0.85
462PU-8-8	12	1/2	-8	12.7	41.5	31.0	4495	124.0	17980	130	1.00
462PU-10-10	16	5/8	-10	15.9	48.7	28.0	4060	112.0	16240	160	1.35

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

Hose layline example





# 462TC

## Elite No-Skive Compact Tough Cover

Exceeds EN 857-2SC - ISO 11237 Type 2SC

### Primary Applications

Demanding medium pressure hydraulic applications in all markets

### Type Approvals

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

### Applicable Specifications

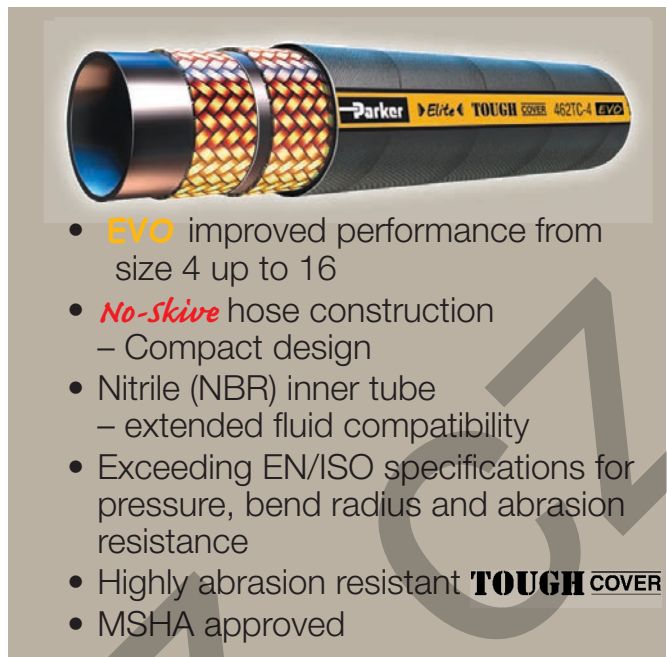
Exceed EN 857-2SC – ISO 11237 Type 2SC

### Construction

Inner tube: Nitrile (NBR)  
Reinforcement: Two high-tensile steel wire braids  
Cover: Highly abrasion resistance  
MSHA approved

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

Exception: Air ..... max. +70 °C  
Water ..... max. +85 °C



- **EVO** improved performance from size 4 up to 16
- **No-Skive** hose construction – Compact design
- Nitrile (NBR) inner tube – extended fluid compatibility
- Exceeding EN/ISO specifications for pressure, bend radius and abrasion resistance
- Highly abrasion resistant **TOUGH COVER**
- MSHA approved

### 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

Size -4 up to -16

Size -20 up to -32

Size -40 up to -48



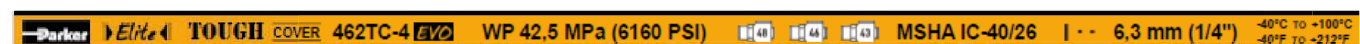
**2piece 48**

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		
<b>EVO</b> 462TC-4	6	1/4	-4	6.4	13.4	42.5	6160	170.0	24640	75	0.30
<b>EVO</b> 462TC-5	8	5/16	-5	7.9	15.0	40.0	5800	160.0	23200	85	0.35
<b>EVO</b> 462TC-6	10	3/8	-6	9.5	17.2	35.0	5075	140.0	20300	90	0.42
<b>EVO</b> 462TC-8	12	1/2	-8	12.7	20.4	31.0	4495	124.0	17980	130	0.52
<b>EVO</b> 462TC-10	16	5/8	-10	15.9	23.9	28.0	4060	112.0	16240	160	0.66
<b>EVO</b> 462TC-12	19	3/4	-12	19.1	27.7	28.0	4060	112.0	16240	195	0.86
<b>EVO</b> 462TC-16	25	1	-16	25.4	35.4	21.0	3045	84.0	12180	250	1.17
462TC-20 *	31	1 1/4	-20	31.8	45.1	17.2	2495	68.8	9980	335	1.80
462TC-24 *	38	1 1/2	-24	38.1	52.0	14.6	2118	58.4	8472	400	2.20
462TC-32 *	51	2	-32	50.8	64.0	11.2	1624	44.8	6496	500	2.90
462TC-40 **	63	2 1/2	-40	63.5	76.0	7.0	1015	28.0	4060	760	3.00
462TC-48 **	76	3	-48	76.2	87.5	7.0	1015	28.0	4060	760	3.30

