

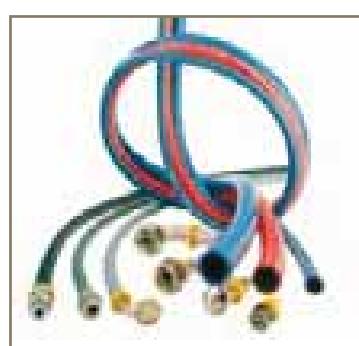


aerospace
climate control
electromechanical
filtration
fluid & gas handling
hydraulics
pneumatics
process control
sealing & shielding



Hydraulic Hoses, Fittings and Equipment

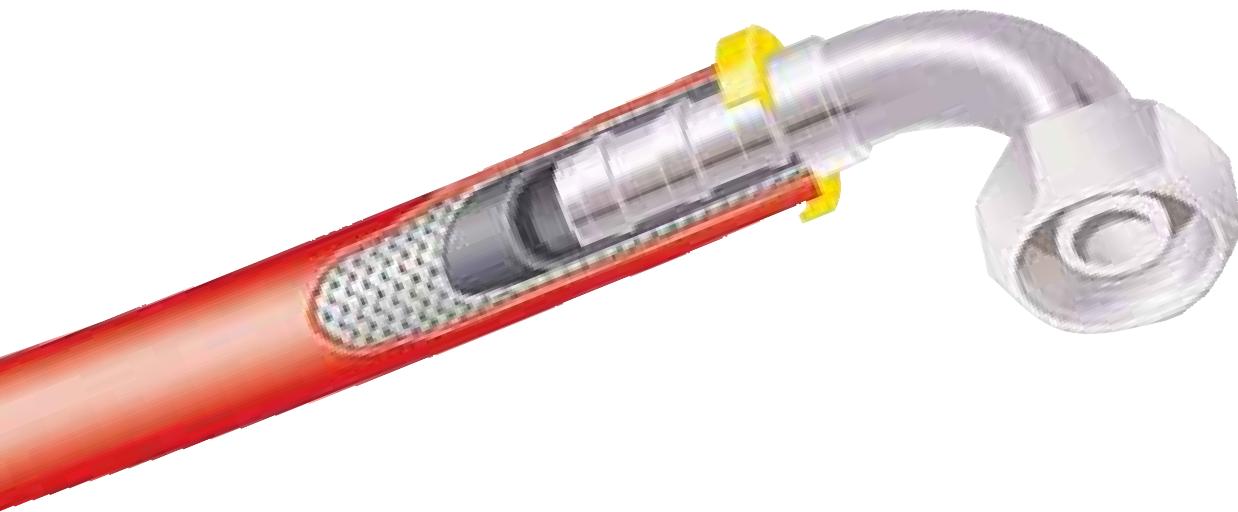
Low pressure



ENGINEERING YOUR SUCCESS.

Low-Pressure Push-Lok®

The self-grip hose system for low-pressure applications



One fitting series for all hose types

with DIN, BSP, SAE, JIC and ORFS connections in brass, steel and stainless steel



Wide variety of hose types

6 rubber hose types

- 801Plus** for a variety of applications
- 804** for high-temperature water/phosphate ester fluids
- 821FR** with fire-retardant hose cover
- 831** ideal for petroleum-based fluids
- 836** for high oil temperatures
- 837BM** for a variety of applications including automotive

2 thermoplastic hose types

- 830M** for a variety of applications including automotive
- 838M** for non-conductive applications

1 hybrid hose type

- 837PU-Plus** for a variety of applications including automotive

Applications

Push-Lok® hoses offer variety, excellent performance and durability for the following applications



8 different colours

- easy identification
- simple production processes
 - one colour for one particular medium
- easy control of maintenance intervals
- simple stock planning in different departments



Easy assembly – no tools or clamps required

Push-Lok® assembly (1a, b)

- Cut the hose with a sharp knife
- Push the nipple into the hose
 - that's all!



Push-Lok® disassembly (2a, b)

- Cut lengthwise along a line at approximately a 20° angle from the centre line of the hose. The cut should be approximately 2 cm long. Be careful not to nick barbs when cutting the hose.
- Grip hose and give a sharp downward tug to disengage from fitting.
- Before re-using the nipple, please check it for any damage.





Push-Lok® Hoses and Fittings

Low pressure Push-Lok	Hose	801Plus	B1a-1
		804	B1a-2
		821FR	B1a-3
		830M	B1a-4
831		B1a-5	
836		B1a-6	
837BM		B1a-7	
837PU		B1a-8	
838M		B1a-9	
Fittings 82 series	DIN – Metric	B1b-1 – B1b-8	
	BSP	B1b-9 – B1b-11	
	SAE	B1b-12 – B1b-15	
	ORFS	B1b-16	
	Others	B1b-17 – B1b-21	
Assembly Instructions		B1b-22	
Assembly Tools		B1b-22	

Multipurpose

801  Push-Lok Plus For a variety of applications	830M  Push-Lok For a variety of applications including automotive	831  Push-Lok Ideal for petroleum based fluids	837BM  Push-Lok For a variety of applications including automotive
837PU-Plus  Hybrid Push-Lok For a variety of applications including automotive	B1a-8		

Phosphate Ester

804  Push-Lok For high temperature water and phosphate ester fluid

Fire retardant

821FR  Push-Lok With fire retardant hose cover

High temperature

836  Push-Lok For high oil temperatures
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Non-conductive

838M  Push-Lok For non-conductive applications

801

Push-Lok Plus

For a variety of applications



Primary Applications

All Markets: For light applications
Paper and Pulp: For water / air applications

Restrictions

Not permitted for use in air brake systems.
Not suitable for high dynamic pulsation systems.
Not recommended for fuels (petrol, diesel etc.).
Not recommended for mineral based hydraulic and lubricating oils.

- Very flexible
- Wide range of colours
- Available up to size -16

Construction

Tube: Synthetic rubber
Reinforcement: High tensile textile layer
Cover: High performance synthetic rubber
in different colours

Recommended Fluids

Air, dry air, water, water-oil-emulsions and water-glycol-emulsions.
Consult the chemical compatibility section on pages **Ab-22** to **Ab-30** for more detailed information.

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

Fitting Series

82

Part Number					Hose O.D.	Pressure Rating				Vacuum kilo Pascal *1	min. bend radius	weight				
			max. working pressure	min. burst pressure												
	DN	Inch	Size	mm		MPa	psi	MPa	psi							
801-4-XXX-RL	6	1/4	-4	6.3	12.7	2.4	350	9.7	1400	95	65	0.13				
801-6-XXX-RL	10	3/8	-6	9.5	15.9	2.4	350	9.7	1400	95	75	0.16				
801-8-XXX-RL	12	1/2	-8	12.7	19.8	2.1	300	8.4	1200	95	125	0.27				
801-10-XXX-RL	16	5/8	-10	15.9	23.0	2.1	300	8.4	1200	51	150	0.28				
801-12-XXX-RL	20	3/4	-12	19.1	26.2	2.1	300	8.4	1200	51	180	0.36				
801-16-XXX-RL	25	1	-16	25.4	32.5	1.4	200	5.6	800	51	250	0.55				

*1 = the vacuum values listed in the table are vacuum pressure values in kPa. For an absolute value subtract the table value from 101 kPa
Note: when ordering, specify Push-Lok hose part number, followed by size, followed by colour. Example: 801-4-XXX-RL

XXX = BLK = black

BLU = blue

RED = red

GRN = green

GRA = grey

WHT = white

YEL = yellow

Example: 801-4-GRN-RL (green)

RL = only available on reels

801-16-XXX-RL is only available in grey or black



804

Push-Lok

For high temperature
water and phosphate ester fluid



- For hot water up to +93 °C
- For phosphate ester fluids

Primary Applications

Injection Moulding: For special tempering circuits.

Restrictions

Not permitted for use in air brake systems.

Not suitable for high dynamic pulsation systems.

Do not allow tube to contact any petroleum based fluids.

Construction

Tube: EPDM material

Reinforcement: High tensile textile layer

Cover: Black EPDM material

Recommended Fluids

Phosphate ester based hydraulic fluids, water, water glycol emulsions, air. Use liquid soap as lubricant. Consult the chemical compatibility section on pages **Ab-22** to **Ab-30** for more detailed information.

Temperature Range up to +80 °C

Exception: Air max. +70 °C

Water max. +93 °C

82

Fitting Series

Part Number	Hose I.D.				Hose O.D.	Pressure Rating				Vacuum kilo Pascal *1	min. bend radius	weight
	DN	Inch	Size	mm		MPa	psi	MPa	psi			
804-4-RL	6	1/4	-4	6.3	12.7	1.7	250	6.8	1000	51	65	0.13
804-6-RL	10	3/8	-6	9.5	15.9	1.7	250	6.8	1000	51	75	0.16
804-8-RL	12	1/2	-8	12.7	19.8	1.7	250	6.8	1000	51	130	0.27
804-12-RL	20	3/4	-12	19.1	26.2	1.7	250	6.8	1000	51	180	0.28

RL = only available on reels

821FR

Push-Lok

With fire retardant hose cover



- Fire retardant hose cover
- Very flexible
- For high level air temperatures

Primary Applications

All Markets: For a variety of applications

Restrictions

Not permitted for use in air brake systems.
Not suitable for high dynamic pulsation systems.
Not recommended for fuels (petrol, diesel etc.)

Construction

Tube: Synthetic PKR-rubber

Reinforcement: High tensile textile layer

Cover: A fire retardant special fiber outer cover

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

Exception: Air max. +100 °C
Water max. +85 °C

Recommended Fluids

Mineral based hydraulic and lubricating oils, coolant, antifreeze, air, water and water-oil emulsions.

Consult the chemical compatibility section on pages **Ab-22** to **Ab-30** for more detailed information.

82

Fitting Series

Part Number	Hose I.D.				Hose O.D. mm	Pressure Rating				Vacuum kilo Pascal *1	min. bend radius mm	weight kg
	DN	Inch	Size	mm		MPa	psi	MPa	psi			
821FR-4-XXX-RL	6	1/4	-4	6.3	12.7	2.4	350	9.7	1400	95	65	0.12
821FR-6-XXX-RL	10	3/8	-6	9.5	15.9	2.0	300	8.3	1200	95	75	0.16
821FR-8-XXX-RL	12	1/2	-8	12.7	19.8	2.0	300	8.3	1200	95	130	0.18
821FR-12-XXX-RL	20	3/4	-12	19.0	26.2	1.7	250	6.8	1000	95	180	0.33

*1 = the vacuum values listed in the table are vacuum pressure values in kPa. For an absolute value subtract the table value from 101 kPa
Note: when ordering, specify Push-Lok hose part number, followed by size, followed by colour. Example: 821FR-4-XXX-RL

XXX = BLK = black



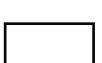
BLU = blue



GRN = green



WHT = white



BRN = brown



Example: 821FR-4-GRN-RL (green)

RL = only available on reels

830M

Push-Lok

For a variety of applications
including automotive



Primary Applications

All Markets: For a variety of applications

Robot and Automotive market:

For hose bundle systems

Restrictions

Not permitted for use in air brake systems.

Not suitable for high dynamic pulsation systems.

Not recommended for fuels (petrol, diesel etc.)

- Chemical resistant for a wide range of fluids
- High abrasion resistance
- Free of wetting disturbing substances (LABS free)
- Small OD and bend radii
- Excellent UV and ozone resistance

Construction

Tube: Polyurethane material

Reinforcement: High tensile textile layer

Cover: High performance polyurethane material
in different colours

Recommended Fluids

Mineral based hydraulic and lubricating oils, coolant, antifreeze, air, water and water-oil emulsions.

Consult the chemical compatibility section on pages **Ab-22** to **Ab-30** for more detailed information.

Temperature Range -40 °C up to +80 °C

Fitting Series

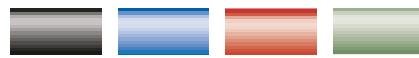
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Part Number	Hose I.D.				Hose O.D. mm	Pressure Rating				Vacuum kilo Pascal *1	min. bend radius mm	weight kg
	DN	Inch	Size	mm		MPa	psi	MPa	psi			
830M-4-XXX-RL	6	1/4	-4	6.3	10.7	1.6	232	6.4	928	10	30	0.08
830M-6-XXX-RL	10	3/8	-6	9.5	14.9	1.6	232	6.4	928	10	50	0.13
830M-8-XXX-RL	12	1/2	-8	12.7	19.1	1.6	232	6.4	928	10	70	0.20
830M-10-XXX-RL	16	5/8	-10	16.0	23.0	1.6	232	6.4	928	10	90	0.26
830M-12-XXX-RL	20	3/4	-12	19.0	26.0	1.6	232	6.4	928	10	110	0.31

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

Note: when ordering, specify Push-Lok hose part number, followed by size, followed by colour. Example: 830M-4-XXX-RL

XXX = BLK = black



BLU = blue

RED = red

GRN = green

Example: 830M-4-GRN-RL (green)

RL = only available on reels

831

Push-Lok

Ideal for petroleum based fluids



Primary Applications

All Markets: For a wide range of fluids

Restrictions

Not permitted for use in air brake systems.
Not suitable for high dynamic pulsation systems.
Not recommended for fuels (petrol, diesel etc.)

Construction

Tube: Nitrile (NBR)

Reinforcement: High tensile textile layer

Cover: High performance synthetic rubber
in different colours

- Max. working pressure up to 2.4 MPa
- High temperature level
for petroleum based fluids
- Nitrile (NBR) inner tube
– extended fluid compatibility

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

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

Recommended Fluids

Mineral based hydraulic and lubricating oils, coolant,
antifreeze, air, water and water-oil emulsions.

Consult the chemical compatibility section on
pages **Ab-22** to **Ab-30** for more detailed information.

Fitting Series

82

Part Number	Hose I.D.				Hose O.D. mm	Pressure Rating				Vacuum kilo Pascal *1	min. bend radius mm	weight kg
	DN	Inch	Size	mm		MPa	psi	MPa	psi			
831-4-XXX-RL	6	1/4	-4	6.3	12.7	2.4	350	9.7	1400	95	65	0.13
831-6-XXX-RL	10	3/8	-6	9.5	15.9	2.0	300	8.3	1200	95	75	0.16
831-8-XXX-RL	12	1/2	-8	12.7	19.8	2.0	300	8.3	1200	95	130	0.27
831-10-XXX-RL	16	5/8	-10	15.9	23.0	2.0	300	8.3	1200	51	150	0.28
831-12-XXX-RL	20	3/4	-12	19.1	26.2	2.0	300	8.3	1200	51	180	0.36

*1 = the vacuum values listed in the table are vacuum pressure values in kPa. For an absolute value subtract the table value from 101 kPa
Note: when ordering, specify Push-Lok hose part number, followed by size, followed by colour. Example: 831-4-XXX-RL

XXX = BLK = black



BLU = blue

RED = red

GRN = green

Example: 831-4-GRN-RL (green)

RL = only available on reels

836

Push-Lok

For high oil temperatures



Primary Applications

All Markets: Special high temperature applications

- Max. oil temperature up to +150 °C
- Blue hose cover

Type Approvals

Details please find on pages **Ab-14** and **Ab-15**

Restrictions

Not permitted for use in air brake systems.

Not suitable for high dynamic pulsation systems.

Not recommended for fuels (petrol, diesel etc.)

Construction

Tube: Synthetic PKR rubber

Reinforcement: High tensile textile layer

Cover: Blue synthetic PKR rubber

Recommended Fluids

Mineral based hydraulic and lubricating oils, coolant, antifreeze, air, water and water-oil emulsions.

Consult the chemical compatibility section on pages **Ab-22** to **Ab-30** for more detailed information.

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

Exception: Air max. +100 °C

Water max. +85 °C

82

Fitting Series

Part Number	Hose I.D.				Hose O.D.	Pressure Rating				Vacuum kilo Pascal *1	min. bend radius	weight
	DN	Inch	Size	mm		max. working pressure	MPa	psi	min. burst pressure	MPa	psi	
836-4-RL	6	1/4	-4	6.3	12.7	1.7	250	6.8	1000	95	65	0.13
836-6-RL	10	3/8	-6	9.5	15.7	1.7	250	6.8	1000	95	75	0.16
836-8-RL	12	1/2	-8	12.7	19.8	1.7	250	6.8	1000	95	130	0.27
836-10-RL	16	5/8	-10	15.9	23.1	1.7	250	6.8	1000	51	150	0.28
836-12-RL	20	3/4	-12	19.1	26.2	1.7	250	6.8	1000	51	180	0.36

*1 = the vacuum values listed in the table are vacuum pressure values in kPa. For an absolute value subtract the table value from 101 kPa
RL = only available on reels

837BM

Push-Lok

For a variety of applications
including automotive



Primary Applications

All Markets: For a variety of applications
Automotive: For water / air applications

Restrictions

Not permitted for use in air brake systems
Not suitable for high dynamic pulsation systems
Not recommended for fuels (petrol, diesel etc.)
Not recommended for mineral based hydraulic
and lubricating oils

- High level of hose flexibility
- High abrasion resistance
- Free from wetting disturbing substances
- Low push-in forces

Construction

Tube: Synthetic rubber
Reinforcement: High tensile textile layer
Cover: High performance synthetic rubber
in different colours

Recommended Fluids

Air, dry air, water, water-oil-emulsions and
water-glycol-emulsions.
Consult the chemical compatibility section on
pages **Ab-22** to **Ab-30** for more detailed information.

