Quick Couplings Catalog

For Hydraulic and Fluid Handling Solutions

Parker

ENGINEERING YOUR SUCCESS.

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THE RIGHT SOLUTION FOR EVERY SECTOR!

Whether under water, in aerospace, on the high seas, on the street, or in industry – our quick connect coupling systems are at home in many domains and represent the right solution in numerous technical applications.

The modular structure of our series allows you to benefit from a wide standard range, which includes a suitable system for most applications – just-in-time goes without saying.

Structure of the Catalog

		Poppet Valve	S	SS	PE	FlatFace	S	SS	PE
Low Pressure	Thermal Management					• NSI Series	18	18	
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Medium Pressure	Ball Locking – ISO Standard Profile	**ISO-A**				**ISO-F**			
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S = Standard Version SS = Stainless Steel Version PE = Pressure Eliminator Version

ARE YOU HOPING TO FIND WITHOUT LOOKING? THEN WE HAVE JUST THE THING FOR YOU!

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Thermal Management

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NSA Series Page 22 to 23

Medium Pressure

Ball Locking Systems

ISO Standard Profile

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Tema Profile

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Parker Profile

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Snap-tite Profile

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Screw-to-Connect

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Important Notes:

- Please note that the technical data, specifications and drawings in the catalogue are not binding. This information is subject to change without notice in the interest of improvement.
- We reserve the right to make technical modifications for the purposes of improvement.
- December 2017: With the actual catalogue the older versions are no longer valid.
- The interchangeability is guaranteed under the assumption that the manufacturer of the relevant product has not changed any functional part in the meantime.
- You will find important safety instructions on pages 12 and 13.

THE RIGHT SOLUTION FOR EVERY SECTOR!

Whether under water, in aerospace, on the high seas, on the street, or in industry – our quick connect coupling systems are at home in many domains and represent the right solution in numerous technical applications.

The modular structure of our series allows you to benefit from a wide standard range, which includes a suitable system for most applications – just-in-time goes without saying.

QUICK COUPLINGS SELECTION CRITERIAS

Before you spec it, STAMP it

When you order hose and fittings from Parker, remember the word “STAMP.”
That way you won’t forget important information!

Checklist for Selecting Quick Couplings

- What are the functional requirements of the coupling?
- What is the maximum working pressure of the application?
- Which seals and body material are compatible with the system's fluid?
- Is the application static or dynamic?
- What size coupler is required?
- What is the maximum pressure drop suitable for the application?
- Does the application require the ability to connect and disconnect under pressure?
- What is the media temperature and amient temperature?
- What end configurations are required?
- Is an industry interchange coupler required?
- Is air inclusion and fluid loss a concern in application?

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- July 2021: With the actual catalogue the older versions are no longer valid.
- The interchangeability is guaranteed under the assumption that the manufacturer of the relevant product has not changed any functional part in the meantime.
- You will find important safety instructions on pages 14 and 15.

Low Pressure

Low Pressure

Energy efficiency and compact design play a major role in thermal management applications. As a result of the low pressure drop of our coupling systems, we take energy saving into account at the same time as optimal performance. Reducing the sizes of our couplings allows their use in the most confined spaces. The know-how we have acquired from over 60 years in the development and production of quick connect couplings guarantees a reliable and efficient solution for your requirement.

Medium Pressure

Medium Pressure

Find information about our wide range of medium pressure products on these pages used for pressures up to 500 bar. We clustered the products in their profiles such as ISO, Tema and Parker profiles to ease up your selection process. Here you can also find a chapter for our screw-to-connect couplings and our multi-coupling solutions where you can handle up to six couplings in a single operation.

FlatFace Systems
Identify all products with a FlatFace coupling design from this sign. They have a non-drip, dry-break function that also avoids air and dirt insertion in the hydraulic circuit. The flat surfaces ensure an easy cleaning especially in harsh mobile hydraulic applications. So it's an ideal alternative and an environmental friendly solution.

Pressure Eliminator
By using this technology residual pressures in hydraulic lines that avoid coupling can be overcome smoothly and without enormous efforts. A special valve design automatically releases any residual pressure and guarantees the functionality of the coupling.

High Pressure

High Pressure

This chapter provides information on our systems for use with high pressures up to 3000 bar for various applications in mobile, stationary industrial and hydraulic areas. In here you can also find our range of high pressure adapters for a lot of hydraulic tasks.

Diagnostics

Diagnostics

Hydraulic lines or circuits have to be checked constantly due to pressure or quality of the hydraulic medium. With our diagnostic products these test can be done easier even under working pressure conditions, to reduce disturbances of the processes to the bare minimum.

Accessories

Accessories

Besides our wide range of coupling solutions we also provide you with high-quality, helpful accessories that complete our offer and gives you the opportunity to get all components you need from a single and reliable source.

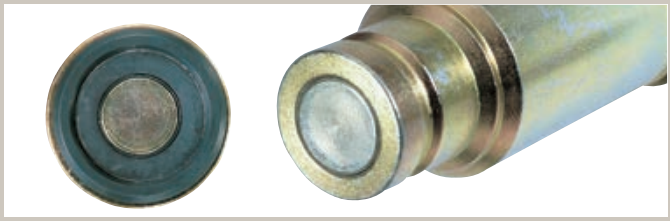
Key to Symbols in Application Area

- Machinery Construction
- Railway
- Chemical Technology
- Mobile Hydraulics
- Trade
- IT
- Safety Technology
- Electrical Engineering
- Aeronautics
- Automotive

ABOVE ALL ELSE, OUR SYSTEMS OFFER YOU GREATER SAFETY.

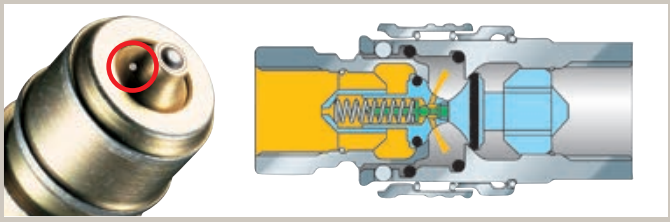
The FlatFace Concept

Dirt-proof FlatFace couplings have the following advantages: Non-drip, dry-break function on disconnection, no air is trapped in the system during connection and extremely flat surfaces to ensure easy cleaning. Depending on the application, the FlatFace concept is the ideal alternative for an environmental high-quality solution.



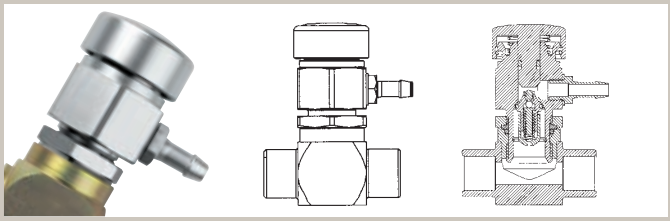
The Pressure Eliminator

By using this innovative Tema patented technology, residual pressures in hydraulic lines can be overcome smoothly and without effort. The use of a micro-valve, incorporated in the coupling or plug will automatically release any residual pressure on reconnection.



The Pressure Relief Valve

A pressure relief valve mounted directly in the pressurised line will release the dynamic pressure in this hydraulic system by pushing a button. Attached couplings can now be coupled pressure-free! After connection, release the button to re-pressurise.



Lubrication Nipple

The Tema lubrication nipple is a vital accessory item in order to prevent dirt to enter into couplings in disconnected position. It will also prevent freezing up of the coupling mechanism. The nipple is simple to use, just connect onto coupling body and you can easily protect internal mechanical parts using a standard grease-gun. A valuable accessory item in many climate zones.

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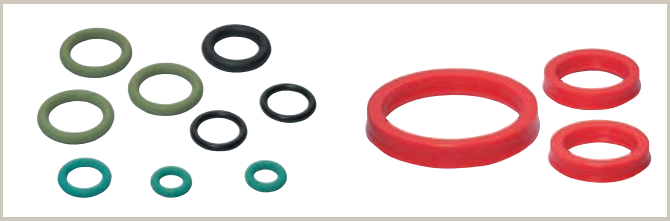


O-Rings / Profile Rings

Depending on the application, couplings are equipped with seals in various alternative material qualities, e.g. NBR, FKM, EPDM or PUR. In many ranges, double O-ring seals are even used as standard in order to increase safety.

ISO 7241-1, A Series

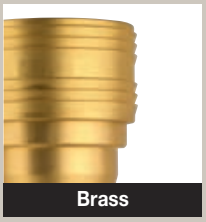
ISO 7241-1, B Series

ISO 16028

ISO-Profiles

In order to offer maximum interchangeability, our ISO A-Series (s. p. 14), ISO-B Series (s. p. 26) and ISO F-Series (s. p. 36) have been designed to conform to the latest international ISO-specifications. This will ensure full compatibility with all standard couplings and plugs which conform to the same specifications.

Steel


Brass

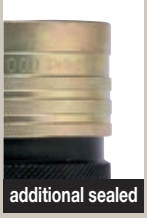
Stainless Steel

Material Qualities

Depending on working pressures and applications, Parker coupling systems are being offered in hardened steel or brass. In addition, numerous series can be supplied as standard in stainless steel.

Zinc pl., pass., sealed

Chrome III plated


additional sealed

nitrocarburised

Surface Finish

Galvanised, passivated and sealed:
to prevent corrosion.
Nitrocarburisation: a surface hardening.
The product acquires a black colour.

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FLUID COMPATIBILITY CHART IN ALPHABETICAL ORDER

The following seal compound and body material compatibility chart is provided as an aid in selecting a specific synthetic rubber compound or body material for a particular application. Shown here is a list of the seal materials available, with their temperature ranges.

Operating and environmental conditions must be considered when making the selection of a quick coupling. For recommendations for media not listed here, please contact your Parker representative.

Refer to the appropriate section of the catalogue for ordering information for seal codes for specific products.

To indicate a special material just add the appropriate code letter as a suffix to the catalogue numer of the coupler.

It is not necessary to use the code "STD" as the standard Nitrile seal will be used when another code is not used.

