

## Medium Pressure GLOBALCORE™

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## Standard

<p><b>187</b> <span style="float: right;"><b>Best</b></span></p> <p>Caa-1 </p> <p><i>No-Skive GlobalCore</i> Exceeds ISO 18752-AS</p>	<p><b>387</b> <span style="float: right;"><b>Best</b></span></p> <p>Caa-4 </p> <p><i>No-Skive GlobalCore</i> Sizes -4 to -16 exceed ISO 18752-AC Sizes -20 to -32 exceed ISO 18752-BC</p>	<p><b>487</b> <span style="float: right;"><b>Best</b></span></p> <p>Caa-7 </p> <p><i>No-Skive GlobalCore</i> Sizes -4 to -12 exceed ISO 18752-AC Sizes -16 to -32 exceed ISO 18752-BC</p>
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## High abrasion resistance

<p><b>187TC</b> <span style="float: right;"><b>Best</b></span></p> <p>Caa-2 </p> <p><i>No-Skive GlobalCore Tough Cover</i> Exceeds ISO 18752-AS</p>	<p><b>387TC</b> <span style="float: right;"><b>Best</b></span></p> <p>Caa-5 </p> <p><i>No-Skive GlobalCore Tough Cover</i> Sizes -4 to -16 exceed ISO 18752-AC Sizes -20 to -32 exceed ISO 18752-CC</p>	<p><b>487TC</b> <span style="float: right;"><b>Best</b></span></p> <p>Caa-8 </p> <p><i>No-Skive GlobalCore Tough Cover</i> Sizes -4 to -12 exceed ISO 18752-AC Sizes -16 to -32 exceed ISO 18752-CC</p>
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## Extreme abrasion resistance

<p><b>187ST</b> <span style="float: right;"><b>Best</b></span></p> <p>Caa-3 </p> <p><i>No-Skive GlobalCore Super Tough</i> Exceeds ISO 18752-AS</p>	<p><b>387ST</b> <span style="float: right;"><b>Best</b></span></p> <p>Caa-6 </p> <p><i>No-Skive GlobalCore Super Tough</i> Sizes -4 to -16 exceed ISO 18752-AC Sizes -20 to -32 exceed ISO 18752-CC</p>	<p><b>487ST</b> <span style="float: right;"><b>Best</b></span></p> <p>Caa-9 </p> <p><i>No-Skive GlobalCore Super Tough</i> Sizes -4 to -12 exceed ISO 18752-AC Sizes -16 to -32 exceed ISO 18752-CC</p>
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# 187

## No-Skive GlobalCore

Exceeds ISO 18752-AS

### Primary Applications

Designed, build and tested to the ISO 18752 performance specifications. For high pressure return line applications in all markets.

### Applicable Specifications

ISO 18752-AS

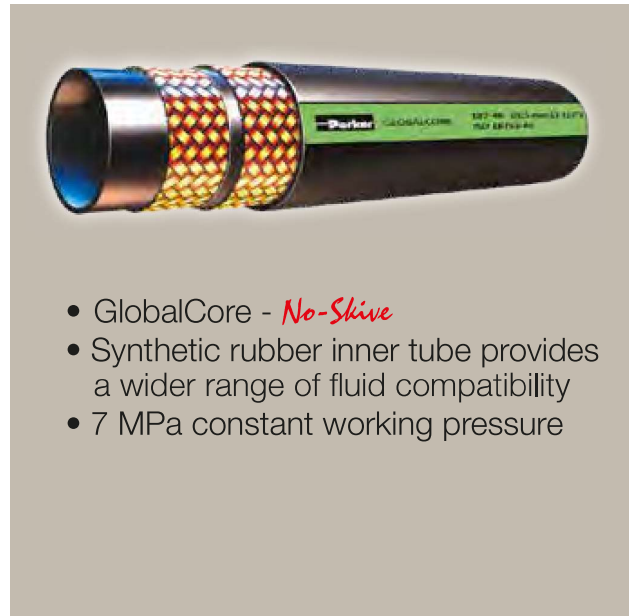
### Construction

- Inner tube: Synthetic rubber
- 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



- GlobalCore - *No-Skive*
- Synthetic rubber inner tube provides a wider range of fluid compatibility
- 7 MPa constant working pressure

### 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

Series 43/48 for sizes -8 to -32



Series 48 2piece for sizes -40 to -48



GLOBALCORE

Part Number	Hose I.D.				Hose O.D. mm	Pressure Rating				Vaccum* kPa	min. bend radius mm	weight kg
	DN	Inch	Size	mm		max. working pressure MPa	psi	min. burst pressure MPa	psi			
187-8	12	1/2	-8	12.7	21.0	7.0	1000	28.0	4000	80	65	0.43
187-10	16	5/8	-10	15.9	24.0	7.0	1000	28.0	4000	80	75	0.49
187-12	19	3/4	-12	19.1	27.0	7.0	1000	28.0	4000	80	90	0.63
187-16	25	1	-16	25.4	36.0	7.0	1000	28.0	4000	80	114	0.91
187-20	31	1 1/4	-20	31.8	44.0	7.0	1000	28.0	4000	80	140	1.85
187-24	38	1 1/2	-24	38.1	52.0	7.0	1000	28.0	4000	80	248	1.96
187-32	51	1	-32	50.8	65.0	7.0	1000	28.0	4000	80	318	2.60
187-40	63	2 1/2	-40	63.5	75.0	7.0	1000	28.0	4000	80	508	3.04
187-48	76	3	-48	76.2	91.0	7.0	1000	28.0	4000	80	508	4.12

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

### Hose layline example



# 187TC

## No-Skive GlobalCore Tough Cover

Exceeds ISO 18752-AS



- GlobalCore - *No-Skive*
- Synthetic rubber inner tube provides a wider range of fluid compatibility
- 7 MPa constant working pressure
- 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

Designed, build and tested to the ISO 18752 performance specifications. For high pressure return line applications in all markets.

### Applicable Specifications

ISO 18752-AS

### Construction

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

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

For -40 & -48 sizes -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

Series 43/48 for sizes -8 to -32



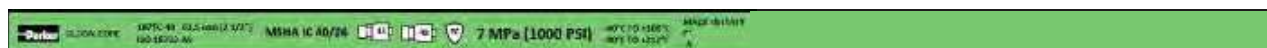
Series 48 2piece for sizes -40 to -48



Part Number	Hose I.D.				Hose O.D. mm	Pressure Rating				Vacuum* kPa	min. bend radius mm	weight kg
	DN	Inch	Size	mm		max. working pressure MPa	psi	min. burst pressure MPa	psi			
187TC-8	12	1/2	-8	12.7	21.0	7.0	1000	28.0	4000	80	65	0.43
187TC-10	16	5/8	-10	15.9	24.0	7.0	1000	28.0	4000	80	75	0.49
187TC-12	19	3/4	-12	19.1	27.0	7.0	1000	28.0	4000	80	90	0.63
187TC-16	25	1	-16	25.4	36.0	7.0	1000	28.0	4000	80	114	0.91
187TC-20	31	1 1/4	-20	31.8	44.0	7.0	1000	28.0	4000	80	140	1.85
187TC-24	38	1 1/2	-24	38.1	52.0	7.0	1000	28.0	4000	80	248	1.96
187TC-32	51	1	-32	50.8	65.0	7.0	1000	28.0	4000	80	318	2.60
187TC-40	63	2 1/2	-40	63.5	75.0	7.0	1000	28.0	4000	80	508	3.04
187TC-48	76	3	-48	76.2	91.0	7.0	1000	28.0	4000	80	508	4.12

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

### Hose layline example



# 187ST

## No-Skive GlobalCore Super Tough

Exceeds ISO 18752-AS



- GlobalCore - *No-Skive*
- Synthetic rubber inner tube provides a wider range of fluid compatibility
- 7 MPa constant working pressure
- Extreme abrasion resistant **SUPER TOUGH** cover
- MSHA approved

### Primary Applications

Designed, build and tested to the ISO 18752 performance specifications. For high pressure return line applications in all markets.

