

High Pressure

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Fittings Series	Parkrimp			ParLock			
	70	73	77	VS	V4/V6	V5	WB
Chapter	Db	Dc	Dd	De	Df	Dg	Dh
Shell				1	1	1	1
DIN – Metric	1–4	1–4	1–4	2–5	2–5	2–3	2
BSP	5–7	5–6	5–6	6–7	6–8		3
SAE	8–10	7–9	7–9	8–10	9–11		4
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Special Fittings		20	25				

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Parkrimp

3-braids standard

372

Dab-2



No-Skive Compact

3-wire braid compact
hose with
4SP working pressures

3-braids low temperature

371LT

Dab-1



No-Skive Compact

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

3-braids high abrasion resistance

372TC

Dab-4



No-Skive Compact

3-wire braid compact hose
with
4SP working pressures

3-braids railway

372RH

Dab-3



No-Skive Compact

3-wire braid with fire-retardant cover

Parkrimp

Standard

SX35 Dab-5 Good <i>No-Skive Multispiral</i> ISO 3862 Type R13 – Parker Specifications	SX42 Dab-8 Good <i>No-Skive Multispiral</i> ISO 3862 Type R15 – Parker Specifications	701 Dab-11 Better <i>No-Skive Multispiral</i> Exceeds ISO 3862 Type 4SP – EN 856 Type 4SP	731 Dab-13 Better <i>No-Skive Multispiral</i> Exceeds ISO 3862 Type 4SH – EN 856 Type 4SH
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Low temperature

SX35LT Dab-6 <i>No-Skive Multispiral</i> Parker Specification	SX42LT Dab-9 <i>No-Skive Multispiral</i> Parker Specification
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Phosphate Ester

774 Dab-15 <i>No-Skive Multispiral</i> For phosphate ester base fluids	F42 Dab-17 <i>No-Skive Multispiral</i> For phosphate ester base fluids
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High abrasion resistance

SX35TC Dab-7 Good <i>No-Skive Multispiral Tough Cover</i> ISO 3862 Type R13 – Parker Specifications	SX42TC Dab-10 Good <i>No-Skive Multispiral Tough Cover</i> ISO 3862 Type R15 – Parker Specifications	701TC Dab-12 <i>No-Skive Multispiral Tough Cover</i> ISO 3862 Type 4SP – EN 856 Type 4SP	731TC Dab-14 <i>No-Skive Multispiral</i> ISO 3862 Type 4SH – EN 856 Type 4SH
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Railway

797RH Dab-16 <i>No-Skive Compact Spiral™</i> Fire-retardant cover

Hose

SX35

No-Skive Multispiral

ISO 3862 Type R13 – Parker Specifications



- *No-Skive* hose construction
- High performance
- Reinforcement of four spiral high-tensile steel wire
- Constant working pressure of 35.0 MPa
- Temperature range up to +125 °C

Primary Applications

General high pressure hydraulic applications

Applicable Specifications

ISO 3862 Type R13 – Parker Specification

Construction

Inner tube: Synthetic rubber
Reinforcement: Four spiral 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

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

Fitting Series



Part Number	Hose I.D.				Hose O.D. mm	Pressure Rating				min. bend radius mm	weight kg
	DN	Inch	Size	mm		max. working pressure MPa	psi	min. burst pressure MPa	psi		
SX35-12	20	3/4	-12	19.1	32.4	35.0	5000	140.0	20000	240	1.72
SX35-16	25	1	-16	25.4	38.2	35.0	5000	140.0	20000	300	2.14
SX35-20	32	1 1/4	-20	31.5	46.3	35.0	5000	140.0	20000	420	2.96

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

Hose layline example



SX35LT

No-Skive Multispiral

Parker Specification



- *No-Skive* hose construction
- Superior performances in extreme cold conditions
- Reinforcement of four high tensile steel wires
- Constant working pressure of 35.0 MPa
- Low Temperature range up to -57 °C (-70 °F)

Primary Applications

General high pressure hydraulic applications for very low temperature environments