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

Fitting Series

82

Part Number					Hose O.D.	Pressure Rating				Vacuum kilo Pascal *1	min. bend radius	weight				
	Hose I.D.		max. working pressure	min. burst pressure												
	DN	Inch	Size	mm		MPa	psi	MPa	psi							
837BM-4-XXX-RL	6	1/4	-4	6.3	12.7	1.6	235	6.4	940	95	65	0.13				
837BM-6-XXX-RL	10	3/8	-6	9.5	15.9	1.6	235	6.4	940	95	75	0.16				
837BM-8-XXX-RL	12	1/2	-8	12.7	19.8	1.6	235	6.4	940	95	130	0.27				
837BM-10-XXX-RL	16	5/8	-10	15.9	23.0	1.6	235	6.4	940	51	150	0.28				
837BM-12-XXX-RL	20	3/4	-12	19.1	26.2	1.6	235	6.4	940	51	180	0.36				
837BM-16-XXX-RL	25	1	-16	25.4	32.5	1.4	200	5.6	800	51	250	0.55				

*1 = the vacuum values listed in the table are vacuum pressure values in kPa. For an absolute value subtract the table value from 101 kPa
Note: when ordering, specify Push-Lok hose part number, followed by size, followed by colour. Example: 837BM-4-XXX-RL

XXX = BLK = black
BLU = blue
RED = red
GRN = green
GRA = grey



Example: 837BM-4-GRN-RL (green)
RL = only available on reels

837PU-Plus

Hybrid Push-Lok

For a variety of applications
including automotive

Primary Applications

All Markets: For high demand applications
For energy chain systems

Robot and Automotive market:
For hose bundle systems

Restrictions

Not permitted for use in air brake systems
Not suitable for high dynamic pulsation systems
Not recommended for fuels (petrol, diesel etc.)
Not recommended for mineral based hydraulic
and lubricating oils

Construction

Tube: Synthetic rubber

Reinforcement: High tensile textile layer

Cover: High performance polyurethane material
in different colours



- High level of hose flexibility
- High abrasion resistance
- High torsion resistance
- Free from wetting disturbing substances
- Low push-in forces

Recommended Fluids

Air, dry air, water, water-oil-emulsions and
water-glycol-emulsions.
Consult the chemical compatibility section on
pages **Ab-22** to **Ab-30** for more detailed information.

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

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

Fitting Series

82

Part Number	Hose I.D.				Hose O.D.	Pressure Rating				Vacuum kilo Pascal *1	min. bend radius	weight				
	DN	Inch	Size	mm		max. working pressure	min. burst pressure	psi	MPa							
837PU-4-xxx-RL	6	1/4	-4	6.3	12.7	1.6	235	6.4	940	95	30	0.11				
837PU-6-xxx-RL	10	3/8	-6	9.5	15.9	1.6	235	6.4	940	95	50	0.15				
837PU-8-xxx-RL	12	1/2	-8	12.7	19.8	1.6	235	6.4	940	95	70	0.26				
837PU-10-xxx-RL	16	5/8	-10	15.9	23.0	1.6	235	6.4	940	51	90	0.27				
837PU-12-xxx-RL	20	3/4	-12	19.1	26.2	1.6	235	6.4	940	51	110	0.33				

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

Note: when ordering, specify Push-Lok hose part number, followed by size, followed by colour. Example: 837PU-4-XXX-RL

XXX = BLK = black

BLU = blue

RED = red

GRN = green

GRA = grey



Example: 837PU-4-GRN-RL (green)

RL = only available on reels

838M

Push-Lok

For non-conductive applications



Primary Applications

Special Market: For special electrical requirements,
e.g. cooling lines with de-ionized water

- Non conductive hose
- High level of hose flexibility

Restrictions

Not permitted for use in air brake systems.
Not suitable for high dynamic pulsation systems.
Not recommended for fuels (petrol, diesel etc.)

Construction

Tube: Polyurethane material
Reinforcement: High tensile textile layer
Cover: Orange coloured polyurethane material

Temperature Range -40 °C up to +80 °C

Recommended Fluids

Mineral based hydraulic and lubricating oils, coolant, antifreeze, water, water-oil emulsions.

Consult the chemical compatibility section on pages **Ab-22** to **Ab-30** for more detailed information.

82

Fitting Series

Part Number	Hose I.D.				Hose O.D. 	Pressure Rating				Vacuum kilo Pascal *1 kPa	min. bend radius mm	weight kg
	DN	Inch	Size	mm		MPa	psi	MPa	psi			
838M-4-RL	6	1/4	-4	6.3	11.2	1.6	232	6.4	928	10	30	0.08
838M-6-RL	10	3/8	-6	9.5	15.0	1.6	232	6.4	928	10	50	0.13
838M-8-RL	12	1/2	-8	12.7	19.1	1.6	232	6.4	928	10	70	0.20
838M-10-RL	16	5/8	-10	16.0	23.0	1.6	232	6.4	928	10	90	0.26
838M-12-RL	20	3/4	-12	19.0	26.0	1.6	232	6.4	928	10	110	0.31

*1 = the vacuum values listed in the table are vacuum pressure values in kPa. For an absolute value subtract the table value from 101 kPa
RL = only available on reels



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



Hydraulic Hoses and Fittings

Medium pressure



ENGINEERING YOUR SUCCESS.

Medium-Pressure Hoses and Fittings

The perfect range for the more demanding market requirements



This medium-pressure hose range contains the Elite No-Skive compact hydraulic hoses exceeding ISO and EN specifications and the

classic No-Skive hydraulic hoses according to ISO, EN and SAE specifications. This hose range is complemented by a full selection

of compatible No-Skive fittings in steel and stainless steel.

- Extended range of working temperatures:
-50 °C up to +150 °C
- Selected hoses feature nitrile inner tubes suitable for mineral and bio-degradable oils
- Full range of fluid compatibility; oil, water, phosphate ester etc.
- Using high quality compounds allows thin covers – less weight – long service life still assured
- High flexibility for easier installation and increased service life

- Small bend radii and light weight for applications where space and weight are determining factors
- High abrasion resistance hose covers superior to ISO 6945 requirements, extending service life
- High ozone-resistant cover compounds extending weathering and ageing resistance
- Parkrimp machines, portable or bench mounted for easy assembly operation – hose assemblies meet CE directives



Parkrimp® No-Skive

The system for fast and leak-free assemblies

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

The perfect match



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



Parker's colour-coded die sets



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



Parkalign®



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



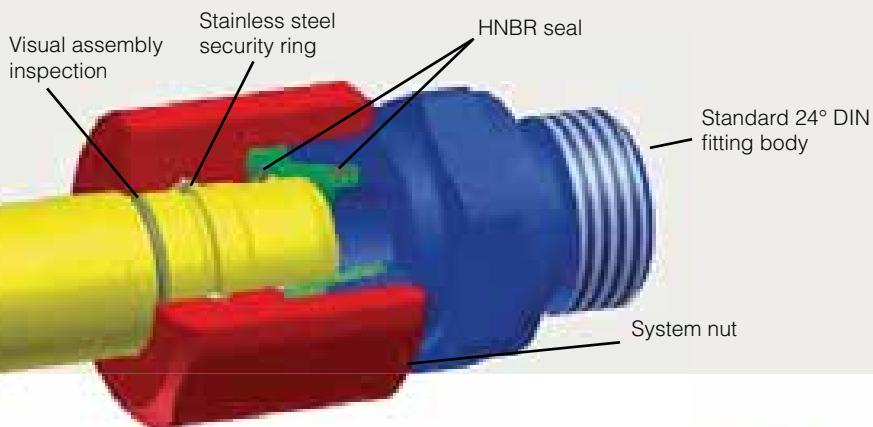
Applications

The definitive hose range for all medium-pressure applications



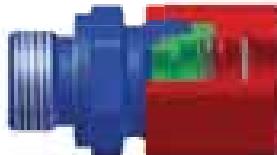
Universal Push-to-Connect (UPTC)

The unique push-in system for tubes and hoses



In use with tube and hose

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



As a standard solution it's a stroke of genius

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



Assembly

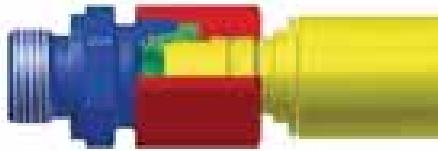
- Simply introduce the hose or tube into the works-assembled fitting and push in.



Assembled connector

Simple

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



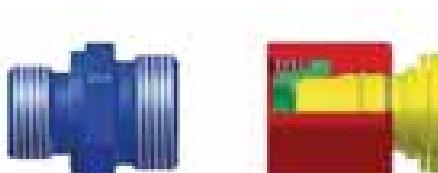
Safe

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



Leak-proof

- Elastomeric seal
- 100 % leak-proof

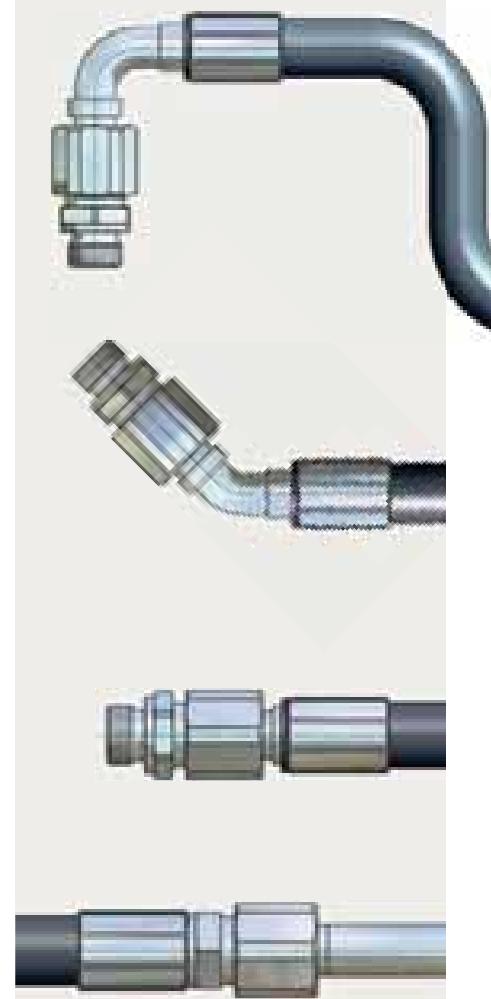


Disassembly

- Removable and fit for reassembly just like conventional screw fittings – possible even in very dirty conditions
- Repair-friendly
- No special tools required



Examples



Parkrimp No-Skive Hoses and Fittings

No-Skive Hose Medium pressure	301SN	<i>No-Skive</i>	Ca-1
	301TC	<i>No-Skive</i>	Ca-2
	302	<i>No-Skive</i>	Ca-3
	304	<i>No-Skive</i>	Ca-4
	351TC	<i>No-Skive</i>	Ca-5
	402	<i>No-Skive</i>	Ca-6
	412	<i>No-Skive</i>	Ca-7
	421RH	<i>No-Skive</i>	Ca-8
	421SN	<i>No-Skive</i>	Ca-9
	421WC	<i>No-Skive</i>	Ca-10
	422	<i>No-Skive</i>	Ca-11
	424	<i>No-Skive</i>	Ca-12
	426	<i>No-Skive</i>	Ca-13
	436	<i>No-Skive</i>	Ca-14
	441	<i>No-Skive</i>	Ca-15
	441RH	<i>No-Skive</i>	Ca-16
	451	<i>No-Skive</i>	Ca-17
	451TC	<i>No-Skive</i>	Ca-18
	461LT	<i>No-Skive</i>	Ca-19
	462	<i>No-Skive</i>	Ca-20
	462ST	<i>No-Skive</i>	Ca-21
	463	<i>No-Skive</i>	Ca-22
	471TC	<i>No-Skive</i>	Ca-23
	472TC	<i>No-Skive</i>	Ca-23
	477	<i>No-Skive</i>	Ca-24
	477ST	<i>No-Skive</i>	Ca-25
	492	<i>No-Skive</i>	Ca-26
	492ST	<i>No-Skive</i>	Ca-27
	493	<i>No-Skive</i>	Ca-28
	692	<i>No-Skive</i>	Ca-29
	692Twin	<i>No-Skive</i>	Ca-30
	811	<i>No-Skive</i>	Ca-31
	881	<i>No-Skive</i>	Ca-32
Fittings 46 and 48 series	DIN – Metric	Cb-1 – Cb-12	
	BSP	Cb-13 – Cb-19	
	SAE	Cb-20 – Cb-27	
	Flange	Cb-28 – Cb-32	
	ORFS	Cb-33 – Cb-38	
	JIS	Cb-39 – Cb-40	
	French Standard	Cb-41 – Cb-43	
	High Pressure Cleaning	Cb-44 – Cb-45	
	Others	Cb-46	
	UPTC	Cb-47 – Cb-48	

Parker Hannifin assumes no liability for typographical errors or other errors

Standard

301SN	Ca-1	302	Ca-3	421SN	Ca-9	422	Ca-11
							
<i>No-Skive</i> DIN EN 853 2SN – ISO 1436 Type 2		<i>WORLDWIDE No-Skive</i> DIN EN 853 2SN – ISO S 1436		<i>No-Skive</i> DIN EN 853 1SN – ISO 1436 Type 1		<i>WORLDWIDE No-Skive</i> ISO 1436 1SN	
441	Ca-15	451	Ca-17	462	Ca-20	492	Ca-26
							
<i>No-Skive</i> ISO 11237 Type R16 – SAE 100R16		<i>No-Skive</i> ISO 11237 Type R17 – SAE 100R17		<i>Elite Compact</i> DIN EN 857 2SC – ISO 11237 Type 2SC		<i>Elite Compact</i> DIN EN 857 1SC – ISO 11237 Type 1SC	

High abrasion resistance – MSHA approved

301TC	Ca-2	351TC	Ca-5	451TC	Ca-18	471TC / 472TC	Ca-23
							
<i>No-Skive Tough Cover</i> DIN EN 853 2SN – ISO 1436 Type 2		<i>No-Skive Tough Cover</i> ISO 11237 Type R19 – SAE 100R19		<i>No-Skive Tough Cover</i> ISO 11237 Type R17 – SAE 100R17		<i>No-Skive</i> DIN EN 857 2SC – ISO 11237 Type 2SC	

Extreme abrasion resistance

462ST	Ca-21	492ST	Ca-27
			
<i>Elite Super Tough Compact</i> DIN EN 857 2SC – ISO 11237 Type 2SC		<i>Elite Super Tough Compact</i> DIN EN 857 1SC – ISO 11237 Type 1SC	

Low / High temperature

426	Ca-13	436	Ca-14	461LT	Ca-19
					
<i>No-Skive</i> SAE 100R1AT high temperature		<i>No-Skive</i> Compact		<i>Elite Compact</i> DIN EN 857 2SC low temperature	

Phosphate Ester

304	Ca-4	424	Ca-12
			
<i>No-Skive</i> Phosphate ester resistant hose		<i>No-Skive</i> Phosphate ester resistant hose	

Railway

421RH	Ca-8	441RH	Ca-16
			
<i>No-Skive</i> Fire-retardant cover		<i>No-Skive</i> Compact	

Water cleaning

463	Ca-22	493	Ca-28
 No-Skive Compact High pressure water cleaning applications		 No-Skive Compact High pressure water cleaning applications	

Pilot

402	Ca-6	412	Ca-7
 Elite Compact Pilot line applications		 RemoFlex No-Skive 1 wire braided hose for pilot lines	

Wire cover

421WC	Ca-10
 No-Skive Galvanised steel wire cover	

PowerLift

477	Ca-24	477ST	Ca-25
 PowerLift No-Skive 2 wire braided		 PowerLift No-Skive 2 wire braided	

Extremely flexible

692	Ca-29	692Twin	Ca-30
 Elite Compact Constant pressure, tight bend radius		 Elite Compact Twin constant pressure, tight bend radius	

Suction

811	Ca-31	881	Ca-32
 No-Skive Suction and Return Line SAE 100R4		 No-Skive Suction and Return Line SAE 100R4	



301SN

No-Skive

DIN EN 853 2SN – ISO 1436 Type 2



Primary Applications

General medium pressure hydraulic applications

Type Approvals

Details please find on pages **Ab-14** and **Ab-15**

Applicable Specifications

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

Construction

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* thin cover hose construction
- Nitrile (NBR) inner tube
 - extended fluid compatibility
- Suitable with 48 series fittings

Recommended Fluids

Petroleum and water-glycol based fluids, lubricating oils, air and water. For air above 1.7 MPa, the hose cover must be pin-pricked.