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

\* only with fitting series 46

### Hose layline example



# 462ST

## Elite No-Skive Super Tough Compact

EN 857 2SC - ISO 11237 Type 2SC



- **EVO** improved performance from size 4 up to 16
- **No-Skive** hose construction – Compact design
- Nitrile (NBR) inner tube – extended fluid compatibility
- Extreme abrasion resistant **SUPER TOUGH** cover
- Exceeding EN/ISO specifications for pressure, bend radius and abrasion resistance

### Primary Applications

Mobile market: Medium pressure hydraulic applications with extremely high abrasion risks

### Applicable Specifications

EN 857 2SC – ISO 11237 Type 2SC

### Construction

Inner tube: Nitrile (NBR)  
Reinforcement: Two high-tensile steel wire braids  
Cover: Synthetic rubber with a special polyethylene coating

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

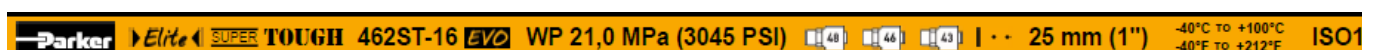
Size -4 up to -16  
Size -20



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		
<b>EVO</b> 462ST-4	6	1/4	-4	6.4	13.4	42.5	6160	170.0	24640	75	0.30
<b>EVO</b> 462ST-5	8	5/16	-5	7.9	15.0	40.0	5800	160.0	23200	85	0.35
<b>EVO</b> 462ST-6	10	3/8	-6	9.5	17.2	35.0	5075	140.0	20300	90	0.42
<b>EVO</b> 462ST-8	12	1/2	-8	12.7	20.4	31.0	4495	124.0	17980	125	0.52
<b>EVO</b> 462ST-10	16	5/8	-10	15.9	23.9	28.0	4060	112.0	16240	160	0.66
<b>EVO</b> 462ST-12	19	3/4	-12	19.1	27.7	28.0	4060	112.0	16240	195	0.86
<b>EVO</b> 462ST-16	25	1	-16	25.4	35.4	21.0	3045	84.0	12180	250	1.17
462ST-20 *	31	1 1/4	-20	31.8	45.1	17.2	2495	68.8	9980	335	1.80

The combination of high temperature and high pressure could reduce the hose life.  
\* only with fitting series 46

### Hose layline example



# 463

## No-Skive Compact

High pressure water cleaning applications



### Primary Applications

High pressure water cleaners

### Construction

- Inner tube: Synthetic rubber
- Reinforcement: Two high-tensile steel wire braids
- Cover: Synthetic rubber , black or blue

Temperature Range .....Water max. +120 °C

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		
463-5	8	5/16	-5	7.9	15.0	40.0	5800	120.0	17400	75	0.31
463-5-BLU	8	5/16	-5	7.9	15.0	40.0	5800	120.0	17400	75	0.31
463-6	10	3/8	-6	9.5	17.4	40.0	5800	120.0	17400	90	0.38
463-6-BLU	10	3/8	-6	9.5	17.4	40.0	5800	120.0	17400	90	0.38
463-8	12	1/2	-8	12.7	20.6	35.0	5075	105.0	15225	110	0.48
463-8-BLU	12	1/2	-8	12.7	20.6	35.0	5075	105.0	15225	110	0.48

WKS rubber hand grip for No-Skive high pressure water cleaning hoses can be found on page Eb-20.  
The combination of high temperature and high pressure could reduce the hose life.  
Also available on reels under part number 463-xx-RL

Hose layline example



# 471TC

*No-Skive*

EN 857 2SC - ISO 11237 Type 2SC



- *No-Skive* hose construction – Compact design
- Reduced bend radii
- Highly abrasion resistant **TOUGH COVER**
- MSHA approved
- Hose is suitable for temporary immersion in mineral oil up to 70 °C with frequent inspections

## Primary Applications

Small bending radii demanding medium pressure hydraulic applications

## Type Approvals

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

## Applicable Specifications

EN 857 2SC – ISO 11237 Type 2SC

## Construction

Inner tube: Synthetic rubber  
Reinforcement: Two high-tensile steel wire braids  
Cover: Highly abrasion resistance  
MSHA approved

