

# High Pressure

Hoses		Page		
Parkrimp	<b>371LT</b> <i>No-Skive</i>	3-braids low temperature	Dab-1	
	<b>372</b> <i>No-Skive</i>	3-braids standard	Dab-2	
	<b>372RH</b> <i>No-Skive</i>	3-braids railway	Dab-3	
	<b>372TC</b> <i>No-Skive</i>	3-braids high abrasion resistance	Dab-4	
	<b>Good</b> <b>SX35</b> <i>No-Skive</i>	Standard	Dab-5	
	<b>SX35LT</b> <i>No-Skive</i>	Low temperature	Dab-6	
	<b>Good</b> <b>SX35TC</b> <i>No-Skive</i>	High abrasion resistance	Dab-7	
	<b>Good</b> <b>SX42</b> <i>No-Skive</i>	Standard	Dab-8	
	<b>SX42LT</b> <i>No-Skive</i>	Low temperature	Dab-9	
	<b>Good</b> <b>SX42TC</b> <i>No-Skive</i>	High abrasion resistance	Dab-10	
	<b>Better</b> <b>701</b> <i>No-Skive</i>	Standard	Dab-11	
	<b>701TC</b> <i>No-Skive</i>	High abrasion resistance	Dab-12	
	<b>Better</b> <b>731</b> <i>No-Skive</i>	Standard	Dab-13	
	<b>731TC</b> <i>No-Skive</i>	High abrasion resistance	Dab-14	
	<b>774</b> <i>No-Skive</i>	Phosphate Ester	Dab-15	
	<b>797RH</b>	Railway	Dab-16	
	<b>F42</b> <i>No-Skive</i>	Phosphate Ester	Dab-17	
	ParLock	<b>H29</b>	Standard	Dab-18
		<b>H29TC</b>	High abrasion resistance	Dab-19
<b>H29ST</b>		Extreme abrasion resistance	Dab-20	
<b>H31</b>		Standard	Dab-21	
<b>H31TC</b>		High abrasion resistance	Dab-22	
<b>H31ST</b>		Extreme abrasion resistance	Dab-23	
<b>R35</b>		Standard	Dab-24	
<b>R35TC/RS35TC-48</b>		High abrasion resistance	Dab-25	
<b>R42</b>		Standard	Dab-26	
<b>R42TC</b>		High abrasion resistance	Dab-27	
<b>R42ST</b>		Extreme abrasion resistance	Dab-28	
<b>R50TC/R56TC</b>		High abrasion resistance	Dab-29	
<b>BPK</b>		Water-Blasting	Dab-30	
<b>FA35</b>		Firearmor Blowout Preventer	Dab-31	
<b>RD35TC</b>		High abrasion resistance	Dab-32	
<b>CEM69TC</b>		Cementing hose	Dab-33	

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
Flange	11–14	10–15	10–20	11–13	12–22		
ORFS	15–17	16–18	21–23	14–15	23–25		
French Standard			24				
Others	18	19					
Special Fittings		20	25				

Parker Hannifin assumes no liability for typographical errors or other errors

## 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

<p><b>SX35</b> <span style="background-color: #00AEEF; color: white; padding: 2px;">Good</span></p> <p>Dab-5 </p> <p><i>No-Skive Multispiral</i> ISO 3862 Type R13 – Parker Specifications</p>	<p><b>SX42</b> <span style="background-color: #00AEEF; color: white; padding: 2px;">Good</span></p> <p>Dab-8 </p> <p><i>No-Skive Multispiral</i> ISO 3862 Type R15 – Parker Specifications</p>	<p><b>701</b> <span style="background-color: #FFC000; padding: 2px;">Better</span></p> <p>Dab-11 </p> <p><i>No-Skive Multispiral</i> Exceeds ISO 3862 Type 4SP – EN 856 Type 4SP</p>	<p><b>731</b> <span style="background-color: #FFC000; padding: 2px;">Better</span></p> <p>Dab-13 </p> <p><i>No-Skive Multispiral</i> Exceeds ISO 3862 Type 4SH – EN 856 Type 4SH</p>
---	---	--	---