	Body Material				Seal Material			
Media	**Brass**	**Steel**	**AISI316**	**AISI303**	**NBR**	**EPDM**	**FKM**	**CR**
3M FC -75	4	4	4	4	1	1	2	1
Acetamide	4	4	1	2	1	1	3	1
Acetic acid (5%)	3	3	1	1	2	1	1	1
Acetone	1	2	1	1	3	1	3	3
Acetophenone	2	2	2	1	3	1	3	3
Acetyl acetone	2	2	2	1	3	1	3	3
Acetyl chloride	4	2	2	2	3	3	1	3
Acetylene	3	2	1	1	1	1	1	2
Air (100 °C)	1	2	1	1	1	1	1	1
Air (150 °C)	1	2	1	1	3	3	1	3
Air (200 °C)	1	2	1	1	3	3	1	3
Aluminium acetate	4	4	4	4	2	1	3	2
Aluminium bromide	4	4	4	4	1	1	1	1
Aluminium chloride (10%)	3	3	3	3	1	1	1	1
Aluminium chloride (100%)	3	2	2	2	1	1	1	1
Aluminium fluoride	3	3	3	3	1	1	1	1
Aluminium nitrate	3	3	2	2	1	1	1	1
Aluminium salts	4	4	4	4	1	1	1	1
Aluminium sulphate	2	3	2	3	1	1	1	1
Alums (NH3- Cr-K)	4	4	4	4	1	1	3	1
Ammonia (anhydrous)	3	2	1	1	2	1	3	1
Ammonia (cold, gas)	3	2	4	1	1	1	3	1
Ammonia (hot, gas)	3	2	4	1	3	2	3	2
Ammonium carbonate	3	2	3	3	3	1	1	1
Ammonium chloride	2	3	2	3	1	1	1	1
Ammonium hydroxide	3	3	1	2	3	1	3	1
Ammonium nitrate	3	3	1	1	1	1	4	1
Ammonium persulfate solution	3	3	1	2	3	1	4	4
Ammonium phosphate (Mono-, Di-, Tri-basic)	3	3	3	2	1	1	4	1
Ammonium salts	4	4	4	4	1	1	3	1
Ammonium sulphate	3	3	2	3	1	1	3	1
Amyl borate	4	4	4	4	1	3	1	1
Amyl chloride	4	2	1	1	4	3	1	2
Amyl chloronaphtalene	4	4	4	4	3	3	1	3
Amyl naphthalene	4	4	4	4	3	3	1	3
Animal oil (lard oil)	2	2	2	2	1	2	1	2
Aroclor 1248	2	3	3	3	3	2	1	3
Aroclor 1254	2	3	3	3	3	2	1	3
Aroclor 1260	2	3	3	3	1	4	1	1
Aromatic fuel -50%	4	4	4	4	2	1	1	3
Arsenic acid	3	3	1	1	1	2	1	1
Asphalt	3	3	1	1	2	3	1	2
ASTM oil, n° 1	1	1	1	1	1	3	1	1
ASTM oil, n° 2	1	1	1	1	1	3	1	2
ASTM oil, n° 3	1	1	1	1	1	3	1	3
ASTM oil, n° 4	1	1	1	1	2	3	1	3
ASTM reference fuel A	3	2	1	1	1	3	1	2
ASTM reference fuel B	3	2	1	1	1	3	1	3
ASTM reference fuel C	3	2	1	1	1	3	1	3
Automotive brake fluid	4	4	4	4	3	1	3	2
Barium chloride	3	3	2	3	1	1	1	1
Barium hydroxide	3	2	2	3	1	1	1	1
Barium salts	4	4	4	4	1	1	1	1
Barium sulphide	3	2	3	3	1	1	1	1

Codes:

1 = satisfactory
2 = fair
3 = not recommended
4 = insufficient data available

Seal Material	Temperature Range
NBR	-40°C up to +110°C
EPDM	-50°C up to +150°C
FKM	-25°C up to +200°C
CR	-50°C up to +150°C

	Body Material				Seal Material			
Media	**Brass**	**Steel**	**AISI316**	**AISI303**	**NBR**	**EPDM**	**FKM**	**CR**
Beer	3	3	1	1	1	1	1	1
Beet sugar liquors	3	3	1	1	1	1	1	2
Benzaldehyde	3	3	2	3	3	1	3	3
Benzene	3	2	3	3	3	3	1	3
Benzenesulfonic acid (10%)	3	3	3	3	3	3	1	2
Benzine	4	4	4	4	1	3	1	2
Benzoic acid	3	3	3	3	3	3	1	3
Benzyl alcohol	4	3	1	2	3	2	1	2
Benzyl chloride	3	3	2	3	3	3	1	3
Bleach liquor	4	4	4	4	3	1	1	2
Borax	3	2	3	3	2	1	1	3
Bordeaux mixture	4	4	4	4	2	1	1	2
Boric acid	3	3	2	3	1	1	1	1
Brake fluid (non-petroleum)	4	4	4	4	3	1	3	2
Brine (sodium chloride)	3	3	1	1	1	1	1	1
Bromine	4	4	4	4	3	3	1	3
Bromine water	4	4	4	4	3	2	1	3
Bunker oil	4	4	4	4	1	3	1	3
Butadiene (monomer)	3	2	1	2	3	3	1	3
Butane	3	1	1	1	1	3	1	1
Butane (2.2 & 2.3-dimethyl)	4	4	4	4	1	3	1	2
Butanol (butyl alcohol)	2	1	1	1	1	2	1	1
Butter (animal fat)	2	3	1	2	1	1	1	2
Butyl butyrate	4	4	4	4	3	1	1	3
Butyl stearate	4	4	4	4	2	3	1	3
Calcine liquors	4	4	4	4	1	1	1	4
Calcium acetate	4	4	4	4	2	1	3	2
Calcium bisulphite	3	3	2	3	2	1	2	2
Calcium carbonate	3	2	3	2	1	1	1	1
Calcium chloride	3	3	2	3	1	1	1	1
Calcium hydroxide	3	3	2	3	1	1	1	1
Calcium hypochlorite	3	3	2	3	2	1	1	2
Calcium salts	4	4	4	4	1	1	1	1
Calcium sulphide	3	3	2	2	1	1	1	1
Caliche liquors	4	4	4	4	1	1	1	1
Cane sugar liquors	4	2	1	1	1	1	1	1
Carbon acid	3	3	1	2	2	1	1	1
Carbon bisulphide	4	4	4	4	3	3	1	3
Carbon dioxide	1	2	1	1	1	1	1	1
Carbon disulfide	2	2	2	2	3	3	1	3
Carbon monoxide	1	1	1	1	1	1	1	2
Carbon tetrachloride	2	3	1	3	2	3	1	3
Castor oil	1	1	1	1	1	2	1	1
Cellulube (now fyrquel)	4	4	4	4	3	1	1	3
China wood oil (Tung oil)	2	2	1	1	1	3	1	2
Chlorinated salt brine	4	4	4	4	3	3	1	3
Chlorinated solvents	4	4	4	4	3	3	1	3
Chlorobenzene	3	3	2	3	3	3	1	3
Chlorobutadiene	4	4	4	4	1	1	1	1
Chloroform	3	2	2	1	3	3	1	3
Chlorophenol	4	4	4	4	3	3	1	3
Coconut oil	4	4	4	4	1	3	1	3
Copper chloride	4	4	4	4	1	1	1	2
Copper salts	4	4	4	4	1	1	1	1

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Media	Body Material				Seal Material			
	Brass	Steel	AISI 316	AISI 303	NBR	EPDM	FKM	CR
Copper sulphate	3	3	2	3	1	1	1	1
Corn oil	2	1	1	1	1	3	1	3
Cottonseed oil	3	2	1	2	1	3	1	3
Creosols	3	2	1	2	3	3	1	3
Creosote	3	3	2	1	1	3	1	2
Cresylic acid	4	2	1	2	3	3	1	3
Crude oil	3	2	1	1	2	3	1	3
Cutting oil	4	1	1	1	1	3	1	2
Decane	4	4	4	4	1	3	1	3
Denatured alcohol	4	4	4	4	1	1	1	1
Detergent (water solution)	3	3	1	1	1	1	1	2
Diesel fuel	1	1	1	1	1	3	1	3
Diethylene glycol	3	1	1	1	1	1	1	1
Dimethyl formamide	4	4	1	1	2	1	3	3
Dow chemical HD50-4	4	4	4	4	4	1	3	2
Dow corning 200, 510, 550	4	4	4	4	2	1	1	1
Dowtherm A, E	3	1	2	2	3	3	1	3
Ethanol	1	3	3	3	3	1	3	1
Ethyl chloride	2	3	1	3	1	3	1	3
Ethyl hexanol	4	4	4	4	1	1	1	1
Ethylene dichloride	3	3	1	2	3	3	1	3
Ethylene glycol	2	2	1	2	1	1	1	1
Fatty acids	3	3	1	2	2	3	1	2
Freon 11	1	4	4	4	2	3	2	3
Freon 12	1	1	3	1	2	3	1	1
Freon 22	1	3	1	3	3	3	3	1
Freon 134a	1	1	1	1	2	1	4	1
Fuel oil	3	1	1	1	1	3	1	2
Gallic acid	3	3	2	2	2	2	1	2
Gas, liquid, propane (LPG)	1	3	1	1	1	3	1	2
Gas, natural	2	3	1	1	1	3	1	1
Gasoline / petrol	1	2	1	1	3	3	1	3
Gelatine	3	3	1	1	1	1	1	1
Glucose	1	1	1	1	1	1	1	1
Glycerine (glycerol)	2	1	1	1	1	1	1	1
Glycols	3	2	2	2	1	1	3	1
Green sulphate liquor	3	3	3	3	2	1	1	2
Gulf – FR fluid emulsion	4	4	4	4	1	3	1	2
Gulf – FR fluid G	4	4	4	4	1	1	1	1
Gulf – FR fluid P	4	4	4	4	3	2	2	3
Helium	1	1	1	1	1	1	1	1
Heptane	1	1	1	1	1	3	1	2
Hydraulic oil (petroleum base)	1	1	1	1	1	3	1	1
Hydraulic oil (water base)	4	1	1	1	2	1	3	2
Hydrazine	4	3	1	1	2	1	3	2
Hydrogen gas	2	2	1	1	1	1	1	1
Hydrolube	4	4	4	4	1	1	1	2
Iso octane	1	1	1	1	1	3	1	2
Isobutyl alcohol	4	4	1	1	2	1	1	1
Isopropyl alcohol	1	1	2	1	2	1	1	2
Isopropyl ether	1	1	1	1	2	3	3	3
JP3 and JP4	1	1	1	1	1	3	1	3
Kerosene	1	1	1	1	1	3	1	2
Lard (animal fat)	1	1	1	1	1	2	1	2
Linseed oil	3	1	1	1	1	3	1	3
Lubricating oil SAE 10, 20, 30, 40,50	1	1	1	1	1	3	1	2
Magnesium salts	4	4	4	4	1	1	1	1
Magnesium sulphate	3	3	2	2	1	1	1	1
Mercury	3	3	1	1	1	1	1	1
Methane	1	3	1	1	1	3	1	2
Methanol	1	1	1	1	1	1	3	1
Methyl bromide	4	1	1	1	2	3	1	1
Methyl chloride (dry)	2	3	1	1	3	3	1	3