## 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.

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

Exception: Air ..... max. +70 °C

Water ..... max. +85 °C

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		
471TC-4	6	1/4	-4	6.4	13	40.0	5800	160.0	23200	50	0.30
471TC-5	8	5/16	-5	7.9	15	36.0	5250	144.0	21000	55	0.35
471TC-6	10	3/8	-6	9.5	17	35.0	5075	140.0	20000	65	0.42
471TC-8	12	1/2	-8	12.7	20	29.7	4250	119.0	17000	90	0.52
471TC-10	16	5/8	-10	15.9	24	25.0	3625	100.0	14500	100	0.66
471TC-12	19	3/4	-12	19.1	28	21.5	3125	86.0	12500	120	0.86
471TC-16	25	1	-16	25.4	35	17.5	2500	70.0	10000	150	1.17

Replace the hose when any deformation or damages on the hose cover are visible.  
The combination of high temperature and high pressure could reduce the hose life.

Hose layline example

**Parker TOUGH COVER 471TC-8 WP 29,7 MPa (4250 PSI) MSHA IC-40/26 — — . . . ISO11237/EN**



# 477

## Elite No-Skive PowerLift

2 wire braided



- **No-Skive** hose construction – Compact design
- Smaller bend radius and reduced outside diameter bringing a significant advantage in terms of space and weight on compact equipment

### Primary Applications

For truck cranes and lifting equipment such as fork lift trucks, aerial lifts, cranes, telehandlers, lifting platforms.

### Restrictions

Should not be used for high impulse hydraulic applications to replace spiral construction hoses.

### Construction

Inner tube: Nitrile (NBR)  
Reinforcement: Two high-tensile steel wire braids  
Cover: Synthetic rubber

Temperature Range ..... -40 °C up to +100 °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. 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		
477-4	6	1/4	-4	6.4	13.1	45.0	6500	180.0	26000	65	0.32
477-5	8	5/16	-5	7.9	14.9	42.5	6100	170.0	24400	70	0.35
477-6	10	3/8	-6	9.5	17.2	40.0	5800	160.0	23200	75	0.42
477-8	12	1/2	-8	12.7	20.4	38.0	5500	152.0	22000	105	0.55
477-10	16	5/8	-10	15.9	23.4	35.0	5000	140.0	20000	160	0.65
477-12	19	3/4	-12	19.1	27.2	35.0	5000	140.0	20000	200	1.10
477-16	25	1	-16	25.4	34.8	28.0	4000	112.0	16000	250	1.34

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

### Hose layline example



# 477RH

## Elite No-Skive PowerLift

2 wire braided with fire-retardant cover



- **No-Skive** hose construction – Compact design
- Smaller bend radius and reduced outside diameter
- Fire-retardant cover
- Railway approved:
  - European Standard EN45545 HL2 for R22 (internal) and HL3 for R23 (external)

### Primary Applications

For general medium pressure hydraulic and demanding bending radii applications such as lifting equipment.

### Type Approvals

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

### Restrictions

Should not be used for high impulse hydraulic applications to replace spiral construction hoses.

### Construction

Inner Tube: Nitrile (NBR)  
Reinforcement: Two high-tensile steel wire braids  
Cover: Fire retardant synthetic rubber

Temperature Range ..... -40 °C up to +100 °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. 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		
477RH-4	6	1/4	-4	6.4	13.1	45.0	6500	180.0	26000	65	0.32
477RH-5	8	5/16	-5	7.9	14.9	42.5	6100	170.0	24400	70	0.35
477RH-6	10	3/8	-6	9.5	17.2	40.0	5800	160.0	23200	75	0.42
477RH-8	12	1/2	-8	12.7	20.4	38.0	5500	152.0	22000	105	0.55
477RH-10	16	5/8	-10	15.9	23.4	35.0	5000	140.0	20000	160	0.65
477RH-12	19	3/4	-12	19.1	27.2	35.0	5000	140.0	20000	200	1.10
477RH-16	25	1	-16	25.4	34.8	28.0	4000	112.0	16000	250	1.34

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

### Hose layline example

**Parker** 477RH-8 WP 38,0 MPa (5500 PSI) I° - EN 45545 - 12,5 mm (1/2") MADE IN ITALY

# 477TC

## Elite No-Skive PowerLift Tough Cover

2 wire braided



- **No-Skive** hose construction – Compact design
- Smaller bend radius and reduced outside diameter bringing a significant advantage in terms of space and weight on compact equipment
- Highly abrasion resistant **TOUGH COVER**
- MSHA approved
- Hose is suitable for temporary immersion in mineral oil up to 70 °C with frequent inspections

### Primary Applications

For truck cranes and lifting equipment such as fork lift trucks, aerial lifts, cranes, telehandlers, lifting platforms.

