Hydraulic Hoses and Fittings

Medium Pressure

Parker

ENGINEERING YOUR SUCCESS.

GLOBALCORE™

The world's first high-performance, cohesive hose and fitting system

187 / 187TC / 187ST *No-Skive* GlobalCore

Meeting the demands of complex hydraulic systems and high pressure return lines

Primary Applications

Parker's GlobalCore 187 hose provides 7 MPa (1,000 psi) constant working pressure in all sizes. Available in a variety of cover options so you can match the right cover to your application, 187 hose offers you the choice of Standard, ToughCover and SuperTough. Designed, built and tested to the ISO 18752 performance specification, Parker's 187 hose is unmatched in today's marketplace.

For high pressure return line applications in all markets.

387 / 387TC / 387ST *No-Skive* GlobalCore

Delivering value and performance for high-pressure systems

Primary Applications

Parker's GlobalCore 387 hose provides 21 MPa (3,000 psi) constant working pressure in all sizes. Available in a variety of cover options so you can match the right cover to your application, 387 hose offers you the choice of Standard, ToughCover and SuperTough. Designed, built and tested to the ISO 18752 performance specification, Parker's 387 hose is unmatched in today's marketplace.

487 / 487TC / 487ST *No-Skive* GlobalCore

Highly flexible across all sizes

Primary Applications

Parker's GlobalCore 487 hose provides 28 MPa (4,000 psi) constant working pressure in all sizes. Designed for high performance, 487 is available in a variety of cover options, including Standard, ToughCover and SuperTough. Its synthetic rubber inner tube provides a wider range of fluid compatibility. Rated to the ISO 18752 performance specification, 487 will excel in multiple applications around the world.

www.parker.com/globalcore

GlobalCore significantly reduces system complexity

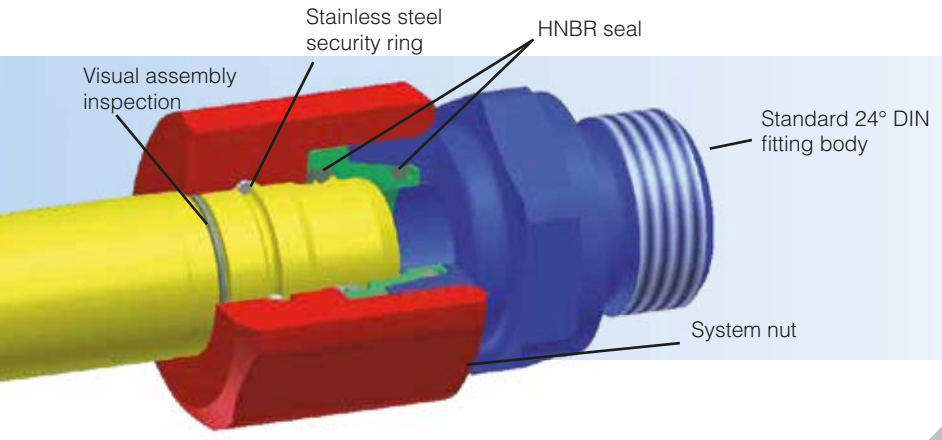
- 7 MPa (1,000 psi) constant working pressure
- Exceeds ISO 18752 performance specification (AS)
- Synthetic rubber inner tube provides a wider range of fluid compatibility
- TC cover provides 80 times the abrasion resistance compared to Standard rubber cover hoses
- ST cover provides 450 times the abrasion resistance compared to Standard rubber cover hoses

- ½ ISO 18752 minimum bend radius
- Low force to flex for ease of installation
- 21 MPa (3,000 psi) constant working pressure in all sizes
- Exceeds ISO 18752 performance specification (AC, BC and CC)
- Synthetic rubber inner tube provides a wider range of fluid compatibility
- TC cover provides 80 times the abrasion resistance compared to Standard rubber cover hose
- ST cover provides 450 times the abrasion resistance compared to Standard rubber cover hose

- ½ ISO 18752 minimum bend radius
- Low force to flex for ease of installation
- 28 MPa (4,000 psi) constant working pressure in all sizes
- Exceeds ISO 18752 performance specification (AC, BC & CC)
- TC cover provides 80 times the abrasion resistance compared to Standard rubber cover hose
- ST cover provides 450 times the abrasion resistance compared to Standard rubber cover hose

Universal Push-to-Connect (UPTC)