### Applicable Specifications

ISO 18752-AS

### Construction

- Inner tube: Synthetic rubber
- 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. Consult the chemical compatibility section on pages **Ab-26** to **Ab-34** for more detailed information.

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

For -40 & -48 sizes -40 °C up to +100 °C

Exception: Air ..... max. +70 °C

Water ..... max. +85 °C

### Fitting Series

Series 43/48 for sizes -8 to -32



Series 48 2piece for sizes -40 to -48



Part Number	Hose I.D.				Hose O.D. mm	Pressure Rating				Vaccum* kPa	min. bend radius mm	weight kg
	DN	Inch	Size	mm		max. working pressure MPa	psi	min. burst pressure MPa	psi			
187ST-8	12	1/2	-8	12.7	21.0	7.0	1000	28.0	4000	80	65	0.43
187ST-10	16	5/8	-10	15.9	24.0	7.0	1000	28.0	4000	80	75	0.49
187ST-12	19	3/4	-12	19.1	27.0	7.0	1000	28.0	4000	80	90	0.63
187ST-16	25	1	-16	25.4	36.0	7.0	1000	28.0	4000	80	114	0.91
187ST-20	31	1 1/4	-20	31.8	44.0	7.0	1000	28.0	4000	80	140	1.85
187ST-24	38	1 1/2	-24	38.1	52.0	7.0	1000	28.0	4000	80	248	1.96
187ST-32	51	1	-32	50.8	65.0	7.0	1000	28.0	4000	80	318	2.60
187ST-40	63	2 1/2	-40	63.5	75.0	7.0	1000	28.0	4000	80	508	3.04
187ST-48	76	3	-48	76.2	91.0	7.0	1000	28.0	4000	80	508	4.12

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

### Hose layline example



# 387

## No-Skive GlobalCore

Sizes -4 to -16 exceed ISO 18752-AC  
Sizes -20 to -32 exceed ISO 18752-BC



- GlobalCore - *No-Skive*
- 1/2 ISO 18752 minimum bend radius
- Low force to flex for ease of installation
- 21 MPa constant working pressure

### Primary Applications

General medium pressure hydraulic applications

### Applicable Specifications

Exceed ISO 18752-AC and ISO 18752-BC

### Construction

- Inner tube: Synthetic rubber
- Reinforcement: One or two high-tensile steel wire braids (four-spiral for sizes -20 up to -32)
- 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

- Series 43/48 for sizes -4 up to -16 
- Series 43/77 for size -20 
- Series 77 for sizes -24 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		
387-4	6	1/4	-4	6.4	13.4	21.0	3000	84.0	12000	50	0.24
387-6	10	3/8	-6	9.5	17.4	21.0	3000	84.0	12000	65	0.34
387-8	12	1/2	-8	12.7	20.7	21.0	3000	84.0	12000	90	0.43
387-10	16	5/8	-10	15.9	23.9	21.0	3000	84.0	12000	100	0.49
387-12	19	3/4	-12	19.1	27.8	21.0	3000	84.0	12000	120	0.86
387-16	25	1	-16	25.4	35.4	21.0	3000	84.0	12000	150	1.17
387-20	31	1 1/4	-20	31.8	46.3	21.0	3000	84.0	12000	210	2.59
387-24	38	1 1/2	-24	38.1	52.8	21.0	3000	84.0	12000	250	2.99
387-32	51	2	-32	50.8	66.2	21.0	3000	84.0	12000	320	4.09

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

### Hose layline example



# 387TC

## No-Skive GlobalCore Tough Cover

Sizes -4 to -16 exceed ISO 18752-AC  
Sizes -20 to -32 exceed ISO 18752-CC



- GlobalCore - *No-Skive*
- 1/2 ISO 18752 minimum bend radius
- Low force to flex for ease of installation
- 21 MPa constant working pressure
- 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

General medium pressure hydraulic applications

### Applicable Specifications

Exceed ISO 18752-AC and ISO 18752-CC

### Construction

- Inner tube: Synthetic rubber
- Reinforcement: One or two high-tensile steel wire braids (four-spiral for sizes -20 up to -32)
- Cover: Highly abrasion resistance  
MSHA approved synthetic rubber

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

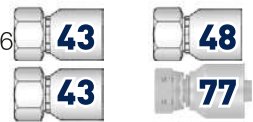
- Exception: Air ..... max. +70 °C
- Water ..... max. +85 °C

### 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

Series 43/48 for sizes -4 up to -16



Series 43/77 for size -20

Series 77 for sizes -24 up to -32

GLOBALCORE

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		
387TC-4	6	1/4	-4	6.4	13.4	21.0	3000	84.0	12000	50	0.24
387TC-6	10	3/8	-6	9.5	17.4	21.0	3000	84.0	12000	65	0.34
387TC-8	12	1/2	-8	12.7	20.7	21.0	3000	84.0	12000	90	0.43
387TC-10	16	5/8	-10	15.9	23.9	21.0	3000	84.0	12000	100	0.49
387TC-12	19	3/4	-12	19.1	27.8	21.0	3000	84.0	12000	120	0.86
387TC-16	25	1	-16	25.4	35.4	21.0	3000	84.0	12000	150	1.17
387TC-20	31	1 1/4	-20	31.8	46.3	21.0	3000	84.0	12000	210	2.59
387TC-24	38	1 1/2	-24	38.1	52.8	21.0	3000	84.0	12000	250	2.99
387TC-32	51	2	-32	50.8	66.2	21.0	3000	84.0	12000	320	4.09

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

### Hose layline example



# 387ST

## No-Skive GlobalCore Super Tough

Sizes -4 to -16 exceed ISO 18752-AC

Sizes -20 to -32 exceed ISO 18752-CC



- GlobalCore - *No-Skive*
- 1/2 ISO 18752 minimum bend radius
- Low force to flex for ease of installation
- 21 MPa constant working pressure
- Extreme abrasion resistant

**SUPER TOUGH** cover

### Primary Applications

Medium pressure hydraulic applications with extremely high abrasion risks

### Applicable Specifications

Exceed ISO 18752-AC and ISO 18752-CC

### Construction

Inner tube: Synthetic rubber

Reinforcement: One or two high-tensile steel wire braids (four-spiral for sizes -20 up to -32)

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.