### Restrictions

Should not be used for high impulse hydraulic applications to replace spiral construction hoses.

### Construction

Inner tube: Nitrile (NBR)  
Reinforcement: Two high-tensile steel wire braids  
Cover: Highly abrasion resistance  
MSHA approved

Temperature Range ..... -40 °C up to +100 °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. 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		
477TC-4	6	1/4	-4	6.4	13.1	45.0	6500	180.0	26000	65	0.32
477TC-5	8	5/16	-5	7.9	14.9	42.5	6100	170.0	24400	70	0.35
477TC-6	10	3/8	-6	9.5	17.2	40.0	5800	160.0	23200	75	0.42
477TC-8	12	1/2	-8	12.7	20.4	38.0	5500	152.0	22000	105	0.55
477TC-10	16	5/8	-10	15.9	23.4	35.0	5000	140.0	20000	160	0.65
477TC-12	19	3/4	-12	19.1	27.2	35.0	5000	140.0	20000	200	1.10
477TC-16	25	1	-16	25.4	34.8	28.0	4000	112.0	16000	250	1.34

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

### Hose layline example



# 477ST

## Elite No-Skive PowerLift

2 wire braided



- **No-skive** hose construction  
– Compact design
- Extreme abrasion resistant  
**SUPER TOUGH** cover
- Smaller bend radius and reduced outside diameter

### Primary Applications

For truck cranes and lifting equipment such as fork lift trucks, aerial lifts, cranes, telehandlers, lifting platforms.

### Restrictions

Should not be used for high impulse hydraulic applications to replace spiral construction hoses.

### Construction

Inner tube: Nitrile (NBR)  
Reinforcement: Two high-tensile steel wire braids  
Cover: Synthetic rubber with a special polyethylene coating

### 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.

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

Exception: Air ..... max. +70 °C

Water ..... max. +85 °C

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		min. burst pressure			
						MPa	psi	MPa	psi		
477ST-4	6	1/4	-4	6.4	13.1	45.0	6500	180.0	26000	65	0.30
477ST-5	8	5/16	-5	7.9	14.9	42.5	6100	170.0	24400	70	0.35
477ST-6	10	3/8	-6	9.5	17.2	40.0	5800	160.0	23200	75	0.42
477ST-8	12	1/2	-8	12.7	20.4	38.0	5500	152.0	22000	105	0.55
477ST-10	16	5/8	-10	15.9	23.4	35.0	5000	140.0	20000	160	0.65
477ST-12	19	3/4	-12	19.1	27.2	35.0	5000	140.0	20000	200	1.20
477ST-16	25	1	-16	25.4	34.8	28.0	4000	112.0	16000	250	1.34

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

### Hose layline example



# 492

## Elite No-Skive Compact

EN 857 1SC - ISO 11237 Type 1SC



- **No-Skive** hose construction – Compact design
- Nitrile (NBR) inner tube – extended fluid compatibility
- Exceeding EN/ISO specifications for pressure, bend radius and abrasion resistance

### Primary Applications

Demanding medium pressure hydraulic applications

### Type Approvals

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

### Applicable Specifications

EN 857 1SC – ISO 11237 Type 1SC

### Construction

- Inner tube: Nitrile (NBR)  
 Reinforcement: One high-tensile steel wire braid  
 Cover: Synthetic rubber

### 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.

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

- Exception: Air ..... max. +70 °C  
 Water ..... max. +85 °C

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		
492-4	6	1/4	-4	6.4	11.5	28.0	4060	112.0	16240	75	0.18
492-5	8	5/16	-5	7.9	13.6	25.0	3625	100.0	14500	85	0.21
492-6	10	3/8	-6	9.5	15.5	22.5	3260	90.0	13050	90	0.25
492-8	12	1/2	-8	12.7	18.9	19.0	2755	76.0	11020	130	0.33
492-10	16	5/8	-10	15.9	22.2	15.0	2175	60.0	8700	150	0.41
492-12	19	3/4	-12	19.1	26.0	15.0	2175	60.0	8700	180	0.56
492-16	25	1	-16	25.4	33.3	11.0	1595	44.0	6380	230	0.75
492-20-WR	31	1 1/4	-20	31.8	40.0	7.5	1085	30.0	4350	335	0.93