The unique push-in system for tubes and hoses

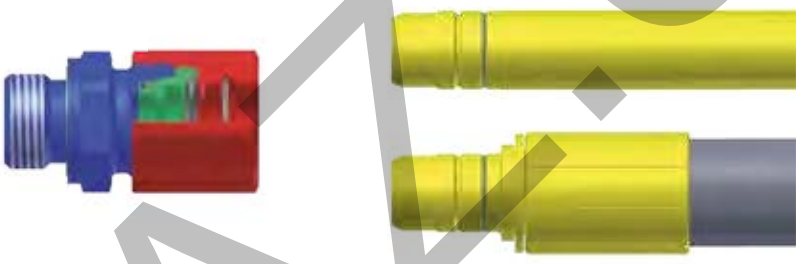


As a standard solution it's a stroke of genius

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

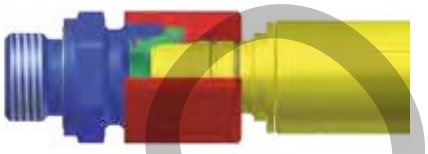
In use with tube and hose

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



Assembly

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



Assembled connector

Simple

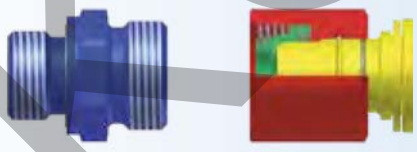
- Visual assembly inspection
- Marker inside the nut = unambiguous assembly results

Safe

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

Leak-proof

- Elastomeric seal
- 100 % leak-proof

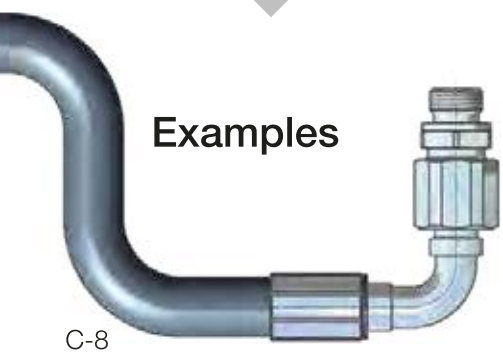


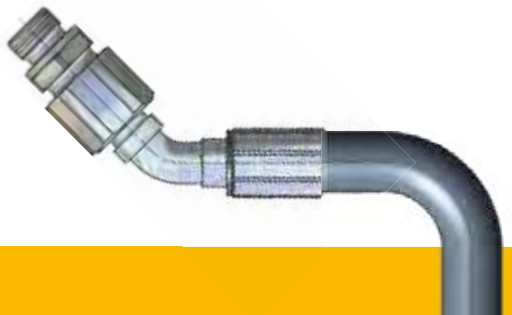
Disassembly

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

- Repair-friendly
- No special tools required

Examples





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

Medium Pressure GLOBALCORE™

Standard

187
Caa-1

No-Skive **GlobalCore**
Exceeds ISO 18752-AS

387
Caa-4

No-Skive **GlobalCore**
Sizes -4 to -16 exceed ISO 18752-AC
Sizes -20 to -32 exceed ISO 18752-BC

487
Caa-7

No-Skive **GlobalCore**
Sizes -4 to -12 exceed ISO 18752-AC
Sizes -16 to -32 exceed ISO 18752-BC

High abrasion resistance

187TC
Caa-2

No-Skive **GlobalCore Tough Cover**
Exceeds ISO 18752-AS

387TC
Caa-5

No-Skive **GlobalCore Tough Cover**
Sizes -4 to -16 exceed ISO 18752-AC
Sizes -20 to -32 exceed ISO 18752-CC

487TC
Caa-8

No-Skive **GlobalCore Tough Cover**
Sizes -4 to -12 exceed ISO 18752-AC
Sizes -16 to -32 exceed ISO 18752-CC

Extreme abrasion resistance

187ST
Caa-3

No-Skive **GlobalCore Super Tough**
Exceeds ISO 18752-AS

387ST
Caa-6

No-Skive **GlobalCore Super Tough**
Sizes -4 to -16 exceed ISO 18752-AC
Sizes -20 to -32 exceed ISO 18752-CC

487ST
Caa-9

No-Skive **GlobalCore Super Tough**
Sizes -4 to -12 exceed ISO 18752-AC
Sizes -16 to -32 exceed ISO 18752-CC

187

No-Skive GlobalCore

Exceeds ISO 18752-AS

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

Primary Applications

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

Applicable Specifications

ISO 18752-AS

Construction

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

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

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

Recommended Fluids

Hydraulic fluids on a mineral-oil basis, water-glycol and lubricating oils, air and water. For air and gas applications with a pressure exceeding 1.7 MPa, the cover must be pin-pricked. Consult the chemical compatibility section on pages ***Ab-26*** to ***Ab-34*** for more detailed information.