### Fitting Series

Series 43/48 for sizes -4 up to -16



Series 43/77 for size -20



Series 77 for sizes -24 up to -32



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

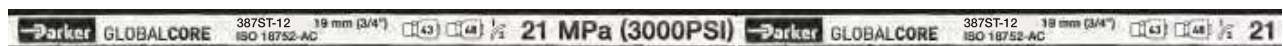
Exception: Air ..... max. +70 °C

Water ..... max. +85 °C

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		
387ST-4	6	1/4	-4	6.4	13.4	21.0	3000	84.0	12000	50	0.24
387ST-6	10	3/8	-6	9.5	17.4	21.0	3000	84.0	12000	65	0.34
387ST-8	12	1/2	-8	12.7	20.7	21.0	3000	84.0	12000	90	0.43
387ST-10	16	5/8	-10	15.9	23.9	21.0	3000	84.0	12000	100	0.49
387ST-12	19	3/4	-12	19.1	27.8	21.0	3000	84.0	12000	120	0.86
387ST-16	25	1	-16	25.4	35.4	21.0	3000	84.0	12000	150	1.17
387ST-20	31	1 1/4	-20	31.8	46.3	21.0	3000	84.0	12000	210	2.59
387ST-24	38	1 1/2	-24	38.1	52.8	21.0	3000	84.0	12000	250	2.99
387ST-32	51	2	-32	50.8	66.2	21.0	3000	84.0	12000	320	4.09

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

### Hose layline example





# 487

## No-Skive GlobalCore

Sizes -4 to -12 exceed ISO 18752-AC  
Sizes -16 to -32 exceed ISO 18752-BC



- GlobalCore - *No-Skive*
- ½ ISO 18752 minimum bend radius
- Low force to flex for ease of installation
- 28 MPa constant working pressure

### Primary Applications

General medium pressure hydraulic applications

### Applicable Specifications

Exceed ISO 18752-AC and ISO 18752-BC

### Construction

- Inner tube: Synthetic rubber
- Reinforcement: One or two high-tensile steel wire braids for sizes -4 up to -12 (four-spiral wires for sizes -16 up to -24 Six-spiral wires for size -32)
- 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

Series 43/48 for sizes -4 up to -12



Series 43 for size -16



Series 77 for sizes -20 up to -32

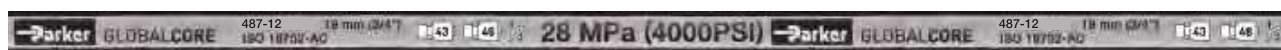


GLOBALCORE

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		
487-4	6	1/4	-4	6.4	13.1	28.0	4000	112.0	16000	50	0.30
487-6	10	3/8	-6	9.5	17.2	28.0	4000	112.0	16000	65	0.42
487-8	12	1/2	-8	12.7	20.4	28.0	4000	112.0	16000	90	0.52
487-10	16	5/8	-10	15.9	23.9	28.0	4000	112.0	16000	100	0.66
487-12	19	3/4	-12	19.1	27.8	28.0	4000	112.0	16000	120	0.86
487-16	25	1	-16	25.4	37.8	28.0	4000	112.0	16000	150	1.99
487-20	31	1 1/4	-20	31.8	46.3	28.0	4000	112.0	16000	210	2.59
487-24	38	1 1/2	-24	38.1	52.8	28.0	4000	112.0	16000	250	3.08
487-32	51	2	-32	50.8	67.3	28.0	4000	112.0	16000	320	6.47

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

### Hose layline example



# 487TC

## No-Skive GlobalCore Tough Cover

Sizes -4 to -12 exceed ISO 18752-AC

Sizes -16 to -32 exceed ISO 18752-CC

### Primary Applications

General medium pressure hydraulic applications

### Applicable Specifications

Exceed ISO 18752-AC and ISO 18752-BC

### Construction

Inner tube: Synthetic rubber

Reinforcement: One or two high-tensile steel wire braids for sizes -4 up to -12

(four-spiral wires for sizes -16 up to -24

Six-spiral wires for size -32)

Cover: Highly abrasion resistance

MSHA approved synthetic rubber

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

Exception: Air ..... max. +70 °C

Water ..... max. +85 °C



- GlobalCore - *No-Skive*
- ½ ISO 18752 minimum bend radius
- Low force to flex for ease of installation
- 28 MPa constant working pressure
- 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

Series 43/48 for sizes -4 up to -12



Series 43 for size -16



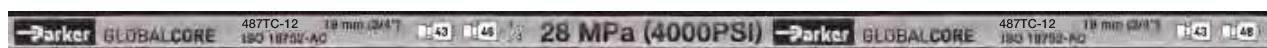
Series 77 for sizes -20 up to -32



Part Number	Hose I.D.				Hose O.D. mm	Pressure Rating				min. bend radius mm	weight kg
	DN	Inch	Size	mm		max. working pressure MPa	psi	min. burst pressure MPa	psi		
487TC-4	6	1/4	-4	6,4	13,1	28,0	4000	112,0	16000	50	0,30
487TC-6	10	3/8	-6	9,5	17,2	28,0	4000	112,0	16000	65	0,42
487TC-8	12	1/2	-8	12,7	20,4	28,0	4000	112,0	16000	90	0,52
487TC-10	16	5/8	-10	15,9	23,9	28,0	4000	112,0	16000	100	0,66
487TC-12	19	3/4	-12	19,1	27,8	28,0	4000	112,0	16000	120	0,86
487TC-16	25	1	-16	25,4	37,8	28,0	4000	112,0	16000	150	1,99
487TC-20	31	1 1/4	-20	31,8	46,3	28,0	4000	112,0	16000	210	2,59
487TC-24	38	1 1/2	-24	38,1	52,8	28,0	4000	112,0	16000	250	3,08
487TC-32	51	2	-32	50,8	67,3	28,0	4000	112,0	16000	320	6,47

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

### Hose layline example



# 487ST

## No-Skive GlobalCore Super Tough

Sizes -4 to -12 exceed ISO 18752-AC

Sizes -16 to -32 exceed ISO 18752-CC



- GlobalCore - *No-Skive*
- ½ ISO 18752 minimum bend radius
- Low force to flex for ease of installation
- 28 MPa constant working pressure
- Extreme abrasion resistant **SUPER TOUGH** cover

### Primary Applications

Medium pressure hydraulic applications with extremely high abrasion risks

### Applicable Specifications

Exceed ISO 18752-AC and ISO 18752-BC

### Construction

- Inner tube: Synthetic rubber
- Reinforcement: One or two high-tensile steel wire braids for sizes -4 up to -12 (four-spiral wires for sizes -16 up to -24 Six-spiral wires for size -32)
- Cover: Synthetic rubber with a special polyethylene coating

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

Series 43/48 for sizes -4 up to -12  

Series 43 for size -16 

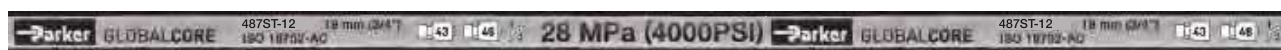
Series 77 for sizes -20 up to -32 

GLOBALCORE

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		
487ST-4	6	1/4	-4	6.4	13.1	28.0	4000	112.0	16000	50	0.30
487ST-6	10	3/8	-6	9.5	17.2	28.0	4000	112.0	16000	65	0.42
487ST-8	12	1/2	-8	12.7	20.4	28.0	4000	112.0	16000	90	0.52
487ST-10	16	5/8	-10	15.9	23.9	28.0	4000	112.0	16000	100	0.66
487ST-12	19	3/4	-12	19.1	27.8	28.0	4000	112.0	16000	120	0.86
487ST-16	25	1	-16	25.4	37.8	28.0	4000	112.0	16000	150	1.99
487ST-20	31	1 1/4	-20	31.8	46.3	28.0	4000	112.0	16000	210	2.59
487ST-24	38	1 1/2	-24	38.1	52.8	28.0	4000	112.0	16000	250	3.08
487ST-32	51	2	-32	50.8	67.3	28.0	4000	112.0	16000	320	6.47

