

Thermoplastic Hoses

Polyflex/Parflex

Thermoplastic Hoses for Hydraulic Applications



For pressures up to 700 bar. Single and multiple lines with permanently attached end fittings for self assembly with Polykrimp/Parkrimp systems.

Applications: low pressure to high pressure hydraulic, pneumatic and surface finishing, PTFE hoses.

Construction: thermoplastic hoses with synthetic fibre/steel wire reinforcement.

Size range: from 1/4" to 1.1/4".

Working pressure: 700 bar on 1/4" and 275 bar on 1.1/4".

Temperature range: -57 °C to +150 °C.

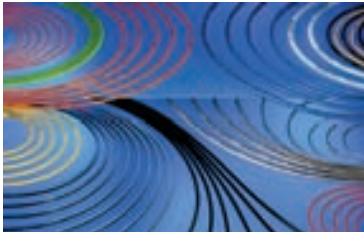


zfc 03

Catalogue 4460 and 4467 (PTA/PTB)

Polyflex Presto

Tubing for Pneumatics



Thermoplastic single and multicore tubing bundles for most pneumatic applications. Tubing bundles for instrumentation, controls and systems monitoring.

Materials: Polyethylene (PE), Polyurethane (TPU), Polyamide (PA).

Size range: 2 to 16 mm (1/8" to 1").

Temperature range: -40 °C to +80 °C



zfc 02

Catalogue 5210

Hydraulic Fittings

EO-Plus, EO2-Plus, EO2 Form

EO-PLUS



New, chromium(VI)-free fitting generation, consisting of: EO-Plus for metallic sealed connections, EO2-Plus for soft sealed connections and EO2-Form for soft sealed cold-formed tube connections. Gives maximum safety even at extreme pressures, 500 hours corrosion resistance against white rust.

Product range:

Series L from 6 to 42 mm tube o.d.

Series S from 6 to 38 mm tube o.d.

EO2-PLUS



Material: steel.

Sealing material (EO2-Plus/EO2-Form): NBR/FPM.

Nominal pressure Pn: Series L up to 500 bar

Series S up to 800 bar.

Sizes 20S 38S: 420 bar.

EO2-FORM



zfc 05
Catalogue 4100-8

Parker O-Lok

O-Ring Face Seal Fittings (ORFS)



Soft seal fittings provide leak-free connections for high pressure hydraulic systems. Excellent where reliability, versatility and ease of assembly are important factors. For rigid tubing and hoses.

Material: steel and stainless steel, brass on request.

Sizes: tube o.d. 6 to 50 mm (1/4" to 2").

Port threads: BSPP, metric ISO 6149 and DIN 3852, UNE, NPTF.

Nominal pressure Pn: up to 630 bar.

Standards: ISO 8434-3, SAE J1453.



zfc 08
Catalogue 4100-8

Triple-Lok Fittings



Triple-Lok fittings are rated up to 500 bar nominal pressure with 4x design factor. The robust adjustable port connections eliminates potential assembly errors. All fittings are with Cr(VI)-free surface and achieve a corrosion resistance of 120 hours to first white rust, exceeding industry standards. Triple-Lok fittings offer the broadest range of sizes and configurations of any fitting.



zfc 07
Catalogue 4100-8

Pneumatic Fittings

Prestolok 2

Push-in Fittings – Thermoplastic Body



Prestolok 2 is an instant fitting for plastic tubing, may be used with a protective cap.

Material: polyamide, threaded parts in nickel plated brass.

Sizes: tube o.d. 4 to 14 mm.

Threads: BSPT, BSPP 1/8" to 1/2", metric M3 to M22.

Working pressure: up to 18 bar.

Working temperature: -25 °C to +80 °C

(depending on tube specification)



zfc 09
Catalogue 0093

Prestomatic 2

Airbrake Fittings



Re-usable push-in brass fitting for use with polyamide airbrake tubing.

Material: brass.

Sizes: tube o.d. from 6 to 16 mm.

Threads: from M10x1.0 to M22x1.5, NPT, BSPT.

Working pressure: up to 17 bar.

Working temperature: -40 °C to +100 °C.



zfc 10
CD3530-2/UK

Metrulok

Medium Pressure Brass Tube Fittings



Metrulok is a one-piece ready to use bite type fitting for use with either copper or plastic tubing. The cutting ring is retained within the nut. Metrulok fittings are reusable.

Material: brass.

Sizes: tube o.d. 4 to 22 mm.

Threads: NPT, BSPT, BSPP 1/16" to 3/4", metric M5 to M22.

Working pressure: copper tubing up to 180 bar, plastic tubing up to 39 bar.

(depending on tube size)

Working temperature: -60 °C to +190 °C.



zfc 11
Catalogue 0093

Quick Couplings

Agricultural Hydraulic



Quick couplings and multicoupler systems with ball locking mechanism designed to satisfy many applications such as hydraulic connection between implements and tractors, forestry equipment, mowers and also road service vehicles. Most of the series meet the ISO 7241-1-A standard and are widely interchangeable. They are used by major manufacturers of tractors and agricultural equipment worldwide.