Applicable Specifications

Parker Specification

Construction

Inner tube: Synthetic rubber

Reinforcement: Four high-tensile steel wires

Cover: Synthetic rubber

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

Exception: Air max. +70 °C

Water max. +85 °C

Recommended Fluids

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

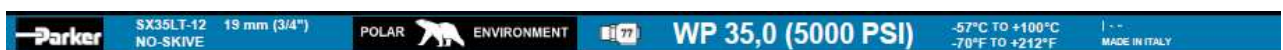
Fitting Series



Part Number	Hose I.D.				Hose O.D. mm	Pressure Rating				min. bend radius mm	weight kg
	DN	Inch	Size	mm		max. working pressure MPa	psi	min. burst pressure MPa	psi		
SX35LT-12	20	3/4	-12	19.1	32.4	35.0	5000	140.0	20000	240	1.72
SX35LT-16	25	1	-16	25.4	38.2	35.0	5000	140.0	20000	300	2.14
SX35LT-20	32	1 1/4	-20	31.5	46.3	35.0	5000	140.0	20000	420	2.96

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

Hose layline example



SX35TC

No-Skive Multispiral Tough Cover

ISO 3862 Type R13 – Parker Specifications



- *No-Skive* hose construction
- High performance
- Highly abrasion resistant **TOUGH COVER**
- MSHA approved
- Reinforcement of four spiral high-tensile steel wire
- Constant working pressure of 35.0 MPa
- Temperature range up to +125 °C

Primary Applications

General high pressure hydraulic applications

Applicable Specifications

ISO 3862 Type R13 – Parker Specification

Construction

- Inner tube: Synthetic rubber
- 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

Recommended Fluids

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

Fitting Series



Part Number	Hose I.D.				Hose O.D. mm	Pressure Rating				min. bend radius mm	weight kg
	DN	Inch	Size	mm		max. working pressure MPa	psi	min. burst pressure MPa	psi		
SX35TC-12	20	3/4	-12	19.1	32.4	35.0	5000	140.0	20000	240	1.72
SX35TC-16	25	1	-16	25.4	38.2	35.0	5000	140.0	20000	300	2.14
SX35TC-20	32	1 1/4	-20	31.5	46.3	35.0	5000	140.0	20000	420	2.96

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

Hose layline example



SX42

No-Skive Multispiral

ISO 3862 Type R15 – Parker Specifications



- **No-Skive** hose construction
- High performance
- Reinforcement of four or six spiral high-tensile steel wire
- Constant working pressure of 42.0 MPa
- Temperature range up to +125 °C

Primary Applications

General high pressure hydraulic applications

Applicable Specifications

ISO 3862 Type R15 – Parker Specification

Construction

Inner tube: Synthetic rubber
Reinforcement: Four or six spiral 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

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

Fitting Series

Size -12

Size -16 and -20



Part Number	Hose I.D.				Hose O.D. mm	Pressure Rating				min. bend radius mm	weight kg
	DN	Inch	Size	mm		max. working pressure MPa	psi	min. burst pressure MPa	psi		
SX42-12	20	3/4	-12	19.1	32.4	42.0	6000	168.0	24000	260	1.72
SX42-16	25	1	-16	25.4	38.2	42.0	6000	168.0	24000	330	1.74
SX42-20	32	1 1/4	-20	31.5	46.3	42.0	6000	168.0	24000	400	2.98

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

Hose layline example



SX42LT

No-Skive Multispiral

Parker Specification



- **No-Skive** hose construction
- Superior performances in extreme cold conditions
- Reinforcement of four or six high tensile steel wires
- Constant working pressure of 42.0 MPa
- Low Temperature range up to -57 °C (-70 °F)

Primary Applications

General high pressure hydraulic applications for very low temperature environments

Applicable Specifications

Parker Specification

Construction

Inner tube: Synthetic rubber
Reinforcement: Four or six spiral high-tensile steel wires
Cover: Synthetic rubber

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

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

Recommended Fluids

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

Fitting Series

Size -12

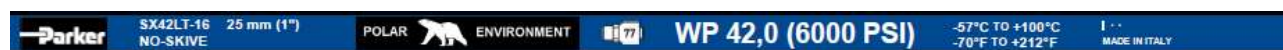
Size -16 and -20



Part Number	Hose I.D.				Hose O.D. mm	Pressure Rating				min. bend radius mm	weight kg
	DN	Inch	Size	mm		max. working pressure MPa	psi	min. burst pressure MPa	psi		
SX42LT-12	20	3/4	-12	19.1	32.4	42.0	6000	168.0	24000	260	1.72
SX42LT-16	25	1	-16	25.4	38.2	42.0	6000	168.0	24000	330	1.74
SX42LT-20	32	1 1/4	-20	31.5	46.3	42.0	6000	168.0	24000	400	2.98