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

### Hose layline example



## Medium Pressure

Hoses			Page
Good	<b>BCH1</b> <i>No-Skive</i>	Standard	Cab-1
Good	<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
Better	<b>412</b> <i>Elite No-Skive</i>	Pilot	Cab-6
Better	<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
Better	<b>441</b> <i>Elite No-Skive</i>	Standard	Cab-14
	<b>441RH</b> <i>No-Skive</i>	Railway	Cab-15
Better	<b>461LT</b> <i>Elite No-Skive</i>	Low / High temperature	Cab-16
Better	<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
Better	<b>462TC</b> <i>Elite No-Skive</i>	High abrasion resistance	Cab-20
Better	<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
Better	<b>477</b> <i>Elite No-Skive</i>	Powerlift	Cab-24
	<b>477RH</b> <i>No-Skive</i>	Railway	Cab-25
Better	<b>477TC</b> <i>Elite No-Skive</i>	Powerlift	Cab-26
Better	<b>477ST</b> <i>Elite No-Skive</i>	Powerlift	Cab-27
Better	<b>492</b> <i>Elite No-Skive</i>	Standard	Cab-28
Better	<b>492TC</b> <i>Elite No-Skive</i>	High abrasion resistance	Cab-29
Better	<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

Index

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		

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## Standard

<p><b>BCH1</b> Good</p> <p>Cab-1</p>  <p><i>No-Skive</i> EN 857 1SC – ISO 11237</p>	<p><b>BCH2</b> Good</p> <p>Cab-2</p>  <p><i>No-Skive</i> EN 857 2SC – ISO 11237</p>	<p><b>301SN</b></p> <p>Cab-4</p>  <p><i>No-Skive</i> EN 853 2SN – ISO 1436 Type 2</p>	<p><b>421SN</b></p> <p>Cab-9</p>  <p><i>No-Skive</i> EN 853 1SN – ISO 1436 Type 1</p>
<p><b>441</b> Better</p> <p>Cab-14</p>  <p><i>Elite No-Skive</i> ISO 11237 Type R16 – SAE 100R16</p>	<p><b>462</b> Better</p> <p>Cab-17</p>  <p><i>Elite No-Skive Compact</i> Exceeds EN 857-2SC – ISO 11237 Type 2SC</p>	<p><b>492</b> Better</p> <p>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></p> <p>Cab-10</p>  <p><i>No-Skive</i> EN 853 1SN – ISO 1436 Type 1</p>	<p><b>462TC</b> Better</p> <p>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></p> <p>Cab-23</p>  <p><i>No-Skive</i> EN 857 2SC – ISO 11237 Type 2SC</p>	<p><b>492TC</b> Better</p> <p>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> Better</p> <p>Cab-21</p>  <p><i>Elite No-Skive Super Tough Compact</i> EN 857 2SC – ISO 11237 Type 2SC</p>	<p><b>492ST</b> Better</p> <p>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></p> <p>Cab-3</p>  <p><i>No-Skive Compact</i> Parker specification</p>	<p><b>426</b></p> <p>Cab-12</p>  <p><i>No-Skive</i> SAE 100R1AT high temperature</p>	<p><b>436</b></p> <p>Cab-13</p>  <p><i>No-Skive Compact</i> SAE 100R16 high temperature</p>	<p><b>461LT</b> Better</p> <p>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></p> <p>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

**Better**

**412ST**

Cab-7



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

**Better**

## Wire cover

**421WC**

Cab-11



*No-Skive*  
Galvanised steel wire cover

## Powerlift

**477**

Cab-24



*Elite No-Skive PowerLift*  
2 wire braided

**Better**

**477TC**

Cab-26



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

**Better**

**477ST**

Cab-27



*Elite No-Skive PowerLift*  
2 wire braided

**Better**

## 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

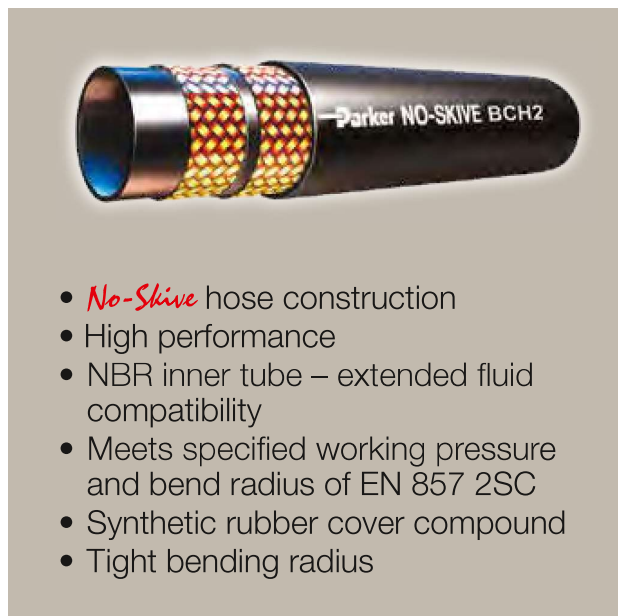
**811S**  
Cab-38  
  
*No-Skive Suction and Return Line*  
Exceeds SAE 100R4

**881**  
Cab-39  
  
*No-Skive Suction and Return Line*  
SAE 100R4

# 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 MPa	psi	min. burst pressure 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		min. burst pressure			
						MPa	psi	MPa	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) l · SAE100R2AT-4 6,3MM (1/4") X 2W EN853/2SN/6/DIN

# 304

## No-Skive

Phosphate ester resistant hose

### 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

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

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



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

### 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.

### Fitting Series

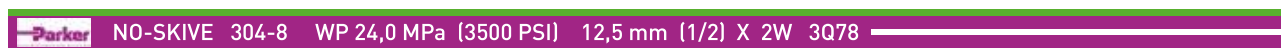
Series 43 for sizes -4 up to -32  
Series 48 for sizes -20 up to -32



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



# 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.

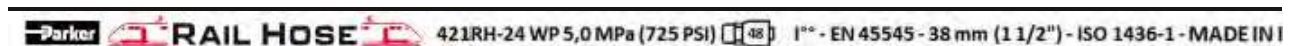
## Fitting Series



Part Number	Hose I.D.				Hose O.D. mm	Pressure Rating				min. bend radius mm	weight kg
	DN	Inch	Size	mm		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) L \* \* 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

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		
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



# 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

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

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

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

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



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		
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

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

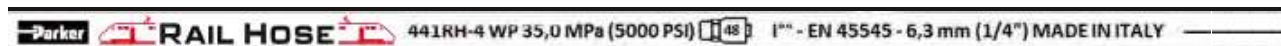
## Fitting Series



Part Number	Hose I.D.				Hose O.D. mm	Pressure Rating				min. bend radius mm	weight kg
	DN	Inch	Size	mm		max. working pressure		min. burst pressure			
						MPa	psi	MPa	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.