Part Number without a suffix: the hose cover has a smooth appearance. Part Number with a suffix (WR): the hose cover has a wrapped appearance. The combination of high temperature and high pressure could reduce the hose life. Also available on reels under part number 492-xx-RL

### Hose layline example





# 492TC

## Elite No-Skive Compact Tough Cover

EN 857 1SC - ISO 11237 Type 1SC



- **No-Skive** hose construction – Compact design
- Nitrile (NBR) inner tube – extended fluid compatibility
- Exceeding EN/ISO specifications for pressure, bend radius and abrasion resistance
- Highly abrasion resistant **TOUGH COVER**
- MSHA approved
- Hose is suitable for temporary immersion in mineral oil up to 70 °C with frequent inspections

### Primary Applications

Demanding medium pressure hydraulic applications

### Type Approvals

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

### Applicable Specifications

EN 857 1SC – ISO 11237 Type 1SC

### Construction

Inner tube: Nitrile (NBR)  
Reinforcement: One high-tensile steel wire braid  
Cover: Highly abrasion resistance  
MSHA approved

### 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.

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

Exception: Air ..... max. +70 °C

Water ..... max. +85 °C

### 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		
492TC-4	6	1/4	-4	6.4	11.5	28.0	4060	112.0	16240	75	0.18
492TC-5	8	5/16	-5	7.9	13.6	25.0	3625	100.0	14500	85	0.21
492TC-6	10	3/8	-6	9.5	15.5	22.5	3260	90.0	13050	90	0.25
492TC-8	12	1/2	-8	12.7	18.9	19.0	2755	76.0	11020	130	0.33
492TC-10	16	5/8	-10	15.9	22.2	15.0	2175	60.0	8700	150	0.41
492TC-12	19	3/4	-12	19.1	26.0	15.0	2175	60.0	8700	180	0.56
492TC-16	25	1	-16	25.4	33.3	11.0	1595	44.0	6380	230	0.75

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

### Hose layline example

PARKER NO-SKIVE Tough Cover 492TC-8 WP 19,0 MPa (2755 PSI) MSHA | • • 12,7 mm (1/2) Made in Italy

# 492ST

## Elite No-Skive Super Tough Compact

EN 857 1SC - ISO 11237 Type 1SC



- **No-Skive** hose construction – Compact design
- Nitrile (NBR) inner tube – extended fluid compatibility
- Extreme abrasion resistant **SUPER TOUGH** cover
- Exceeding EN/ISO specifications for pressure, bend radius and abrasion resistance

### Primary Applications

Mobile market: Medium pressure hydraulic applications with extremely high abrasion risks

### Applicable Specifications

EN 857 1SC – ISO 11237 Type 1SC

### Construction

Inner tube: Nitrile (NBR)  
Reinforcement: One high-tensile steel wire braid  
Cover: Synthetic rubber with a special polyethylene coating

### 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.

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

Exception: Air ..... max. +70 °C

Water ..... max. +85 °C

### 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		
492ST-4	6	1/4	-4	6.4	12.0	28.0	4000	112.0	16240	75	0.18
492ST-5	8	5/16	-5	7.9	13.6	25.0	3625	100.0	14500	85	0.21
492ST-6	10	3/8	-6	9.5	15.5	22.5	3260	90.0	13050	90	0.25
492ST-8	12	1/2	-8	12.7	18.9	19.0	2755	76.0	11020	130	0.33
492ST-10	16	5/8	-10	15.9	22.3	15.0	2175	60.0	8700	150	0.41
492ST-12	19	3/4	-12	19.1	26.0	15.0	2175	60.0	8700	180	0.56
492ST-16	25	1	-16	25.4	33.6	11.0	1595	44.0	6380	230	0.75
492ST-20	31	1 1/4	-20	31.8	40.0	7.5	1085	30.0	4350	335	0.93

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

### Hose layline example



# 493

## No-Skive Compact

High pressure water cleaning applications



- One wire *No-Skive* construction
- For water up to +120 °C constant temperature

