

Medium Pressure GLOBALCORE™

Hoses				Page
	Best	187	GlobalCore	Caa-1
	Best	187TC	GlobalCore	Caa-2
	Best	187ST	GlobalCore	Caa-3
	Best	387	GlobalCore	Caa-4
	Best	387TC	GlobalCore	Caa-5
	Best	387ST	GlobalCore	Caa-6
	Best	487	GlobalCore	Caa-7
	Best	487TC	GlobalCore	Caa-8
	Best	487ST	GlobalCore	Caa-9

Fittings Series	43	46/48
Chapter	Cc	Cd
DIN – Metric	1 – 4	1 – 9
BSP	5 – 8	10 – 18
SAE	9 – 10	19 – 24
Flange	12 – 13	25 – 29
ORFS	14 – 15	30 – 35
JIS		36 – 37
Others		40
UPTC		41 – 42

Parker Hannifin assumes no liability for typographical errors or other errors

Standard

187 Caa-1  No-Skive GlobalCore Exceeds ISO 18752-AS	Best	387 Caa-4  No-Skive GlobalCore Sizes -4 to -16 exceed ISO 18752-AC Sizes -20 to -32 exceed ISO 18752-BC	Best	487 Caa-7  No-Skive GlobalCore Sizes -4 to -12 exceed ISO 18752-AC Sizes -16 to -32 exceed ISO 18752-BC	Best
--	-------------	---	-------------	--	-------------

High abrasion resistance

187TC Caa-2  No-Skive GlobalCore Tough Cover Exceeds ISO 18752-AS	Best	387TC Caa-5  No-Skive GlobalCore Tough Cover Sizes -4 to -16 exceed ISO 18752-AC Sizes -20 to -32 exceed ISO 18752-CC	Best	487TC Caa-8  No-Skive GlobalCore Tough Cover Sizes -4 to -12 exceed ISO 18752-AC Sizes -16 to -32 exceed ISO 18752-CC	Best
--	-------------	---	-------------	--	-------------

Extreme abrasion resistance

187ST Caa-3  No-Skive GlobalCore Super Tough Exceeds ISO 18752-AS	Best	387ST Caa-6  No-Skive GlobalCore Super Tough Sizes -4 to -16 exceed ISO 18752-AC Sizes -20 to -32 exceed ISO 18752-CC	Best	487ST Caa-9  No-Skive GlobalCore Super Tough Sizes -4 to -12 exceed ISO 18752-AC Sizes -16 to -32 exceed ISO 18752-CC	Best
--	-------------	---	-------------	--	-------------