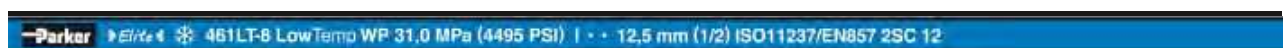
### Fitting Series



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



Hose

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	50	0.30
<b>EVO</b> 462-5	8	5/16	-5	7.9	15.0	40.0	5800	160.0	23200	55	0.35
<b>EVO</b> 462-6	10	3/8	-6	9.5	17.2	35.0	5075	140.0	20300	65	0.42
<b>EVO</b> 462-8	12	1/2	-8	12.7	20.4	31.0	4495	124.0	17980	80	0.52
<b>EVO</b> 462-10	16	5/8	-10	15.9	23.9	28.0	4060	112.0	16240	100	0.66
<b>EVO</b> 462-12	19	3/4	-12	19.1	27.7	28.0	4060	112.0	16240	120	0.86
<b>EVO</b> 462-16	25	1	-16	25.4	35.4	21.0	3045	84.0	12180	150	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 MPa	psi	min. burst pressure 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.

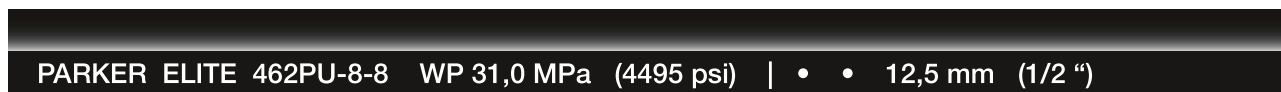
#### Fitting Series



Part Number	Hose I.D.				Hose O.D. mm	Pressure Rating				min. bend radius mm	weight kg
	DN	Inch	Size	mm		max. working pressure		min. burst pressure			
						MPa	psi	MPa	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**

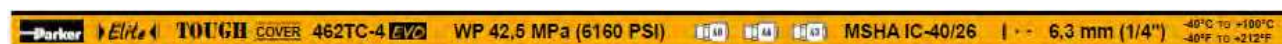
Part Number	Hose I.D.				Hose O.D. mm	Pressure Rating				min. bend radius mm	weight kg
	DN	Inch	Size	mm		max. working pressure MPa	psi	min. burst pressure MPa	psi		
<b>EVO</b> 462TC-4	6	1/4	-4	6.4	13.4	42.5	6160	170.0	24640	50	0.30
<b>EVO</b> 462TC-5	8	5/16	-5	7.9	15.0	40.0	5800	160.0	23200	55	0.35
<b>EVO</b> 462TC-6	10	3/8	-6	9.5	17.2	35.0	5075	140.0	20300	65	0.42
<b>EVO</b> 462TC-8	12	1/2	-8	12.7	20.4	31.0	4495	124.0	17980	80	0.52
<b>EVO</b> 462TC-10	16	5/8	-10	15.9	23.9	28.0	4060	112.0	16240	100	0.66
<b>EVO</b> 462TC-12	19	3/4	-12	19.1	27.7	28.0	4060	112.0	16240	120	0.86
<b>EVO</b> 462TC-16	25	1	-16	25.4	35.4	21.0	3045	84.0	12180	150	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.

\* Size -20 up to -32 only with fitting series 48

\*\* Size -40 up to -48 only with 2piece fitting series 48

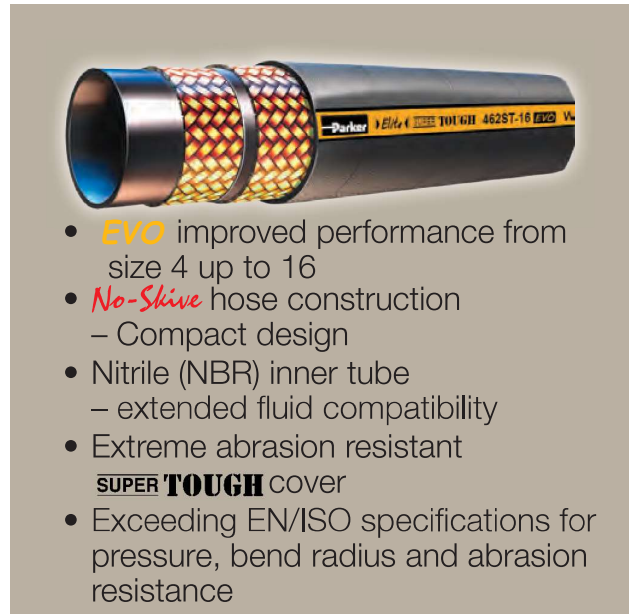
### Hose layline example



# 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

### 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

Size -4 up to -16



Size -20

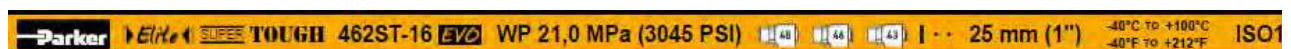
Hose

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	50	0.30
<b>EVO</b> 462ST-5	8	5/16	-5	7.9	15.0	40.0	5800	160.0	23200	55	0.35
<b>EVO</b> 462ST-6	10	3/8	-6	9.5	17.2	35.0	5075	140.0	20300	65	0.42
<b>EVO</b> 462ST-8	12	1/2	-8	12.7	20.4	31.0	4495	124.0	17980	80	0.52
<b>EVO</b> 462ST-10	16	5/8	-10	15.9	23.9	28.0	4060	112.0	16240	100	0.66
<b>EVO</b> 462ST-12	19	3/4	-12	19.1	27.7	28.0	4060	112.0	16240	120	0.86
<b>EVO</b> 462ST-16	25	1	-16	25.4	35.4	21.0	3045	84.0	12180	150	1.17
<b>EVO</b> 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.

\* 462ST-20 only with fitting series 48

### Hose layline example





# 463

## No-Skive Compact

High pressure water cleaning applications



- 2 wire *No-Skive* Compact design
- For water up to +120 °C constant temperature

### 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

## Primary Applications

Small bending radii demanding medium pressure hydraulic applications

## Type Approvals

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

## Applicable Specifications

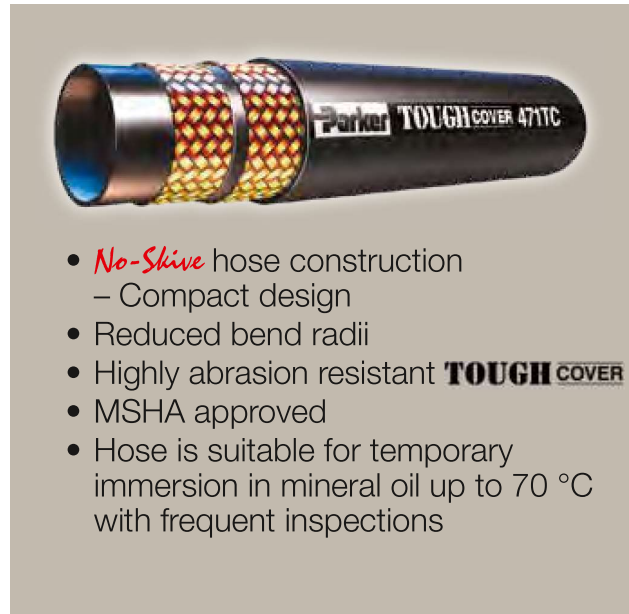
EN 857 2SC – ISO 11237 Type 2SC

## Construction

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

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

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



- *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

## 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		
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



# 477

## Elite No-Skive PowerLift

2 wire braided

### 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



- **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

### 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

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.