### Primary Applications

High pressure water cleaners

### Construction

Inner tube: Synthetic rubber  
Reinforcement: One high-tensile steel wire braid  
Cover: Synthetic rubber , black or blue

Temperature Range .....Water max. +120 °C

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	max. working pressure psi	min. burst pressure MPa	min. burst pressure psi		
493-4	6	1/4	-4	6.4	13.4	20.0	2898	60.0	8695	60	0.18
493-4-BLU	6	1/4	-4	6.4	13.4	20.0	2898	60.0	8695	60	0.18
493-5	8	5/16	-5	7.9	15.0	20.0	2898	60.0	8695	75	0.21
493-5-BLU	8	5/16	-5	7.9	15.0	20.0	2898	60.0	8695	75	0.21
493-6	10	3/8	-6	9.5	17.4	20.0	2898	60.0	8695	90	0.25
493-6-BLU	10	3/8	-6	9.5	17.4	20.0	2898	60.0	8695	90	0.25
493-8	12	1/2	-8	12.7	20.6	17.5	2536	52.5	7608	110	0.33
493-8-BLU	12	1/2	-8	12.7	20.6	17.5	2536	52.5	7608	110	0.33

WKS rubber hand grip for No-Skive high pressure water cleaning hoses can be found on page Eb-20.  
The combination of high temperature and high pressure could reduce the hose life.  
Also available on reels under part number 493-xx-RL

Hose layline example



# 692

## No-Skive Compact

Constant pressure, tight bend radius

### Primary Applications

Material handling:

General small bending radii hydraulic applications, ideal for over the sheave or reel applications.

### Applicable Specifications

Parker Specification

### Construction

Inner tube: Nitrile (NBR)

Reinforcement: One or two high-tensile steel wire braids

Cover: Synthetic rubber

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

Exception: Air ..... max. +70 °C



- **No-Skive** hose construction – Compact design
- Nitrile (NBR) inner tube – extended fluid compatibility
- Constant working pressure of 21.0 MPa

### 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		
692-4	6	1/4	-4	6.4	11.5	21.0	3045	84.0	12180	40	0.18
692-5	8	5/16	-5	7.9	13.6	21.0	3045	84.0	12180	40	0.21
692-6	10	3/8	-6	9.5	15.5	21.0	3045	84.0	12180	40	0.25
692-8	12	1/2	-8	12.7	20.4	21.0	3045	84.0	12180	50	0.52
692-10	16	5/8	-10	15.9	23.9	21.0	3045	84.0	12180	60	0.66

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

### Hose layline example



# 692Twin

## No-Skive Compact

Twin constant pressure, tight bend radius



- **No-Skive** hose construction – Compact design
- Nitrile (NBR) inner tube – extended fluid compatibility
- Constant working pressure of 21.0 MPa

### Primary Applications

Lifting and material handling equipment:  
General small bending radii hydraulic applications, ideal over the sheave or reel applications

### Applicable Specifications

Parker Specification

### Construction

Inner tube: Nitrile (NBR)  
Reinforcement: One or two high-tensile steel wire braids  
Cover: Synthetic rubber

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

Exception: Air ..... max. +70 °C

### 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	min. burst pressure MPa	min. burst pressure			
								psi	psi		
692-4-4	6	1/4	-4	6.4	25.8	21.0	3045	84.0	12180	40	0.34
692-5-5	8	5/16	-5	7.9	27.4	21.0	3045	84.0	12180	40	0.40
692-6-6	10	3/8	-6	9.5	31.2	21.0	3045	84.0	12180	40	0.48

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

### Hose layline example





# 692PU

## No-Skive Compact

Polyurethane Cover

### Primary Applications

Material handling industry, where tight bend radii, flexibility, ozone, abrasion and shock resistance are needed and required. Ideal for over-the-sheave or reel applications.