Fitting Series

Series 43/48 for sizes -8 to -32

Series 48 2piece for sizes -40 to -48

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

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

Hose layline example

187TC

No-Skive GlobalCore Tough Cover

Exceeds ISO 18752-AS

- GlobalCore - *No-Skive*
- Synthetic rubber inner tube provides a wider range of fluid compatibility
- 7 MPa constant working pressure
- Highly abrasion resistant TOUGH COVER
- MSHA approved
- Hose is suitable for temporary immersion in mineral oil up to 70 °C with frequent inspections

Primary Applications

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

Applicable Specifications

ISO 18752-AS

Construction

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

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

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

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

Recommended Fluids

Hydraulic fluids on a mineral-oil basis, water-glycol and lubricating oils, air and water. For air and gas applications with a pressure exceeding 1.7 MPa, the cover must be pin-pricked. Consult the chemical compatibility section on pages ***Ab-26*** to ***Ab-34*** for more detailed information.

Fitting Series

Series 43/48 for sizes -8 to -32

Series 48 2piece for sizes -40 to -48

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

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

Hose layline example

187ST

No-Skive GlobalCore Super Tough

Exceeds ISO 18752-AS

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

Primary Applications

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

Applicable Specifications

ISO 18752-AS

Construction

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

Temperature Range

..... -40 °C up to +125 °C
For -40 & -48 sizes -40 °C up to +100 °C
Exception: Air ..... max. +70 °C
Water ..... max. +85 °C

Recommended Fluids

Hydraulic fluids on a mineral-oil basis, water-glycol and lubricating oils, air and water. For air and gas applications with a pressure exceeding 1.7 MPa, the cover must be pin-pricked. Consult the chemical compatibility section on pages ***Ab-26*** to ***Ab-34*** for more detailed information.

Fitting Series

Series 43/48 for sizes -8 to -32

Series 48 2piece for sizes -40 to -48

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

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

Hose layline example

387

No-Skive GlobalCore

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

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

Primary Applications

General medium pressure hydraulic applications

Applicable Specifications

Exceed ISO 18752-AC and ISO 18752-BC

Construction

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

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

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

Recommended Fluids

Hydraulic fluids on a mineral-oil basis, water-glycol and lubricating oils, air and water. For air and gas applications with a pressure exceeding 1.7 MPa, the cover must be pin-pricked. Consult the chemical compatibility section on pages ***Ab-26*** to ***Ab-34*** for more detailed information.

Fitting Series

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

Series 43/77 for size -20 

Series 77 for sizes -24 up to -32 

Part Number	Hose I.D.				Hose O.D.	Pressure Rating: max. working pressure		Pressure Rating: min. burst pressure		min. bend radius	weight
	DN	Inch	Size	mm	mm	MPa	psi	MPa	psi	mm	kg
387-4	6	1/4	-4	6.4	13.4	21.0	3000	84.0	12000	50	0.24
387-6	10	3/8	-6	9.5	17.4	21.0	3000	84.0	12000	65	0.34
387-8	12	1/2	-8	12.7	20.7	21.0	3000	84.0	12000	90	0.43
387-10	16	5/8	-10	15.9	23.9	21.0	3000	84.0	12000	100	0.49
387-12	19	3/4	-12	19.1	27.8	21.0	3000	84.0	12000	120	0.86
387-16	25	1	-16	25.4	35.4	21.0	3000	84.0	12000	150	1.17
387-20	31	1 1/4	-20	31.8	46.3	21.0	3000	84.0	12000	210	2.59
387-24	38	1 1/2	-24	38.1	52.8	21.0	3000	84.0	12000	250	2.99
387-32	51	2	-32	50.8	66.2	21.0	3000	84.0	12000	320	4.09

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

Hose layline example

387TC

No-Skive GlobalCore Tough Cover

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

- GlobalCore - *No-Skive*
- ½ ISO 18752 minimum bend radius
- Low force to flex for ease of installation
- 21 MPa constant working pressure
- Highly abrasion resistant TOUGH COVER
- MSHA approved
- Hose is suitable for temporary immersion in mineral oil up to 70 °C with frequent inspections

Primary Applications

General medium pressure hydraulic applications

Applicable Specifications

Exceed ISO 18752-AC and ISO 18752-CC

Construction

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

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

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

Recommended Fluids

Hydraulic fluids on a mineral-oil basis, water-glycol and lubricating oils, air and water. For air and gas applications with a pressure exceeding 1.7 MPa, the cover must be pin-pricked. Consult the chemical compatibility section on pages ***Ab-26*** to ***Ab-34*** for more detailed information.