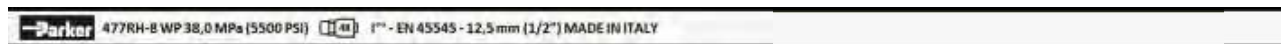
### Fitting Series



Part Number	Hose I.D.				Hose O.D. mm	Pressure Rating				min. bend radius mm	weight kg
	DN	Inch	Size	mm		max. working pressure		min. burst pressure			
						MPa	psi	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



# 477TC

## Elite No-Skive PowerLift Tough Cover

2 wire braided

### 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



- *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

### 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

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		
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



# 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



Hose

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		
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



# 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

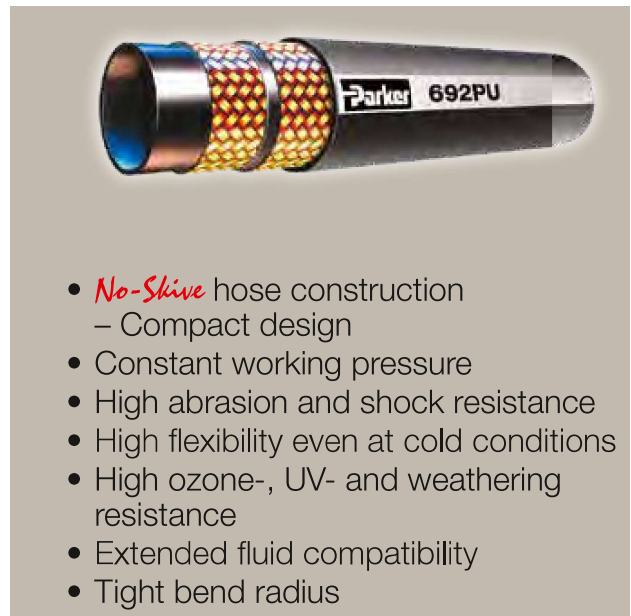
Parker Specification – constant working pressure

### 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





## 692PU Twin

### No-Skive Compact

Twin Hose with Polyurethane Cover



- *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

### 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

### 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



# 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

Hose

Part Number	Hose I.D.				Hose O.D. mm	Pressure Rating				Vacuum* kPa	min. bend radius mm	weight kg
	DN	Inch	Size	mm		max. working pressure		min. burst pressure				
						MPa	psi	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

PARKER 811-12 SUCTION HOSE SAE 100R4-12 19 mm (3/4) 3Q81 PARKER 811-12 SUC



# 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* kPa	min. bend radius mm	weight kg
	DN	Inch	Size	mm		max. working pressure		min. burst pressure				
						MPa	psi	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



## High Pressure GLOBALCORE™

Hoses			Page
Best	722 No-Skive	Standard	Daa-1
Best	722TC No-Skive	High abrasion resistance	Daa-2
Best	722ST No-Skive	Extreme abrasion resistance	Daa-3
Best	787 No-Skive	Compact Spiral	Daa-4
Best	787TC No-Skive	Compact Spiral – High abrasion resistance	Daa-5
Best	787ST No-Skive	Compact Spiral – Extreme abrasion resistance	Daa-6
Best	797 No-Skive	Compact Spiral	Daa-7
Best	797TC No-Skive	Compact Spiral – High abrasion resistance	Daa-8
Best	797ST No-Skive	Compact Spiral – Extreme abrasion resistance	Daa-9

Fittings Series	77
Chapter	Dd
DIN – Metric	1 – 4
BSP	5 – 6
SAE	7 – 9
Flange	10 – 20
ORFS	21 – 23
French Standard	24
Special Fittings	25

## Parkrimp


### Standard

**722** **Best**  
Daa-1   
*No-Skive* GlobalCore  
Exceeds ISO 18752-BC

### High abrasion resistance

**722TC** **Best**  
Daa-2   
*No-Skive* GlobalCore Tough Cover  
Supérieur à ISO 18752-BC

### Extreme abrasion resistance


**722ST** **Best**  
Daa-3   
*No-Skive* GlobalCore Super Tough  
Exceeds ISO 18752-BC


### Compact Spiral

**787** **Best**  
Daa-4   
*No-Skive* GlobalCore Compact Spiral™  
Sizes -4 to -6 exceed ISO 18752-AC


**797** **Best**  
Daa-7   
*No-Skive* GlobalCore Compact Spiral™  
Size -4 exceeds ISO 18752-AC

### Compact Spiral – High abrasion resistance

**787TC** **Best**  
Daa-5   
*No-Skive* GlobalCore Compact Spiral™  
Tough Cover

**797TC** **Best**  
Daa-8   
*No-Skive* GlobalCore Compact Spiral™  
Tough Cover

### Compact Spiral – Extreme abrasion resistance

**787ST** **Best**  
Daa-6   
*No-Skive* GlobalCore Compact Spiral™  
Super Tough

**797ST** **Best**  
Daa-9   
*No-Skive* GlobalCore Compact Spiral™  
Super Tough

# 787

## No-Skive GlobalCore Compact Spiral™

Sizes -4 to -6 exceed ISO 18752-AC  
Sizes -8 to -32 exceed ISO 18752-BC



- 1/2 the bend radius of SAE 100R13
- Constant working pressure of 35.0 MPa
- Reduced O.D. and new construction lead to superior flexibility
- 1/3 less effort to bend
- Weight reduction – up to 26 %

### Primary Applications

On- & offshore, construction, injection moulding, mining

### Applicable Specifications

Exceeds ISO 18752-AC/BC

### Construction

Inner tube: Proprietary synthetic rubber  
Reinforcement: Two braid steel wire for sizes -4 to -6,  
four or six compact spiral steel wire  
for sizes -8 to -32  
Cover: Synthetic rubber

### Recommended Fluids

Petroleum based hydraulic fluids and lubricating oils.  
Wide Compatibility exceeding Column III, with additional  
chemical resistance, especially for diesel and biodiesel.  
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

Series 43/48 for sizes -4 and -6  
Series 77 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		
787-4	6	1/4	-4	6.3	13.0	35.0	5000	140.0	20000	50	0.31
787-6	10	3/8	-6	10.0	17.2	35.0	5000	140.0	20000	63	0.42
787-8	12	1/2	-8	12.7	21.1	35.0	5000	140.0	20000	90	0.67
787-10	16	5/8	-10	15.9	23.9	35.0	5000	140.0	20000	100	0.80
787-12	19	3/4	-12	19.1	27.9	35.0	5000	140.0	20000	120	1.16
787-16	25	1	-16	25.4	35.7	35.0	5000	140.0	20000	150	1.74
787-20	31	1 1/4	-20	31.8	44.9	35.0	5000	140.0	20000	210	2.89
787-24	38	1 1/2	-24	38.1	52.8	35.0	5000	140.0	20000	255	3.96
787-32	51	2	-32	50.8	67.6	35.0	5000	140.0	20000	318	6.50