### Applicable Specifications

Parker Specification – constant working pressure

### Construction

Inner Tube: Nitrile (NBR)  
Reinforcement: One or two high-tensile steel wire braids  
Cover: Premium-quality polyurethane

Temperature Range ..... -45 °C up to +100 °C  
Exception: Air ..... max. +70 °C  
Water ..... max. +85 °C



- **No-Skive** hose construction – Compact design
- Constant working pressure
- High abrasion and shock resistance
- High flexibility even at cold conditions
- High ozone-, UV- and weathering resistance
- Extended fluid compatibility
- Tight bend radius

### 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

Size -4 up to -6

Size -8 up to -10



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		
692PU-4	6	1/4	-4	6.4	11.5	21.0	3045	84.0	12180	40	0.18
692PU-5	8	5/16	-5	7.9	13.6	21.0	3045	84.0	12180	40	0.21
692PU-6	10	3/8	-6	9.5	15.5	21.0	3045	84.0	12180	40	0.25
692PU-8	12	1/2	-8	12.7	20.4	21.0	3045	84.0	12180	50	0.52
692PU-10	16	5/8	-10	15.9	23.9	21.0	3045	84.0	12180	60	0.66

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

### Hose layline example

PARKER 692PU-6 WP 21,0 MPa (3046 psi) | • • 10 mm (3/8 ")

# 692PU Twin

## No-Skive Compact

Twin Hose with Polyurethane Cover

### Primary Applications

Material handling industry, where tight bend radii, flexibility, ozone, abrasion and shock resistance are needed and required. Ideal for over-the-sheave or reel applications.

### Applicable Specifications

Parker Specification – constant working pressure

### Construction

Inner Tube: Nitrile (NBR)  
Reinforcement: One or two high-tensile steel wire braids  
Cover: Premium-quality polyurethane

Temperature Range ..... -45 °C up to +100 °C

Exception: Air ..... max. +70 °C

Water ..... max. +85 °C



- **No-Skive** hose construction – Compact design
- Constant working pressure
- High abrasion and shock resistance
- High flexibility even at cold conditions
- High ozone-, UV- and weathering resistance
- Extended fluid compatibility
- Tight bend radius

### 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

Size -4 up to -6

Size -8 up to -10



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		
692PU-4-4	6	1/4	-4	6.4	24.0	21.0	3045	84.0	12180	40	0.36
692PU-5-5	8	5/16	-5	7.9	27.4	21.0	3045	84.0	12180	40	0.42
692PU-6-6	10	3/8	-6	9.5	31.2	21.0	3045	84.0	12180	40	0.50
692PU-8-8	12	1/2	-8	12.7	41.5	21.0	3045	84.0	12180	50	1.00
692PU-10-10	16	5/8	-10	15.9	48.7	21.0	3045	84.0	12180	60	1.35

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

### Hose layline example



# 692TC

## No-Skive Compact Tough Cover

Constant pressure, tight bend radius

### Primary Applications

Material handling:  
General small bending radii hydraulic applications, ideal for over the sheave or reel applications.

### Applicable Specifications

Parker Specification

### Construction

Inner Tube: Nitrile (NBR)  
Reinforcement: One or two high-tensile steel wire braids  
Cover: Highly abrasion resistance  
MSHA approved

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

Exception: Air ..... max. +70 °C



- **No-Skive** hose construction – Compact design
- Nitrile (NBR) inner tube – extended fluid compatibility
- Constant working pressure of 21.0 MPa
- 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		min. burst pressure			
	MPa	psi	MPa	psi		mm	kg				
692TC-4	6	1/4	-4	6.4	11.5	21.0	3045	84.0	12180	40	0.18
692TC-5	8	5/16	-5	7.9	13.6	21.0	3045	84.0	12180	40	0.21
692TC-6	10	3/8	-6	9.5	15.5	21.0	3045	84.0	12180	40	0.25
692TC-8	12	1/2	-8	12.7	20.4	21.0	3045	84.0	12180	50	0.52
692TC-10	16	5/8	-10	15.9	23.9	21.0	3045	84.0	12180	60	0.66

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

### Hose layline example



# 811

## No-Skive Suction and Return Line

SAE 100R4



- **No-skive** hose construction
- Helical wire to prevent collapse under vacuum
- Small bend radii

### Primary Applications

All Markets: General applications

### Type Approvals

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

### Construction

Inner tube: Synthetic rubber  
 Reinforcement: Two fibre spiral, one helical wire  
 Cover: Synthetic rubber, oil and weather resistant