187

No-Skive GlobalCore

Exceeds ISO 18752-AS

Primary Applications

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

Applicable Specifications

ISO 18752-AS

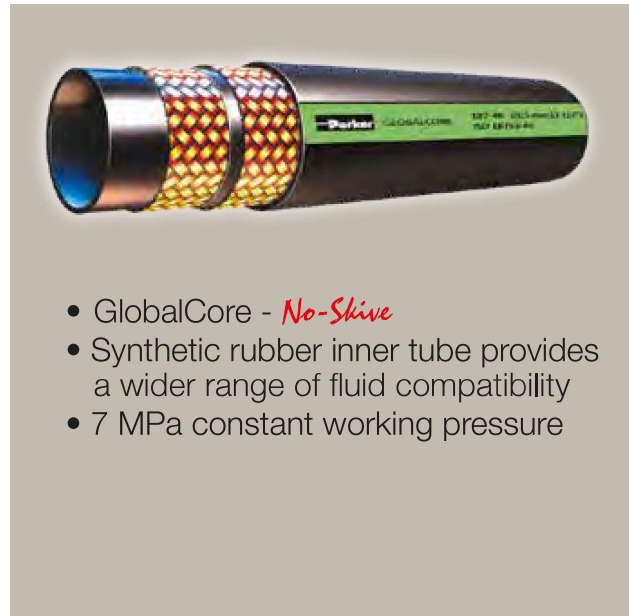
Construction

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

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

Exception: Air max. +70 °C

Water max. +85 °C



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

Recommended Fluids

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

Fitting Series

Series 43/48 for sizes -8 to -32



Series 48 2piece for sizes -40 to -48



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

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

Hose layline example



187TC

No-Skive GlobalCore Tough Cover

Exceeds ISO 18752-AS

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



- 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

Recommended Fluids

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

Fitting Series

Series 43/48 for sizes -8 to -32



Series 48 2piece for sizes -40 to -48



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

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

Hose layline example



187ST

No-Skive GlobalCore Super Tough

Exceeds ISO 18752-AS

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



- 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

Recommended Fluids

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

Fitting Series

Series 43/48 for sizes -8 to -32



Series 48 2piece for sizes -40 to -48

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

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

Hose layline example



387

No-Skive GlobalCore

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

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



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

Recommended Fluids

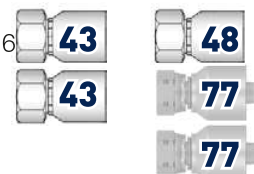
Hydraulic fluids on a mineral-oil basis, water-glycol and lubricating oils, air and water. For air and gas applications with a pressure exceeding 1.7 MPa, the cover must be pin-pricked. Consult the chemical compatibility section on pages **Ab-26** to **Ab-34** for more detailed information.

Fitting Series

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

Series 43/77 for size -20

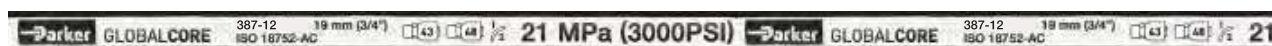
Series 77 for sizes -24 up to -32



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

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

Hose layline example



387TC

No-Skive GlobalCore Tough Cover

Sizes -4 to -16 exceed ISO 18752-AC

Sizes -20 to -32 exceed ISO 18752-CC

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



- 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

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				min. bend radius	weight
	DN	Inch	Size	mm	mm	max. working pressure		min. burst pressure			
						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

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



- 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

Recommended Fluids

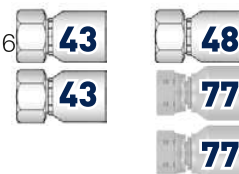
Hydraulic fluids on a mineral-oil basis, water-glycol and lubricating oils, air and water. For air and gas applications with a pressure exceeding 1.7 MPa, the cover must be pin-pricked. Consult the chemical compatibility section on pages **Ab-26** to **Ab-34** for more detailed information.

Fitting Series

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

Series 43/77 for size -20

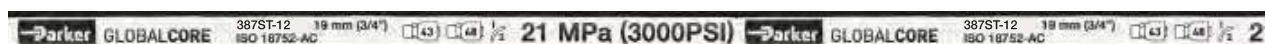
Series 77 for sizes -24 up to -32



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

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



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

Recommended Fluids

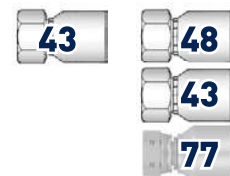
Hydraulic fluids on a mineral-oil basis, water-glycol and lubricating oils, air and water. For air and gas applications with a pressure exceeding 1.7 MPa, the cover must be pin-pricked. Consult the chemical compatibility section on pages **Ab-26** to **Ab-34** for more detailed information.

Fitting Series

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

Series 43 for size -16

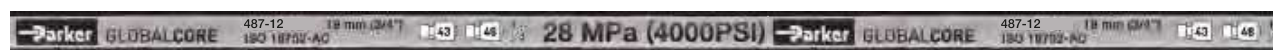
Series 77 for sizes -20 up to -32



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

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

Hose layline example



487TC

No-Skive GlobalCore Tough Cover

Sizes -4 to -12 exceed ISO 18752-AC

Sizes -16 to -32 exceed ISO 18752-CC

Primary Applications

General medium pressure hydraulic applications

Applicable Specifications

Exceed ISO 18752-AC and ISO 18752-BC

Construction

Inner tube: Synthetic rubber

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

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

Six-spiral wires for size -32)