### Low temperature

<p><b>SX35LT</b></p> <p>Dab-6 </p> <p><i>No-Skive Multispiral</i> Parker Specification</p>	<p><b>SX42LT</b></p> <p>Dab-9 </p> <p><i>No-Skive Multispiral</i> Parker Specification</p>
---	---

### Phosphate Ester

<p><b>774</b></p> <p>Dab-15 </p> <p><i>No-Skive Multispiral</i> For phosphate ester base fluids</p>	<p><b>F42</b></p> <p>Dab-17 </p> <p><i>No-Skive Multispiral</i> For phosphate ester base fluids</p>
--	--

### High abrasion resistance

<p><b>SX35TC</b> <span style="background-color: #00AEEF; color: white; padding: 2px;">Good</span></p> <p>Dab-7 </p> <p><i>No-Skive Multispiral Tough Cover</i> ISO 3862 Type R13 – Parker Specifications</p>	<p><b>SX42TC</b> <span style="background-color: #00AEEF; color: white; padding: 2px;">Good</span></p> <p>Dab-10 </p> <p><i>No-Skive Multispiral Tough Cover</i> ISO 3862 Type R15 – Parker Specifications</p>	<p><b>701TC</b></p> <p>Dab-12 </p> <p><i>No-Skive Multispiral Tough Cover</i> ISO 3862 Type 4SP – EN 856 Type 4SP</p>	<p><b>731TC</b></p> <p>Dab-14 </p> <p><i>No-Skive Multispiral</i> ISO 3862 Type 4SH – EN 856 Type 4SH</p>
---	--	---	--

### Railway

**797RH**

Dab-16 

*No-Skive Compact Spiral™*  
Fire-retardant cover

Hose

# ParLock

## Standard

<b>H29</b> Dab-18  <b>ParLock Multispiral</b> Exceeds ISO 3862 Type 4SH – EN 856 Type 4SH	<b>H31</b> Dab-21  <b>ParLock Multispiral</b> Exceeds ISO 3862 Type 4SP – EN 856 Type 4SP	<b>R35</b> Dab-24  <b>ParLock Multispiral</b> Exceeds ISO 3862 Type R13 – Parker Specifications	<b>R42</b> Dab-26  <b>ParLock Multispiral</b> Exceeds ISO 3862 Type R15 – Parker Specifications
---	---	--	---

## High abrasion resistance

<b>H29TC</b> Dab-19  <b>ParLock Multispiral</b> Exceeds ISO 3862 Type 4SH – EN 856 Type 4SH	<b>H31TC</b> Dab-22  <b>ParLock Multispiral</b> Exceeds ISO 3862 Type 4SP – EN 856 Type 4SP	<b>R35TC/RS35TC-48</b> Dab-25  <b>ParLock Multispiral</b> Exceeds ISO 3862 Type R13 – Parker Specifications	<b>R42TC</b> Dab-27  <b>ParLock Multispiral</b> Exceeds ISO 3862 Type R15 – Parker Specifications
<b>R50TC/R56TC</b> Dab-29  <b>ParLock Multispiral</b> Exceeds ISO 3862 Type R15 – Parker Specifications	<b>RD35TC</b> Dab-32  <b>ParLock Multispiral Drilling Application</b> API 7K Grade D/ISO 14693	<b>CEM69TC</b> Dab-33  <b>ParLock Multispiral Cementing Hose</b> According to API 7K	

## Extreme abrasion resistance

<b>H29ST</b> Dab-20  <b>ParLock Multispiral</b> Exceeds ISO 3862 Type 4SH – EN 856 Type 4SH	<b>H31ST</b> Dab-23  <b>ParLock Multispiral</b> Exceeds ISO 3862 Type 4SP – EN 856 Type 4SP	<b>R42ST</b> Dab-28  <b>ParLock Multispiral</b> Exceeds ISO 3862 Type R15 – Parker Specifications
---	---	--

## Water-Blasting

<b>BPK</b> Dab-30  <b>Blastopak ParLock Multispiral</b> DIN EN 1829-2
--

## Firearmor Blowout Preventer

<b>FA35</b> Dab-31  <b>ParLock Multispiral Firearmor Blowout Preventer Application</b> Meets API 16D – Lloyd's 1000/499 fire test
--

## 371LT

### No-Skive Compact

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

#### Primary Applications

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

#### Applicable Specifications

Parker Specification

#### Construction

Inner 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



- *No-Skive* hose construction – Compact design
- Excellent ozone resistance
- Temperature range from -50 °C up to +100 °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		
371LT-6	10	3/8	-6	9.5	21.4	44.5	6500	178.0	25800	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	19	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.