Material: steel.
Sizes: from 1/4" to 1".
Threads: BSPP, NPTF, UNF and metric.
Rated pressure: up to 250 bar.



zfc 12
Catalogue 3800

High Pressure



General purpose and screw-to-connect quick couplings for rock breakers, hydraulic hammers, excavators... They combine the advantages of high pressure up to 450 bar with well proven designs.

Material: steel.
Sizes: from 3/8" to 1.1/2".
Threads: BSPP, NPTF, NPSE, UN(F), metric.
Rated pressure: up to 450 bar.



zfc 13
Catalogue 3800

Diagnostic



Diagnostic couplings provide easily accessible test points for performance testing of hydraulic systems in plant or on mobile vehicles. This early detection contributes to equipment efficiency and long life. Parker PD & PDP series combine many advantages: ISO 15171-1 & SAE J1502 conformity for wide interchangeability, flat-faced poppet for reduced spillage, possibility to connect under pressure.

Material: steel.
Size: 1/8".
Threads: BSPP, NPTF, UNF and metric.
Rated pressure: up to 630 bar.



zfc 14
Catalogue 3800

Quick Couplings

Middle Pressure – TEMA Multi Line™



TEMA MULTI-LINE® coupling systems can be used for a wide variety of applications and open up huge potential in handling and efficiency. Developed by our Swedish design engineers, they have been tested under extreme conditions, for practical suitability in numerous applications. The systems are completely compliant with the high function, safety and durability demands of industrial users as well as being an efficient alternative to individual systems in the mobile hydraulics.

C-Line Compact for mobile hydraulics.

C-Line Standard for mobile hydraulics with up to four connections.

I-Line Industry for industrial mechanical engineering.

Max. pressure range: 350 bar.

Equipped with: Pressure eliminator and FlatFace couplings.

Connections: 3/8", 1/2" or 3/4".

C-Line multi plates are provided with protective cap and support plate as standard. Optional assembly brackets are available.

Hydraulic Equipment



For each application, we have a solution: general purpose 60 series meeting ISO 7241-1-B standard, screw-to-connect 6100 series to connect under pressure, FF series with flat-faced poppet to protect work place and environment.

Material: steel.

Sizes: from 3/8" to 1.1/2".

Threads: BSPP, NPTE, NPSE, UNF.

Rated pressure: up to 280 bar.



zfc 27
Catalogue 3800

Parflange® 1050



The Parflange® 1050 is an orbital 37° flaring and 180° flanging machine. By using the patented Parflange® process, it achieves an excellent sealing surface and a high-strength tube connection.

It represents a complete tube forming WorkCenter. For professional mass production of O-Lok® connections, the Parflange® 1050 PRO can be ordered with an automatic sleeve feeder.

The Parflange® 1050 BASIC is ideal workshop use and project work, the 1050 PRO is ideal for professional mass production.

180° flanging of: O-Lok®

37° flaring of.: Triple-Lok®

Assembly method: Orbital flaring

Tube O.D.: 6–50 mm

Total cycle time: 15–20 sec.

Economic production quantity: max. 500 assemblies per day

Quantity with sleeve feeder: max. 1200 assemblies per day

Dimensions (L x W x H): 700 x 840 x 1035 mm.

Weight: 380 kg.

Power supply: 400 V, 3-phase, 50 hz, 4,5 KW.



zfc 28
Catalogue 4100-8



Rubber Hoses

Multispiral Hoses *No-Skive*



The Multispiral No-Skive hose range contains all market typical 4 and 6 spiral hose types including 4SP/4SH, SAE 100R12, R13 and R15 SAE. Unique to Parker however, is that the full range of spiral hoses are No-Skive, so no removal of the outer cover or inner tube is required before crimping the fittings on to the hose. This unique functionality is achieved through specially designed fittings that bite through the outer cover and guarantee a total grip system between the fitting and the hose.

As a complimentary product to this MS range Parker also has the No-Skive Compact hose types:

371LT - (3 wire braid Low Temperature Compact hose with 4SP working pressures).

372 and 372TC - (3 wire braid Compact hose with 4SP working pressures).

372RH - (with fire-retardant cover).

This 3 wire braided hose has a higher specification than the typical 4SP hose, whilst also offering greater flexibility.

All of the MS products in the range are also available upon request with nitrile inner tubes that offer higher chemical resistance to aggressive fluids and are ideal for use with bio-oils.

Working pressure: up to 445 bar.

Temperature range: -40 °C to +121 °C.

Dimensions: size -6 to -32 .



zfc 15
Catalogue 4400-UK

ParLock Multispiral Hose and Fitting Range - the High Performance Skive System



Specific customers or applications stipulate the implementation of multispiral hose assemblies with external/internal skive type fittings. With the ParLock hose and fittings range, Parker meets this demanding market requirement. The ParLock system offers: A full range of skive/interlock multi spiral hoses ISO 3862-1 (4SP to R15). Hose and fitting combination giving performance that exceeds ISO/EN requirements. Approved hose and fitting compatibility "one manufacturer, one source". Field-tested, proven reliability suitable for:

- High flex-impulse applications
- High vibration applications

Constructions: synthetic rubber tube and cover, 4 to 6 layers of high tensile steel.