Cover: Highly abrasion resistance

MSHA approved synthetic rubber

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

Exception: Air max. +70 °C

Water max. +85 °C



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

Recommended Fluids

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

Fitting Series

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

Series 43 for size -16

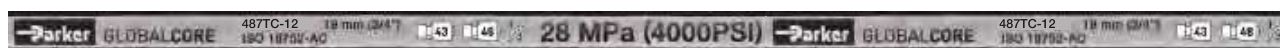
Series 77 for sizes -20 up to -32



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

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

Hose layline example



487ST

No-Skive GlobalCore Super Tough

Sizes -4 to -12 exceed ISO 18752-AC

Sizes -16 to -32 exceed ISO 18752-CC

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



- 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

Recommended Fluids

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

Fitting Series

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



Series 43 for size -16



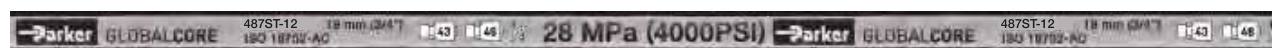
Series 77 for sizes -20 up to -32



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

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

Hose layline example



Medium Pressure

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

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

Parker Hannifin assumes no liability for typographical errors or other errors

Standard

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

High abrasion resistance

421TC Cab-10  <i>No-Skive</i> EN 853 1SN – ISO 1436 Type 1	462TC Better Cab-20  <i>Elite No-Skive Compact Tough Cover</i> Exceeds EN 857-2SC – ISO 11237 Type 2SC	471TC Cab-23  <i>No-Skive</i> EN 857 2SC – ISO 11237 Type 2SC	492TC Better Cab-29  <i>Elite No-Skive Compact Tough Cover</i> EN 857 1SC – ISO 11237 Type 1SC
--	--	--	--

Extreme abrasion resistance

462ST Better Cab-21  <i>Elite No-Skive Super Tough Compact</i> EN 857 2SC – ISO 11237 Type 2SC	492ST Better Cab-30  <i>Elite No-Skive Super Tough Compact</i> EN 857 1SC – ISO 11237 Type 1SC
--	--

Low / High temperature

HT2 Cab-3  <i>No-Skive Compact</i> Parker specification	426 Cab-12  <i>No-Skive</i> SAE 100R1AT high temperature	436 Cab-13  <i>No-Skive Compact</i> SAE 100R16 high temperature	461LT Better Cab-16  <i>Elite No-Skive Compact</i> EN 857 2SC low temperature
---	--	--	---

Phosphate Ester

304 Cab-5  <i>No-Skive</i> Phosphate ester resistant hose

Railway

421RH

Cab-8



No-Skive

Fire-retardant cover

441RH

Cab-15



No-Skive Compact

Fire-retardant cover

477RH

Cab-25



Elite No-Skive PowerLift

2 wire braided with fire-retardant cover

Water cleaning

463

Cab-22



No-Skive Compact

High pressure water cleaning applications

493

Cab-31



No-Skive Compact

High pressure water cleaning applications

Pilot

412

Cab-6



Better

Elite No-Skive RemoFlex

1 wire braided hose for pilot lines

412ST

Cab-7



Better

Elite No-Skive RemoFlex

1 wire braided hose for pilot lines

Wire cover

421WC

Cab-11



No-Skive

Galvanised steel wire cover

Powerlift

477

Cab-24



Better

Elite No-Skive PowerLift

2 wire braided

477TC

Cab-26



Better

Elite No-Skive PowerLift

Tough Cover
2 wire braided

477ST

Cab-27



Better

Elite No-Skive PowerLift

2 wire braided

Extremely flexible

692

Cab-32



No-Skive Compact

Constant pressure, tight bend radius

692Twin

Cab-33



No-Skive Compact

Twin constant pressure, tight bend radius

692TC

Cab-36



No-Skive Compact Tough Cover

Constant pressure, tight bend radius

Polyurethane Cover

462PU Cab-18  <i>No-Skive Compact</i> Polyurethane Cover	462PU Twin Cab-19  <i>No-Skive Compact</i> Twin Hose with Polyurethane Cover	692PU Cab-34  <i>No-Skive Compact</i> Polyurethane Cover	692PU Twin Cab-35  <i>No-Skive Compact</i> Twin Hose with Polyurethane Cover
--	--	---	--

Suction

811 Cab-37  <i>No-Skive</i> Suction and Return Line SAE 100R4	811S Cab-38  <i>No-Skive</i> Suction and Return Line Exceeds SAE 100R4	881 Cab-39  <i>No-Skive</i> Suction and Return Line SAE 100R4
---	--	--

304

No-Skive

Phosphate ester resistant hose

Primary Applications

Aerospace, foundries, steel mills:

Medium pressure hydraulic applications with phosphate ester fluids

Applicable Specifications

Parker Specification

Restrictions

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

Construction

Inner tube: EPDM synthetic rubber

Reinforcement: Two high-tensile steel wire braids

Cover: EPDM synthetic rubber green,
phosphate ester and weather resistant

Temperature Range -40 °C up to +80 °C

Exception: Air max. +70 °C

Water, water glycol fluids .. max. +85 °C



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

Recommended Fluids

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

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

Fitting Series

Series 43 for sizes -4 up to -32

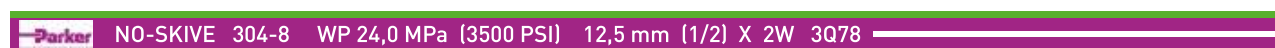
Series 48 for sizes -20 up to -32



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

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

Hose layline example



421WC*No-Skive*

Galvanised steel wire cover



Primary Applications

Machine tool and glass industry

Applicable Specifications

SAE 100 R1AT

Construction

Inner tube: Synthetic rubber

Reinforcement: One high-tensile steel wire braid

Cover: Galvanized steel wire

Recommended Fluids

Hydraulic fluids on a mineral-oil basis, water-glycol and lubricating oils, air and water.