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Media	Body Material				Seal Material			
	Brass	Steel	AISI316	AISI303	NBR	EPDM	FKM	CR
Methyl chloride (wet)	1	3	1	3	3	3	1	3
Methyl ether	4	4	4	4	1	3	1	3
Methyl ethyl ketone (MEK)	1	1	1	1	3	1	3	3
MIL-F81912 (JP-9)	1	1	1	1	3	3	1	3
MIL-H-5606	1	1	1	1	1	3	1	2
MIL-H-6083	1	1	1	1	1	3	1	1
MIL-H-7083	1	1	1	1	1	1	2	2
MIL-H-8446 (MLO-8515)	2	1	1	1	2	3	1	1
Milk	2	1	1	1	1	1	1	1
MIL-L-2104 & 2104B	1	1	1	1	1	3	1	2
MIL-L-7808	3	2	1	1	2	3	1	3
Mineral oils	1	1	1	1	1	3	1	2
MLO-7277 and MLO-7557	2	1	1	1	3	3	1	3
Mobile HF	1	1	1	1	1	3	1	2
Monomethyl hydrazine	4	4	4	4	2	1	4	2
Naphtha (coal or petroleum)	2	1	2	2	2	3	1	3
Naphthalene	2	1	2	2	3	3	1	3
Naphthenic acid	2	1	2	2	2	3	1	3
Neatsfoot oil	4	4	4	4	1	2	1	3
Nickel acetate	3	2	1	1	2	1	3	2
Nickel chloride	3	3	2	2	1	1	1	2
Nickel salts	4	4	4	4	1	1	1	2
Nickel sulphate	3	3	1	1	1	1	1	1
Nitrogen	1	1	1	1	1	1	1	1
Nitrous oxide	2	2	2	1	1	4	4	4
Octyl alcohol	1	1	1	1	2	3	1	2
Olive oil	2	1	1	1	1	2	1	2
Ortho-dichlorobenzene	2	2	2	2	3	3	1	3
Oxalic acid	3	3	2	1	2	1	1	2
Oxygen (100-200 °C)	1	1	1	1	3	3	2	3
Oxygen (cold)	1	1	1	1	2	1	1	1
Ozone	3	3	1	1	3	1	1	3
Palmitic acid	1	2	1	1	1	2	1	2
Para-dichlorobenzene	2	1	1	2	3	3	1	3
Parker O-Lube	1	1	1	1	1	3	1	1
Peanut oil	2	1	1	1	1	3	1	3
Pentane (2-3 methyl & 2-4 dimethyl)	2	2	2	2	1	3	1	2
Perchloric acid - 2N	3	3	2	2	3	2	1	2
Perchloroethylene	3	2	2	2	2	3	1	3
Petrolatum	1	1	1	1	1	3	1	2
Petroleum oil (below 120 °C)	1	1	1	1	1	3	1	2
Phenol	1	1	1	1	3	3	1	3
Phosphoric acid (3 molar)	3	3	2	2	1	1	1	2
Phosphoric acid (concentrated)	3	3	2	2	3	1	1	3
Phosphorous trichloride	3	3	1	1	3	1	1	3
Picric acid (molten)	3	3	2	2	2	2	1	2
Picric acid (water solution)	3	3	2	2	1	1	1	1
Pine oil	2	2	1	2	1	3	1	3
Plating solutions (chrome)	1	3	1	1	4	1	1	3
Plating solutions (other)	4	1	1	1	1	1	1	3
Pneumatic Service	1	1	1	1	1	1	1	1
Potassium acetate	2	1	2	2	2	1	3	2
Potassium chloride	3	3	1	2	1	1	1	1
Potassium cyanide	3	2	2	2	1	1	1	1
Potassium dichromate	3	1	2	2	1	1	1	1
Potassium hydroxide (50%)	3	2	1	2	2	1	3	2
Potassium nitrate	2	1	1	1	1	1	1	1
Potassium salts	4	4	4	4	1	1	1	1
Potassium sulphate	3	2	1	1	1	1	1	1
PRL - high temp. hydr. Oil	4	4	4	4	2	3	1	2
Producer gas	2	1	1	1	1	3	1	2
Propane	1	3	1	1	1	3	1	2
Propyl acetate	3	1	1	1	3	2	3	3

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FLUID COMPATIBILITY CHART IN ALPHABETICAL ORDER

Media	Body Material				Seal Material			
	Brass	Steel	AISI 316	AISI 303	NBR	EPDM	FKM	CR
Propyl alcohol	1	1	1	1	1	1	1	1
Propylene	1	1	1	1	3	3	1	3
Pydraul (3 series)	3	1	1	1	3	1	1	3
Pydraul 10E	3	1	1	1	3	1	3	3
Pydraul A-200 (C series)	3	1	1	1	3	3	1	3
Pyrogard 42, 43, 53, 55 (phosphate ester)	4	4	4	4	3	1	1	3
Pyrogard D	4	4	4	4	1	3	3	2
Sea water (salt water)	2	3	1	1	1	1	1	2
Shell irus 905	4	4	4	4	1	3	1	2
Silicone greases	1	1	1	1	1	1	1	1
Silver nitrate	3	3	1	2	2	1	1	1
Skydrol 500 (type 2)	3	1	1	1	3	1	3	3
Skydrol 7000 (type 2)	3	1	1	1	3	1	2	3
Soap solutions	3	3	1	1	1	1	1	2
Sodium acetate	1	1	1	1	2	1	3	2
Sodium bicarbonate	2	2	1	1	1	1	1	1
Sodium bisulphate or bisulphite	3	3	2	1	1	1	1	1
Sodium borate	3	2	2	2	1	1	1	1
Sodium carbonate	4	1	1	1	1	1	1	1
Sodium chloride	3	2	2	2	1	1	1	1
Sodium cyanide	3	1	1	1	1	1	4	1
Sodium hydroxide	3	2	1	2	2	1	2	2
Sodium hydroxide (50%)	3	3	1	2	2	1	2	2
Sodium metaphosphate	2	1	2	2	1	1	1	2
Sodium nitrate	3	2	1	1	2	1	4	2
Sodium perborate	3	3	1	1	2	1	1	2
Sodium peroxide	3	1	2	2	2	1	1	2
Sodium phosphates	1	3	2	1	1	1	1	2
Sodium salts	4	4	4	4	1	1	1	2
Sodium sulphate	3	2	1	1	1	1	1	1
Sodium sulphite & sulphide	3	3	2	3	1	1	1	1
Sodium thiosulphate	3	3	1	2	2	1	1	1
Soybean oil	2	1	1	1	1	3	1	3
Stannous chloride (15 %)	3	3	2	3	3	1	3	3
Steam (below 200 °C)	1	3	1	1	1	2	1	1
Stoddard solvents	2	1	1	1	1	3	1	2
Sucrose solutions	1	1	1	1	1	1	1	2
Sulphur	2	1	1	1	3	1	1	1
Sulphur (molten)	3	3	1	1	3	3	1	3
Sulphur dioxide (dry)	3	1	1	3	3	1	3	3
Sulphur liquors	1	1	1	1	2	2	1	2
Sulphur trioxide (dry)	2	2	2	3	2	2	1	3
Sunsafe	3	1	1	1	1	3	1	2
Tannic acid (10%)	1	3	2	3	1	1	1	2
Tar (bituminous)	2	1	1	1	2	3	1	3
Tartaric acid	2	3	3	2	1	2	1	2
Terpineol	4	4	4	4	2	3	1	3
Tertiary butyl alcohol	1	1	1	1	2	2	1	2
Tetrachloroethane	4	2	1	2	3	3	1	3
Tetrachloroethylene	3	2	2	4	3	3	1	3
Tetraethyl lead	1	1	1	1	2	3	1	2
Tetraethyl lead (blend)	1	1	1	1	2	3	1	3
Titanium tetrachloride	2	1	2	3	2	3	1	3
Toluene	1	1	1	1	3	3	1	3
Transformer oil	1	1	1	1	1	3	1	2
Transmission fluid (type A)	1	1	1	1	1	3	1	2
Trichloroethane	4	2	1	4	3	3	1	3
Trichloroethylene	3	2	2	2	3	3	1	3
Tricresyl phosphate	4	1	2	2	3	1	2	3
Turbine oil #15 (MIL-L-7808A)	4	2	1	1	2	3	1	3
Turpentine	3	2	1	1	1	3	1	3
Varnish	1	1	1	1	2	3	1	3
Water	1	3	1	1	1	1	2	2

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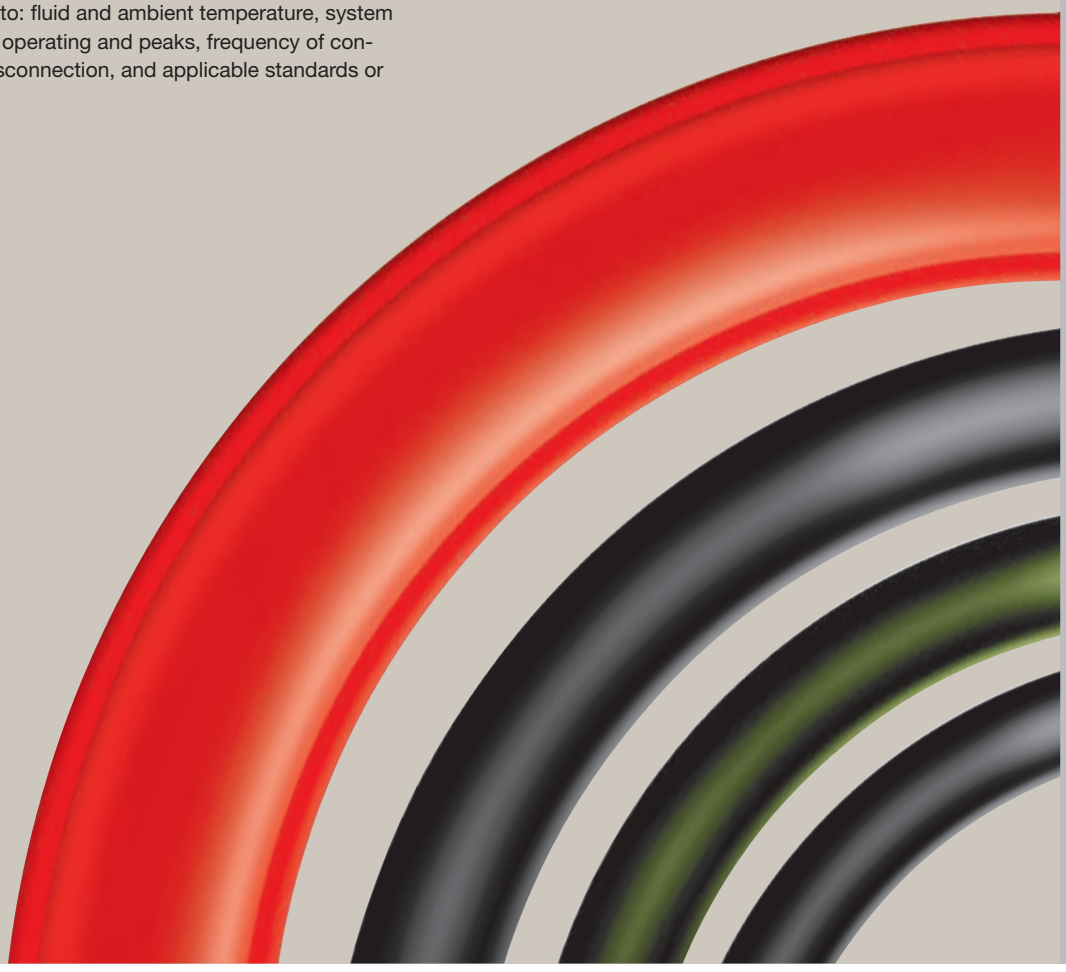
Media	Body Material				Seal Material			
	Brass	Steel	AISI316	AISI303	NBR	EPDM	FKM	CR
Whiskey	1	3	1	1	1	1	1	1
Wine	1	3	1	1	1	1	1	1
Wood oil	4	2	1	1	3	3	1	2
Xylene	1	2	1	1	3	3	1	3
Zinc sulphate	3	3	2	2	1	1	1	1

Note: This chart is intended as a guide only and is not to be considered as a recommendation to use Parker quick couplings in a specific application or with a specific fluid. Other factors that must be considered include but are not limited to: fluid and ambient temperature, system pressure, both operating and peaks, frequency of connection and disconnection, and applicable standards or regulations.