Consult the chemical compatibility section on pages **Ab-22** to **Ab-30** for more detailed information.

Fitting Series

48

Part Number	Hose I.D.				Hose O.D.	Pressure Rating				min. bend radius	weight
	DN	Inch	Size	mm		max. working pressure	MPa	psi	min. burst pressure	MPa	kg
301SN-4	6	1/4	-4	6.3	15.0	40.0	5800	160.0	23200	100	0.39
301SN-5	8	5/16	-5	7.9	16.6	35.0	5075	140.0	20300	115	0.42
301SN-6	10	3/8	-6	9.5	19.0	33.0	4775	132.0	19100	130	0.55
301SN-8	12	1/2	-8	12.7	22.2	27.5	4000	110.0	16000	180	0.67
301SN-10	16	5/8	-10	15.9	25.4	25.0	3600	100.0	14500	200	0.77
301SN-12	20	3/4	-12	19.1	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	32	1-1/4	-20	31.8	47.5	12.5	1800	50.0	7200	420	1.73
301SN-24	40	1-1/2	-24	38.1	55.0	9.0	1300	36.0	5200	500	2.14
301SN-32	50	2	-32	50.8	67.0	8.0	1150	32.0	4600	630	2.96

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

301TC

No-Skive Tough Cover

DIN EN 853 2SN – ISO 1436 Type 2



Primary Applications

General medium pressure hydraulic applications where high abrasion is required

Type Approvals

Details please find on pages **Ab-14** and **Ab-15**

Applicable Specifications

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

Construction

Tube: Nitrile (NBR)

Reinforcement: Two high tensile steel wire braids

Cover: MSHA approved 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
- 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 and water-glycol based fluids, lubricating oils, air and water. For air above 1.7 MPa, the hose cover must be pin-pricked.

Consult the chemical compatibility section on pages **Ab-22** to **Ab-30** for more detailed information.

Fitting Series

48

Part Number	Hose I.D.				Hose O.D. 	Pressure Rating					min. bend radius mm	weight kg
	DN	Inch	Size	mm		mm	MPa	psi	MPa	psi		
301TC-4	6	1/4	-4	6.3	15.0	40.0	5800	160.0	23200	100	0.39	
301TC-5	8	5/16	-5	7.9	16.6	35.0	5075	140.0	20300	115	0.42	
301TC-6	10	3/8	-6	9.5	19.0	33.0	4775	132.0	19100	130	0.55	
301TC-8	12	1/2	-8	12.7	22.2	27.5	4000	110.0	16000	180	0.67	
301TC-10	16	5/8	-10	15.9	25.4	25.0	3600	100.0	14500	200	0.77	
301TC-12	20	3/4	-12	19.1	29.3	21.5	3100	86.0	12400	240	1.00	
301TC-16	25	1	-16	25.4	38.1	16.5	2400	66.0	9600	300	1.49	
301TC-20	32	1-1/4	-20	31.8	47.5	12.5	1800	50.0	7200	420	1.73	
301TC-24	40	1-1/2	-24	38.1	55.0	9.0	1300	36.0	5200	500	2.14	
301TC-32	50	2	-32	50.8	67.0	8.0	1150	32.0	4600	630	2.96	

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.

302

WORLDWIDE **No-Skive**
DIN EN 853 2SN – ISO S 1436

Primary Applications

General medium pressure hydraulic applications

Type Approvals

Details please find on pages **Ab-14** and **Ab-15**

Applicable Specifications

DIN EN 853 2SN – ISO S 1436 – SAE 100R2AT

Construction

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



- Meets ISO 1436
- Worldwide availability
- Worldwide consistent appearance, part number and functionality
- **No-Skive** thin cover hose construction
- Extended fluid compatibility (including biodegradable oils)

Recommended Fluids

Petroleum and water-glycol based fluids, lubricating oils, air and water. For air above 1.7 MPa, the hose cover must be pin-pricked.

Consult the chemical compatibility section on pages **Ab-22** to **Ab-30** for more detailed information.

Fitting Series



Part Number	Hose I.D.				Hose O.D. 	Pressure Rating				min. bend radius 	weight
	DN	Inch	Size	mm		max. working pressure 	MPa	psi	min. burst pressure 	MPa	psi
302-4	6	1/4	-4	6.3	15.0	40.0	5800	160.0	23200	100	0.39
302-5	8	5/16	-5	7.9	16.6	35.0	5075	140.0	20300	115	0.42
302-6	10	3/8	-6	9.5	19.0	33.0	4775	132.0	19100	130	0.55
302-8	12	1/2	-8	12.7	22.2	27.5	4000	110.0	16000	180	0.67
302-10	16	5/8	-10	15.9	25.4	25.0	3600	100.0	14500	200	0.77
302-12	20	3/4	-12	19.1	29.3	21.5	3100	86.0	12400	240	1.00
302-16	25	1	-16	25.4	38.1	16.5	2400	66.0	9600	300	1.49
302-20	32	1-1/4	-20	31.8	47.5	12.5	1800	50.0	7200	420	1.73
302-24	40	1-1/2	-24	38.1	55.0	9.0	1300	36.0	5200	500	2.14
302-32	50	2	-32	50.8	67.0	8.0	1150	32.0	4600	630	2.96

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

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

Tube: EPDM synthetic rubber

Reinforcement: Two high tensile steel wire braids

Cover: Green EPDM synthetic rubber

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
- EPDM hose resistant to phosphate ester fluids
- 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-22** to **Ab-30** for more detailed information.



Fitting Series

Series 48 for sizes -20 to -32

*Series 43 for sizes -4 to -32 available on request

Part Number	Hose I.D.				Hose O.D. 	Pressure Rating				min. bend radius 	weight
	DN	Inch	Size	mm		mm	MPa	psi	MPa	psi	
304-4	6	1/4	-4	6.3	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	20	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	32	1-1/4	-20	31.8	48.0	11.2	1625	45.0	6500	420	1.73
304-24	40	1-1/2	-24	38.1	55.0	8.6	1250	35.0	5075	500	2.14
304-32	50	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.

351TC

No-Skive Tough Cover

ISO 11237 Type R19 – SAE 100R19



Primary Applications

General medium pressure hydraulic applications where higher abrasion resistance is required

Type Approvals

Details please find on pages **Ab-14** and **Ab-15**

Applicable Specifications

ISO 11237 Type R19 – SAE 100R19

Construction

Tube: Synthetic rubber

Reinforcement: Two braids steel wire

Cover: MSHA approved 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
- Constant working pressure of 28.0 MPa
- Highly abrasion resistant **TOUGH cover**
- MSHA approved
- Hose is suitable for temporary immersion in mineral oil up to 70 °C with frequent inspections

Recommended Fluids

Petroleum and water-glycol based fluids, lubricating oils, air and water. For air above 1.7 MPa, the hose cover must be pin-pricked.

Consult the chemical compatibility section on pages **Ab-22** to **Ab-30** for more detailed information.

Fitting Series



Part Number	Hose I.D.				Hose O.D. 	Pressure Rating				min. bend radius	weight
	DN	Inch	Size	mm		max. working pressure 	MPa	psi	min. burst pressure 	MPa	psi
351TC-4	6	1/4	-4	6.3	13.0	28	4000	112	1600	50	0.30
351TC-6	10	3/8	-6	9.5	17.0	28	4000	112	1600	65	0.42
351TC-8	12	1/2	-8	12.7	20.0	28	4000	112	1600	90	0.52
351TC-10	16	5/8	-10	15.9	24.0	28	4000	112	1600	100	0.66
351TC-12	20	3/4	-12	19.1	28.0	28	4000	112	1600	120	0.86

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.

402

Elite Compact

Pilot line applications



- **No-Skive** thin cover Compact hose
- Constant working pressure of 10.0 MPa

Primary Applications

Mobile hydraulic: Pilot lines

Construction

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

Petroleum and water-glycol based fluids, lubricating oils, air and water. For air above 1.7 MPa, the hose cover must be pin-pricked.

Consult the chemical compatibility section on pages **Ab-22** to **Ab-30** for more detailed information.

Fitting Series

- Available as complete hose assembly
- Compatible with 2-piece fittings for use with adjustable crimpers only (47 series nipple and 10049 series shell)

Part Number	Hose I.D.				Hose O.D. 	Pressure Rating					weight
	DN	Inch	Size	mm		max. working pressure 	MPa	psi	min. burst pressure 	MPa	psi
402-4	6	1/4	-4	6.3	11.6	10.0	1450	40.0	5800	50	0.15
402-5	8	5/16	-5	7.9	13.2	10.0	1450	40.0	5800	60	0.18
402-6	10	3/8	-6	9.5	14.8	10.0	1450	40.0	5800	65	0.21
402-8	12	1/2	-8	12.7	18.6	10.0	1450	40.0	5800	75	0.29

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

412**RemoFlex No-Skive**

1 wire braided hose for pilot lines

**Primary Applications**

Mobile hydraulic equipment:Pilot lines

Construction

Tube: Nitrile (NBR)

Reinforcement: One highly 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**

Petroleum and water-glycol based fluids, lubricating oils, air and water. For air above 1.7 MPa, the hose cover must be pin-pricked.

Consult the chemical compatibility section on pages **Ab-22** to **Ab-30** for more detailed information.**Fitting Series**

- Available as complete hose assembly
- Compatible with 2-piece fittings for use with adjustable crimpers only (47 series nipple and 10049 series shell)

Part Number	Hose I.D.				Hose O.D.	Pressure Rating				min. bend radius	weight
	DN	Inch	Size	mm		max. working pressure	MPa	psi	min. burst pressure	MPa	kg
412-3	5	3/16	-3	4.6	9.1	12.0	1700	48.0	6800	20	0.085
412-4	6	1/4	-4	6.3	11.0	12.0	1700	48.0	6800	25	0.14
412-6	10	3/8	-6	9.5	14.0	12.0	1700	48.0	6800	40	0.23

ST version can be ordered with the extension „ST“ e. g. 412ST-...

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

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-14** and **Ab-15**

Applicable Specifications

DIN EN 853 1SN – ISO 1436 Typ 1 – SAE 100R1AT

Construction

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
- German Standard: **DIN 5510-2**
- French Standard: **NF F16-101/102 I2/F3**
- British Standard: **BS 6853 - Table 4**

Recommended Fluids

Petroleum and water-glycol based fluids, lubricating oils, air and water. For air and gas above 1.7 MPa, the hose cover must be pin-pricked.

Consult the chemical compatibility section on pages **Ab-22** to **Ab-30** for more detailed information.

Fitting Series

48

Part Number	Hose I.D.				Hose O.D.	Pressure Rating				min. bend radius	weight
	DN	Inch	Size	mm		mm	MPa	psi	MPa	psi	
421RH-20	32	1.1/4	-20	31.8	44.8	6.3	900	25.0	3600	420	1.19
421RH-24	40	1.1/2	-24	38.1	51.1	5.0	725	20.0	2900	500	1.49
421RH-32	50	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.

421SN

No-Skive

DIN EN 853 1SN – ISO 1436 Type 1



Primary Applications

General medium pressure hydraulic applications

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

Type Approvals

Details please find on pages **Ab-14** and **Ab-15**

Applicable Specifications

DIN EN 853 1SN – ISO 1436 Type 1 – SAE 100R1AT

Construction

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

Petroleum and water-glycol based fluids, lubricating oils, air and water. For air above 1.7 MPa, the hose cover must be pin-pricked.

Consult the chemical compatibility section on pages **Ab-22** to **Ab-30** for more detailed information.

Fitting Series



Part Number	Hose I.D.				Hose O.D.	Pressure Rating				min. bend radius	weight
	DN	Inch	Size	mm		max. working pressure	MPa	psi	min. burst pressure	MPa	psi
421SN-4	6	1/4	-4	6.3	13.4	22.5	3250	90.0	13000	100	0.24
421SN-5	8	5/16	-5	7.9	15.0	21.5	3125	86.0	12500	115	0.27
421SN-6	10	3/8	-6	9.5	17.4	18.0	2600	72.0	10400	130	0.34
421SN-8	12	1/2	-8	12.7	20.7	16.0	2325	64.0	9300	180	0.43
421SN-10	16	5/8	-10	15.9	23.9	13.0	1875	52.0	7500	200	0.49
421SN-12	20	3/4	-12	19.1	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	32	1.1/4	-20	31.8	44.8	6.3	900	25.2	3600	420	1.19
421SN-24	40	1.1/2	-24	38.1	51.1	5.0	725	20.0	2900	500	1.49
421SN-32	50	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.

421WC

No-Skive

Galvanised steel wire cover



- **No-Skive** thin cover hose construction
- Metal and glass hot-spot resistance

Primary Applications

Machine tool and glass industry

Applicable Specifications

SAE 100 R1AT

Construction

Tube: Synthetic rubber

Reinforcement: One high tensile steel wire braid

Cover: Galvanized steel wire

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

Exception: Air max. +70 °C

Water max. +85 °C

Recommended Fluids

Petroleum and water-glycol based fluids, lubricating oils, air and water.

Consult the chemical compatibility section on pages **Ab-22** to **Ab-30** for more detailed information.



43

Fitting Series

- Available as complete hose assembly
- Parker 43 series fittings are compatible with this hose type and are available only on request

Part Number	Hose I.D.				Hose O.D. 	Pressure Rating					weight
	DN	Inch	Size	mm		mm	MPa	psi	MPa	psi	
421WC-4	6	1/4	-4	6.3	15.0	19.0	2750	76.0	11000	100	0.38
421WC-6	10	3/8	-6	9.5	19.0	15.5	2250	62.0	9000	130	0.54
421WC-8	12	1/2	-8	12.7	22.0	13.8	2000	55.0	8000	180	0.67
421WC-12	20	3/4	-12	19.1	29.0	8.6	1250	35.0	5075	240	0.95
421WC-16	25	1	-16	25.4	37.0	6.9	1000	28.0	4000	300	1.31

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

422

WORLDWIDE *No-Skive*
ISO 1436 1SN

Primary Applications

General medium pressure hydraulic applications

Type Approvals

Details please find on pages **Ab-14** and **Ab-15**

Applicable Specifications

ISO 1436 – DIN EN 853 1SN – SAE 100R1AT

Construction

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



- Meets ISO 1436
- Worldwide availability
- Worldwide consistent appearance, part number and functionality
- *No-Skive* thin cover hose construction
- Nitrile (NBR) inner tube
 - extended fluid compatibility

Recommended Fluids

Petroleum and water-glycol based fluids, lubricating oils, air and water. For air above 1.7 MPa, the hose cover must be pin-pricked.

Consult the chemical compatibility section on pages **Ab-22** to **Ab-30** for more detailed information.

Fitting Series

48

Part Number	Hose I.D.				Hose O.D.	Pressure Rating				min. bend radius	weight
	DN	Inch	Size	mm		max. working pressure	MPa	psi	min. burst pressure	MPa	psi
422-4	6	1/4	-4	6.3	13.4	22.5	3250	90.0	13000	100	0.24
422-5	8	5/16	-5	7.9	15.0	21.5	3125	86.0	12500	115	0.27
422-6	10	3/8	-6	9.5	17.4	18.0	2600	72.0	10400	130	0.34
422-8	12	1/2	-8	12.7	20.7	16.0	2325	64.0	9300	180	0.43
422-10	16	5/8	-10	15.9	23.9	13.0	1875	52.0	7500	200	0.49
422-12	20	3/4	-12	19.0	27.8	10.5	1525	42.0	6100	240	0.63
422-16	25	1	-16	25.4	35.8	8.8	1275	35.0	5075	300	0.94
422-20	32	1.1/4	-20	31.8	44.8	6.3	900	25.2	3600	420	1.19
422-24	40	1.1/2	-24	38.1	51.1	5.0	725	20.0	2900	500	1.49
422-32	50	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.

424

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

Tube: EPDM synthetic rubber

Reinforcement: One high tensile steel wire braid

Cover: Green EPDM synthetic rubber

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
- SAE 100R1 pressure rating

Recommended Fluids

Phosphate ester based hydraulic fluids, water-glycol based fluids, air and water.

Consult the chemical compatibility section on pages **Ab-22** to **Ab-30** for more detailed information.

***43**

Fitting Series

*Available as complete hose assemblies with fittings series 43 for sizes -16 to -32 on request

Part Number	Hose I.D.				Hose O.D.	Pressure Rating				min. bend radius	weight
	DN	Inch	Size	mm		mm	MPa	psi	MPa	psi	
424-16	25	1	-16	25.4	36.0	6.9	1000	28.0	4000	300	0.94
424-20	32	1-1/4	-20	31.8	45.0	4.3	625	17.0	2500	420	1.19
424-24	40	1-1/2	-24	38.1	51.0	3.5	500	14.0	2000	500	1.49
424-32	50	2	-32	50.8	64.6	2.4	375	10.0	1500	630	2.23

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

426

No-Skive

SAE 100R1AT high temperature



Primary Applications

Medium pressure hydraulic applications at high temperature

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

Type Approvals

Details please find on pages **Ab-14** and **Ab-15**

Applicable Specifications

SAE 100 R1AT

Construction

Tube: PKR synthetic rubber

Reinforcement: One high tensile steel wire braid

Cover: Blue synthetic rubber

Recommended Fluids

Petroleum hydraulic fluids, lubricating oils, water-glycol based fluids, air and water.