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

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

Exception: Air max. +70 °C

Water max. +85 °C

Fitting Series



Part Number	Hose I.D.				Hose O.D. mm	Pressure Rating				min. bend radius mm	weight kg
	DN	Inch	Size	mm		max. working pressure MPa	psi	min. burst pressure MPa	psi		
421WC-4	6	1/4	-4	6.4	15.0	19.0	2750	76.0	11000	100	0.38
421WC-6	10	3/8	-6	9.5	19.0	15.5	2250	62.0	9000	130	0.54
421WC-8	12	1/2	-8	12.7	22.0	13.8	2000	55.0	8000	180	0.67
421WC-12	19	3/4	-12	19.1	29.0	8.6	1250	35.0	5075	240	0.95
421WC-16	25	1	-16	25.4	37.0	6.9	1000	28.0	4000	300	1.31

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

426

No-Skive

SAE 100R1AT high temperature

Primary Applications

Medium pressure hydraulic applications at high temperature

Type Approvals

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

Applicable Specifications

SAE 100 R1AT

Construction

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

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

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



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

Recommended Fluids

Hydraulic fluids on a mineral-oil basis, water-glycol and lubricating oils, air and water.

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

Fitting Series

Series 43 for sizes -4 up to -6

Series 48 for sizes -8 up to -32



Part Number	Hose I.D.				Hose O.D. mm	Pressure Rating				min. bend radius mm	weight kg
	DN	Inch	Size	mm		max. working pressure MPa	psi	min. burst pressure MPa	psi		
426-4-RL	6	1/4	-4	6.4	13.4	19.2	2750	77.0	11000	100	0.24
426-6-RL	10	3/8	-6	9.5	17.4	15.7	2250	63.0	9000	125	0.34
426-8-RL	12	1/2	-8	12.7	20.7	14.0	2000	56.0	8000	180	0.43
426-10-RL	16	5/8	-10	15.9	23.9	10.5	1500	42.0	6000	200	0.49
426-12-RL	19	3/4	-12	19.1	27.8	8.7	1250	35.0	5075	240	0.65
426-16-RL	25	1	-16	25.4	35.8	7.0	1000	28.0	4000	300	0.98
426-20	31	1 1/4	-20	31.8	45.0	4.3	625	17.2	2500	420	1.40
426-24	38	1 1/2	-24	38.1	51.0	3.5	500	14.0	2000	500	1.46
426-32	51	2	-32	50.8	64.0	2.6	375	10.4	1500	630	2.18

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

Hose layline example

	NO-SKIVE 426-8 WP 14,0 MPa (2000 PSI) MSHA XXXX SAE 100R1AT-8 HI-TEMP 12,5 mm (1/2) 1Q03
--	--

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-16** to **Ab-19**

Construction

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

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

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



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

Recommended Fluids

Hydraulic fluids on a mineral-oil basis, water-glycol and lubricating oils, air and water.
Consult the chemical compatibility section on pages **Ab-26** to **Ab-34** for more detailed information.

Fitting Series

Series 43 for sizes -12, -16

Series 48 for sizes -20 up to -32

For size -40 fittings series on request



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

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

Hose layline example

PARKER 881-12 SUCTION HOSE MSHA XXXX SAE 100R4-12 19 mm (3/4) 3Q78 PARKER

722
No-Skive GlobalCore
Exceeds ISO 18752-BC



- *No-Skive* hose construction
- ½ ISO 18752 minimum bend radius
- 28 MPa constant working pressure
- Exceeds ISO 18752 BC performance specification
- 4-spiral construction for longer life in high-impulse, heavy-duty cycle applications

Primary Applications
General high pressure hydraulic applications

Applicable Specifications
Exceed ISO 18752-BC

Construction
Inner tube: Synthetic rubber
Reinforcement: Four spiral 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
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 you'll find in the Medium Pressure chapter Cb

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		
722-6	10	3/8	-6	9.5	19.9	28.0	4000	112.0	16000	65	0.60
722-8	12	1/2	-8	12.7	22.7	28.0	4000	112.0	16000	90	0.80
722-10	16	5/8	-10	15.9	26.4	28.0	4000	112.0	16000	100	1.10
722-12	19	3/4	-12	19.1	30.7	28.0	4000	112.0	16000	120	1.40
722-16	25	1	-16	25.4	37.8	28.0	4000	112.0	16000	150	1.99