SAFETY GUIDE FOR SELECTING AND USING QUICK CONNECT COUPLINGS AND RELATED ACCESSORIES

DANGER: failure or improper selection or improper use of quick connect couplings or related accessories can cause death, personal injury and property damage. Possible consequences of failure or improper selection or improper use of quick connect couplings or related accessories include but are not limited to:

- Couplings or parts thrown off at high speed
- High velocity fluid discharge
- Contact with suddenly moving or falling objects that are to be held in position or moved by the conveyed fluid
- Dangerously whipping hose
- Explosion or burning of the conveyed fluid
- Contact with conveyed fluids that may be hot, cold, toxic, or otherwise injurious
- Sparking or explosion while paint or flammable liquid spraying

Before selecting or using any connect couplings or related accessories, it is important that you read and follow the following instructions.

1.0 GENERAL INSTRUCTIONS

1.1 Scope: this catalogue provides instructions for selecting and using (including installing connecting, disconnecting, and maintaining) quick connect couplings and related accessories (including caps, plugs, hoses, blow guns). This safety instruction is a supplement to and is to be used with the specific Parker publications for the specific quick connect couplings and related accessories that are being considered for use.

1.2 Fail-Safe: quick connect couplings or the hose they are attached to can fail without warning for many reasons. Design all systems and equipment in a fail-safe mode, so that failure of the quick connect coupling or hose will not endanger persons or property.

1.3 Distribution: provide a copy of this safety guide to each person who is responsible for selecting or using quick connect coupling products. Do not select or use quick connect couplings without thoroughly reading and understanding this safety guide as well as the specific Parker publications for the products considered or selected.

1.4 User responsibility: due to the wide variety of operating conditions and uses for quick connect couplings, Parker RectusTema and its distributors do not represent or warrant that any particular coupling system is suitable for any specific end use system. This safety instructions do not analyse all technical parameters that must be considered in selecting a product. The user, through its own analysis and testing, is solely responsible for:

- Making the final selection of the quick connect couplings.
- Assuring that the user's requirements are met and that the use presents no health or safety hazards.
- Providing all appropriate health and safety warnings on the equipment on which the quick connect couplings are used.

1.5 Additional questions: call the appropriate Parker customer service department if you have any questions or require any additional information. For the telephone numbers of the appropriate customer service department, see the Parker publication for the product being considered or used.

2.0 SELECTION INSTRUCTIONS

2.1 Pressure: quick connect couplings selection must be made so that the published rated pressure of the coupling is equal to or greater than the maximum system pressure. Pressure surges in the system higher than the rated pressure of the coupling will shorten the quick connect coupling's life. Do not confuse burst pressure or other pressure values with rated pressure and do not use burst pressure or other pressure values for this purpose. Couplings greater than DN 25 operating with pressure above 10 bar are restricted to be used with liquid fluids group 2 acc to PED 2014/68/EU. Couplings used with gases of fluid group 2 must consider PED 2014/68/EU if used with Nominal Diameter greater than DN 32 and are limited to a product of PS x DN greater than 1000 bar. For fluids Group 1 please see catalogue "Snap-tite H, IH,& PH Series", (LEAF/3800-H Series/UK).

2.2 Fluid compatibility: quick connect couplings selection must assure compatibility of the body and seal materials with the fluid media used. See the fluid compatibility chart. See also 2.1 above.

2.3 Temperature: be certain that fluid and ambient temperatures, both steady and transient, do not exceed the limitations of the quick connect couplings. Use caution and hand protection when connecting or disconnecting quick connect couplings that are heated or cooled by the media they are conducting or by their environment.

2.4 Size: transmission or power by means of pressurised liquid varies with pressure and rate of flow. The size of the quick connect couplings and other components of the system must be adequate to keep pressure losses to a minimum and avoid damage due to heat generation or excessive fluid velocity.

2.5 Pressurised connection or disconnection: if connecting or disconnecting under pressure is a requirement, use only quick connect couplings designed for that purpose. The rated operating pressure of a quick connect coupling may not be the pressure at which it may be safely connected or disconnected.

2.6 Environment: care must be taken to ensure that quick connect couplings are either compatible with or protected from the environment (that is, surrounding conditions) to which they are exposed. Environmental conditions including but not limited to ultraviolet radiation, ozone, moisture, water, salt water, chemicals, and air pollutants can cause degradation and premature failure.

2.7 Locking means: ball locking quick connect couplings can unintentionally disconnect if they are dragged over obstructions on the end of a hose or if the sleeve is bumped or moved enough to cause disconnection. Sleeves designed with flanges to provide better gripping for oily or gloved hands are especially susceptible to accidental disconnection and should not be used where these conditions exist. Sleeve lock or union (threaded) sleeve designs should be considered where there is a potential for accidental uncoupling.
2.8 Mechanical loads: external forces can significantly reduce quick connect couplings' life or cause failure. Mechanical loads which must be considered include excessive tensile or side loads and vibration. Unusual applications may require special testing prior to quick connect couplings selection.
2.9 Specifications and standards: when selecting quick connect couplings, government, industry and Parker specifications must be reviewed and followed as applicable.
2.10 Vacuum: not all quick connect couplings are suitable or recommended for vacuum service. Quick connect couplings used for vacuum applications must be selected to ensure that the quick connect couplings will withstand the vacuum and pressure of the system.
2.11 Fire resistant fluids: some fire resistant fluids require seals other than the standard NBR (nitrile) used in many coupling systems.
2.12 Radiant heat: quick connect couplings can be heated to destruction or loss of sealing without contact by such nearby items as hot manifolds or molten metal. The same heat source may then initiate a fire. This can occur despite the presence of cool air around the quick connect couplings.
2.13 Welding and brazing: heating of plated parts, including quick connect couplings and port adapters, above 450 °F (232 °C) such as during welding, brazing, or soldering may emit deadly gases and may cause coupling seal damage.

3.0 INSTALLATION INSTRUCTIONS
3.1 Pre-installation inspection: before installing a quick connect coupling, visually inspect it and check for correct style, body material, seal material, and catalogue number. Before final installation, coupling halves should be connected and disconnected with a sample of the mating half with which they will be used.
3.2 Quick connect coupling halves from other manufacturers: if a quick connect coupling assembly is made up of one Parker RectusTema half and one half from another manufacturer, the lowest pressure rating of the two halves should not be exceeded.
3.3 Fitting installation: use a thread sealant, when assembling taper pipe thread joints in quick connect couplings. Be sure the sealant is compatible with the system fluid or gas. To avoid system contamination, use a liquid or paste type sealant rather than a tape style. Use the flats provided to hold the quick connect coupling when installing fittings. Do not use pipe wrenches or a vice on other parts of the coupling to hold it when installing or a removing fittings as damage or loosening of threaded joints in the coupling assembly could result. Do not apply excessive torque to taper pipe threads because cracking or splitting of the female component can result.
3.4 Caps and plugs: use dust caps and plugs when quick connect couplings are not coupled to exclude dirt and contamination and to protect critical surfaces from damage.
3.5 Coupling location: locate quick connect couplings where they can be reached for connection or disconnection without exposing the operator to slipping, falling, getting sprayed or coming in contact with hot or moving parts.
3.6 Hose whips: use a hose whip (a short length of hose between the tool and the coupling half) instead of rigidly mounting a coupling half on hand tools or other devices. This reduces the potential for coupling damage if the tool is dropped and provides some isolation from mechanical vibration which could cause uncoupling.

4.0 MAINTENANCE INSTRUCTIONS
4.1 Even with proper selection and installation, quick connect coupling life may be significantly reduced without a continuing maintenance program. Frequency should be determined by the severity of the application and risk potential. A maintenance program must be established and followed by the user and must include the following as a minimum:
4.2 Visual inspection of quick connect couplings: any of the following conditions require immediate shut down and replacement of the quick connect coupling:
• Cracked, damaged, or corroded quick connect couplings parts.
• Leaks at the fitting, valve or mating seal.
• Broken coupling mounting hardware, especially breakaway clamps.
4.3 Visual inspection all other:
• Leaking seals or port connections.
• Excess dirt build-up on the coupling locking means or on the interface area of either coupling half.
• Defective clamps, guards, and shields.
• System fluid level, fluid type and any entrapment.
4.4 Functional test: operate the system at maximum operating pressure and check for possible malfunctions and freedom from leaks. Personnel must avoid potential hazardous areas while testing and using the system.
4.5 Replacement intervals: specific replacement intervals must be considered based on previous service life, government or industry recommendations, or when failures could result in unacceptable downtime, damage or injury risk. See instruction 1.2 above.

We are Developing a Cool Solution!

Quick connect coupling system – efficient components in the area of thermal management

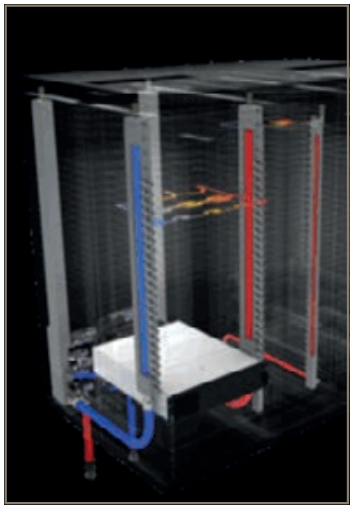
"Plug & Play" - Customized Systems

We offer engineering support to our customers for the co-development of the complete cooling installation. A special care is accorded to the pressure drop for energy saving and to assure the optimal temperature management.

We propose a complete 100% tested solution integrating our products, between the chiller to the component to be cooled.

Our solutions include:

- **Manifolds** – several materials available
- **Couplings or cartridges** – from 3mm ID to 25 mm ID available in different materials and seals
- **Hose assemblies** – including Push-lok (hose barb) end connections for an optimal number of components
- **Bleeding valves, flow regulators, etc.**
- **Pressure and flow sensors**
- **Others...**



Our support:

- **Co-design of your cooling system**
- **Mechanical, thermal & flow simulation**
- **Building sample & prototype**
- **Laboratory validation**
- **Tightness test 100% serial parts**
- **Packaging optimization**

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Information Technologies

Processors (microprocessors) generate waste heat during operation. This results in overheating of the unit, which can cause malfunction even to the point of destruction of components.

A cooling system is then mandatory to guarantee the rapid dissipation of the waste heat.

Small dissipation areas and high temperatures demand optimized and highly efficient solutions.
As water is 10 times more efficient than air, we provide support to our customers to build complete systems for water cooling for high performance computers, data Centers, microelectronics and telecomunication applications.

Energy Management

Our knowledge in the use of quick connect couplings in the area of solar and wind energy allows the development of bespoke solutions for everything to do with the subject of efficient cooling circuits. For example, intelligent solutions are vital because of the constantly improving performance of the new generation of energy production plants based on high-performance cooling circuits with liquid.

Here, our systems are optimally geared to the parameters of pressure, flow and temperature. As the systems are often used in salty sea air, corrosion-resistant materials are essential.

Mobile & Transportation

Rapidly increasing flows of goods and further increases in mobility demand extremely reliable and efficient vehicle concepts.

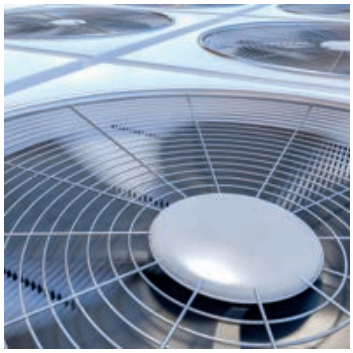
Here, the cooling of diesel-powered and electrically driven rail vehicles is highly important, and we provide light weight couplings and connection products adapted to this application. More recently the environmental care drives more and more to the usage of electrical vehicles and ships.
Our products are part of the systems built for the liquid cooling of the batteries.