Consult the chemical compatibility section on pages **Ab-22** to **Ab-30** for more detailed information.

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

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

Fitting Series



Part Number	Hose I.D.				Hose O.D.	Pressure Rating				min. bend radius	weight
	DN	Inch	Size	mm		max. working pressure	MPa	psi	min. burst pressure	MPa	kg
426-4-RL	6	1/4	-4	6.3	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	20	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	32	1.1/4	-20	31.8	45.0	4.3	625	17.2	2500	420	1.40
426-24	40	1.1/2	-24	38.1	51.0	3.5	500	14.0	2000	500	1.46
426-32	50	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.

436

No-Skive Compact

SAE 100R16 high temperature



Primary Applications

Medium pressure hydraulic applications at high temperature

Type Approvals

Details please find on pages **Ab-14** and **Ab-15**

Applicable Specifications

SAE 100R16

Construction

Tube: PKR synthetic rubber

Reinforcement: Two high tensile steel wire braids

Cover: MSHA approved blue synthetic rubber

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

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

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

Recommended Fluids

Petroleum hydraulic fluids, lubricating oils, water-glycol based fluids, air and water.

Consult the chemical compatibility section on pages **Ab-22** to **Ab-30** for more detailed information.

Fitting Series



Part Number	Hose I.D.				Hose O.D. 	Pressure Rating					weight
	DN	Inch	Size	mm		mm	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	20	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.

441

No-Skive

ISO 11237 Type R16 – SAE 100R16



Primary Applications

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

- **No-Skive** hose construction
- One wire braid construction – two wire braid performance
- +125 °C working temperature
- Suitable with both 46 & 48 series fittings

Applicable Specifications

ISO 11237 Type R16 – SAE 100R16

Construction

Tube: Synthetic rubber

Reinforcement: One steel wire construction

Cover: Synthetic rubber

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

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

Recommended Fluids

Petroleum and water-glycol based fluids, lubricating oils, air and water. For air above 1.7 MPa, the hose cover must be pin-pricked.

Consult the chemical compatibility section on pages **Ab-22** to **Ab-30** for more detailed information.

Fitting Series



Part Number	Hose I.D.				Hose O.D.	Pressure Rating				min. bend radius	weight
	DN	Inch	Size	mm		max. working pressure	MPa	psi	min. burst pressure	MPa	kg
441-4	6	1/4	-4	6.3	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	20	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

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-14** and **Ab-15**

Applicable Specifications

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

Construction

Tube: Synthetic rubber

Reinforcement: One steel wire construction

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
- Suitable with 46 & 48 series fittings
- Fire-retardant cover
- German Standard: **DIN 5510-2**
- French Standard: **NF F16-101/102 I2/F3**
- British Standard: **BS 6853 - Table 4**
- Italian Standard: **UNI CEI 11170**

Recommended Fluids

Petroleum and water-glycol based fluids, lubricating oils, air and water. For air and gas above 1.7 MPa, the hose cover must be pin-pricked.

Consult the chemical compatibility section on pages **Ab-22** to **Ab-30** 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		
441RH-4	6	1/4	-4	6.3	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	20	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.

451

No-Skive

ISO 11237 Type R17 – SAE 100R17



Primary Applications

General medium pressure hydraulic applications

Applicable Specifications

ISO 11237 Type R17 – SAE 100R17

Construction

Tube: Nitrile (NBR)

Reinforcement: One or two high tensile steel wire braids

Cover: Synthetic rubber

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

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

- **No-Skive** thin cover hose construction
- Constant working pressure of 21.0 Mpa
- Nitrile (NBR) inner tube
 - extended fluid compatibility

Recommended Fluids

Petroleum and water-glycol based fluids, lubricating oils, air and water. For air above 1.7 MPa, the hose cover must be pin-pricked.

Consult the chemical compatibility section on pages **Ab-22** to **Ab-30** for more detailed information.

Fitting Series



Part Number	Hose I.D.				Hose O.D.	Pressure Rating				min. bend radius	weight
	DN	Inch	Size	mm		max. working pressure	MPa	psi	min. burst pressure	MPa	kg
451-4	6	1/4	-4	6.3	13.4	21.0	3000	84.0	12000	50	0.24
451-6	10	3/8	-6	9.5	17.2	21.0	3000	84.0	12000	65	0.34
451-8	12	1/2	-8	12.7	20.4	21.0	3000	84.0	12000	90	0.52
451-10	16	5/8	-10	15.9	23.8	21.0	3000	84.0	12000	100	0.66
451-12	20	3/4	-12	19.1	27.8	21.0	3000	84.0	12000	120	0.86

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

451TC

No-Skive Tough Cover

ISO 11237 Type R17 – SAE 100R17

Primary Applications

General medium pressure hydraulic applications where higher abrasion resistance is required.

Type Approvals

Details please find on pages **Ab-14** and **Ab-15**

Applicable Specifications

ISO 11237 Type R17 – SAE 100R17

Construction

Tube: Nitrile (NBR)

Reinforcement: One or two high tensile steel wire braids

Cover: MSHA approved 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
- Constant working pressure of 21.0 MPa
- Highly abrasion resistant **TOUGH COVER**
- MSHA approved
- Hose is suitable for temporary immersion in mineral oil up to 70 °C with frequent inspections
- Nitrile (NBR) inner tube
 - extended fluid compatibility

Recommended Fluids

Petroleum and water-glycol based fluids, lubricating oils, air and water. For air above 1.7 MPa, the hose cover must be pin-pricked.

Consult the chemical compatibility section on pages **Ab-22** to **Ab-30** 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		
451TC-4	6	1/4	-4	6.3	13.4	21.0	3000	84.0	12000	50	0.24
451TC-6	10	3/8	-6	9.5	17.2	21.0	3000	84.0	12000	65	0.34
451TC-8	12	1/2	-8	12.7	20.4	21.0	3000	84.0	12000	90	0.52
451TC-10	16	5/8	-10	15.9	23.8	21.0	3000	84.0	12000	100	0.66
451TC-12	20	3/4	-12	19.1	27.8	21.0	3000	84.0	12000	120	0.86
451TC-16	25	1	-16	25.4	35.4	21.0	3000	84.0	12000	150	1.17

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.

Also available on reels under part number 451-xx-RL

461LT

Elite Compact

DIN EN 857 2SC low temperature



Primary Applications

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

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

Applicable Specifications

DIN EN 857 2SC

Construction

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

Petroleum and water-glycol based fluids, lubricating oils, air and water. For air above 1.7 MPa, the hose cover must be pin-pricked.

Consult the chemical compatibility section on pages **Ab-22** to **Ab-30** for more detailed information.

Fitting Series



Part Number	Hose I.D.				Hose O.D.	Pressure Rating				min. bend radius	weight
	DN	Inch	Size	mm		max. working pressure	MPa	psi	min. burst pressure	MPa	kg
461LT-4	6	1/4	-4	6.3	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	20	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.

462

Elite Compact

DIN 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-14** and **Ab-15**

Applicable Specifications

DIN EN 857 2SC – ISO 11237 Type 2SC

Construction

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
- Nitrile (NBR) inner tube
 - extended fluid compatibility
- Exceeding EN/ISO specifications for pressure, bend radius and abrasion resistance

Recommended Fluids

Petroleum and water-glycol based fluids, lubricating oils, air and water. For air above 1.7 MPa, the hose cover must be pin-pricked.

Consult the chemical compatibility section on pages **Ab-22** to **Ab-30** for more detailed information.

Fitting Series



Part Number	Hose I.D.				Hose O.D. 	Pressure Rating					min. bend radius mm	weight kg
	DN	Inch	Size	mm		mm	MPa	psi	MPa	psi		
462-4	6	1/4	-4	6.3	13.4	42.5	6160	170.0	24640	75	0.30	
462-5	8	5/16	-5	7.9	15.0	40.0	5800	160.0	23200	85	0.35	
462-6	10	3/8	-6	9.5	17.2	35.0	5075	140.0	20300	90	0.42	
462-8	12	1/2	-8	12.7	20.4	31.0	4495	124.0	17980	130	0.52	
462-10	16	5/8	-10	15.9	23.9	28.0	4060	112.0	16240	160	0.66	
462-12	20	3/4	-12	19.1	27.7	28.0	4060	112.0	16240	195	0.86	
462-16	25	1	-16	25.4	35.4	21.0	3045	84.0	12180	250	1.17	
462-4-WR	6	1/4	-4	6.3	13.4	42.5	6160	170.0	24640	75	0.30	
462-5-WR	8	5/16	-5	7.9	15.0	40.0	5800	160.0	23200	85	0.35	
462-6-WR	10	3/8	-6	9.5	17.2	35.0	5075	140.0	20300	90	0.42	
462-8-WR	12	1/2	-8	12.7	20.4	31.0	4495	124.0	17980	130	0.52	
462-10-WR	16	5/8	-10	15.9	23.9	28.0	4060	112.0	16240	160	0.66	
462-12-WR	20	3/4	-12	19.1	27.7	28.0	4060	112.0	16240	195	0.86	
462-16-WR	25	1	-16	25.4	35.4	21.0	3045	84.0	12180	250	1.17	
462-20-WR*	32	1-1/4	-20	31.8	43.0	17.2	2495	68.8	9980	335	1.50	

Part Number without a suffix: the hose cover has a smooth appearance. Part Number with a suffix (WR): the hose cover has a wrapped appearance.

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

Also available on reels under part number 462-xx-RL

* only with fitting series 46

462ST

Elite Super Tough Compact

DIN EN 857 2SC – ISO 11237 Type 2SC

Primary Applications

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

Applicable Specifications

DIN EN 857 2SC – ISO 11237 Type 2SC

Construction

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



- **No-Skive** hose construction
 - Compact design
- Nitrile (NBR) inner tube
 - extended fluid compatibility
- Extreme abrasion resistant
 - **SUPER TOUGH** cover

Recommended Fluids

Petroleum and water-glycol based fluids, lubricating oils, air and water. For air above 1.7 MPa, the hose cover must be pin-pricked.

Consult the chemical compatibility section on pages **Ab-22** to **Ab-30** for more detailed information.

Fitting Series



Part Number	Hose I.D.				Hose O.D. 	Pressure Rating				min. bend radius 	weight
	DN	Inch	Size	mm		max. working pressure 	MPa	psi	min. burst pressure 	MPa	psi
462ST-4	6	1/4	-4	6.3	13.4	42.5	6500	170.0	24640	75	0.30
462ST-5	8	5/16	-5	7.9	15.0	40.0	5800	160.0	23200	85	0.35
462ST-6	10	3/8	-6	9.5	17.2	35.0	5075	140.0	20000	90	0.42
462ST-8	12	1/2	-8	12.7	20.4	31.0	4450	124.0	17800	125	0.52
462ST-10	16	5/8	-10	15.9	23.9	28.0	4000	112.0	16000	160	0.66
462ST-12	20	3/4	-12	19.1	27.7	28.0	4000	112.0	16000	195	0.86
462ST-16	25	1	-16	25.4	35.4	21.0	3000	84.0	12000	250	1.17
462ST-20*	32	1.1/4	-20	31.8	43.0	17.2	2495	68.8	9980	335	1.50

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

* only with fitting series 46

463

No-Skive Compact

High pressure water cleaning applications



- 2 wire **No-Skive** Compact design
- For water up to +120 °C constant temperature
- Suitable with **No-Skive** 46 series fittings

Primary Applications

High pressure water cleaners

Construction

Tube: Synthetic rubber

Reinforcement: Two high tensile steel wire braids

Cover: Synthetic rubber in black or blue colour

Temperature Range water max. +120 °C

Fitting Series



Part Number	Hose I.D.				Hose O.D. 	Pressure Rating				min. bend radius 	weight
	DN	Inch	Size	mm		max. working pressure	psi	min. burst pressure	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-16**.

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

Also available on reels under part number 463-xx-RL

471TC / 472TC

No-Skive

DIN 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-14** and **Ab-15**

Applicable Specifications

DIN EN 857 2SC – ISO 11237 Type 2SC

Construction

Tube 471TC: Synthetic rubber

Tube 472TC: Nitrile (NBR)

Reinforcement: Two high tensile steel wire braids

Cover: MSHA approved 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
- 472TC: Nitrile (NBR) inner tube
 - extended fluid compatibility
- 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

Petroleum and water-glycol based fluids, lubricating oils, air and water. For air above 1.7 MPa, the hose cover must be pin-pricked.

Consult the chemical compatibility section on pages **Ab-22** to **Ab-30** for more detailed information.

Fitting Series



Part Number	Hose I.D.				Hose O.D.	Pressure Rating				min. bend radius	weight
	DN	Inch	Size	mm		max. working pressure	MPa	psi	min. burst pressure	MPa	kg
471TC-4	6	1/4	-4	6.3	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	20	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
472TC-20	32	1.1/4	-20	31.8	45	15.7	2250	63.0	9000	210	2.01
472TC-24	40	1.1/2	-24	38.1	51	12.5	1800	50.0	7200	250	2.16
472TC-32	50	2	-32	50.8	65	9.0	1300	36.0	5200	315	2.90

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.

477

PowerLift *No-Skive*

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

Tube: Nitrile (NBR)

Reinforcement: Two steel wire construction

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
- Tested at 120 % of the maximum working pressure at 400,000 impulses
- Smaller bend radius and reduced outside diameter bringing a significant advantage in terms of space and weight on compact equipment

Recommended Fluids

Petroleum and water-glycol based fluids, lubricating oils, air and water. For air above 1.7 MPa, the hose cover must be pin-pricked.

Consult the chemical compatibility section on pages **Ab-22** to **Ab-30** for more detailed information.

Fitting Series

48

Part Number	Hose I.D.				Hose O.D. 	Pressure Rating					
	DN	Inch	Size	mm		mm	MPa	psi	MPa	psi	
477-4	6	1/4	-4	6.3	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	20	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	25.0	3600	100.0	14400	250	1.30

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

477ST

PowerLift No-Skive

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

Tube: Nitrile (NBR)

Reinforcement: Two steel wire construction

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
- Extreme abrasion resistant **SUPER TOUGH** cover
- Tested at 120 % of the maximum working pressure at 400,000 impulses
- Smaller bend radius and reduced outside diameter

Recommended Fluids

Petroleum and water-glycol based fluids, lubricating oils, air and water. For air above 1.7 MPa, the hose cover must be pin-pricked.

Consult the chemical compatibility section on pages **Ab-22** to **Ab-30** for more detailed information.

Fitting Series



Part Number	Hose I.D.				Hose O.D.	Pressure Rating				min. bend radius	weight
	DN	Inch	Size	mm		max. working pressure	MPa	psi	min. burst pressure	MPa	kg
477ST-4	6	1/4	-4	6.3	13.1	45.0	6500	180.0	26000	75	0.30
477ST-5	8	5/16	-5	7.9	14.9	42.5	6100	170.0	24400	85	0.35
477ST-6	10	3/8	-6	9.5	17.2	40.0	5800	160.0	23200	90	0.42
477ST-8	12	1/2	-8	12.7	20.4	38.0	5500	152.0	22000	130	0.55
477ST-10	16	5/8	-10	15.9	23.4	35.0	5000	140.0	20000	250	0.65
477ST-12	20	3/4	-12	19.1	27.2	35.0	5000	140.0	20000	310	1.20
477ST-16	25	1	-16	25.4	34.8	25.0	3600	100.0	14400	250	1.30

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

492

Elite Compact

DIN EN 857 1SC – ISO 11237 Type 1SC



Primary Applications

Demanding medium pressure hydraulic applications

Type Approvals

Details please find on pages **Ab-14** and **Ab-15**

Applicable Specifications

DIN EN 857 1SC – ISO 11237 Type 1SC

Construction

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

- **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

Petroleum and water-glycol based fluids, lubricating oils, air and water. For air above 1.7 MPa, the hose cover must be pin-pricked.

Consult the chemical compatibility section on pages **Ab-22** to **Ab-30** for more detailed information.