Dimensions: size -6 to -32.

Working pressure: up to 44,5 MPa.

Temperature range: -40 °C to +100 °C.

Specifications: ISO 3862 EN 856 4SP/4SH / R12 / R13 / R15.



zfc 18
Catalogue 4480-B28.1-UK

Rubber Hoses

Parkrimp *Elite* Compact *No-Skive* Hoses



The design of compact hoses for the future. The medium pressure hydraulic hose product range contains:

- Elite Compact hoses exceeding EN specifications
- No-Skive hoses according to specifications: EN 853, SAE 100 R1AT, SAE 100 R2AT and SAE 100 R16

Whenever small bend radii together with high-pressure ratings and excellent oil compatibility are required, the Parker Elite Compact hoses should be the first choice. The proven functionality of the Elite Compact hoses and the respective Parker 46 series fittings offers increased safety and reliability. The Elite range contains both single and twin-line rubber hoses meeting or exceeding the EN857 specification.

Parker Compact hoses and 46 series fittings can be crimped on Parker's Karrykrimp 1 & 2 and Parkrimp 2 crimping machines offering a complete system solution for your hydraulic hose needs.

Construction: Abrasion and ozone resistant synthetic rubber cover, 1 or 2 layers of high tensile steel wires and high quality Nitrile (NBR) inner tubes.

Dimensions: size -4 to -20.

Working pressure: up to 42,5 MPa.

Temperature range: -50 °C to +100 °C.



zfc 16
Catalogue 4400-UK

SAE 100R5 Air Brake/Refrigerant and 2TE Hydraulic Hoses



This range of hoses is the optimum solution for air brake systems, diesel engine cooling systems as well as air conditioning applications. Parker is offering for this hose types a special range of fittings (Series 26) as a No-Skive system. Some of the available hose types include high performance of fire resistance construction.

The hose constructions are dependent on working pressure and contain different layers of textile or steel wires and synthetic rubber material for tube and cover.

Working pressure: up to 207 bar.

Temperature range: -50 °C to +150 °C.

Dimensions: size -4 to -32.



zfc 17
Catalogue 4400-UK

Parkrimp Compact *No-Skive* Twin Hoses



The vulcanized rubber Compact twin hoses have a high abrasion resistant cover and are extremely flexible with a constant working pressure of 210 bar.

These hoses are ideal for applications where extremely small bending radii are required such as the 'mast application' on a fork lift truck, hose reels for such applications as mobile cranes or lifting platforms.

Working pressures: up to 210 bar.

Temperature range: -40 °C to +80 °C.

Dimensions: size -4 to -10.

Pretension: 3-5 %.



zfc 20
Catalogue 4400-UK

Rubber Hoses

Push-Lok Hoses

(Low Pressure Self-grip Hose and Fitting System)



For the following good reasons Parker Hannifin is worldwide market leader with the Push-Lok System. Push-Lok hose and fittings are worldwide approved and available with a variety of connections in DIN, BSP, SAE, JIC and ORFS in brass, steel and stainless steel. The Push-Lok System includes 9 hose types for a multiplicity of applications. During many years of system development three different hose constructions were created:

- 6 rubber hose constructions
- 2 thermoplastic hose constructions
- 1 hybrid hose construction

The hoses are available with 6 different colours, which could be used to sign different kind of fluids.

Please find below some basic features about the Push-Lok System:

- Easy assembly - no tools and clamps required
- Low assembly costs
- High functional safety with a safety factor of 4
- Hose + fitting = One manufacturer
- High-class hose types

Customer oriented hose developments are the basis for high-class hoses.

Working pressure: up to 24 bar.

Temperature range: -40 °C to +150 °C.

Dimensions: size -4 to -16.



zfc 16
Catalogue 4400-UK

Parkrimp Compact *No-Skive* 'Tough Cover' and 'Super Tough' Cover Hoses



In applications where even higher abrasion resistance than the Parker Compact hoses already offer is required, the TC (Tough Cover) and the ST (Super Tough cover) hoses offer extreme abrasion resistance for extreme applications. Specifying a Parker hose with ST cover offers an abrasion resistance level 450 times greater than that of a standard rubber cover according to ISO 6945 metal to hose abrasion test results. The same test results prove Parker's TC cover to be 80 times more abrasion resistant than the standard rubber cover. These ultra high abrasion resistant hoses give increased service life, lower maintenance costs and can eliminate the need for costly hose protectors such as guards or sleeves. As with all Parker No-Skive hoses the cover does not need to be removed before assembling the Parkrimp fittings.

Working pressure: up to 400 bar.

Temperature range: -40 °C to +100 °C.

Dimensions: size -4 to -16.



zfc 19, zfc 26
Catalogue 4400-UK