### 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.

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

Exception: Air ..... max. +70 °C  
 Water ..... max. +85 °C

### Fitting Series

up to size - 32



For size -40 and -48

Part Number	Hose I.D.				Hose O.D. mm	Pressure Rating				Vacuum*	min. bend radius mm	weight kg
	DN	Inch	Size	mm		max. working pressure MPa	psi	min. burst pressure MPa	psi			
811-12	19	3/4	-12	19.1	30.0	2.1	300	8.3	1200	85	65	0.63
811-16	25	1	-16	25.4	38.0	1.7	250	6.9	1000	85	75	0.96
811-20	31	1 1/4	-20	31.8	45.0	1.4	200	5.5	800	85	100	1.22
811-24	38	1 1/2	-24	38.1	52.0	1.0	150	4.1	600	85	130	1.55
811-32	51	2	-32	50.8	64.0	0.7	100	2.8	400	85	150	1.87
811-40	63	2 1/2	-40	63.5	75.0	0.4	62	1.6	248	85	180	2.45
811-48	76	3	-48	76.2	90.0	0.4	62	1.6	248	85	230	3.20

\* The vacuum values listed in the table are vacuum pressure values in kPa. For an absolute value subtract the table value from 101 kPa.

\*\* size -12 and size -16 = on Parkrimp 2 crimping press or adjustable crimpers only.  
 The combination of high temperature and high pressure could reduce the hose life.

### Hose layline example



# 811S

## No-Skive Suction and Return Line

Exceeds SAE 100R4



- **No-Skive** hose construction
- Helical wire to prevent collapse under vacuum
- Small bend radii
- Isobaric 1.0 MPa for all sizes

### Primary Applications

All Markets: General applications

### Type Approvals

For size -64 and -80, details please find on pages **Ab-16** to **Ab-19**

### Construction

Inner tube: Synthetic rubber  
 Reinforcement: Two fibre spiral, one helical wire  
 Cover: Synthetic rubber  
 oil and weather resistant

### 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.

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

Exception: Air ..... max. +70 °C  
 Water ..... max. +85 °C

### Fitting Series



Part Number	Hose I.D.		Hose O.D. mm ± 1.6	Pressure Rating				min. bend radius mm
	Size	mm		max. working pressure		min. burst pressure		
				MPa	psi	MPa	psi	
811S-32	51	2	-32	50.8	64.0	1.0	145	4.0
811S-40	63	2 1/2	-40	63.5	75.0	1.0	145	4.0
811S-48	76	3	-48	76.2	90.0	1.0	145	4.0
811S-56			-56		106.0	1.0	145	4.0
811S-64			-64		116.0	1.0	145	4.0
811S-80			-80		142.0	1.0	145	4.0
811S-96			-96		172.0	1.0	145	4.0

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

### Hose layline example





# 881

## No-Skive Suction and Return Line

SAE 100R4



- **No-Skive** hose construction
- Helical wire to prevent collapse under vacuum
- Up to +121 °C working temperature
- MSHA approved

### Primary Applications

All Markets: For high temperature applications  
For general applications

### Type Approvals

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

### Construction

Inner tube: Synthetic rubber  
Reinforcement: Two fibre braid, one helical wire  
Cover: MSHA approved

Temperature Range ..... -40 °C up to +121 °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

Series 43 for sizes -12, -16  
Series 48 for sizes -20 up to -32  
For size -40 fittings series on request



Part Number	Hose I.D.				Hose O.D. mm	Pressure Rating				Vacuum*	min. bend radius mm	weight kg
	DN	Inch	Size	mm		max. working pressure MPa	psi	min. burst pressure MPa	psi			
881-12	19	3/4	-12	19.1	30.0	2.1	300	8.3	1200	95	130	0.74
881-16	25	1	-16	25.4	38.0	1.7	250	6.9	1000	95	150	0.89
881-20	31	1 1/4	-20	31.8	45.0	1.4	200	5.5	800	95	200	1.32
881-24	38	1 1/2	-24	38.1	52.0	1.0	150	4.1	600	95	250	1.65
881-32	51	2	-32	50.8	63.0	0.7	100	2.8	400	95	300	1.89
881-40	63	2 1/2	-40	63.5	75.0	0.4	62	1.6	248	95	355	2.71

\* The vacuum values listed in the table are vacuum pressure values in kPa. For an absolute value subtract the table value from 101kPa. The combination of high temperature and high pressure could reduce the hose life.

### Hose layline example

PARKER 881-12 SUCTION HOSE MSHA XXXX SAE 100R4-12 19 mm (3/4) 3078 PARKER