Fitting Series

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

Series 43/77 for size -20

Series 77 for sizes -24 up to -32

Part Number	Hose I.D.				Hose O.D.	Pressure Rating: max. working pressure		Pressure Rating: min. burst pressure		min. bend radius	weight
	DN	Inch	Size	mm	mm	MPa	psi	MPa	psi	mm	kg
387TC-4	6	1/4	-4	6.4	13.4	21.0	3000	84.0	12000	50	0.24
387TC-6	10	3/8	-6	9.5	17.4	21.0	3000	84.0	12000	65	0.34
387TC-8	12	1/2	-8	12.7	20.7	21.0	3000	84.0	12000	90	0.43
387TC-10	16	5/8	-10	15.9	23.9	21.0	3000	84.0	12000	100	0.49
387TC-12	19	3/4	-12	19.1	27.8	21.0	3000	84.0	12000	120	0.86
387TC-16	25	1	-16	25.4	35.4	21.0	3000	84.0	12000	150	1.17
387TC-20	31	1 1/4	-20	31.8	46.3	21.0	3000	84.0	12000	210	2.59
387TC-24	38	1 1/2	-24	38.1	52.8	21.0	3000	84.0	12000	250	2.99
387TC-32	51	2	-32	50.8	66.2	21.0	3000	84.0	12000	320	4.09

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

Hose layline example

387ST

No-Skive GlobalCore Super Tough

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

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

Primary Applications

Medium pressure hydraulic applications with extremely high abrasion risks

Applicable Specifications

Exceed ISO 18752-AC and ISO 18752-CC

Construction

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

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

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

Recommended Fluids

Hydraulic fluids on a mineral-oil basis, water-glycol and lubricating oils, air and water. For air and gas applications with a pressure exceeding 1.7 MPa, the cover must be pin-pricked. Consult the chemical compatibility section on pages ***Ab-26*** to ***Ab-34*** for more detailed information.

Fitting Series

Series 43/48 for sizes -4 up to -16 — 43 — 48
Series 43/77 for size -20 — 43 — 77
Series 77 for sizes -24 up to -32 — 77

Part Number	Hose I.D.				Hose O.D.	Pressure Rating				min. bend radius	weight
						max. working pressure		min. burst pressure			
	DN	Inch	Size	mm	mm	MPa	psi	MPa	psi	mm	kg
387ST-4	6	1/4	-4	6.4	13.4	21.0	3000	84.0	12000	50	0.24
387ST-6	10	3/8	-6	9.5	17.4	21.0	3000	84.0	12000	65	0.34
387ST-8	12	1/2	-8	12.7	20.7	21.0	3000	84.0	12000	90	0.43
387ST-10	16	5/8	-10	15.9	23.9	21.0	3000	84.0	12000	100	0.49
387ST-12	19	3/4	-12	19.1	27.8	21.0	3000	84.0	12000	120	0.86
387ST-16	25	1	-16	25.4	35.4	21.0	3000	84.0	12000	150	1.17
387ST-20	31	1 1/4	-20	31.8	46.3	21.0	3000	84.0	12000	210	2.59
387ST-24	38	1 1/2	-24	38.1	52.8	21.0	3000	84.0	12000	250	2.99
387ST-32	51	2	-32	50.8	66.2	21.0	3000	84.0	12000	320	4.09

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

Hose layline example

487

No-Skive GlobalCore

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

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

Primary Applications

General medium pressure hydraulic applications

Applicable Specifications

Exceed ISO 18752-AC and ISO 18752-BC

Construction

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

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

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

Recommended Fluids

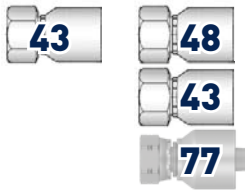
Hydraulic fluids on a mineral-oil basis, water-glycol and lubricating oils, air and water. For air and gas applications with a pressure exceeding 1.7 MPa, the cover must be pin-pricked. Consult the chemical compatibility section on pages ***Ab-26*** to ***Ab-34*** for more detailed information.