Industrial Applications

From the individual machine to production lines and high-performance lasers, cooling is present in different industries.

Quick connect couplings are used in liquid cooling systems both for cooling tools in the production process and for the machine itself.

Therefore, Parker provides solutions for liquid cooling and tempering for all types of industries, as semiconductors, laser projectors, plastic industry, electronics (inverters, converters), etc.



Others

Based on more than 60 years experience, our products are designed to operate for all kind of thermal management applications. We will be happy to support for the development of your system whatever would be the sector of industry and design the future together.

Please consider our security advices on the pages 14/15

Nominal Diameter
3/6/9/12

Parker Series
NSI

Applications Area

Technical Description
The NSI are dry-break couplings with flat face valves. The compact design makes them suitable for reduced spaces. Coupling system with two-hand operation, i.e. both hands are required when connecting/ disconnecting.

Push to connect version available on request: NSP series

Working Temperature
-20°C up to +200°C (FKM) depending on the medium. Other seals materials are available on request.

Advantages
- No spillage during connection/disconnection
- Low pressure drop
- Advanced internal design for cooling applications
- Can be used either with water or heat transfer oils
- Excellent resistance to vibrations and mechanical stresses

Dry-Break

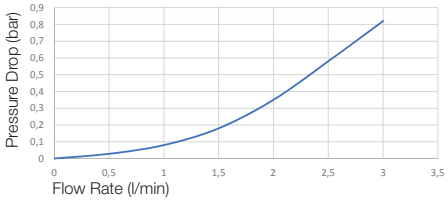
Max. Working Pressure*
20 bar
* maximum static working pressure with design factor 4 to 1.

Material
Coupling: Brass/Stainless Steel
Plug: Brass/Stainless Steel
Seals: FKM or EPDM
Other materials available on request.

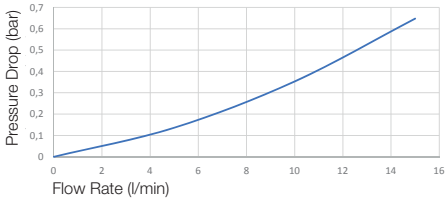
Applications
- Molding
- Electronic cabinets
- Laser
- Converters
- Radar, etc.
- Computers and telecommunications

Flow diagrams

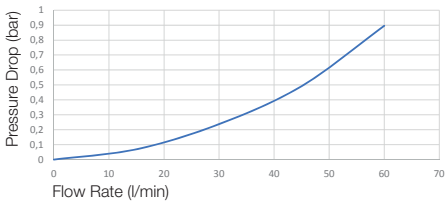
Water NSI Ø3 water



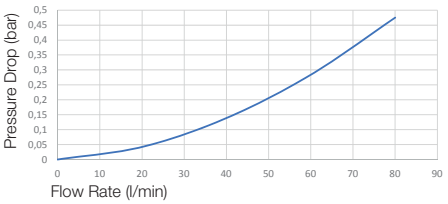
Water NSI Ø6 water



Water NSI Ø9 (water)



Water NSI Ø12 water



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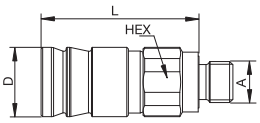
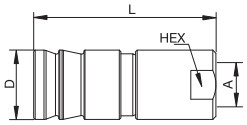
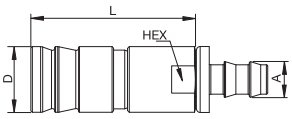
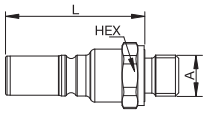
Couplings — Series NSI

	DN	Connection A	HEX mm	L mm	D mm	Part Number
 Male Thread	3	G 1/8	14	38	17	NSI-121-2MBE [1]
	6	M 16 x 1,5	20	44,8	22	NSI-251-16MCL-2 [2]
	9	G 3/8	27	63	30	NSI-371-6MBO
	12	G 1/2	35	90,4	42	NSI-501-8MBO
 Female Thread	6	G 1/4	20	57,9	22	NSI-251-4FB
	9	G 3/8	27	72	30	NSI-371-6FB
	12	G 1/2	35	99,4	42	NSI-501-8FB
 Parker Push-Lok	6	10 mm	20	55,2	22	NSI-251-6PL

Plugs — Series NSI

	DN	Connection A	HEX mm	L mm	D mm	Part Number
 Male Thread	3	G 1/8	14	36,5		NSI-122-2MBE [1]
	6	G 1/4	19	44		NSI-252-4MBE-2
	9	G 3/8	24	60,2		NSI-372-6MBO
	12	G 1/2	32	79,1		NSI-502-8MBO

[1] End connection according to ISO1179-2 ED seal
[2] End connection according to DIN 2353 24°cone

Please consider our security advices on the pages 14/15

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Nominal Diameter
16/19/25

Parker Series
NSE

Applications Area

Technical Description
The NSE are dry-break couplings with flat face valves. The compact design makes them suitable for reduced spaces when high flow is needed. Coupling system with two-hand operation, i.e. both hands are required when connecting/disconnecting.

Working Temperature
-20°C up to +200°C (FKM)
depending on the medium.

Other seals materials are available on request.

Screw to connect version available on request (easy connection under residual pressure).

Advantages
- High flow with low pressure drop
- No spillage during connection/disconnection
- Specific design for cooling applications
- Reduced dimensions compared to flow capacities

Dry-Break

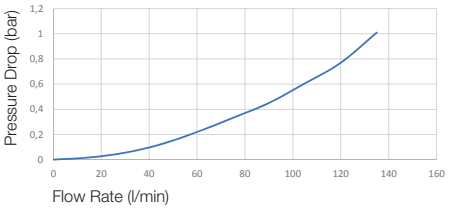
Max. Working Pressure*
15 bar
* maximum static working pressure with safety factor 4 to 1.

Material
Coupling: Stainless Steel
Plug: Stainless Steel
Seals: FKM

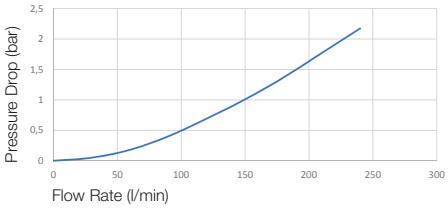
Applications
- Molding
- Electronic cabinets
- Laser
- Converters
- Radar, etc.

Flow diagrams

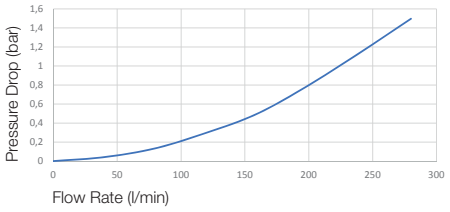
Water NSE Ø16 Water



Water NSE Ø19 Water



Water NSE Ø25 Water



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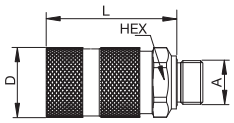
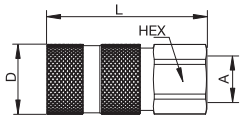
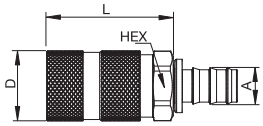
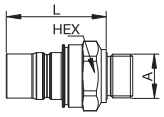
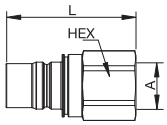
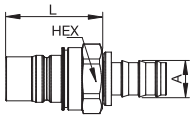
Couplings — Series NSE

	DN	Connection A	HEX mm	L mm	D mm	Part Number
 Male Thread	16	G 3/4	34	68,8	37	NSE-621-12MBO
	19	G 3/4	38	78,5	42	NSE-751-12MBO
 Female Thread	19	G 1	38	96,6	42	NSE-751-16FB
	25	G 1 1/4	50	120,5	53	NSE-1001-20FB
 Parker Push-Lok	19	12,5 mm	38	76,4	42	NSE-751-8PL
	19	19 mm	38	76,4	42	NSE-751-12PL

Plugs — Series NSE

	DN	Connection A	HEX mm	L mm	D mm	Part Number
 Male Thread	16	G 3/4	34	56,5		NSE-622-12MBO
	19	G 3/4	38	60,3		NSE-752-12MBO
 Female Thread	19	G 1	38	78,4		NSE-752-16FB
	25	G 1 1/4	50	96,8		NSE-1002-20FB
 Parker Push-Lok	19	12 mm	38	58,2		NSE-752-8PL
	19	19 mm	38	58,2		NSE-752-12PL

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Nominal Diameter

6/8/10/12/19/25

Parker Series

NSA

Applications Area

Technical Description
Minimal fluid loss during disconnection. NSA couplings have minimal pressure drop and no inclusion of air or dust during connection.

Working Temperature
-50°C up to +175°C (Fluorosilicone) depending on the medium.

Other seals materials are available on request.

Advantages
- No spillage during connection/disconnection
- Light weight due to aluminium construction
- Push-Lok connection for fast assembly

Dry-Break

Max. Working Pressure

20 bar

Material

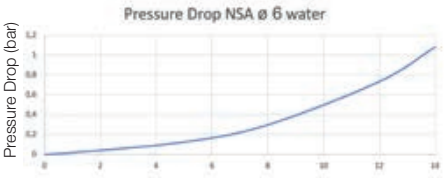
Coupling:	Anodized Aluminium
Plug:	Anodized Aluminium
Seals:	Fluorosilicone

Applications

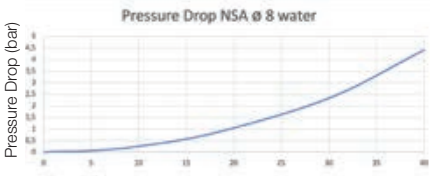
- Cooling of onboard electronic equipment, engines and batteries
- Cooling of converters, data centers, military equipment and medical imaging equipment

Flow diagrams

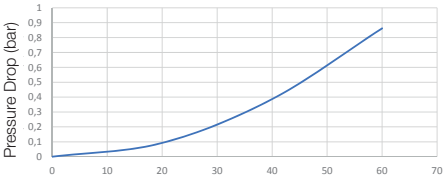
Water



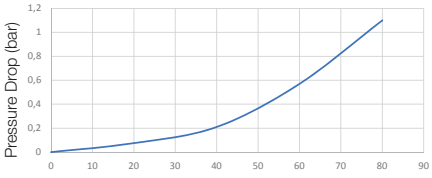
Water



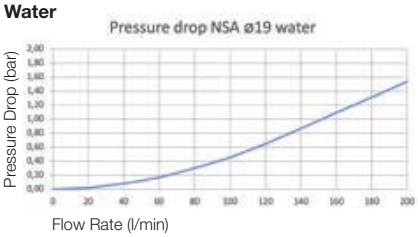
Water



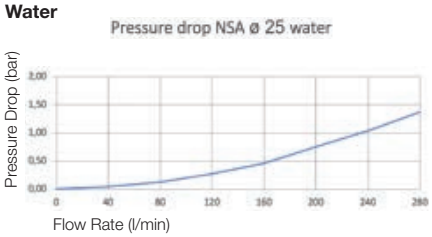
Water



Water



Water



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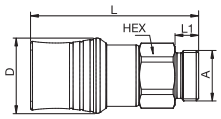
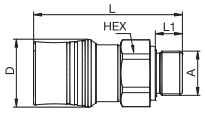
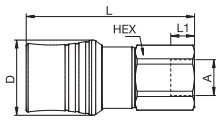
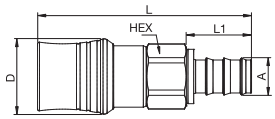
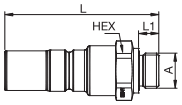
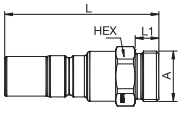
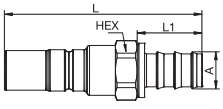
Couplings — Series NSA