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

Hose layline example



722TC

No-Skive GlobalCore Tough Cover

Exceeds ISO 18752-BC

Primary Applications

General high pressure hydraulic applications

Type Approvals

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

Applicable Specifications

SAE 100R12 – EN 856 Type R12 –

ISO 3862 Type R12

Construction

Inner tube: Nitrile (NBR)

Reinforcement: Four spiral high-tensile steel wire

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



- **No-Skive** hose construction
– Compact design
- 1/2 the bend radius of SAE 100R12
- Constant working pressure of 28.0 MPa
- Exceeds ISO 18752 BC performance specification
- Highly abrasion resistant **TOUGH COVER**
- MSHA approved
- Hose is suitable for temporary immersion in mineral oil up to 70 °C with frequent inspections

Recommended Fluids

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

Fitting Series



Series 43 you'll find in the Medium Pressure chapter Cb

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		
722TC-6	10	3/8	-6	9.5	19.9	28.0	4000	112.0	16000	65	0.60
722TC-8	12	1/2	-8	12.7	22.7	28.0	4000	112.0	16000	90	0.80
722TC-10	16	5/8	-10	15.9	26.4	28.0	4000	112.0	16000	100	1.10
722TC-12	19	3/4	-12	19.1	30.7	28.0	4000	112.0	16000	120	1.40
722TC-16	25	1	-16	25.4	37.8	28.0	4000	112.0	16000	150	1.99

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

Hose layline example



722ST

No-Skive GlobalCore Super Tough
Exceeds ISO 18752-BC

Primary Applications
General high pressure hydraulic applications

Applicable Specifications
Exceeds ISO 18752-BC

Construction
Inner tube: Synthetic rubber
Reinforcement: Four spiral high-tensile steel wire
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



- No-Skive hose construction
- ½ ISO 18752 minimum bend radius
- 28 MPa constant working pressure
- Exceeds ISO 18752 BC performance specification
- Extreme abrasion resistant
- **SUPER TOUGH** cover
- 4-spiral construction for longer life in high-impulse, heavy-duty cycle applications

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 you'll find in the Medium Pressure chapter Cb

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		
722ST-6	10	3/8	-6	9.5	19.9	28.0	4000	112.0	16000	65	0.60
722ST-8	12	1/2	-8	12.7	22.7	28.0	4000	112.0	16000	90	0.80
722ST-10	16	5/8	-10	15.9	26.4	28.0	4000	112.0	16000	100	1.10
722ST-12	19	3/4	-12	19.1	30.7	28.0	4000	112.0	16000	120	1.40
722ST-16	25	1	-16	25.4	37.8	28.0	4000	112.0	16000	150	1.99

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

Hose layline example



787

No-Skive GlobalCore Compact Spiral™

Sizes -4 to -6 exceed ISO 18752-AC

Sizes -8 to -32 exceed ISO 18752-BC

Primary Applications

On- & offshore, construction, injection moulding, mining

Applicable Specifications

Exceeds ISO 18752-AC/BC

Construction

Inner tube: Proprietary synthetic rubber

Reinforcement: Two braid steel wire for sizes -4 to -6,
four or six compact spiral steel wire
for sizes -8 to -32

Cover: Synthetic rubber



- 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 %

Recommended Fluids

Petroleum based hydraulic fluids and lubricating oils.

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

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

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

Exception: Air max. +70 °C

Water max. +85 °C

Fitting Series

Series 43/48 for sizes -4 and -6

Series 77 for sizes -8 up to -32



Part Number	Hose I.D.				Hose O.D. mm	Pressure Rating				min. bend radius mm	weight kg
	DN	Inch	Size	mm		max. working pressure MPa	psi	min. burst pressure MPa	psi		
787-4	6	1/4	-4	6.3	13.0	35.0	5000	140.0	20000	50	0.31
787-6	10	3/8	-6	10.0	17.2	35.0	5000	140.0	20000	63	0.42
787-8	12	1/2	-8	12.7	21.1	35.0	5000	140.0	20000	90	0.67
787-10	16	5/8	-10	15.9	23.9	35.0	5000	140.0	20000	100	0.80
787-12	19	3/4	-12	19.1	27.9	35.0	5000	140.0	20000	120	1.16
787-16	25	1	-16	25.4	35.7	35.0	5000	140.0	20000	150	1.74
787-20	31	1 1/4	-20	31.8	44.9	35.0	5000	140.0	20000	210	2.89
787-24	38	1 1/2	-24	38.1	52.8	35.0	5000	140.0	20000	255	3.96
787-32	51	2	-32	50.8	67.6	35.0	5000	140.0	20000	318	6.50