Hose layline example



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

### Applicable Specifications

Parker Specification

### Construction

Inner 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

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		
372-6	10	3/8	-6	9.5	21.4	44.5	6500	178.0	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	19	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.

Hose layline example



# 372RH

## No-Skive Compact

3-wire braid with fire-retardant cover



- **No-Skive** hose construction
- Nitrile (NBR) inner tube – high chemical resistance
- Small bend radii
- Fire-retardant cover
- Railway approved:
  - European Standard EN45545 HL3 for R22 (internal) and R23 (external)
  - ISO 15540

### Primary Applications

Dynamic and static high-pressure hydraulic systems

### Type Approvals

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

### Applicable Specifications

Parker Specification

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

### Construction

Inner 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

### 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.

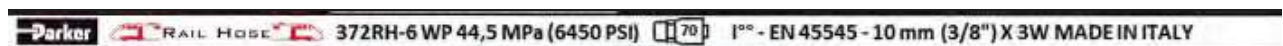
### Fitting Series



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		
372RH-6	10	3/8	-6	9.5	21.4	44.5	6500	178.0	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	19	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.

Hose layline example



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

#### Applicable Specifications

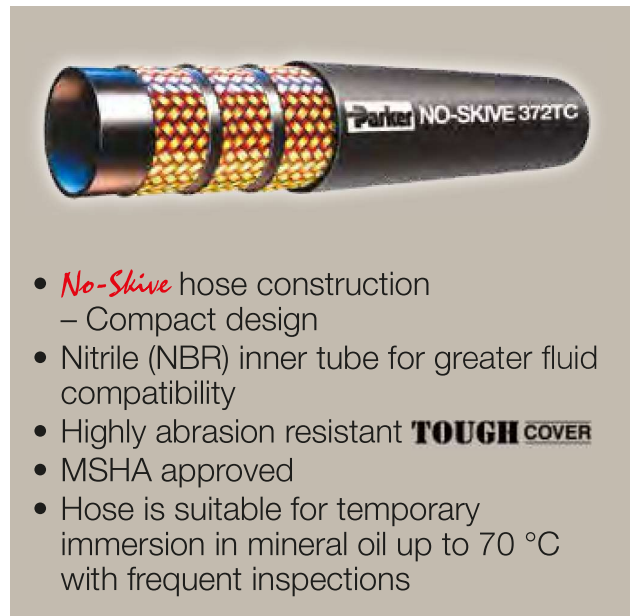
Parker Specification – working pressures and outside  
diameters according to EN 856-4SP

#### Construction

Inner tube: Nitrile (NBR)  
Reinforcement: Three high-tensile steel wire braids  
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 – 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

#### 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		
372TC-6	10	3/8	-6	9.5	21.4	44.5	6500	178.0	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	19	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.

Hose layline example





# 701

## No-Skive Multispiral

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



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

### Primary Applications

General high pressure hydraulic applications

### Type Approvals

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

### Applicable Specifications

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

### 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 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	19	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.

Hose layline example



# 701TC

## No-Skive Multispiral Tough Cover

ISO 3862 Type 4SP – EN 856 Type 4SP

### Primary Applications

General high pressure hydraulic applications

### Type Approvals

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

### Applicable Specifications

ISO 3862 Type 4SP – EN 856 Type 4SP

### 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		
701TC-6	10	3/8	-6	9.5	21.4	45.0	6500	180.0	26000	180	0.78
701TC-8	12	1/2	-8	12.7	24.6	41.5	6000	166.0	24000	230	0.93
701TC-10	16	5/8	-10	15.9	28.2	35.0	5000	140.0	20000	250	1.15
701TC-12	19	3/4	-12	19.1	32.2	35.0	5000	140.0	20000	300	1.58
701TC-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.

Hose layline example