Fitting Series

46

Part Number	Hose I.D.				Hose O.D. 	Pressure Rating					min. bend radius mm	weight kg
	DN	Inch	Size	mm		mm	MPa	psi	MPa	psi		
492-4	6	1/4	-4	6.3	11.5	28.0	4060	112.0	16240	75	0.18	
492-5	8	5/16	-5	7.9	13.6	25.0	3625	100.0	14500	85	0.21	
492-6	10	3/8	-6	9.5	15.5	22.5	3260	90.0	13050	90	0.25	
492-8	12	1/2	-8	12.7	18.9	19.0	2755	76.0	11020	130	0.33	
492-10	16	5/8	-10	15.9	22.2	15.0	2175	60.0	8700	150	0.41	
492-12	20	3/4	-12	19.1	26.0	15.0	2175	60.0	8700	180	0.56	
492-16	25	1	-16	25.4	33.3	11.0	1595	44.0	6380	230	0.75	
492-4-WR	6	1/4	-4	6.3	11.5	28.0	4060	112.0	16240	75	0.18	
492-5-WR	8	5/16	-5	7.9	13.6	25.0	3625	100.0	14500	85	0.21	
492-6-WR	10	3/8	-6	9.5	15.5	22.5	3260	90.0	13050	90	0.25	
492-8-WR	12	1/2	-8	12.7	18.9	19.0	2755	76.0	11020	130	0.33	
492-10-WR	16	5/8	-10	15.9	22.2	15.0	2175	60.0	8700	150	0.41	
492-12-WR	20	3/4	-12	19.1	26.0	15.0	2175	60.0	8700	180	0.56	
492-16-WR	25	1	-16	25.4	33.3	11.0	1595	44.0	6380	230	0.75	
492-20-WR	32	1.1/4	-20	31.8	40.0	7.5	1085	30.0	4350	335	0.93	

Part Number without a suffix: the hose cover has a smooth appearance. Part Number with a suffix (WR): the hose cover has a wrapped appearance.
The combination of high temperature and high pressure could reduce the hose life.

Also available on reels under part number 492-xx-RL

492ST

Elite Super Tough Compact
DIN EN 857 1SC – ISO 11237 Type 1SC



Primary Applications

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

Applicable Specifications

DIN EN 857 1SC – ISO 11237 Type 1SC

Construction

Tube: Nitrile (NBR)

Reinforcement: One high tensile steel wire braid

Cover: Synthetic rubber
with a special polyethylene coating

- **No-Skive** hose construction
 - Compact design
- Nitrile (NBR) inner tube
 - extended fluid compatibility
- Extreme abrasion resistant
 - SUPER TOUGH** cover

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

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

Recommended Fluids

Petroleum and water-glycol based fluids, lubricating oils, air and water. For air above 1.7 MPa, the hose cover must be pin-pricked.

Consult the chemical compatibility section on pages **Ab-22** to **Ab-30** for more detailed information.

Fitting Series



Part Number	Hose I.D.				Hose O.D.	Pressure Rating				min. bend radius	weight
	DN	Inch	Size	mm		max. working pressure	MPa	psi	min. burst pressure	MPa	kg
492ST-4	6	1/4	-4	6.3	12.0	28.0	4000	112.0	16240	75	0.18
492ST-5	8	5/16	-5	7.9	13.6	25.0	3625	100.0	14500	85	0.21
492ST-6	10	3/8	-6	9.5	15.5	22.5	3260	90.0	13050	90	0.25
492ST-8	12	1/2	-8	12.7	18.9	19.0	2755	76.0	11020	130	0.33
492ST-10	16	5/8	-10	15.9	22.3	15.0	2175	60.0	8700	150	0.41
492ST-12	20	3/4	-12	19.1	26.0	15.0	2175	60.0	8700	180	0.56
492ST-16	25	1	-16	25.4	33.6	11.0	1595	44.0	6380	230	0.75
492ST-20	32	1.1/4	-20	31.8	40.0	7.5	1085	30.0	4350	335	0.93

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

493

No-Skive Compact

High pressure water cleaning applications



- One wire **No-Skive** construction
- For water up to +120 °C constant temperature
- Suitable with 48 series **No-Skive** fittings

Primary Applications

High pressure water cleaners

Construction

Tube: Synthetic rubber

Reinforcement: One high tensile steel wire braid

Cover: Synthetic rubber in black or blue colour

Temperature Range water max. +120 °C

Fitting Series

48

Part Number	Hose I.D.				Hose O.D. 	Pressure Rating				min. bend radius 	weight
	DN	Inch	Size	mm		max. working pressure	psi	min. burst pressure	psi		
493-4	6	1/4	-4	6.3	13.4	20.0	2898	60.0	8695	60	0.18
493-4-BLU	6	1/4	-4	6.3	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-16**.

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

Also available on reels under part number 493-xx-RL

692

Elite Compact

Constant pressure, tight bend radius



Primary Applications

Material handling:

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

Applicable Specifications

Parker specification

Construction

Tube: Nitrile (NBR)

Reinforcement: One or two high tensile steel wire braids

Cover: Synthetic rubber

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

Exception: Air max. +70 °C

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

Recommended Fluids

Petroleum and water-glycol based fluids, lubricating oils, air and water. For air above 1.7 MPa, the hose cover must be pin-pricked.

Consult the chemical compatibility section on pages **Ab-22** to **Ab-30** for more detailed information.

Fitting Series



Part Number	Hose I.D.				Hose O.D.	Pressure Rating				min. bend radius	weight
	DN	Inch	Size	mm		max. working pressure	MPa	psi	min. burst pressure	MPa	kg
692-4	6	1/4	-4	6,3	11,5	21,0	3045	84,0	12180	40	0,18
692-5	8	5/16	-5	7,9	13,6	21,0	3045	84,0	12180	40	0,21
692-6	10	3/8	-6	9,5	15,5	21,0	3045	84,0	12180	40	0,25
692-8	12	1/2	-8	12,7	20,4	21,0	3045	84,0	12180	50	0,52
692-10	16	5/8	-10	15,9	23,9	21,0	3045	84,0	12180	60	0,66

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

692Twin

Elite Compact

Twin constant pressure, tight bend radius



Primary Applications

Lifting and material handling equipment:

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

Applicable Specifications

Parker specification

Construction

Tube: Nitrile (NBR)

Reinforcement: One or two high tensile steel wire braids

Cover: Synthetic rubber

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

Exception: Air max. +70 °C

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

Recommended Fluids

Petroleum and water-glycol based fluids, lubricating oils, air and water. For air above 1.7 MPa, the hose cover must be pin-pricked.

Consult the chemical compatibility section on pages **Ab-22** to **Ab-30** for more detailed information.

Fitting Series



Part Number	Hose I.D.				Hose O.D. 	Pressure Rating					weight kg
	DN	Inch	Size	mm		mm	MPa	psi	MPa	psi	
692-4-4	6	1/4	-4	6.3	25.8	21.0	3045	84.0	12180	40	0.34
692-5-5	8	5/16	-5	7.9	27.4	21.0	3045	84.0	12180	40	0.40
692-6-6	10	3/8	-6	9.5	31.2	21.0	3045	84.0	12180	40	0.48
692-8-8	12	1/2	-8	12.7	41.5	21.0	3045	84.0	12180	50	1.02
692-10-10	16	5/8	-10	15.9	48.7	21.0	3045	84.0	12180	60	1.30

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

811

No-Skive Suction and Return Line

SAE 100R4



- **No-Skive** hose construction
- Small bend radii

Primary Applications

All Markets: General applications

Construction

Tube: Synthetic rubber

Reinforcement: Two textile braids, with wire spiraled throughout the textile reinforcement to prevent collapse under vacuum

Cover: Oil and weather resistant synthetic rubber

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

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

Recommended Fluids

Petroleum and water-glycol based fluids, lubricating oils, air and water.

Consult the chemical compatibility section on pages **Ab-22** to **Ab-30** for more detailed information.



Fitting Series

Up to size - 32

For size -40 and -48 fittings series on request

Part Number					Hose O.D.	Pressure Rating				Vacuum kilo Pascal *1	min. bend radius	weight
	DN	Inch	Size	mm		MPa	psi	MPa	psi			
811-12**	20	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	32	1-1/4	-20	31.8	45.0	1.4	200	5.5	800	85	100	1.22
811-24	40	1-1/2	-24	38.1	52.0	1.0	150	4.1	600	85	130	1.55
811-32	50	2	-32	50.8	64.0	0.7	100	2.8	400	85	150	1.87
811-40	62	2-1/2	-40	62.3	75.0	0.4	62	1.6	248	85	180	2.45
811-48	75	3	-48	74.6	90.0	0.4	62	1.6	248	85	230	3.20

*1 = 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.

881

No-Skive Suction and Return Line

SAE 100R4



Primary Applications

All Markets: For high temperature applications
For general applications

Type Approvals

Details please find on pages **Ab-14** and **Ab-15**

Construction

Tube: Synthetic rubber
Reinforcement: Two textile braids, with wire spiraled throughout the textile reinforcement to prevent collapse under vacuum
Cover: Synthetic rubber MSHA approved

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

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

- **No-Skive** hose construction
- Up to +121 °C working temperature
- MSHA approved

Recommended Fluids

Petroleum and water-glycol based fluids, lubricating oils, air and water.

Consult the chemical compatibility section on pages **Ab-22** to **Ab-30** for more detailed information.



43

48

Fitting Series

Series 43 for sizes -12, -16

Series 48 for sizes -20 up to -32

For size -40 and -48 fittings series on request

Part Number	Hose I.D.				Hose O.D. mm	Pressure Rating				Vacuum kilo Pascal *1 kPa	min. bend radius mm	weight kg
	DN	Inch	Size	mm		MPa	psi	MPa	psi			
881-12	20	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	32	1-1/4	-20	31.8	45.0	1.4	200	5.5	800	95	200	1.32
881-24	40	1-1/2	-24	38.1	52.0	1.0	150	4.1	600	95	250	1.65
881-32	50	2	-32	50.8	63.0	0.7	100	2.8	400	95	300	1.89
881-40	62	2-1/2	-40	62.3	75.0	0.4	62	1.6	248	95	355	2.71

*1 = 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.





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



Hydraulic Hoses, Fittings and Equipment

High pressure



ENGINEERING YOUR SUCCESS.

High-Pressure Hoses and Fittings

Three systems for heavy duty performers

Multispiral Parkrimp *No-Skive*

Crimpable with
Parkrimp System



Compact Spiral Interlock *No-Skive*

Crimpable with
Parkrimp System



ParLock Interlock Skive

Crimpable with
adjustable crimpers



Applications

The definitive hose range for all
high pressure applications



**Parkrimp crimpers
for *No-Skive* one-piece fittings**



**Adjustable crimpers
for two-piece ParLock fittings**



**Parkrimp *No-Skive*
one-piece fittings**



ParLock two-piece skive fittings

Full Flange System

Provides full flange mounting option for Code 61 and 62 ports.

System flexibility reduces inventory investment.



The full flange system addresses the needs of customers by:

- Being easier to assemble
- Providing one-piece integrity
- Being easier to handle
- Being easier to route in tight spaces
- Enabling assemblies to be sent to customers with the flange in place
- Easing bent tube installation (displacement angle) with a freely rotating flange

The full flange system can be used repeatedly because of its patent-pending attachment system – the flange is not permanently locked onto the fitting.

- This is not a captive flange – it can easily be removed
- Flange can be reused if necessary
- Flange is not scrapped on a mis-crimp

New Fitting Configuration

This newly introduced fitting configuration is specifically designed for Parker's full flange system, and will accept either a Code 61 or Code 62 flange. The X5, X7 and X9 fittings are designed to work with all Parkrimp crimpers. These new fittings can replace multiple existing fittings and help to reduce inventory.

Reduction of Inventory

Parker's full flange system requires less inventory than the existing split flange system.

By using the new X5, X7 and X9 fittings, distributors can streamline inventory and can still respond to customer needs. Before the introduction of the full flange system, distributors needed to stock both Code 61 and 62 fittings to be prepared.



1X577-20-20

Straight Code 61 or Code 62 fitting.
Alternative to 15, 4A and 6A configurations.

1X777-20-20

45° Code 61 or Code 62 fitting.
Alternative to 17, 4F and 6F configurations.

1X977-20-20

90° Code 61 or Code 62 fitting.
Alternative to 19, 4N and 6N configurations.

Hoses and Fittings

High pressure	Hose	371LT	Da-1
		372	Da-2
		372RH	Da-3
		372TC	Da-4
		701	Da-5
		721TC	Da-6
		731	Da-7
		761	Da-8
		772LT	Da-9
		774	Da-10
		781	Da-11
		P35	Da-12
		782TC	Da-13
		787TC	Da-14
		791TC	Da-15
		792TC	Da-15
		797TC	Da-16
		F42	Da-17
		H29	Da-18
		H29RH	Da-19
		H29TC	Da-20
		H29ST	Da-21
		H31	Da-22
		H31TC	Da-23
		H31ST	Da-24
R35	Da-25		
R35TC	Da-26		
R42	Da-27		
R42TC	Da-28		
R42ST	Da-29		
R50TC	Da-30		

High pressure	Fittings	Series Chapter	Parkrimp No-Skive								ParLock	
			70 series	71 series	73 series	76 series	77 series	78 series	79 series	S6 series	VS series	V4/V6 series
		Db-	Dc-	Dd-	De-	Df-	Dg-	Dh-	Di-	Dj-	Dk-	
DIN - Metric	1-4	1-4	1-2		1-2	1-2	1-2		2-5	2-5		
BSP	5-7	5-6	3-4		3-5	3-4			6-7	6-8		
SAE	8-10	7-9	5-7		6-8	5-7		1	8-10	9-11		
Flange	11-13	10-13	8-12	1	9-13	8-12	3-4	2-3	11-13	12-24		
ORFS	14-16	14-15	13-15		14-15	13-15	5-6		14-15	25-27		
JIS	17											
French Standard	18		16						16	28		
Others	19	16	17									

Parker Hannifin assumes no liability for typographical errors or other errors

Parkrimp No-Skive

3-braids Standard	3-braids low temperature	3-braids high abrasion res.	3-braids railway
372  No-Skive Compact 3-wire braid compact hose with 4SP working pressures	371LT  No-Skive Compact 3-wire braid low-temperature compact hose with 4SP working pressures	372TC  No-Skive Compact 3-wire braid compact hose with 4SP working pressures	372RH  No-Skive Compact 3-wire braid with fire-retardant cover

Standard

701  No-Skive Multispiral ISO 3862 Type 4SP – DIN EN 856 Type 4SP	731  No-Skive Multispiral ISO 3862 Type 4SH – DIN EN 856 Type 4SH	781  No-Skive Multispiral SAE 100R13 – ISO 3862 Type R13 – DIN EN 856 Type R13	P35  No-Skive Multispiral SAE 100R13 – ISO 3862 Type R13 – DIN EN 856 Type R13
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Phosphate Ester

774  No-Skive Multispiral For phosphate ester base fluids	F42  No-Skive Multispiral For phosphate ester base fluids
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Extreme pressure

761  No-Skive Multispiral Ultra high pressure

High abrasion resistance – MSHA approved

721TC  No-Skive Multispiral SAE 100R12 – DIN EN 856 Type R12 – ISO 3862 Type R12	782TC  No-Skive Multispiral SAE 100R13 – ISO 3862 Type R13 – DIN EN 856 Type R13	791TC / 792TC  No-Skive Multispiral SAE 100R15 – ISO 3862 Type R15	Da-6	Da-13	Da-15
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Low temperature

772LT  No-Skive Multispiral Low-temperature spiral hose for extremely cold conditions	Da-9
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Compact spiral

787TC  No-Skive Compact Spiral ISO 18752-DC	Da-14	797TC  No-Skive Compact Spiral ISO 18752-DC	Da-16
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ParLock

Standard

H29  ParLock Multispiral Exceeds ISO 3862 Type 4SH – DIN EN 856 Type 4SH	Da-18	H31  ParLock Multispiral Exceeds ISO 3862 Type 4SP – DIN EN 856 Type 4SP	Da-22	R35  ParLock Multispiral Exceeds ISO 3862 Type R13 – Parker Specifications	Da-25	R42  ParLock Multispiral Exceeds ISO 3862 Type R15 – Parker Specifications	Da-27
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High abrasion resistance – MSHA approved

H29TC  ParLock Multispiral Exceeds ISO 3862 Type 4SH – DIN EN 856 Type 4SH	Da-20	H31TC  ParLock Multispiral Exceeds ISO 3862 Type 4SP – DIN EN 856 Type 4SP	Da-23	R35TC  ParLock Multispiral Exceeds ISO 3862 Type R13 – Parker Specifications	Da-26	R42TC  ParLock Multispiral Exceeds ISO 3862 Type R15 – Parker Specifications	Da-28
R50TC  ParLock Multispiral Exceeds ISO 3862 Type R15 – Parker Specifications	Da-30						

Extreme abrasion resistance

H29ST  ParLock Multispiral Exceeds ISO 3862 Type 4SH – DIN EN 856 Type 4SH	Da-21	H31ST  ParLock Multispiral Exceeds ISO 3862 Type 4SP – DIN EN 856 Type 4SP	Da-24	R42ST  ParLock Multispiral Exceeds ISO 3862 Type R15 – Parker Specifications	Da-29		
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Railway

H29RH  ParLock Multispiral Fire-retardant cover – exceeds ISO 3862 Type 4SH – DIN EN 856 Type 4SH	Da-19
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371LT

No-Skive Compact

3-wire braid low-temperature compact hose with 4SP working pressures



- **No-Skive** hose construction
 - Compact design
- Excellent ozone resistance
- Temperature range from -50 °C up to +100 °C

Primary Applications

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

Applicable Specifications

Parker Specifications

Construction

Tube: Synthetic rubber

Reinforcement: Three 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

Petroleum and water-glycol based fluids, lubricating oils, air and water. For air above 1.7 MPa, the hose cover must be pin-pricked.