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

Hose layline example



787TC

No-Skive GlobalCore Compact Spiral™

Tough Cover

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

Primary Applications

On- & offshore, construction, injection moulding, mining

Type Approvals

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

Applicable Specifications

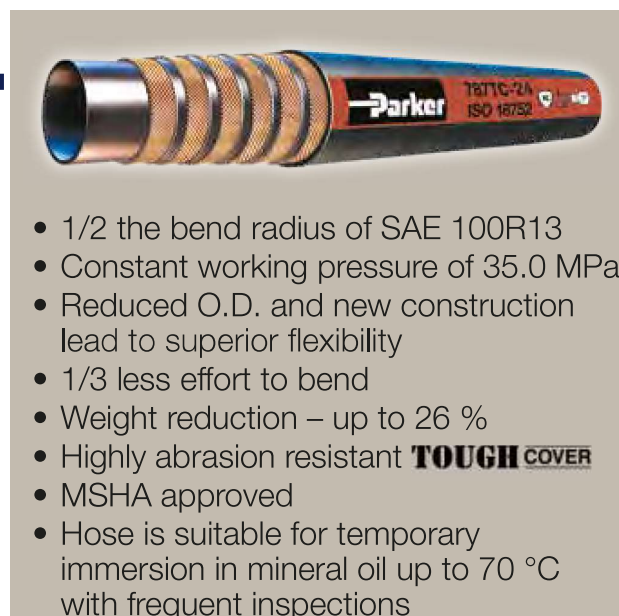
Exceeds SAE 100R13 – ISO 3862 Type R13 –
EN 856 Type R13 – ISO 18752-AC/DC

Construction

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

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

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



- 1/2 the bend radius of SAE 100R13
- Constant working pressure of 35.0 MPa
- Reduced O.D. and new construction lead to superior flexibility
- 1/3 less effort to bend
- Weight reduction – up to 26 %
- Highly abrasion resistant **TOUGH COVER**
- MSHA approved
- Hose is suitable for temporary immersion in mineral oil up to 70 °C with frequent inspections

Recommended Fluids

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

Fitting Series

Series 43/48 for sizes -4 and -6



Series 77 for sizes -8 up to -32



Part Number	Hose I.D.				Hose O.D.	Pressure Rating				min. bend radius	weight
	DN	Inch	Size	mm	mm	max. working pressure	min. burst pressure				
						MPa	psi	MPa	psi	mm	kg
787TC-4	6	1/4	-4	6.3	13.0	35.0	5000	140.0	20000	50	0.31
787TC-6	10	3/8	-6	10.0	17.2	35.0	5000	140.0	20000	63	0.42
787TC-8	12	1/2	-8	12.7	21.1	35.0	5000	140.0	20000	90	0.67
787TC-10	16	5/8	-10	15.9	23.9	35.0	5000	140.0	20000	100	0.80
787TC-12	19	3/4	-12	19.1	27.9	35.0	5000	140.0	20000	120	1.16
787TC-16	25	1	-16	25.4	35.7	35.0	5000	140.0	20000	150	1.74
787TC-20	31	1 1/4	-20	31.8	44.9	35.0	5000	140.0	20000	210	2.89
787TC-24	38	1 1/2	-24	38.1	52.8	35.0	5000	140.0	20000	255	3.96
787TC-32	51	2	-32	50.8	67.6	35.0	5000	140.0	20000	318	6.50

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

Hose layline example



787ST

No-Skive GlobalCore Compact Spiral™

Super Tough

Sizes -4 to -6 exceed ISO 18752-AC

Sizes -8 to -32 exceed ISO 18752-DC

Primary Applications

On- & offshore, construction, injection moulding, mining

Type Approvals

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

Applicable Specifications

Exceeds SAE 100R13 – ISO 3862 Type R13 –

EN 856 Type R13 – ISO 18752-AC/DC

Construction

Inner tube: Proprietary synthetic rubber

Reinforcement: Two braid steel wire for sizes -4 to -6,
four or six compact spiral steel wire
for sizes -8 to -32

Cover: Synthetic rubber
with a special polyethylene coating

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

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



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

SUPER TOUGH cover

Recommended Fluids

Petroleum based hydraulic fluids and lubricating oils.