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

Hose layline example



SX42TC

No-Skive Multispiral Tough Cover

ISO 3862 Type R15 – Parker Specifications



- *No-Skive* hose construction
- High performance
- Highly abrasion resistant **TOUGH COVER**
- MSHA approved
- Reinforcement of four or six spiral high-tensile steel wire
- Constant working pressure of 42.0 MPa
- Temperature range up to +125 °C

Primary Applications

General high pressure hydraulic applications

Applicable Specifications

ISO 3862 Type R15 – Parker Specification

Construction

Inner tube: Synthetic rubber
 Reinforcement: Four or six 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

Recommended Fluids

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

Fitting Series

Size -12

Size -16 and -20



Part Number	Hose I.D.				Hose O.D. mm	Pressure Rating				min. bend radius mm	weight kg
	DN	Inch	Size	mm		max. working pressure MPa	psi	min. burst pressure MPa	psi		
SX42TC-12	20	3/4	-12	19.1	32.4	42.0	6000	168.0	24000	260	1.72
SX42TC-16	25	1	-16	25.4	38.2	42.0	6000	168.0	24000	330	1.74
SX42TC-20	32	1 1/4	-20	31.5	46.3	42.0	6000	168.0	24000	400	2.98

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

Hose layline example

Parker NO-SKIVE - SX42TC-12 WP 42,0 MPa (6000 PSI) 1° ISO 3862 R15 - 19 mm (3/4") MADE IN ITALY

731

No-Skive Multispiral

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



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

Primary Applications

General high pressure hydraulic applications

Applicable Specifications

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

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



Part Number	Hose I.D.				Hose O.D. mm	Pressure Rating				min. bend radius mm	weight kg
	DN	Inch	Size	mm		max. working pressure		min. burst pressure			
						MPa	psi	MPa	psi		
731-12	19	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	31	1 1/4	-20	31.8	45.0	32.5	4700	130.0	18800	460	2.96
731-24	38	1 1/2	-24	38.1	53.0	29.0	4200	116.0	16800	560	3.20
731-32	51	2	-32	50.8	68.0	25.0	3600	100.0	14400	700	5.30

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

Hose layline example

NO-SKIVE 731-12 WP 42,0 MPa (6000 PSI) MSHA XXXX 19 mm (3/4) X 4S EN 856-4SH/20/4Q91

731TC

No-Skive Multispiral

ISO 3862 Type 4SH – EN 856 Type 4SH

Primary Applications

General high pressure hydraulic applications

Type Approvals

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

Applicable Specifications

ISO 3862 Type 4SH – EN 856 Type 4SH

Construction

Inner tube: Synthetic rubber
Reinforcement: Four spiral high-tensile steel wire
Cover: Highly abrasion resistance
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
- Reinforcement of four spiral high-tensile steel wire
- Highly abrasion resistant **TOUGH COVER**
- MSHA approved
- Hose is suitable for temporary immersion in mineral oil up to 70 °C with frequent inspections

Recommended Fluids

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

Fitting Series



Part Number	Hose I.D.				Hose O.D. mm	Pressure Rating				min. bend radius mm	weight kg
	DN	Inch	Size	mm		max. working pressure MPa	psi	min. burst pressure MPa	psi		
731TC-12	19	3/4	-12	19.1	32.0	42.0	6000	168.0	24000	280	1.72
731TC-16	25	1	-16	25.4	39.0	38.0	5500	152.0	22000	340	2.14
731TC-20	31	1 1/4	-20	31.8	45.0	32.5	4700	130.0	18800	460	2.96
731TC-24	38	1 1/2	-24	38.1	53.0	29.0	4200	116.0	16800	560	3.20
731TC-32	51	2	-32	50.8	68.0	25.0	3600	100.0	14400	700	5.30

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