Consult the chemical compatibility section on pages **Ab-22** to **Ab-30** for more detailed information.

Fitting Series

70

Part Number	Hose I.D.				Hose O.D. 	Pressure Rating				min. bend radius 	weight
	DN	Inch	Size	mm		max. working pressure 	MPa	psi	min. burst pressure 	MPa	psi
371LT-6	10	3/8	-6	9.5	21.4	44.5	6500	178.0	26000	120	0.73
371LT-8	12	1/2	-8	12.7	24.6	41.5	6000	166.0	24000	160	0.90
371LT-10	16	5/8	-10	15.9	28.2	35.0	5000	140.0	20000	210	1.09
371LT-12	20	3/4	-12	19.1	32.2	35.0	5000	140.0	20000	260	1.36
371LT-16	25	1	-16	25.4	39.7	28.0	4000	112.0	16000	310	1.78

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

372

No-Skive Compact

3-wire braid compact hose with 4SP working pressures



Primary Applications

General high pressure small bending radii hydraulic applications

Type Approvals

Details please find on pages **Ab-14** and **Ab-15**

Applicable Specifications

Parker Specifications

Construction

Tube: Nitrile (NBR)

Reinforcement: Three 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
- Nitrile (NBR) inner tube for extended fluid compatibility

Recommended Fluids

Petroleum and water-glycol based fluids, lubricating oils, air and water. For air above 1.7 MPa, the hose cover must be pin-pricked.

Consult the chemical compatibility section on pages **Ab-22** to **Ab-30** for more detailed information.

Fitting Series

70

Part Number	Hose I.D.				Hose O.D.	Pressure Rating				min. bend radius	weight
	DN	Inch	Size	mm		MPa	psi	MPa	psi		
372-6	10	3/8	-6	9.5	21.4	44.5	6500	180.0	25800	120	0.73
372-8	12	1/2	-8	12.7	24.6	41.5	6000	166.0	24000	160	0.90
372-10	16	5/8	-10	15.9	28.2	35.0	5000	140.0	20000	210	1.09
372-12	20	3/4	-12	19.1	32.2	35.0	5000	140.0	20000	260	1.36
372-16	25	1	-16	25.4	39.7	28.0	4000	112.0	16000	310	1.78

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

372RH

No-Skive Compact

3-wire braid with fire-retardant cover

Primary Applications

Dynamic and static high-pressure hydraulic systems

Type Approvals

Details please find on pages **Ab-14** and **Ab-15**

Applicable Specifications

Parker specifications

Working pressure and O.D. to DIN EN 856-4SP

Construction

Tube: Nitrile (NBR)

Reinforcement: Three 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



- **No-Skive** hose construction
- Nitrile (NBR) inner tube – high chemical resistance
- Small bend radii
- Fire-retardant cover
- German Standard: **DIN 5510-2**
- French Standard: **NF F16-101/102 I2/F3**
- British Standard: **BS 6853 - Table 4**

Recommended Fluids

Petroleum and water-glycol based fluids, lubricating oils, air and water. For air above 1.7 MPa, the hose cover must be pin-pricked.

Consult the chemical compatibility section on pages **Ab-22** to **Ab-30** for more detailed information.

Fitting Series

70

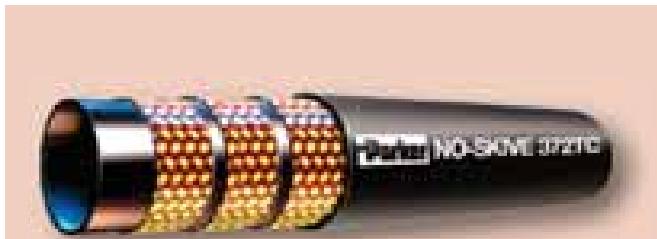
Part Number	Hose I.D.				Hose O.D. 	Pressure Rating				min. bend radius 	weight
	DN	Inch	Size	mm		max. working pressure 	MPa	psi	min. burst pressure 	MPa	psi
372RH-6	10	3/8	-6	9.5	21.4	44.5	6500	180.0	25800	120	0.73
372RH-8	12	1/2	-8	12.7	24.6	41.5	6000	166.0	24000	160	0.90
372RH-10	16	5/8	-10	15.9	28.2	35.0	5000	140.0	20000	210	1.09
372RH-12	20	3/4	-12	19.1	32.2	35.0	5000	140.0	20000	260	1.36
372RH-16	25	1	-16	25.4	39.7	28.0	4000	112.0	16000	310	1.78

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

372TC

No-Skive Compact

3-wire braid compact hose with 4SP working pressures



Primary Applications

General high pressure hydraulic applications (typically in the mobile industry)

Type Approvals

Details please find on pages **Ab-14** and **Ab-15**

Applicable Specifications

Parker specifications – working pressures and outside diameters according to DIN EN 856-4SP

- **No-Skive** hose construction
 - Compact design
- Nitrile (NBR) inner tube for greater 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

Construction

Tube: Nitrile (NBR)

Reinforcement: Three high tensile steel wire braids

Cover: Highly abrasion resistant
MSHA approved synthetic rubber

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

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

Recommended Fluids

Petroleum and water-glycol based fluids, lubricating oils, air and water. For air above 1.7 MPa, the hose cover must be pin-pricked. The **TOUGH COVER** hose is suitable for immersion in mineral oils up to 70 °C.

Consult the chemical compatibility section on pages **Ab-22** to **Ab-30** for more detailed information.

Fitting Series

70

Part Number	Hose I.D.				Hose O.D.	Pressure Rating				min. bend radius	weight
	DN	Inch	Size	mm		MPa	psi	MPa	psi		
372TC-6	10	3/8	-6	9.5	21.4	44.5	6500	180.0	25800	120	0.73
372TC-8	12	1/2	-8	12.7	24.6	41.5	6000	166.0	24000	160	0.90
372TC-10	16	5/8	-10	15.9	28.2	35.0	5000	140.0	20000	210	1.09
372TC-12	20	3/4	-12	19.1	32.2	35.0	5000	140.0	20000	260	1.36
372TC-16	25	1	-16	25.4	39.7	28.0	4000	112.0	16000	310	1.78

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.

701

No-Skive Multispiral

ISO 3862 Type 4SP – DIN EN 856 Type 4SP



Primary Applications

General high pressure hydraulic applications

- **No-Skive** hose construction
- Reinforcement of four high tensile steel wires

Type Approvals

Details please find on pages **Ab-14** and **Ab-15**

Applicable Specifications

ISO 3862 Type 4SP – DIN EN 856 Type 4SP

Construction

Tube: Synthetic rubber

Reinforcement: Four spirals of high-tensile steel wire

Cover: Synthetic rubber

Recommended Fluids

Petroleum and water-glycol based fluids, lubricating oils, air and water. For air above 1.7 MPa, the hose cover must be pin-pricked.

Consult the chemical compatibility section on pages **Ab-22** to **Ab-30** for more detailed information.

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

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

Fitting Series

70

Part Number	Hose I.D.				Hose O.D. 	Pressure Rating				min. bend radius 	weight
	DN	Inch	Size	mm		max. working pressure 	MPa	psi	min. burst pressure 	MPa	psi
701-6	10	3/8	-6	9.5	21.4	45.0	6500	180.0	26000	180	0.78
701-8	12	1/2	-8	12.7	24.6	41.5	6000	166.0	24000	230	0.93
701-10	16	5/8	-10	15.9	28.2	35.0	5000	140.0	20000	250	1.15
701-12	20	3/4	-12	19.1	32.2	35.0	5000	140.0	20000	300	1.58
701-16	25	1	-16	25.4	39.7	28.0	4000	112.0	16000	340	2.04

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

721TC

No-Skive Multispiral

SAE 100R12 – DIN EN 856 Type R12 –
ISO 3862 Type R12



Primary Applications

High-pressure extremely small bending radii applications

Type Approvals

Details please find on pages **Ab-14** and **Ab-15**

Applicable Specifications

SAE 100R12 – DIN EN 856 Type R12 –
ISO 3862 Type R12

- **No-Skive** hose construction
- Half SAE 100R12 specified minimum bend radius
- Highly abrasion resistant **TOUGH COVER**
- MSHA approved
- Hose is suitable for temporary immersion in mineral oil up to 70 °C with frequent inspections

Construction

Tube: Synthetic rubber

Reinforcement: Four spirals of high-tensile steel wire

Cover: High 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

Petroleum and water-glycol based fluids, lubricating oils, air and water. For air above 1.7 MPa, the hose cover must be pin-pricked.

Consult the chemical compatibility section on pages **Ab-22** to **Ab-30** for more detailed information.

Fitting Series

71

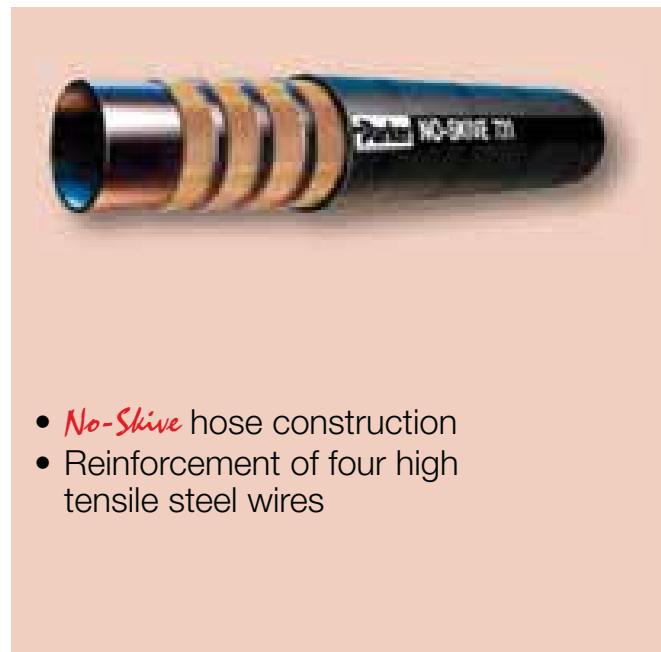
Part Number	Hose I.D.				Hose O.D.	Pressure Rating				min. bend radius	weight
	DN	Inch	Size	mm		MPa	psi	MPa	psi		
721TC-6	10	3/8	-6	9.5	20.0	28.0	4000	112.0	16000	65	0.59
721TC-8	12	1/2	-8	12.7	24.0	28.0	4000	112.0	16000	90	0.80
721TC-10	16	5/8	-10	15.9	27.0	28.0	4000	112.0	16000	100	1.10
721TC-12	20	3/4	-12	19.1	31.0	28.0	4000	112.0	16000	120	1.40
721TC-16	25	1	-16	25.4	38.0	28.0	4000	112.0	16000	150	1.99
721TC-20	32	1-1/4	-20	31.8	47.0	21.0	3000	84.0	12000	210	2.59
721TC-24	40	1-1/2	-24	38.1	53.0	17.5	2500	70.0	10000	250	2.99
721TC-32	50	2	-32	50.8	67.0	17.5	2500	70.0	10000	320	4.09

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.

731

No-Skive Multispiral

ISO 3862 Type 4SH – DIN EN 856 Type 4SH



Primary Applications

General high pressure hydraulic applications

Applicable Specifications

ISO 3862 Type 4SH – DIN EN 856 Type 4SH

Construction

Tube: Synthetic rubber

Reinforcement: Four spirals of high-tensile steel wire

Cover: Synthetic rubber

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

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

Recommended Fluids

Petroleum and water-glycol based fluids, lubricating oils, air and water. For air above 1.7 MPa, the hose cover must be pin-pricked.

Consult the chemical compatibility section on pages **Ab-22** to **Ab-30** for more detailed information.

Fitting Series

73

Part Number	Hose I.D.				Hose O.D. 	Pressure Rating				min. bend radius 	weight
	DN	Inch	Size	mm		max. working pressure 	MPa	psi	min. burst pressure 	MPa	psi
731-12	20	3/4	-12	19.1	32.0	42.0	6000	168.0	24000	280	1.72
731-16	25	1	-16	25.4	39.0	38.0	5500	152.0	22000	340	2.14
731-20	32	1-1/4	-20	31.8	45.0	32.0	4700	130.0	18800	460	2.96
731-24	40	1-1/2	-24	38.1	53.0	29.0	4200	116.0	16800	560	3.20
731-32	50	2	-32	50.8	68.0	25.0	3600	100.0	14400	700	5.30

Tough Cover (MSHA approved) can be ordered with the extension „TC“ e. g. 731TC-..
The combination of high temperature and high pressure could reduce the hose life.

761

No-Skive Multispiral

Ultra high pressure



- Creates new design possibilities for high pressure applications
- **No-Skive** design eliminates the need to remove the cover before crimping
- Durable, colour layline for easy and longer lasting identification
- Flexibility is comparable to SAE 100R15
- Constant working pressure of 56.0 MPa

Primary Applications

High performance/high pressure applications such as construction, hydrostatic drive lines, agriculture, mining, test stands

Construction

Tube: Synthetic rubber

Reinforcement: Six spirals of high-tensile steel wire

Cover: Abrasion resistant black synthetic rubber

Recommended Fluids

Petroleum-based hydraulic fluids and lubricating oils.

Consult the chemical compatibility section on pages **Ab-22** to **Ab-30** for more detailed information.

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

76

Fitting Series

Part Number	Hose I.D.				Hose O.D.	Pressure Rating				min. bend radius	weight
	DN	Inch	Size	mm		MPa	psi	MPa	psi		
761-12	20	3/4	-12	19.1	34.8	56.0	8000	224.0	32000	260	2.32
761-16	25	1	-16	25.4	41.9	56.0	8000	224.0	32000	330	3.00

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

772LT

No-Skive Multispiral

Low-temperature spiral hose
for extremely cold conditions



Primary Applications

Snow grooming equipment, heavy construction equipment, sidebooms

Applicable Specifications

Exceeds SAE 100R12 – ISO 3862 Type R12 –
DIN EN 856 Type R12

- **No-Skive** hose construction
- Exceeds SAE 100R12 / ISO 3862-1 Type R12 / DIN EN 856 Type R12
- Temperature range from -57 °C to 100 °C

Construction

Tube: Nitrile (NBR)

Reinforcement: Four high tensile steel wire braid

Cover: Synthetic rubber

Temperature Range -57 °C up to +100 °C

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

Recommended Fluids

Petroleum and water-glycol based fluids, lubricating oils, air and water. For air above 1.7 MPa, the hose cover must be pin-pricked.

Consult the chemical compatibility section on pages **Ab-22** to **Ab-30** for more detailed information.

Fitting Series

71

Part Number	Hose I.D.				Hose O.D. 	Pressure Rating				min. bend radius 	weight
	DN	Inch	Size	mm		max. working pressure 	MPa	psi	min. burst pressure 	MPa	psi
772LT-8	12	1/2	-8	12.7	24.0	28.0	4000	112.0	16000	180	0.93
772LT-10	16	5/8	-10	15.9	27.0	28.0	4000	112.0	16000	200	1.10
772LT-12	20	3/4	-12	19.1	31.0	28.0	4000	112.0	16000	240	1.40
772LT-16	25	1	-16	25.4	38.0	28.0	4000	112.0	16000	300	1.99
772LT-20	32	1-1/4	-20	31.8	46.0	21.0	3000	84.0	12000	420	2.59
772LT-24	40	1-1/2	-24	38.1	53.0	17.5	2500	70.0	10000	500	2.99

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

774

No-Skive Multispiral

For phosphate ester base fluids

Primary Applications

Test stands for aerospace, foundries, steel mills
High pressure hydraulic applications with phosphate ester fluids

Restrictions

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

Applicable Specifications

Parker specifications

Construction

Tube: Phosphate ester resistant EPDM synthetic rubber
Reinforcement: Four spirals of high-tensile steel wire
Cover: Phosphate ester and weather resistant, green, EPDM synthetic rubber cover

Temperature Range -40 °C up to +80 °C



- **No-Skive** hose construction
- Phosphate ester and weather resistant, green, EPDM synthetic rubber cover

Recommended Fluids

Phosphate ester base hydraulic fluids.

Consult the chemical compatibility section on pages **Ab-22** to **Ab-30** for more detailed information.