	DN	Connection A	HEX mm	L mm	L1 mm	D mm	Weight gr.	Part Number
 Male Thread metric DIN 2353	12	M 30 x 1,5	35	99,4	14	44,5	231	NSA-501-30MCL
 Male Thread BSPP	6	G 1/2	27	55,5	14	25	48	NSA-251-8MBO
	8	G 3/4	32	62,5	16	31	77	NSA-331-12MBO
	10	G 1/2	35	91,6	14	40	157	NSA-391-8MBO
	19	G 3/4	38	87,5	16	48	182	NSA-751-12MBO
	25	G 1	47	99,6	18	58	300	NSA-1001-16MBE
 Female Thread BSPP	12	G 1/2	35	99,4	14	44,5	249	NSA-501-8FB
 Parker Push-Lok	12	19 mm	35	126,40	38,30	44,5	239	NSA-501-12PL
	29	19 mm	38	96,4	27	48	179	NSA-751-19HB
	25	32 mm	47	123,5	38	58	302	NSA-1001-32HB

Plugs — Series NSA

	DN	Connection A	HEX mm	L mm	L1 mm	D mm	Weight gr.	Part Number
 Male Thread BSPP with O-ring Seal	6	G 1/4	20	45,5	12		16	NSA-252-4MBO
	8	G 3/8	24	54,3	12		33	NSA-332-6MBO
	10	G 1/2	27	81	12		67	NSA-392-8MBO
	12	G 1/2	32	91,1	12		88	NSA-502-8MBO
	19	G 3/4	38	76,3	16		96	NSA-752-12MBO
	25	G 1	47	85,5	18		155	NSA-1002-16MBE
 Male Thread Metric	12	M 30 x 2	32	91,1	14		93	NSA-502-30MCL
 Parker Push-Lok	12	19 mm	32	117,1	38,3		97	NSA-502-12PL

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Body Size

1/4" up to 1"

ISO A-Profile

6600-Series

Technical Description
The couplings of the 6600 series meet the requirements and dimensions of the ISO 7241-1 A standard.

Advantages
NBR seals and back-up ring in PTFE to withstand flow surges at high flow rates. Single acting sleeve. Connection and disconnection are possible by pulling the sleeve. Poppet valving. Chrome 6 free plated steel.

Applications
- Used for a wide range of agricultural applications
- Mobile and construction equipment
- In-plant machinery including hydraulic power units and hand tools

Working Pressure

1/4"	350 bar
3/8"	280 bar
1/2"	280 bar
3/4"	280 bar
1"	280 bar

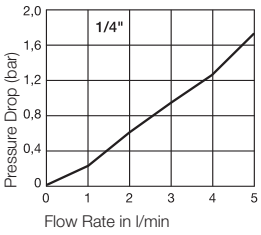
Working Temperature
-40°C up to +110°C (NBR) depending on the medium. Special seals are available on request (see page 6).

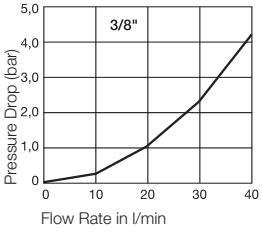
Material Coupling	Standard
Coupling Body	Steel
Sleeve	Steel
Back-up Ring	PTFE
Valve	Steel
Springs	Stainless Steel
Locking Balls	Steel
Seals	NBR
Valve Holder	Stainless Steel

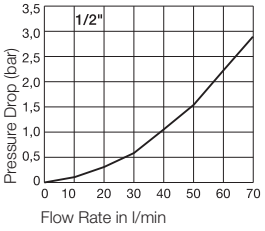
Material Plug	Standard
Plug Body	Steel
Valve	Steel
Springs	Stainless Steel
Seals	NBR
Valve Holder	Stainless Steel

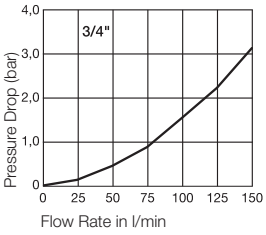
Applications Area

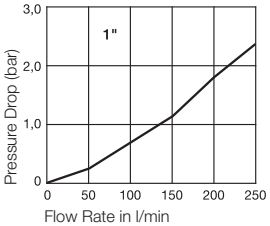
Flow Capacity with Oil with Viscosity of 43cSt at 38°C as per ISO 7241/2-2000



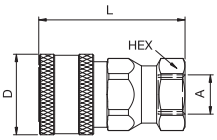








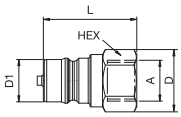
Couplings 6600-Series



Female BSPP Thread

Body Size	Connection A	Hex mm	L mm	D mm	D1 mm	Weight gr.	Max. Operating Pressure	Part Number
1/4"	1/4"	22	49	27		123	350 bar	6603-4-4
3/8"	3/8"	27	56	31,8		180	280 bar	6603-6-6
1/2"	1/2"	32	71	38,1		309	280 bar	6603-8-10
3/4"	3/4"	41	85,5	47,6		624	280 bar	6603-12-12
1"	1"	48	104	54		842	280 bar	6603-16-16

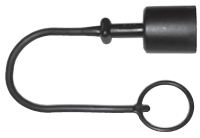
Plugs 6600-Series



Female BSPP Thread

Body Size	Connection A	Hex mm	L mm	D mm	D1 mm	Weight gr.	Max. Operating Pressure	Part Number
1/4"	1/4"	19	34,5	22	11,8	39	350 bar	6605-4-4
3/8"	3/8"	22	38,1	25,5	17,2	55	280 bar	6605-6-6
1/2"	1/2"	27	49,3	31	20,5	97	280 bar	6605-8-10
3/4"	3/4"	35	57,9	40,3	29	217	280 bar	6605-12-12
1"	1"	41	70,5	47,5	34,3	330	280 bar	6605-16-16

Dust Protection 6600-Series



Body Size	Version	Color	Part Number
1/4"	for coupling	Red	6659-4PL
3/8"	for coupling	Red	6659-6PL
1/2"	for coupling	Red	6659-8PL
3/4"	for coupling	Red	6659-12PL
1"	for coupling	Red	6659-16PL
1/4"	for plug	Red	6657-4PL
3/8"	for plug	Red	6657-6PL
1/2"	for plug	Red	6657-8PL
3/4"	for plug	Red	6657-12PL
1"	for plug	Red	6657-16PL

⚠ Please consider our security advices on the pages 14/15 ⚠

Body Size

3/8" and 1/2"

ISO A-Profile

2000-Series

Technical Description
Meets the requirements of ISO 7241-1-A. Modular construction: broad choice of end configurations (variety of threads - BSPP and metric). Two valve options: Poppet or ball valving. Push-Pull connection- / disconnection.

Advantages
Can be connected with other products complying with the same standard. NBR seals and back-up ring in PTFE to withstand flow surges at high flow rates. Double acting sleeve (Push-Pull). Ball or three-part poppet style valving with a molded shaped seal to prevent seal washout at high flow rates. Chrome 6 free plating.

Applications
- Used for a wide variety of agricultural applications
- Mobile and construction equipment
- Industrial equipment

Working Pressure
Poppet valve
3/8" 300 bar
1/2" 250 bar
Ball valving
1/2" 210 bar

Working Temperature
-25°C up to +110°C (NBR) depending on the medium.

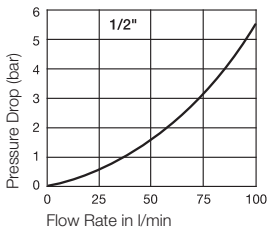
Applications Area

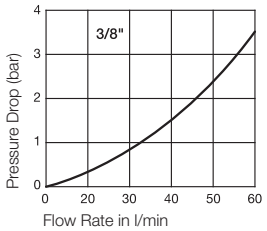
Material Coupling	Standard
Valve Body	Steel, silver plated
Sleeve	Steel, hardened, silver plated
Back-up Ring	Steel
Valve	Steel, silver plated
Springs	Steel
Locking Balls	Steel
Seals	NBR
Valve Holder	Steel
Back Body	Steel, silver plated

Material Plug	Standard
Plug Body	Steel hardened, silver plated
Valve	Steel, silver plated
Springs	Steel
Seals	NBR
Valve Holder	Steel, silver plated

Flow Capacity with Oil with Viscosity of 43cSt at 38°C as per ISO 7241/2-2000

Poppet Valving





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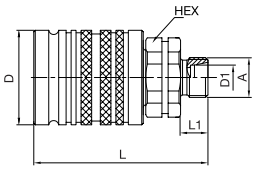
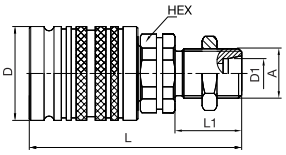
Couplings — 2000-Series



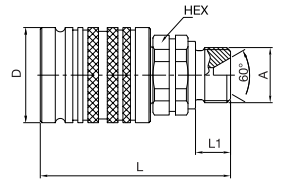
Male thread 24° cone – DIN 2353

Body Size	Connection A	Tube O/D D1/mm	Hex mm	L mm	L1 mm	D mm	Max. Operating Pressure in bar	Weight gr.	Version	Part Number
3/8"	M 14 x 1,5	8	22	62	12	32	315	194	Light	4V53D6X2-D
3/8"	M 16 x 1,5	10	22	62	12	32	315	196	Light	4V53D6X3-D
3/8"	M 18 x 1,5	10	22	62	12	32	315	201	Heavy	4V53D7X3-D
1/2"	M 14 x 1,5									Not continued
1/2"	M 16 x 1,5	10	27	73,5	12	38	250	286	Light	4V54D6X3-D
1/2"	M 18 x 1,5	12	27	73,5	12	38	250	288	Light	4V54D6X4-D
1/2"	M 22 x 1,5	15	27	75,5	14	38	250	290	Light	4V54D6X5-D
1/2"	M 26 x 1,5	18	27	75,5	14	38	250	294	Light	4V54D6X6-D
1/2"	M 18 x 1,5	10	27	73,5	12	38	250	289	Heavy	4V54D7X3-D
1/2"	M 24 x 1,5	16	27	75,5	14	38	250	295	Heavy	4V54D7X6-D



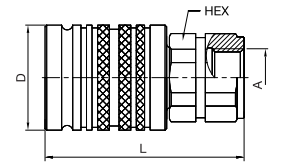
Male thread 24° cone – DIN 2353
Bulkhead