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

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

Fitting Series

Series 43/48 for sizes -4 and -6

Series 77 for sizes -8 up to -32



Part Number	Hose I.D.				Hose O.D. mm	Pressure Rating				min. bend radius mm	weight kg
	DN	Inch	Size	mm		max. working pressure MPa	psi	min. burst pressure MPa	psi		
787ST-4	6	1/4	-4	6.3	13.0	35.0	5000	140.0	20000	50	0.31
787ST-6	10	3/8	-6	10.0	17.2	35.0	5000	140.0	20000	63	0.42
787ST-8	12	1/2	-8	12.7	21.1	35.0	5000	140.0	20000	90	0.67
787ST-10	16	5/8	-10	15.9	23.9	35.0	5000	140.0	20000	100	0.80
787ST-12	19	3/4	-12	19.1	27.9	35.0	5000	140.0	20000	120	1.16
787ST-16	25	1	-16	25.4	35.7	35.0	5000	140.0	20000	150	1.74
787ST-20	31	1 1/4	-20	31.8	44.9	35.0	5000	140.0	20000	210	2.89
787ST-24	38	1 1/2	-24	38.1	52.8	35.0	5000	140.0	20000	255	3.96
787ST-32	51	2	-32	50.8	67.6	35.0	5000	140.0	20000	318	6.50

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

Hose layline example

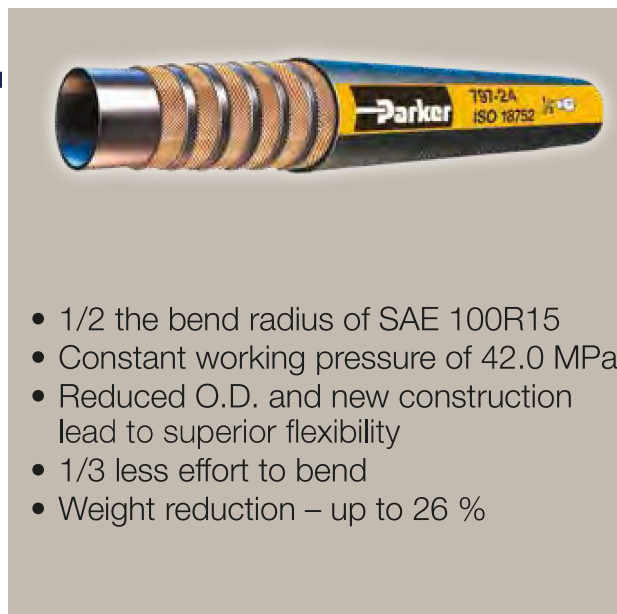


797

No-Skive GlobalCore Compact Spiral™

Size -4 exceeds ISO 18752-AC

Sizes -6 to -32 exceed ISO 18752-BC



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

Primary Applications

On- & offshore, construction, injection moulding, mining

Applicable Specifications

Exceed ISO 18752-AC/CC/DC

Construction

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

Recommended Fluids

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

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

Exception: Air max. +70 °C

Water max. +85 °C

Fitting Series

Series 43/48 for size -4

Series 43 for size -6

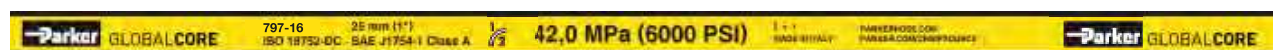
Series 77 for sizes -8 up to -32



Part Number	Hose I.D.				Hose O.D. mm	Pressure Rating				min. bend radius mm	weight kg
	DN	Inch	Size	mm		max. working pressure MPa	psi	min. burst pressure MPa	psi		
797-4	6	1/4	-4	6.3	13.0	42.0	6000	168.0	24000	50	0.31
797-6	10	3/8	-6	10.0	17.0	42.0	6000	168.0	24000	63	0.46
797-8	12	1/2	-8	12.7	21.1	42.0	6000	168.0	24000	100	0.67
797-10	16	5/8	-10	15.9	23.9	42.0	6000	168.0	24000	115	0.80
797-12	19	3/4	-12	19.1	27.9	42.0	6000	168.0	24000	135	1.16
797-16	25	1	-16	25.4	35.7	42.0	6000	168.0	24000	165	1.74
797-20	31	1 1/4	-20	31.8	44.9	42.0	6000	168.0	24000	225	2.89
797-24	38	1 1/2	-24	38.1	52.8	42.0	6000	168.0	24000	305	3.96
797-32	51	2	-32	50.8	67.6	42.0	6000	168.0	24000	380	6.50