Fitting Series

71

Part Number	Hose I.D.				Hose O.D.	Pressure Rating				min. bend radius	weight
	DN	Inch	Size	mm		MPa	psi	MPa	psi		
774-12	20	3/4	-12	19.1	31.0	28.0	4000	112.0	16000	240	1.40
774-16	25	1	-16	25.4	38.0	28.0	4000	112.0	16000	300	1.99
774-20	32	1-1/4	-20	31.8	47.0	21.0	3000	84.0	12000	420	2.59
774-24	40	1-1/2	-24	38.1	53.0	17.5	2500	70.0	10000	500	2.99
774-32	50	2	-32	50.8	67.0	17.5	2500	70.0	10000	630	4.09

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

781

No-Skive Multispiral

SAE 100R13 – ISO 3862 Type R13 –
DIN EN 856 Type R13



Primary Applications

General extremely high pressure hydraulic applications

Applicable Specifications

SAE 100R13 – ISO 3862 Type R13 –
DIN EN 856 Type R13

Construction

Tube: Synthetic rubber

Reinforcement: Four or six spirals of high-tensile steel wire

Cover: Synthetic rubber

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

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

- **No-Skive** hose construction
- Reinforcement of four or six high tensile steel wires
- Constant working pressure of 35.0 Mpa

Recommended Fluids

Petroleum and water-glycol based fluids, lubricating oils, air and water. For air above 1.7 MPa, the hose cover must be pin-pricked.

Consult the chemical compatibility section on pages **Ab-22** to **Ab-30** for more detailed information.

Fitting Series

78

Part Number	Hose I.D.				Hose O.D. 	Pressure Rating				min. bend radius 	weight
	DN	Inch	Size	mm		max. working pressure 	MPa	psi	min. burst pressure 	MPa	psi
781-12	20	3/4	-12	19.1	32.0	35.0	5000	140.0	20000	240	1.59
781-16	25	1	-16	25.4	39.0	35.0	5000	140.0	20000	300	2.20
781-20	32	1-1/4	-20	31.8	50.0	35.0	5000	140.0	20000	420	3.69
781-24	40	1-1/2	-24	38.1	57.0	35.0	5000	140.0	20000	500	4.79

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

P35

No-Skive Multispiral

SAE 100R13 – ISO 3862 Type R13 –
DIN EN 856 Type R13

Primary Applications

Mobile/ industrial hydraulics:

Generally extremely high pressure large flow hydraulic applications

Type Approvals

Details please find on pages **Ab-14** and **Ab-15**

Applicable Specifications

SAE 100R13 – ISO 3862 Type R13 –

DIN EN 856 Type R13

Construction

Tube: Synthetic rubber

Reinforcement: Six spirals of high-tensile steel wire

Cover: Synthetic rubber

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

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



- **No-Skive** hose construction
- Reinforcement of six high tensile steel wires

Recommended Fluids

Petroleum and water-glycol based fluids, lubricating oils, air and water. For air above 1.7 MPa, the hose cover must be pin-pricked.

Consult the chemical compatibility section on pages **Ab-22** to **Ab-30** for more detailed information.

Fitting Series



Part Number					Pressure Rating				min. bend radius	weight	
	Hose I.D.	Hose O.D.	max. working pressure	min. burst pressure							
	DN	Inch	Size	mm	mm	MPa	psi	MPa	psi	mm	kg
P35-32	50	2	-32	50.8	71.0	35.0	5000	140.0	20000	630	7.48

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

782TC

No-Skive Multispiral

SAE 100R13 – ISO 3862 Type R13 –
DIN EN 856 Type R13

Primary Applications

Generally extremely high pressure hydraulic applications

Type Approvals

Details please find on pages **Ab-14** and **Ab-15**

Applicable Specifications

SAE 100R13 – ISO 3862 Type R13 –
DIN EN 856 Type R13

Construction

Tube: Nitrile (NBR)

Reinforcement: Four spirals of high-tensile steel wire

Cover: High 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

Petroleum and water-glycol based fluids, lubricating oils, air and water. For air above 1.7 MPa, the hose cover must be pin-pricked.

Consult the chemical compatibility section on pages **Ab-22** to **Ab-30** for more detailed information.

Fitting Series

78

Part Number	Hose I.D.				Hose O.D. 	Pressure Rating				min. bend radius 	weight
	DN	Inch	Size	mm		max. working pressure 	psi	MPa	min. burst pressure 	psi	
782TC-12	20	3/4	-12	19.1	32.0	35.0	5000	140.0	20000	240	1.59
782TC-16	25	1	-16	25.4	39.0	35.0	5000	140.0	20000	300	2.20
782TC-20	32	1-1/4	-20	31.8	50.0	35.0	5000	140.0	20000	420	3.69
782TC-24	40	1-1/2	-24	38.1	57.0	35.0	5000	140.0	20000	500	4.79

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.

787TC

No-Skive Compact Spiral

ISO 18752-DC



- 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

Primary Applications

On- & offshore, construction, injection moulding, mining

Applicable Specifications

SAE 100R13 – ISO 3862 Type R13 – ISO 18752-DC

Construction

Tube: Proprietary synthetic rubber

Reinforcement: Four or six spirals of high-tensile steel wire

Cover: High 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

Petroleum base hydraulic fluids and lubricating oils.

Wide Compatibility exceeding Column III, with additional chemical resistance, especially for diesel and biodiesel.

For chemical compatibility please contact

HPDE_helpdesk@parker.com

Fitting Series

77

Part Number	Hose I.D.				Hose O.D. 	Pressure Rating					min. bend radius mm	weight kg
	DN	Inch	Size	mm		mm	MPa	psi	MPa	psi		
787TC-8	12	1/2	-8	12.7	21.1	35	5000	140	20000	90	0.67	
787TC-10	16	5/8	-10	15.9	23.9	35	5000	140	20000	100	0.80	
787TC-12	20	3/4	-12	19.1	27.9	35	5000	140	20000	120	1.16	
787TC-16	25	1	-16	25.4	35.7	35	5000	140	20000	150	1.74	
787TC-20	32	1-1/4	-20	31.5	44.9	35	5000	140	20000	210	2.89	

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.

791TC / 792TC

No-Skive Multispiral

SAE 100R15 – ISO 3862 Type R15



Primary Applications

Mobile hydraulics: Hydrostatic drives

General industrial hydraulics: Injection moulding machines

Test stands

Type Approvals

Details please find on pages **Ab-14** and **Ab-15**

Applicable Specifications

SAE 100R15 – ISO 3862 Type R15

Construction

Tube 791TC: Synthetic rubber

Tube 792TC: Nitrile (NBR)

Reinforcement: Four or six spirals of high-tensile steel wire

Cover: High abrasion resistance

MSHA approved synthetic rubber

- **No-Skive** hose construction
- 792TC: Nitrile (NBR) inner tube – extended fluid compatibility
- Constant working pressure of 42.0 MPa
- Highly abrasion resistant **TOUGH COVER**
- MSHA approved
- Hose is suitable for temporary immersion in mineral oil up to 70 °C with frequent inspections

Recommended Fluids

Petroleum and water-glycol based fluids, lubricating oils, air and water. For air above 1.7 MPa, the hose cover must be pin-pricked.

Consult the chemical compatibility section on pages **Ab-22** to **Ab-30** for more detailed information.

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

Exception: Air max. +70 °C

Water max. +85 °C

Fitting Series

79

Part Number	Hose I.D.				Hose O.D. 	Pressure Rating				min. bend radius 	weight 		
	DN	Inch	Size	mm		max. working pressure 	MPa	psi	min. burst pressure 	MPa	psi		
792TC-12	20	3/4	-12	19.1	32.0	42.0	6000		168.0	24000		265	1.59
792TC-16	25	1	-16	25.4	39.0	42.0	6000		168.0	24000		330	2.20
791TC-20	32	1-1/4	-20	31.8	50.0	42.0	6000		168.0	24000		250	3.69
791TC-24	40	1-1/2	-24	38.1	57.0	42.0	6000		168.0	24000		305	4.79

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.

797TC

No-Skive Compact Spiral

ISO 18752-DC



- 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

Primary Applications

On- & offshore, construction, injection moulding, mining

Applicable Specifications

SAE 100R15 – ISO 3862 Type R15 – ISO 18752-DC

Construction

Tube: Proprietary synthetic rubber

Reinforcement: Four or six spirals of high-tensile steel wire

Cover: High 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

Petroleum base hydraulic fluids and lubricating oils.

Wide Compatibility exceeding Column III, with additional chemical resistance, especially for diesel and biodiesel.

For chemical compatibility please contact

HPDE_helpdesk@parker.com

Fitting Series

77

Part Number	Hose I.D.				Hose O.D. 	Pressure Rating					min. bend radius mm	weight kg
	DN	Inch	Size	mm		MPa	psi	MPa	psi			
797TC-8	12	1/2	-8	12.7	21.1	42	6000	168	24000	100	0.67	
797TC-10	16	5/8	-10	15.9	23.9	42	6000	168	24000	115	0.80	
797TC-12	20	3/4	-12	19.1	27.9	42	6000	168	24000	135	1.16	
797TC-16	25	1	-16	25.4	35.7	42	6000	168	24000	165	1.74	
797TC-20	32	1-1/4	-20	31.5	44.9	42	6000	168	24000	225	2.89	

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.

F42

No-Skive Multispiral

For phosphate ester base fluids

Primary Applications

Test stands for aerospace, foundries, steel mills
High 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

Tube: Phosphate ester resistant EPDM synthetic rubber

Reinforcement: Four or six spirals of high-tensile steel wire

Cover: Phosphate ester and weather resistant, green EPDM synthetic rubber cover



- **No-Skive** hose construction
- Phosphate ester and weather resistant, green, EPDM synthetic rubber cover
- Constant working pressure of 42.0 MPa

Recommended Fluids

Phosphate ester based hydraulic fluids, water-glycol based fluids, air and water.

Consult the chemical compatibility section on pages **Ab-22** to **Ab-30** for more detailed information.

Temperature Range -40 °C up to +80 °C

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

Fitting Series

70*

79

* series 70 only for size -8

Part Number	Hose I.D.				Hose O.D. 	Pressure Rating				min. bend radius 	weight
	DN	Inch	Size	mm		mm	MPa	psi	MPa	psi	
F42-8	12	1/2	-8	12.7	25.0	42.0	6000	168.0	24000	200	0.83
F42-12	20	3/4	-12	19.1	31.9	42.0	6000	168.0	24000	265	1.53
F42-16	25	1	-16	25.4	38.5	42.0	6000	168.0	24000	330	2.08
F42-20	32	1-1/4	-20	31.8	50	42.0	6000	168.0	24000	445	3.96

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

H29

ParLock Multispiral

Exceeds ISO 3862 Type 4SH –
DIN EN 856 Type 4SH

Primary Applications

General high pressure hydraulic applications

Type Approvals

Details please find on pages **Ab-14** and **Ab-15**

Applicable Specifications

Exceeds ISO 3862 Type 4SH – DIN EN 856 Type 4SH

Construction

Tube: Synthetic rubber

Reinforcement: Four spirals of high-tensile steel wire

Cover: Synthetic rubber

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

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



- Interlock technology
- Reinforcement of four high tensile steel wires

Recommended Fluids

Petroleum and water-glycol based fluids, lubricating oils, air and water. For air above 1.7 MPa, the hose cover must be pin-pricked.

Consult the chemical compatibility section on pages **Ab-22** to **Ab-30** for more detailed information.

Fitting Series

Internal and external skiving



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		
H29-12	20	3/4	-12	19.1	32.2	43.0	6250	172.0	25000	280	1.7
H29-16	25	1	-16	25.4	38.7	40.0	5800	160.0	23200	340	2.2
H29-20	32	1 1/4	-20	31.8	45.5	35.0	5000	140.0	20000	460	2.6
H29-24	38	1 1/2	-24	38.1	53.5	31.0	4500	124.0	18000	560	3.4
H29-32	50	2	-32	50.8	68.1	28.0	4050	112.0	16200	700	4.8

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

H29RH

ParLock Multispiral

Fire-retardant cover – exceeds
ISO 3862 Type 4SH – DIN EN 856 Type 4SH



Primary Applications

General high pressure hydraulic applications

Type Approvals

Details please find on pages **Ab-14** and **Ab-15**

Applicable Specifications

Exceeds ISO 3862 Type 4SH – DIN EN 856 Type 4SH

Construction

Tube: Synthetic rubber

Reinforcement: Four spirals of high-tensile steel wire

Cover: Fire retardant synthetic rubber

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

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

- Interlock technology
- Reinforcement of four high tensile steel wires
- Fire-retardant cover
- German Standard: **DIN 5510-2**
- French Standard: **NF F16-101/102 I2/F3**
- British Standard: **BS 6853 - Table 4**

Recommended Fluids

Petroleum and water-glycol based fluids, lubricating oils, air and water. For air above 1.7 MPa, the hose cover must be pin-pricked.

Consult the chemical compatibility section on pages **Ab-22** to **Ab-30** for more detailed information.

Fitting Series

Internal and external skiving



Part Number	Hose I.D.				Hose O.D.	Pressure Rating				min. bend radius	weight
	DN	Inch	Size	mm		max. working pressure	MPa	psi	min. burst pressure	MPa	psi
H29RH-16	25	1	-16	25.4	38.7	40.0	5800	160.0	23200	340	2.2
H29RH-20	32	1 1/4	-20	31.8	45.5	35.0	5000	140.0	20000	460	2.6
H29RH-24	38	1 1/2	-24	38.1	53.5	31.0	4500	124.0	18000	560	3.4

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

H29TC

ParLock Multispiral

Exceeds ISO 3862 Type 4SH –
DIN EN 856 Type 4SH



- Interlock technology
- Reinforcement of four high tensile steel wires
- 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 high pressure hydraulic applications

Type Approvals

Details please find on pages **Ab-14** and **Ab-15**

Applicable Specifications

Exceeds ISO 3862 Type 4SH – DIN EN 856 Type 4SH

Construction

Tube: Synthetic rubber
Reinforcement: Four spirals of high-tensile steel wire
Cover: High abrasion resistance
MSHA approved synthetic rubber

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

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

Recommended Fluids

Petroleum and water-glycol based fluids, lubricating oils, air and water. For air above 1.7 MPa, the hose cover must be pin-pricked.

Consult the chemical compatibility section on pages **Ab-22** to **Ab-30** for more detailed information.

Fitting Series

Internal and external skiving



Part Number	Hose I.D.				Hose O.D.	Pressure Rating				min. bend radius	weight
	DN	Inch	Size	mm		MPa	psi	MPa	psi		
H29TC-12	20	3/4	-12	19.1	32.2	43.0	6250	172.0	25000	280	1.7
H29TC-16	25	1	-16	25.4	38.7	40.0	5800	160.0	23200	340	2.2
H29TC-20	32	1 1/4	-20	31.8	45.5	35.0	5000	140.0	20000	460	2.6
H29TC-24	38	1 1/2	-24	38.1	53.5	31.0	4500	124.0	18000	560	3.4
H29TC-32	50	2	-32	50.8	68.1	28.0	4050	112.0	16200	700	4.8

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.

H29ST

ParLock Multispiral

Exceeds ISO 3862 Type 4SH –
DIN EN 856 Type 4SH



- Interlock technology
- Extreme abrasion resistant **SUPER TOUGH** cover
- Reinforcement of four high tensile steel wires

Primary Applications

General high pressure hydraulic applications

Applicable Specifications

Exceeds ISO 3862 Type 4SH – DIN EN 856 Type 4SH

Construction

Tube: Synthetic rubber

Reinforcement: Four spirals of high-tensile steel wire

Cover: Synthetic rubber with
special polyethylene coating

Recommended Fluids

Petroleum and water-glycol based fluids, lubricating oils, air and water. For air above 1.7 MPa, the hose cover must be pin-pricked.

Consult the chemical compatibility section on pages **Ab-22** to **Ab-30** for more detailed information.