Body Size	Connection A	Tube O/D D1/mm	Hex mm	L mm	L1 mm	D mm	Max. Operating Pressure in bar	Weight gr.	Version	Part Number
3/8"	M 16 x 1,5	10	22	76	26	32	315		Light	4V53E6X3-D
1/2"	M 14 x 1,5	8	27	87	26	38	250	303	Light	4V54E6X2-D
1/2"	M 16 x 1,5	10	27	87	26	38	250	320	Light	4V54E6X3-D
1/2"	M 18 x 1,5	12	27	87	26	38	250	320	Light	4V54E6X4-D
1/2"	M 22 x 1,5	15	27	89	28	38	250	329	Light	4V54E6X5-D
1/2"	M 26 x 1,5	18	27	89	28	38	250	334	Light	4V54E6X6-D
1/2"	M 18 x 1,5									Not continued
1/2"	M 20 x 1,5	12	27	87	26	38	250	330	Heavy	4V54E7X4-D
1/2"	M 24 x 1,5	16	27	89	28	38	250	340	Heavy	4V54E7X6-D



Male thread BSPP – DIN 3852
Form B

Body Size	Connection A	Tube O/D D1/mm	Hex mm	L mm	L1 mm	D mm	Max. Operating Pressure in bar	Weight gr.	Version	Part Number
3/8"	3/8"		22	63	13	32	315			4V53F4B3-D
1/2"	3/8"		27	74,5	13	38	250	288		4V54F4B3-D
1/2"	1/2"		27	75,5	14	38	250	290		4V54F4B4-D

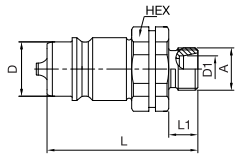
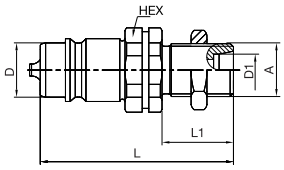
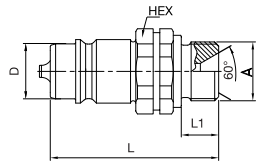
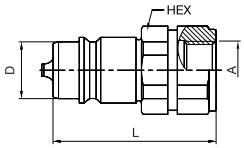


Female thread – DIN 3852
Form Y

Body Size	Connection A	Tube O/D D1/mm	Hex mm	L mm	L1 mm	D mm	Max. Operating Pressure in bar	Weight gr.	Version	Part Number
3/8"	3/8"		22	63		32	315			4V53G4X3-D
1/2"	3/8"		27	66		38	250	288		4V54G4X3-D
1/2"	1/2"		27	66		38	250	271		4V54G4X4-D
1/2"	1/2"									Not continued
1/2"	3/4"		32	68		38	250	315		4V54G4X6-D
1/2"	M 18 x 1,5		27	66		38	250	271		4V54G8X5-D
1/2"	M 22 x 1,5		27	66		38	250	271		4V54G8X6-D
1/2"	3/4 UNF		27	98	36,6	38	250			4V54T5X4-D
1/2"	7/8 UNF		27	101	40,1	38	250			4V54T5X5-D
1/2"	1/2" NPT									Not continued

⚠ Please consider our security advices on the pages 14/15 ⚠

Plugs — 2000-Series

	Body Size	Connection A	Tube O/D D1/mm	Hex mm	L mm	L1 mm	D mm	Max. Operating Pressure in bar	Weight gr.	Version	Part Number
 Male thread 24° cone – DIN 2353	3/8"	M 14 x 1,5									Not continued
	3/8"	M 16 x 1,5	10	27	52	12	17,3	315	101	Light	4V13D6X3-D
	3/8"	M 18 x 1,5									Not continued
	1/2"	M 14 x 1,5	8	27	58,5	12	20,5	250	109	Light	4V14D6X2-D
	1/2"	M 16 x 1,5	10	27	58,5	12	20,5	250	115	Light	4V14D6X3-D
	1/2"	M 18 x 1,5	12	27	58,5	12	20,5	250	118	Light	4V14D6X4-D
	1/2"	M 22 x 1,5	15	27	60,5	14	20,5	250	124	Light	4V14D6X5-D
	1/2"	M 26 x 1,5	18	27	60,5	14	20,5	250	126	Light	4V14D6X6-D
	1/2"	M 18 x 1,5	10	27	58,5	12	20,5	250	114	Heavy	4V14D7X3-D
	1/2"	M 24 x 1,5	16	27	60,5	14	20,5	250	125	Heavy	4V14D7X6-D
 Male thread 24° cone – DIN 2353 Bulkhead	3/8"	M 16 x 1,5	10	27	66	26	17,3	315		Light	4V13E6X3-D
	1/2"	M 14 x 1,5									Not continued
	1/2"	M 16 x 1,5	10	27	72	26	20,5	250	140	Light	4V14E6X3-D
	1/2"	M 18 x 1,5	12	27	72	26	20,5	250	140	Light	4V14E6X4-D
	1/2"	M 22 x 1,5	15	27	74	28	20,5	250	156	Light	4V14E6X5-D
	1/2"	M 26 x 1,5	18	27	74	28	20,5	250	173	Light	4V14E6X6-D
	1/2"	M 18 x 1,5	10	27	72	26	20,5	250	140	Heavy	4V14E7X3-D
	1/2"	M 20 x 1,5	12	27	72	26	20,5	250	158	Heavy	4V14E7X4-D
	1/2"	M 24 x 1,5	16	27	74	28	20,5	250	168	Heavy	4V14E7X6-D
 Male thread BSPP – DIN 3852 Form B	3/8"	3/8"		27	53	13	17,3	315	102		4V13F4B3-D
	1/2"	3/8"		27	59,5	13	20,5	250	113		4V14F4B3-D
	1/2"	1/2"		27	60,5	14	20,5	250	122		4V14F4B4-D
 Female thread – DIN 3852 Form Y	3/8"	3/8"		22	36,5		17,3	315	48		4V13G4X3-D
	1/2"	3/8"		27	61,5		20,5	250	149		4V14G4X3-D
	1/2"	1/2"		27	43,5		20,5	250	82		4V14G4X4-D
	1/2"	1/2"									Not continued
	1/2"	3/4"		32	63,5		20,5	250	192		4V14G4X6-D
	1/2"	M 18 x 1,5									Not continued
	1/2"	M 22 x 1,5		27	43,5		20,5	250	77		4V14G8X6-D
	1/2"	1/2" NPT									Not continued

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Dust Protection — 2000-Series

	Body Size	Version	Material	Color	Part Number
	3/8"	for coupling	Plastic	red	5025-3PR
	1/2"	for coupling	Plastic	see color code	5025-4P[1]
	3/8"	for plug	Plastic	red	5029-3PR
	1/2"	for plug	Plastic	see color code	5029-4P[1]
	1/2"	for coupling	Rubber	black	5205-4M
	1/2"	for plug	Rubber	black	5209-4M
	1/2"	for coupling	Steel		5005-4
	1/2"	for plug	Steel		5009-4

[1] Color code: B = blue/ G = green/ R = red/ O = orange/ Y = yellow/ BL = black

⚠ Please consider our security advices on the pages 14/15 ⚠

ISO A
ISO 7241-1
Series A

Body Size
1/2"

ISO A-Profile
RSD-Series

Technical Description
The RSD series has been manufactured according to the regulations and dimensions of the standard specification ISO 7241-1 A series and can be connected with other series complying with the same standard.

Advantages
Our one hand operated push-pull version serve to prevent leakage and destruction of the hydraulic hoses by automatical disconnection in case of accidental traction on the hose. The integrated detent system prevents circuit shut off in back-flow condition (> 240 l/min - direction male to female). The connection can be done under full system pressure in the plug.

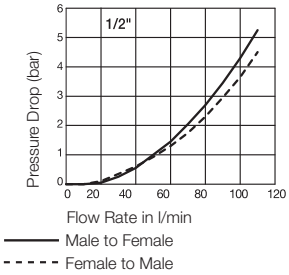
Working Pressure
See charts.

Working Temperature
-30°C up to +110°C (NBR) depending on the medium. Special seals are available on request (see page 6).

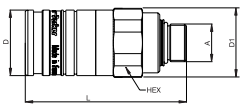
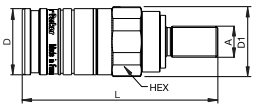
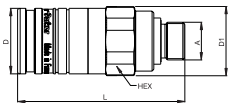
Applications Area

Material Coupling	Standard
Coupling Body	Chrome VI free Plated Steel
Sleeve	Chrome VI free Plated Steel
Valve	Chrome VI free Plated Steel
Springs	Steel
Locking Balls	Steel
Seals	Composite
Valve Holder	Composite

Flow Capacity with Oil with Viscosity of 43cSt at 38°C as per ISO 7241/2-2000



Couplings — RSD-Series

	Body Size	Connection A	Hex mm	L mm	D mm	D1 mm	Working Pressure in bar	Weight gr.	Version	Part Number
 Male Thread ISO 6149-2	1/2"	M 22 x 1,5	38	94,5	38	40	250	459		RSD-501-22MM-F
 Male thread 24° cone – DIN 2353 Bulkhead	1/2"	M 18 x 1,5	38	110	38	40	250	490	Light	RSD-501-18BMCL-F
	1/2"	M 22 x 1,5	38	110	38	40	250	510	Light	RSD-501-22BMCL-F
 Male Thread ISO 9974-2 with ED-Seal	1/2"	M 22 x 1,5	38	97,5	38	40	250	480		RSD-501-22MME-F

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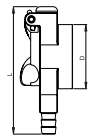
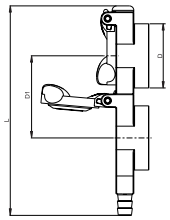
Dust Protection — RSD-Series

	Body Size	Version	L mm	D mm	D1 mm	Material	Color	Part Number
	1/2"	Single Dust Cap	85	43		PA6-6	Black	DCP-500[1]
	1/2"	Double Dust Cap	140	43	55	PA6-6	Black	DCP-555[1]
	1/2"	Double Dust Cap	157	43	72	PA6-6	Black	DCP-572[1]
	1/2"	Double Dust Cap	167	43	82	PA6-6	Black	DCP-582[1]

Colored Caps for Dust Protection — RSD-Series

	Body Size	Version	L mm	D mm	D1 mm	Material	Color	Part Number
						PA6-6	Red	9809-018-R
						PA6-6	Yellow	9809-018-J
						PA6-6	Black	9809-018-N
						PA6-6	Green	9809-018-V
						PA6-6	Blue	9809-018-B

[1] Colored caps are not included in the single and double dust caps but have to be ordered separately.

Seal-Kit — RSD-Series

	Body Size	Version	Material	Part Number
	1/2"	for RSD coupling	NBR	

⚠ Please consider our security advices on the pages 14/15 ⚠

Ball Locking
ISO Standard

ISO B
ISO 7241-1
Series B

Body Size
1/8" up to 2 1/2"

ISO B-Profile
60-Series

Medium Pressure

Technical Description
The 60 series plug profiles conform to ISO Standard 7241-1 series B and are compatible with other series complying with the same standard.

Advantages
A poppet with crimped seal assures a maximum sealing at low flow rates and prevents seal washout at high flow rates. A large number of locking balls distribute the work load evenly while providing alignment for the two parts of the coupling. Steel versions feature PTFE back-up ring which prevents seal damage for high pressure applications. Brass couplers have a double O-ring seal for redundancy in low pressure and vacuum applications.

Sleeve-Lock:
60 series couplers are available with safety locking sleeves. Please add the suffix **SL** to the part number, e.g. **H3-62-SL**.