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

Hose layline example



797TC

No-Skive GlobalCore Compact Spiral™

Tough Cover

Size -4 exceeds ISO 18752-AC

Sizes -8 to -20 exceed ISO 18752-DC

Sizes -6, -24, -32 exceed ISO 18752-CC

Primary Applications

On- & offshore, construction, injection moulding, mining

Type Approvals

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

Applicable Specifications

Exceeds SAE 100R15 – ISO 3862 Type R15 –

ISO 18752-AC/CC/DC

Construction

Inner tube: Proprietary synthetic rubber

Reinforcement: Two braid steel wire for size -4,
four or six compact spiral steel wire
for sizes -6 to -32

Cover: Highly abrasion resistance
MSHA approved synthetic rubber

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

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



- 1/2 the bend radius of SAE 100R15
- Constant working pressure of 42.0 MPa
- Reduced O.D. and new construction lead to superior flexibility
- 1/3 less effort to bend
- Weight reduction – up to 26 %
- Highly abrasion resistant **TOUGH COVER**
- MSHA approved
- Hose is suitable for temporary immersion in mineral oil up to 70 °C with frequent inspections

Recommended Fluids

Petroleum based hydraulic fluids and lubricating oils.

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

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

Fitting Series

Series 43/48 for size-4

Series 43 for size -6

Series 77 for sizes -8 up to -32



Part Number	Hose I.D.				Hose O.D. mm	Pressure Rating				min. bend radius mm	weight kg
	DN	Inch	Size	mm		max. working pressure MPa	psi	min. burst pressure MPa	psi		
797TC-4	6	1/4	-4	6.3	13.0	42.0	6000	168.0	24000	50	0.31
797TC-6	10	3/8	-6	10.0	17.0	42.0	6000	168.0	24000	63	0.46
797TC-8	12	1/2	-8	12.7	21.1	42.0	6000	168.0	24000	100	0.67
797TC-10	16	5/8	-10	15.9	23.9	42.0	6000	168.0	24000	115	0.80
797TC-12	19	3/4	-12	19.1	27.9	42.0	6000	168.0	24000	135	1.16
797TC-16	25	1	-16	25.4	35.7	42.0	6000	168.0	24000	165	1.74
797TC-20	31	1 1/4	-20	31.8	44.9	42.0	6000	168.0	24000	225	2.89
797TC-24	38	1 1/2	-24	38.1	52.8	42.0	6000	168.0	24000	305	3.96
797TC-32	51	2	-32	50.8	67.6	42.0	6000	168.0	24000	380	6.50

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

Hose layline example



797ST

No-Skive GlobalCore Compact Spiral™

Super Tough

Size -4 exceeds ISO 18752-AC

Sizes -8 to -20 exceed ISO 18752-DC

Sizes -6, -24, -32 exceed ISO 18752-CC

Primary Applications

On- & offshore, construction, injection moulding, mining

Type Approvals

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

Applicable Specifications

Exceeds SAE 100R15 – ISO 3862 Type R15 –

ISO 18752-AC/CC/DC

Construction

Inner tube: Proprietary synthetic rubber

Reinforcement: Two braid steel wire for size -4,
four or six compact spiral steel wire
for sizes -6 to -32

Cover: Synthetic rubber
with a special polyethylene coating

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

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



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

SUPER TOUGH cover

Recommended Fluids

Petroleum based hydraulic fluids and lubricating oils.

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

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

Fitting Series

Series 43/48 for size -4

Series 43 for size -6

Series 77 for sizes -8 up to -32



Part Number	Hose I.D.				Hose O.D. mm	Pressure Rating				min. bend radius mm	weight kg
	DN	Inch	Size	mm		max. working pressure MPa	psi	min. burst pressure MPa	psi		
797ST-4	6	1/4	-4	6.3	13.0	42.0	6000	168.0	24000	50	0.31
797ST-6	10	3/8	-6	10.0	17.0	42.0	6000	168.0	24000	63	0.46
797ST-8	12	1/2	-8	12.7	21.1	42.0	6000	168.0	24000	100	0.67
797ST-10	16	5/8	-10	15.9	23.9	42.0	6000	168.0	24000	115	0.80
797ST-12	19	3/4	-12	19.1	27.9	42.0	6000	168.0	24000	135	1.16
797ST-16	25	1	-16	25.4	35.7	42.0	6000	168.0	24000	165	1.74
797ST-20	31	1 1/4	-20	31.8	44.9	42.0	6000	168.0	24000	225	2.89
797ST-24	38	1 1/2	-24	38.1	52.8	42.0	6000	168.0	24000	305	3.96
797ST-32	51	2	-32	50.8	67.6	42.0	6000	168.0	24000	380	6.50

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

Hose layline example