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

### Hose layline example



# 787TC

## No-Skive GlobalCore Compact Spiral™

### Tough Cover

Sizes -4 to -6 exceed ISO 18752-AC  
Sizes -8 to -32 exceed ISO 18752-DC

#### Primary Applications

On- & offshore, construction, injection moulding, mining

#### Type Approvals

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

#### Applicable Specifications

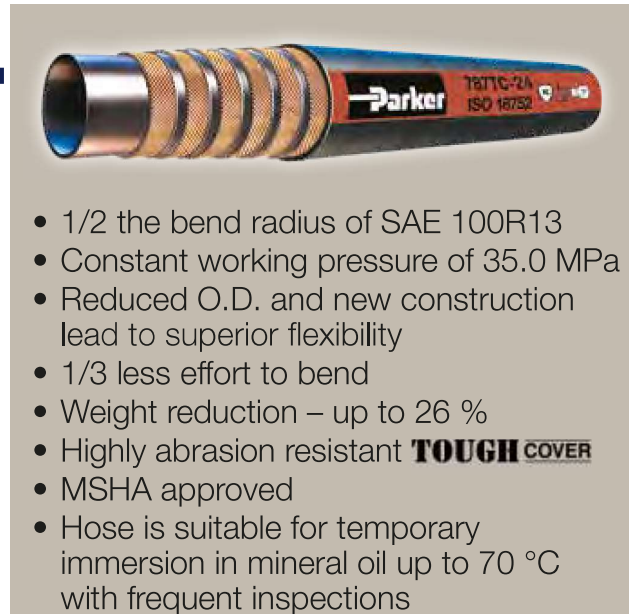
Exceeds SAE 100R13 – ISO 3862 Type R13 –  
EN 856 Type R13 – ISO 18752-AC/DC

#### Construction

Inner tube: Proprietary synthetic rubber  
Reinforcement: Two braid steel wire for sizes -4 to -6,  
four or six compact spiral steel wire  
for sizes - 8 to -32  
Cover: Highly abrasion resistance  
MSHA approved synthetic rubber

Temperature Range ..... -40 °C up to +125 °C  
(sizes -4 to -6 up to +100 °C)

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



- 1/2 the bend radius of SAE 100R13
- Constant working pressure of 35.0 MPa
- Reduced O.D. and new construction lead to superior flexibility
- 1/3 less effort to bend
- Weight reduction – up to 26 %
- 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

Petroleum based hydraulic fluids and lubricating oils.  
Wide Compatibility exceeding Column III, with additional chemical resistance, especially for diesel and biodiesel.  
Consult the chemical compatibility section on pages **Ab-26** to **Ab-34** for more detailed information.

#### Fitting Series

Series 43/48 for sizes -4 and -6



Series 77 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		
787TC-4	6	1/4	-4	6.3	13.0	35.0	5000	140.0	20000	50	0.31
787TC-6	10	3/8	-6	10.0	17.2	35.0	5000	140.0	20000	63	0.42
787TC-8	12	1/2	-8	12.7	21.1	35.0	5000	140.0	20000	90	0.67
787TC-10	16	5/8	-10	15.9	23.9	35.0	5000	140.0	20000	100	0.80
787TC-12	19	3/4	-12	19.1	27.9	35.0	5000	140.0	20000	120	1.16
787TC-16	25	1	-16	25.4	35.7	35.0	5000	140.0	20000	150	1.74
787TC-20	31	1 1/4	-20	31.8	44.9	35.0	5000	140.0	20000	210	2.89
787TC-24	38	1 1/2	-24	38.1	52.8	35.0	5000	140.0	20000	255	3.96
787TC-32	51	2	-32	50.8	67.6	35.0	5000	140.0	20000	318	6.50

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

Hose layline example



# 787ST

## No-Skive GlobalCore Compact Spiral™

### Super Tough

Sizes -4 to -6 exceed ISO 18752-AC  
Sizes -8 to -32 exceed ISO 18752-DC

#### Primary Applications

On- & offshore, construction, injection moulding, mining

#### Type Approvals

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

#### Applicable Specifications

Exceeds SAE 100R13 – ISO 3862 Type R13 –  
EN 856 Type R13 – ISO 18752-AC/DC

#### Construction

Inner tube: Proprietary synthetic rubber  
Reinforcement: Two braid steel wire for sizes -4 to -6,  
four or six compact spiral steel wire  
for sizes -8 to -32  
Cover: Synthetic rubber  
with a special polyethylene coating

Temperature Range ..... -40 °C up to +125 °C  
(sizes -4 to -6 up to +100 °C)

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



- 1/2 the bend radius of SAE 100R13
  - Constant working pressure of 35.0 MPa
  - Reduced O.D. and new construction lead to superior flexibility
  - 1/3 less effort to bend
  - Weight reduction – up to 26 %
  - Extreme abrasion resistant
- SUPER TOUGH** cover

#### Recommended Fluids

Petroleum based hydraulic fluids and lubricating oils.  
Wide Compatibility exceeding Column III, with additional  
chemical resistance, especially for diesel and biodiesel.  
Consult the chemical compatibility section on  
pages **Ab-26** to **Ab-34** for more detailed information.

#### Fitting Series

Series 43/48 for sizes -4 and -6



Series 77 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		
787ST-4	6	1/4	-4	6.3	13.0	35.0	5000	140.0	20000	50	0.31
787ST-6	10	3/8	-6	10.0	17.2	35.0	5000	140.0	20000	63	0.42
787ST-8	12	1/2	-8	12.7	21.1	35.0	5000	140.0	20000	90	0.67
787ST-10	16	5/8	-10	15.9	23.9	35.0	5000	140.0	20000	100	0.80
787ST-12	19	3/4	-12	19.1	27.9	35.0	5000	140.0	20000	120	1.16
787ST-16	25	1	-16	25.4	35.7	35.0	5000	140.0	20000	150	1.74
787ST-20	31	1 1/4	-20	31.8	44.9	35.0	5000	140.0	20000	210	2.89
787ST-24	38	1 1/2	-24	38.1	52.8	35.0	5000	140.0	20000	255	3.96
787ST-32	51	2	-32	50.8	67.6	35.0	5000	140.0	20000	318	6.50

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

#### Hose layline example





# 797

## No-Skive GlobalCore Compact Spiral™

Size -4 exceeds ISO 18752-AC  
Sizes -6 to -32 exceed ISO 18752-BC



- 1/2 the bend radius of SAE 100R15
- Constant working pressure of 42.0 MPa
- Reduced O.D. and new construction lead to superior flexibility
- 1/3 less effort to bend
- Weight reduction – up to 26 %

### Primary Applications

On- & offshore, construction, injection moulding, mining

### Applicable Specifications

Exceed ISO 18752-AC/CC/DC

### Construction

Inner tube: Proprietary synthetic rubber  
Reinforcement: Two braid steel wire for size -4,  
four or six compact spiral steel wire  
for sizes - 6 to -32  
Cover: Synthetic rubber

### Recommended Fluids

Petroleum based hydraulic fluids and lubricating oils.  
Wide Compatibility exceeding Column III, with additional  
chemical resistance, especially for diesel and biodiesel.  
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