Fitting Series

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

Series 43 for size -16

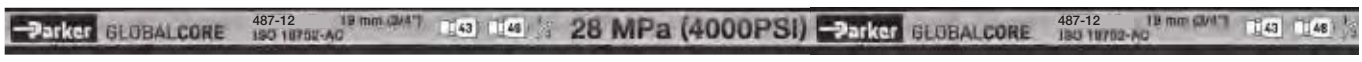
Series 77 for sizes -20 up to -32



Part Number	Hose I.D.				Hose O.D.	Pressure Rating				min. bend radius	weight
						max. working pressure		min. burst pressure			
	DN	Inch	Size	mm	mm	MPa	psi	MPa	psi	mm	kg
487-4	6	1/4	-4	6.4	13.1	28.0	4000	112.0	16000	50	0.30
487-6	10	3/8	-6	9.5	17.2	28.0	4000	112.0	16000	65	0.42
487-8	12	1/2	-8	12.7	20.4	28.0	4000	112.0	16000	90	0.52
487-10	16	5/8	-10	15.9	23.9	28.0	4000	112.0	16000	100	0.66
487-12	19	3/4	-12	19.1	27.8	28.0	4000	112.0	16000	120	0.86
487-16	25	1	-16	25.4	37.8	28.0	4000	112.0	16000	150	1.99
487-20	31	1 1/4	-20	31.8	46.3	28.0	4000	112.0	16000	210	2.59
487-24	38	1 1/2	-24	38.1	52.8	28.0	4000	112.0	16000	250	3.08
487-32	51	2	-32	50.8	67.3	28.0	4000	112.0	16000	320	6.47

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

Hose layline example



487TC

No-Skive GlobalCore Tough Cover

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

- GlobalCore - *No-Skive*
- ½ ISO 18752 minimum bend radius
- Low force to flex for ease of installation
- 28 MPa constant working pressure
- Highly abrasion resistant **TOUGH** COVER
- MSHA approved
- Hose is suitable for temporary immersion in mineral oil up to 70 °C with frequent inspections

Primary Applications

General medium pressure hydraulic applications

Applicable Specifications

Exceed ISO 18752-AC and ISO 18752-BC

Construction

Inner tube: Synthetic rubber

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

Cover: Highly abrasion resistance
MSHA approved synthetic rubber

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

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

Recommended Fluids

Hydraulic fluids on a mineral-oil basis, water-glycol and lubricating oils, air and water. For air and gas applications with a pressure exceeding 1.7 MPa, the cover must be pin-pricked. Consult the chemical compatibility section on pages ***Ab-26*** to ***Ab-34*** for more detailed information.

Fitting Series

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

Series 43 for size -16 

Series 77 for sizes -20 up to -32 

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

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

Hose layline example

487ST

No-Skive GlobalCore Super Tough

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

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

Primary Applications

Medium pressure hydraulic applications with extremely high abrasion risks

Applicable Specifications

Exceed ISO 18752-AC and ISO 18752-BC

Construction

Inner tube: Synthetic rubber

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

Cover: Synthetic rubber with a special polyethylene coating

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

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

Recommended Fluids

Hydraulic fluids on a mineral-oil basis, water-glycol and lubricating oils, air and water. For air and gas applications with a pressure exceeding 1.7 MPa, the cover must be pin-pricked. Consult the chemical compatibility section on pages ***Ab-26*** to ***Ab-34*** for more detailed information.

Fitting Series

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

Series 43 for size -16 

Series 77 for sizes -20 up to -32 

Part Number	Hose I.D.				Hose O.D.	Pressure Rating: max. working pressure		Pressure Rating: min. burst pressure		min. bend radius	weight
	DN	Inch	Size	mm	mm	MPa	psi	MPa	psi	mm	kg
487ST-4	6	1/4	-4	6.4	13.1	28.0	4000	112.0	16000	50	0.30
487ST-6	10	3/8	-6	9.5	17.2	28.0	4000	112.0	16000	65	0.42
487ST-8	12	1/2	-8	12.7	20.4	28.0	4000	112.0	16000	90	0.52
487ST-10	16	5/8	-10	15.9	23.9	28.0	4000	112.0	16000	100	0.66
487ST-12	19	3/4	-12	19.1	27.8	28.0	4000	112.0	16000	120	0.86
487ST-16	25	1	-16	25.4	37.8	28.0	4000	112.0	16000	150	1.99
487ST-20	31	1 1/4	-20	31.8	46.3	28.0	4000	112.0	16000	210	2.59
487ST-24	38	1 1/2	-24	38.1	52.8	28.0	4000	112.0	16000	250	3.08
487ST-32	51	2	-32	50.8	67.3	28.0	4000	112.0	16000	320	6.47

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

Hose layline example