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

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

Fitting Series

Internal and external skiving



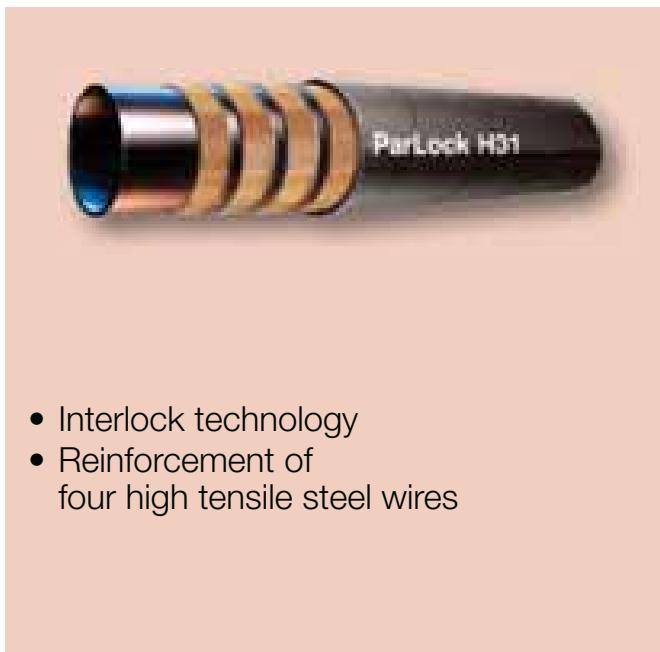
Part Number	Hose I.D.				Hose O.D. 	Pressure Rating				min. bend radius 	weight
	DN	Inch	Size	mm		max. working pressure 	MPa	psi	min. burst pressure 	MPa	psi
H29ST-12	20	3/4	-12	19.1	32.2	43.0	6250	172.0	25000	280	1.7
H29ST-16	25	1	-16	25.4	38.7	40.0	5800	160.0	23200	340	2.2
H29ST-20	32	1 1/4	-20	31.8	45.5	35.0	5000	140.0	20000	460	2.6
H29ST-24	38	1 1/2	-24	38.1	53.5	31.0	4500	124.0	18000	560	3.4
H29ST-32	50	2	-32	50.8	68.1	28.0	4050	112.0	16200	700	4.8

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

H31

ParLock Multispiral

Exceeds ISO 3862 Type 4SP –
DIN EN 856 Type 4SP



Primary Applications

General high pressure hydraulic applications

Type Approvals

Details please find on pages **Ab-14** and **Ab-15**

Applicable Specifications

Exceeds ISO 3862 Type 4SP – DIN EN 856 Type 4SP

Construction

Tube: Synthetic rubber

Reinforcement: Four spirals of high-tensile steel wire

Cover: Synthetic rubber

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

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

- Interlock technology
- Reinforcement of four high tensile steel wires

Recommended Fluids

Petroleum and water-glycol based fluids, lubricating oils, air and water. For air above 1.7 MPa, the hose cover must be pin-pricked.

Consult the chemical compatibility section on pages **Ab-22** to **Ab-30** for more detailed information.



Fitting Series

External skiving (size -4 up to -8)

Internal and external skiving (size -10 up to -16)

Part Number	Hose I.D.				Hose O.D.	Pressure Rating				min. bend radius	weight
	DN	Inch	Size	mm		max. working pressure	MPa	psi	min. burst pressure	MPa	kg
H31-4	6	1/4	-4	6.3	17.8	50.0	7250	200.0	29000	120	0.73
H31-6	10	3/8	-6	9.5	21.4	44.5	6450	178.0	25800	130	0.91
H31-8	12	1/2	-8	12.7	24.6	41.5	6000	166.0	24000	180	1.08
H31-10	16	5/8	-10	15.9	28.5	39.0	5650	156.0	22600	225	1.39
H31-12	20	3/4	-12	19.1	32.0	35.0	5000	140.0	20300	280	1.73
H31-16	25	1	-16	25.4	39.7	31.0	4500	124.0	18000	355	2.31

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

H31TC

ParLock Multispiral

Exceeds ISO 3862 Type 4SP –
DIN EN 856 Type 4SP



Primary Applications

General high pressure hydraulic applications

Type Approvals

Details please find on pages **Ab-14** and **Ab-15**

Applicable Specifications

Exceeds ISO 3862 Type 4SP – DIN EN 856 Type 4SP

Construction

Tube: Synthetic rubber

Reinforcement: Four spirals of high-tensile steel wire

Cover: High abrasion resistance

MSHA approved synthetic rubber

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

Exception: Air max. +70 °C

Water max. +85 °C

- Interlock technology
- Reinforcement of four high tensile steel wires
- 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 and water-glycol based fluids, lubricating oils, air and water. For air above 1.7 MPa, the hose cover must be pin-pricked.

Consult the chemical compatibility section on pages **Ab-22** to **Ab-30** for more detailed information.

Fitting Series

External skiving (size -4 up to -8)



Internal and external skiving (size -10 up to -16)

Part Number	Hose I.D.				Hose O.D. 	Pressure Rating				min. bend radius 	weight
	DN	Inch	Size	mm		max. working pressure 	MPa	psi	min. burst pressure 	MPa	psi
H31TC-4	6	1/4	-4	6.3	17.8	50.0	7250	200.0	29000	120	0.73
H31TC-6	10	3/8	-6	9.5	21.4	44.5	6450	178.0	25800	130	0.91
H31TC-8	12	1/2	-8	12.7	24.6	41.5	6000	166.0	24000	180	1.08
H31TC-10	16	5/8	-10	15.9	28.5	39.0	5650	156.0	22600	225	1.39
H31TC-12	20	3/4	-12	19.1	32.0	35.0	5000	140.0	20300	280	1.73
H31TC-16	25	1	-16	25.4	39.7	31.0	4500	124.0	18000	355	2.31

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.

H31ST

ParLock Multispiral

Exceeds ISO 3862 Type 4SP –
DIN EN 856 Type 4SP



- Interlock technology
- Extreme abrasion resistant **SUPER TOUGH** cover
- Reinforcement of four high tensile steel wires

Primary Applications

General high pressure hydraulic applications

Applicable Specifications

Exceeds ISO 3862 Type 4SP – DIN EN 856 Type 4SP

Construction

Tube: Synthetic rubber
Reinforcement: Four spirals of high-tensile steel wire
Cover: Synthetic rubber with
special polyethylene coating

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

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

Recommended Fluids

Petroleum and water-glycol based fluids, lubricating oils, air and water. For air above 1.7 MPa, the hose cover must be pin-pricked.

Consult the chemical compatibility section on pages **Ab-22** to **Ab-30** for more detailed information.

Fitting Series

External skiving (size -4 up to -8)



Internal and external skiving (size -10 up to -16)



Part Number	Hose I.D.				Hose O.D.	Pressure Rating				min. bend radius	weight
	DN	Inch	Size	mm		MPa	psi	MPa	psi		
H31ST-4	6	1/4	-4	6.3	17.8	50.0	7250	200.0	29000	120	0.73
H31ST-6	10	3/8	-6	9.5	21.4	44.5	6450	178.0	25800	130	0.91
H31ST-8	12	1/2	-8	12.7	24.6	41.5	6000	166.0	24000	180	1.08
H31ST-10	16	5/8	-10	15.9	28.5	39.0	5650	156.0	22600	225	1.39
H31ST-12	20	3/4	-12	19.1	32.0	35.0	5000	140.0	20300	280	1.73
H31ST-16	25	1	-16	25.4	39.7	31.0	4500	124.0	18000	355	2.31

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

R35

ParLock Multispiral

Exceeds ISO 3862 Type R13 –
Parker Specifications



Primary Applications

General high pressure hydraulic applications

- Interlock technology
- Reinforcement of four or six high tensile steel wires
- Constant working pressure of 35.0 MPa

Applicable Specifications

Exceeds ISO 3862 Type R13 – Parker Specifications

Construction

Tube: Synthetic rubber

Reinforcement: Four or six spirals of high-tensile steel wire

Cover: Synthetic rubber

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

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

Recommended Fluids

Petroleum and water-glycol based fluids, lubricating oils, air and water. For air above 1.7 MPa, the hose cover must be pin-pricked.

Consult the chemical compatibility section on pages **Ab-22** to **Ab-30** for more detailed information.

Fitting Series

Internal and external skiving (size -12, -16, -20)

V4

Internal and external skiving (size -24, -32)

V6

Part Number	Hose I.D.				Hose O.D. 	Pressure Rating				min. bend radius 	weight
	DN	Inch	Size	mm		max. working pressure 	MPa	psi	min. burst pressure 	MPa	psi
R35-12	20	3/4	-12	19.1	32.00	35.0	5 000	140.0	20 000	220	1.5
R35-16	25	1	-16	25.4	39.35	35.0	5 000	140.0	20 000	280	2.2
R35-20	32	1-1/4	-20	31.8	45.50	35.0	5 000	140.0	20 000	380	2.6
R35-24	40	1-1/2	-24	38.1	57.30	35.0	5 000	140.0	20 000	480	4.8
R35-32	50	2	-32	50.8	71.10	35.0	5 000	140.0	20 000	600	6.7

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

R35TC

ParLock Multispiral

Exceeds ISO 3862 Type R13 –
Parker Specifications



- Interlock technology
- Reinforcement of four or six high tensile steel wires
- Constant working pressure of 35.0 MPa
- Highly abrasion resistant **TOUGH COVER**
- MSHA approved
- Hose is suitable for temporary immersion in mineral oil up to 70 °C with frequent inspections

Primary Applications

General high pressure hydraulic applications

Type Approvals

Details please find on pages **Ab-14** and **Ab-15**

Applicable Specifications

Exceeds ISO 3862 Type R13 – Parker Specifications

Construction

Tube: Synthetic rubber

Reinforcement: Four or six spirals of high-tensile steel wire

Cover: High 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

Petroleum and water-glycol based fluids, lubricating oils, air and water. For air above 1.7 MPa, the hose cover must be pin-pricked.

Consult the chemical compatibility section on pages **Ab-22** to **Ab-30** for more detailed information.

Fitting Series

Internal and external skiving (size -12, -16, -20)



Internal and external skiving (size -24, -32)



Part Number	Hose I.D.				Hose O.D. mm	Pressure Rating				min. bend radius mm	weight kg
	DN	Inch	Size	mm		MPa	psi	MPa	psi		
R35TC-12	20	3/4	-12	19.1	32.00	35.0	5000	140.0	20000	220	1.5
R35TC-16	25	1	-16	25.4	39.35	35.0	5000	140.0	20000	280	2.2
R35TC-20	32	1-1/4	-20	31.8	45.50	35.0	5000	140.0	20000	380	2.6
R35TC-24	40	1-1/2	-24	38.1	57.30	35.0	5000	140.0	20000	480	4.8
R35TC-32	50	2	-32	50.8	71.10	35.0	5000	140.0	20000	600	6.7

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.

R42

ParLock Multispiral

Exceeds ISO 3862 Type R15 –
Parker Specifications



Primary Applications

General high pressure hydraulic applications

Type Approvals

Details please find on pages **Ab-14** and **Ab-15**

Applicable Specifications

Exceeds ISO 3862 Type R15 – Parker Specifications

Construction

Tube: Synthetic rubber

Reinforcement: Four or six spirals of high-tensile steel wire

Cover: Synthetic rubber

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

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

- Interlock technology
- Reinforcement of four or six high tensile steel wires
- Constant working pressure of 42.0 MPa

Recommended Fluids

Petroleum and water-glycol based fluids, lubricating oils, air and water. For air above 1.7 MPa, the hose cover must be pin-pricked.

Consult the chemical compatibility section on pages **Ab-22** to **Ab-30** for more detailed information.

Fitting Series

Internal and external skiving (size -10, -12, -16)

V4

Internal and external skiving (size -20, -24, -32)

V6

Part Number	Hose I.D.				Hose O.D. 	Pressure Rating				min. bend radius 	weight
	DN	Inch	Size	mm		max. working pressure 	MPa	psi	min. burst pressure 	MPa	psi
R42-10	16	5/8	-10	15.9	28.50	42.0	6 000	168.0	24 000	225	1.39
R42-12	20	3/4	-12	19.1	32.00	42.0	6 000	168.0	24 000	280	1.70
R42-16	25	1	-16	25.4	39.00	42.0	6 000	168.0	24 000	300	2.30
R42-20	32	1-1/4	-20	31.8	50.75	42.0	6 000	168.0	24 000	400	3.80
R42-24	40	1-1/2	-24	38.1	57.00	42.0	6 000	168.0	24 000	500	4.80
R42-32	50	2	-32	50.8	71.50	42.0	6 000	168.0	24 000	700	7.00

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

R42TC

ParLock Multispiral

Exceeds ISO 3862 Type R15 –
Parker Specifications



- Interlock technology
- Reinforcement of four or six high tensile steel wires
- Constant working pressure of 42.0 MPa
- Highly abrasion resistant **TOUGH COVER**
- MSHA approved
- Hose is suitable for temporary immersion in mineral oil up to 70 °C with frequent inspections

Primary Applications

General high pressure hydraulic applications

Type Approvals

Details please find on pages **Ab-14** and **Ab-15**

Applicable Specifications

Exceeds ISO 3862 Type R15 – Parker Specifications

Construction

Tube: Synthetic rubber

Reinforcement: Four or six spirals of high-tensile steel wire

Cover: High 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

Petroleum and water-glycol based fluids, lubricating oils, air and water. For air above 1.7 MPa, the hose cover must be pin-pricked.

Consult the chemical compatibility section on pages **Ab-22** to **Ab-30** for more detailed information.



Fitting Series

Internal and external skiving (size -10, -12, -16)

Internal and external skiving (size -20, -24, -32)

Part Number	Hose I.D.				Hose O.D.	Pressure Rating				min. bend radius	weight
	DN	Inch	Size	mm		max. working pressure	MPa	psi	min. burst pressure	MPa	kg
R42TC-10	16	5/8	-10	15.9	28.50	42.0	6 000	168.0	24 000	225	1.39
R42TC-12	20	3/4	-12	19.1	32.00	42.0	6 000	168.0	24 000	280	1.70
R42TC-16	25	1	-16	25.4	39.00	42.0	6 000	168.0	24 000	300	2.30
R42TC-20	32	1-1/4	-20	31.8	50.75	42.0	6 000	168.0	24 000	400	3.80
R42TC-24	40	1-1/2	-24	38.1	57.00	42.0	6 000	168.0	24 000	500	4.80
R42TC-32	50	2	-32	50.8	71.50	42.0	6 000	168.0	24 000	700	7.00

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.

R42ST

ParLock Multispiral

Exceeds ISO 3862 Type R15 –
Parker Specifications



Primary Applications

General high pressure hydraulic applications

- Interlock technology
- Extreme abrasion resistant
- **SUPER TOUGH** cover
- Reinforcement of four or six high tensile steel wires
- Constant working pressure of 42.0 MPa

Applicable Specifications

Exceeds ISO 3862 Type R15 – Parker Specifications

Construction

Tube: Synthetic rubber

Reinforcement: Four or six spirals of high-tensile steel wire

Cover: Synthetic rubber with
special polyethylene coating

Recommended Fluids

Petroleum and water-glycol based fluids, lubricating oils, air and water. For air above 1.7 MPa, the hose cover must be pin-pricked.

Consult the chemical compatibility section on pages **Ab-22** to **Ab-30** for more detailed information.

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

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

Fitting Series

Internal and external skiving (size -10, -12, -16)



Internal and external skiving (size -20, -24, -32)

Part Number	Hose I.D.				Hose O.D. 	Pressure Rating				min. bend radius 	weight
	DN	Inch	Size	mm		max. working pressure 	psi	min. burst pressure 	psi		
R42ST-10	16	5/8	-10	15.9	28.50	42.0	6 000	168.0	24 000	225	1.39
R42ST-12	20	3/4	-12	19.1	32.00	42.0	6 000	168.0	24 000	280	1.70
R42ST-16	25	1	-16	25.4	39.00	42.0	6 000	168.0	24 000	300	2.30
R42ST-20	32	1-1/4	-20	31.8	50.75	42.0	6 000	168.0	24 000	400	3.80
R42ST-24	40	1-1/2	-24	38.1	57.00	42.0	6 000	168.0	24 000	500	4.80
R42ST-32	50	2	-32	50.8	71.50	42.0	6 000	168.0	24 000	700	7.00

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

R50TC

ParLock Multispiral

Exceeds ISO 3862 Type R15 –
Parker Specifications



- Interlock technology
- Reinforcement of four or six high tensile steel wires
- Constant working pressure of 50.0 MPa
- Highly abrasion resistant **TOUGH COVER**
- MSHA approved
- Hose is suitable for temporary immersion in mineral oil up to 70 °C with frequent inspections

Primary Applications

Mobile hydraulic equipment and agricultural machines with typically large constructions.

Type Approvals

Details please find on pages **Ab-14** and **Ab-15**

Applicable Specifications

Exceeds ISO 3862 Type R15, Parker Specifications

Construction

Tube: Synthetic rubber

Reinforcement: Four or six spirals of high-tensile steel wire

Cover: High abrasion resistance

MSHA approved synthetic rubber

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

Exception: Air max. +70 °C

Water max. +85 °C

Recommended Fluids

Petroleum and water-glycol based fluids, lubricating oils, air and water. For air above 1.7 MPa, the hose cover must be pin-pricked.

Consult the chemical compatibility section on pages **Ab-22** to **Ab-30** for more detailed information.

Fitting Series

Internal and external skiving (size -10 and -12)



Internal and external skiving (size -16) on request

Part Number	Hose I.D.				Hose O.D.	Pressure Rating						min. bend radius	weight
	DN	Inch	Size	mm		MPa	psi	MPa	psi	mm	kg		
R50TC-10	16	5/8	-10	15.9	28.50	50.0	7250	200.0	29000	225	1.48		
R50TC-12	20	3/4	-12	19.1	32.00	50.0	7250	200.0	29000	270	1.85		
R50TC-16-SP6	25	1	-16	25.4	39.00	50.0	7250	200.0	29000	330	3.5		

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.