Series 43/48 for size -4



Series 43 for size -6



Series 77 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		
797-4	6	1/4	-4	6.3	13.0	42.0	6000	168.0	24000	50	0.31
797-6	10	3/8	-6	10.0	17.0	42.0	6000	168.0	24000	63	0.46
797-8	12	1/2	-8	12.7	21.1	42.0	6000	168.0	24000	100	0.67
797-10	16	5/8	-10	15.9	23.9	42.0	6000	168.0	24000	115	0.80
797-12	19	3/4	-12	19.1	27.9	42.0	6000	168.0	24000	135	1.16
797-16	25	1	-16	25.4	35.7	42.0	6000	168.0	24000	165	1.74
797-20	31	1 1/4	-20	31.8	44.9	42.0	6000	168.0	24000	225	2.89
797-24	38	1 1/2	-24	38.1	52.8	42.0	6000	168.0	24000	305	3.96
797-32	51	2	-32	50.8	67.6	42.0	6000	168.0	24000	380	6.50

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

Hose layline example



# 797TC

## No-Skive GlobalCore Compact Spiral™

### Tough Cover

Size -4 exceeds ISO 18752-AC  
 Sizes -8 to -20 exceed ISO 18752-DC  
 Sizes -6, -24, -32 exceed ISO 18752-CC

### Primary Applications

On- & offshore, construction, injection moulding, mining

### Type Approvals

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

### Applicable Specifications

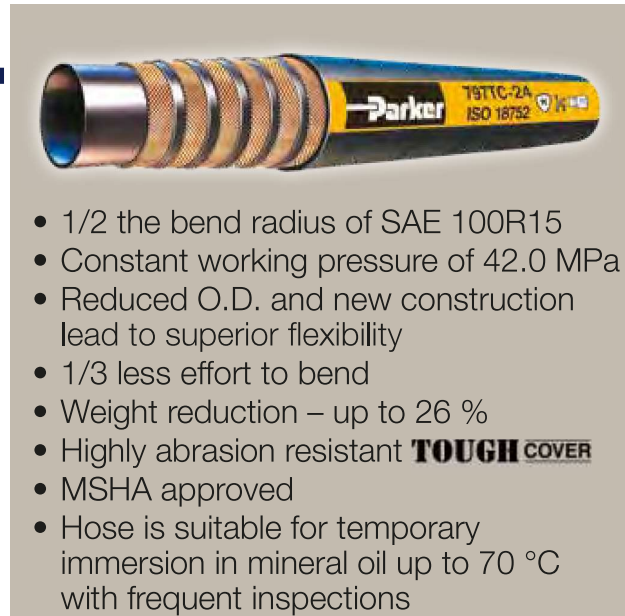
Exceeds SAE 100R15 – ISO 3862 Type R15 –  
 ISO 18752-AC/CC/DC

### Construction

Inner tube: Proprietary synthetic rubber  
 Reinforcement: Two braid steel wire for size -4,  
 four or six compact spiral steel wire  
 for sizes -6 to -32  
 Cover: Highly abrasion resistance  
 MSHA approved synthetic rubber

Temperature Range ..... -40 °C up to +125 °C  
 (size -4 up to +100 °C)

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



- 1/2 the bend radius of SAE 100R15
- Constant working pressure of 42.0 MPa
- Reduced O.D. and new construction lead to superior flexibility
- 1/3 less effort to bend
- Weight reduction – up to 26 %
- 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

Petroleum based hydraulic fluids and lubricating oils.  
 Wide Compatibility exceeding Column III, with additional chemical resistance, especially for diesel and biodiesel.  
 Consult the chemical compatibility section on pages **Ab-26** to **Ab-34** for more detailed information.

### Fitting Series

Series 43/48 for size-4



Series 43 for size -6



Series 77 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		
797TC-4	6	1/4	-4	6.3	13.0	42.0	6000	168.0	24000	50	0.31
797TC-6	10	3/8	-6	10.0	17.0	42.0	6000	168.0	24000	63	0.46
797TC-8	12	1/2	-8	12.7	21.1	42.0	6000	168.0	24000	100	0.67
797TC-10	16	5/8	-10	15.9	23.9	42.0	6000	168.0	24000	115	0.80
797TC-12	19	3/4	-12	19.1	27.9	42.0	6000	168.0	24000	135	1.16
797TC-16	25	1	-16	25.4	35.7	42.0	6000	168.0	24000	165	1.74
797TC-20	31	1 1/4	-20	31.8	44.9	42.0	6000	168.0	24000	225	2.89
797TC-24	38	1 1/2	-24	38.1	52.8	42.0	6000	168.0	24000	305	3.96
797TC-32	51	2	-32	50.8	67.6	42.0	6000	168.0	24000	380	6.50

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

### Hose layline example



# 797ST

## No-Skive GlobalCore Compact Spiral™

### Super Tough

Size -4 exceeds ISO 18752-AC  
 Sizes -8 to -20 exceed ISO 18752-DC  
 Sizes -6, -24, -32 exceed ISO 18752-CC

#### Primary Applications

On- & offshore, construction, injection moulding, mining

#### Type Approvals

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

#### Applicable Specifications

Exceeds SAE 100R15 – ISO 3862 Type R15 –  
 ISO 18752-AC/CC/DC

#### Construction

Inner tube: Proprietary synthetic rubber  
 Reinforcement: Two braid steel wire for size -4,  
 four or six compact spiral steel wire  
 for sizes - 6 to -32  
 Cover: Synthetic rubber  
 with a special polyethylene coating

Temperature Range ..... -40 °C up to +125 °C  
 (size -4 up to +100 °C)

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



- 1/2 the bend radius of SAE 100R15
  - Constant working pressure of 42.0 MPa
  - Reduced O.D. and new construction lead to superior flexibility
  - 1/3 less effort to bend
  - Weight reduction – up to 26 %
  - Extreme abrasion resistant
- SUPER TOUGH** cover

#### Recommended Fluids

Petroleum based hydraulic fluids and lubricating oils.  
 Wide Compatibility exceeding Column III, with additional  
 chemical resistance, especially for diesel and biodiesel.  
 Consult the chemical compatibility section on  
 pages **Ab-26** to **Ab-34** for more detailed information.

#### Fitting Series

Series 43/48 for size -4

Series 43 for size -6

Series 77 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		
797ST-4	6	1/4	-4	6.3	13.0	42.0	6000	168.0	24000	50	0.31
797ST-6	10	3/8	-6	10.0	17.0	42.0	6000	168.0	24000	63	0.46
797ST-8	12	1/2	-8	12.7	21.1	42.0	6000	168.0	24000	100	0.67
797ST-10	16	5/8	-10	15.9	23.9	42.0	6000	168.0	24000	115	0.80
797ST-12	19	3/4	-12	19.1	27.9	42.0	6000	168.0	24000	135	1.16
797ST-16	25	1	-16	25.4	35.7	42.0	6000	168.0	24000	165	1.74
797ST-20	31	1 1/4	-20	31.8	44.9	42.0	6000	168.0	24000	225	2.89
797ST-24	38	1 1/2	-24	38.1	52.8	42.0	6000	168.0	24000	305	3.96
797ST-32	51	2	-32	50.8	67.6	42.0	6000	168.0	24000	380	6.50

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

Hose layline example