Working Temperature
-40°C up to +110°C (NBR)
-20°C up to +200°C (FKM)
depending on the medium.
Special seals are available on request (see page 6).

Heavy Duty Nipples
Parker 60 series heavy duty nipples are recommended for extended life in applications where high cycle rates and pressure surges are encountered. Machined from high tensile steel and specially hardened.

To specify a heavy duty nipple, add the prefix **HD** to the steel series part number, thus: **HDH2-63**.

Applications
- Semiconductor industry, steel manufacturing
- Pneumatic and hydraulic hand tools
- Food and bottling industry
- Boating, shipbuilding and offshore industry
- Pharmaceutical industry, laboratories
- Transport
- Power generation plants, hydroelectric power stations

Working Pressure
Low Cycle, non-pulsating pressure rating

Body Size	Steel	Stainl. Steel	Brass
1/8"	350 bar	350 bar	210 bar
1/4"	350 bar	350 bar	255 bar
3/8"	280 bar	350 bar	185 bar
1/2"	280 bar	350 bar	240 bar
3/4"	175 bar	210 bar	150 bar
1"	140 bar	210 bar	105 bar
1 1/2"	105 bar	105 bar	105 bar
2 1/2"	105 bar	–	85 bar

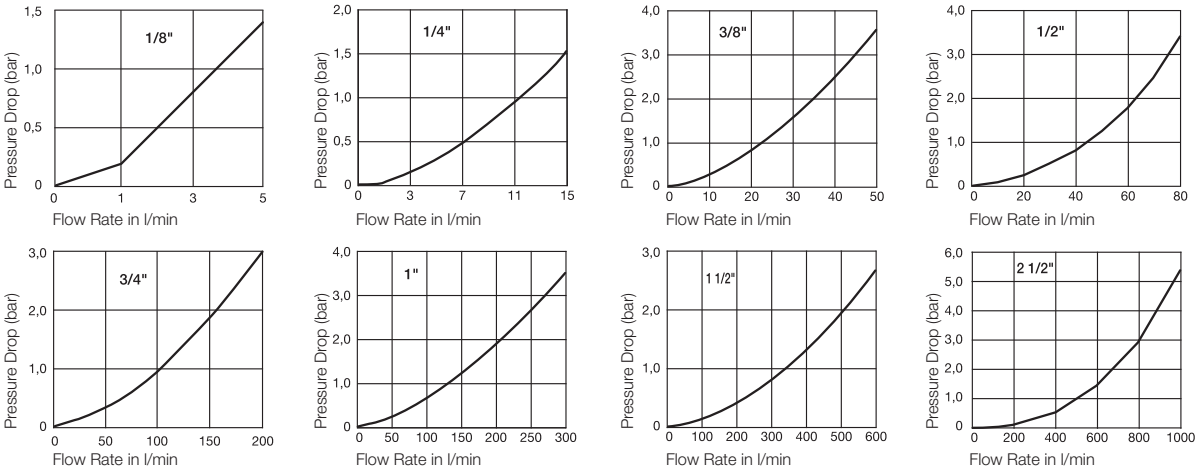
ANSI/ISO Pressure Rating

Body Size	Steel	Stainl. Steel	Brass
1/8"	350 bar	140 bar	70 bar
1/4"	350 bar	140 bar	70 bar
3/8"	280 bar	105 bar	70 bar
1/2"	280 bar	105 bar	70 bar
3/4"	175 bar	105 bar	70 bar
1"	140 bar	70 bar	70 bar
1 1/2"	70 bar	70 bar	55 bar
2 1/2"	70 bar	-	55 bar

Material Coupling	Brass	Steel	AISI 303	AISI 316
Coupling Body	Brass	Steel	AISI 303	AISI 316
Sleeve	Brass	Steel	AISI 303	AISI 316
Back-up Ring	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
Valve	Brass	Steel	AISI 303	AISI 316
Springs	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
Locking Balls	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
Seals	NBR	NBR	NBR	FKM
Valve Holder	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
Thread Body	Brass	Steel	AISI 303	AISI 316

Material Plug	Brass	Steel	AISI 303	AISI 316
Plug Body	Brass	Steel	AISI 303	AISI 316
Valve	Brass	Steel	AISI 303	AISI 316
Springs	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
Seals	NBR	NBR	NBR	FKM
Valve Holder	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
Thread Body	Brass	Steel	AISI 303	AISI 316

Flow Capacity with Oil with Viscosity of 43cSt at 38°C as per ISO 7241/2-2000



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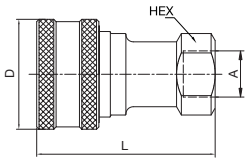
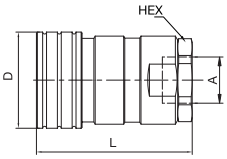
Couplings — 60-Series Brass



Female Thread

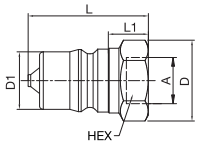
Body Size	Connection A	Thread	Hex	L mm	L1 mm	D mm	D1 mm	Version	Weight gr.	Part Number
1/8"	1/8"	BSPP	11/16"	48,3		24,4		Brass	87	BH1-60-BSPP
1/8"	1/8" - 27	NPTF	11/16"	48,3		24,4		Brass	80	BH1-60
1/4"	1/4"	BSPP	13/16"	61,2		29		Brass	158	BH2-60-BSPP
1/4"	1/4" - 18	NPTF	13/16"	57,4		29		Brass	145	BH2-60
3/8"	3/8"	BSPP	1"	69,9		35,6		Brass	260	BH3-60-BSPP
3/8"	3/8" - 18	NPTF	7/8"	63,2		35,4		Brass	195	BH3-60
1/2"	1/2"	BSPP	1 1/8"	77,5		45		Brass	383	BH4-60-BSPP
1/2"	1/2" - 14	NPTF	1 1/8"	72,9		45		Brass	365	BH4-60
3/4"	3/4"	BSPP	1 5/16"	93,2		54,4		Brass	642	BH6-60-BSPP
3/4"	3/4" - 14	NPTF	1 5/16"	90,4		54,4		Brass	630	BH6-60
1"	1"	BSPP	1 5/8"	106,2		64		Brass	970	BH8-60-BSPP
1"	1" - 11 1/2	NPTF	1 5/8"	106,2		64		Brass	980	BH8-60



Female Thread

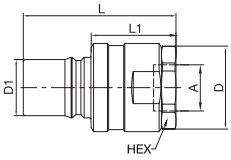
Body Size	Connection A	Thread	Hex	L mm	L1 mm	D mm	D1 mm	Version	Weight gr.	Part Number
1 1/2"	1 1/4"	BSPP	2 3/8"	123,4		76,2		Brass	2145	BH12-60L-BSPP
1 1/2"	1 1/2"	BSPP	2 3/8"	127,3		76,2		Brass	2130	BH12-60N-BSPP
1 1/2"	1 1/4" - 11 1/2	NPTF	2 3/8"	123,4		76,2		Brass	2080	BH12-60L
1 1/2"	1 1/2" - 11 1/2	NPTF	2 3/8"	123,4		76,2		Brass	2080	BH12-60N
2 1/2"	2"	BSPP	3 3/4"	145		101,1		Brass	5500	BH2016-60-BSPP
2 1/2"	2" - 11 1/2	NPTF	3 3/4"	141,5		101,1		Brass	5015	BH2016-60

Plugs — 60-Series Brass



Female Thread

Body Size	Connection A	Thread	Hex	L mm	L1 mm	D mm	D1 mm	Version	Weight gr.	Part Number
1/8"	1/8"	BSPP	9/16"	32	10,5	16,4	10,8	Brass	19	BH1-61-BSPP
1/8"	1/8" - 27	NPTF	9/16"	32	11,2	16,5	10,8	Brass	19	BH1-61
1/4"	1/4"	BSPP	3/4"	42,9	16,6	21,9	14,2	Brass	45	BH2-61-BSPP
1/4"	1/4" - 18	NPTF	3/4"	39,1	14	21,9	14,2	Brass	46	BH2-61
3/8"	3/8"	BSPP	7/8"	49,3	19,7	25,7	19,1	Brass	74	BH3-61-BSPP
3/8"	3/8" - 18	NPTF	7/8"	42,7	13,1	25,6	19,1	Brass	62	BH3-61
1/2"	1/2"	BSPP	1 1/8"	54,1	21,1	32,9	23,5	Brass	131	BH4-61-BSPP
1/2"	1/2" - 14	NPTF	1 1/8"	49,3	17,5	33	23,5	Brass	118	BH4-61
3/4"	3/4"	BSPP	1 3/8"	64,5	21,9	40,3	31,4	Brass	235	BH6-61-BSPP
3/4"	3/4" - 14	NPTF	1 3/8"	61,7	20,1	40,3	31,4	Brass	229	BH6-61
1"	1"	BSPP	1 5/8"	73,8	25,2	47,2	37,7	Brass	368	BH8-61-BSPP
1"	1" - 11 1/2	NPTF	1 5/8"	73,9	33,4	47,8	37,7	Brass	378	BH8-61

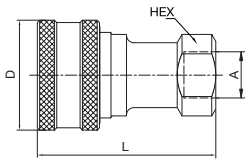


Female Thread

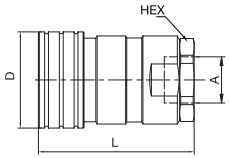
Body Size	Connection A	Thread	Hex	L mm	L1 mm	D mm	D1 mm	Version	Weight gr.	Part Number
1 1/2"	1 1/4"	BSPP	2 3/8"	120,9	67,5	74,7	44,5	Brass	1450	BH12-61L-BSPP
1 1/2"	1 1/2"	BSPP	2 3/8"	124,7	67,5	74,7	44,5	Brass	1450	BH12-61N-BSPP
1 1/2"	1 1/4" - 11 1/2	NPTF	2 3/8"	120,9	67,3	69,9	44,5	Brass	1340	BH12-61L
1 1/2"	1 1/2" - 11 1/2	NPTF	2 3/8"	120,9	67,3	69,9	44,5	Brass	1340	BH12-61N
2 1/2"	2"	BSPP	3 3/4"	142,7	77,3	104,1	63,2	Brass	3855	BH2016-61-BSPP
2 1/2"	2" - 11 1/2	NPTF	3 3/4"	139,2	73,7	104,1	63,2	Brass	3530	BH2016-61

⚠ Please consider our security advices on the pages 14/15 ⚠

Couplings — 60-Series Steel



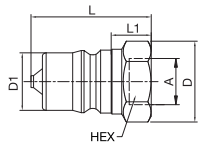
Female Thread



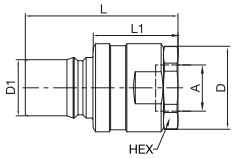
Female Thread

Body Size	Connection A	Thread	Hex	L mm	L1 mm	D mm	D1 mm	Version	Weight gr.	Part Number
1/8"	1/8"	BSPP	11/16"	48,3		24,4		Steel	81	H1-62-BSPP
1/8"	1/8" - 27	NPTF	11/16"	48,3		24,4		Steel	81	H1-62
1/4"	1/4"	BSPP	13/16"	61,2		29,0		Steel	130	H2-62-BSPP
1/4"	1/4" - 18	NPTF	13/16"	57,4		29,0		Steel	138	H2-62
3/8"	3/8"	BSPP	1"	69,9		35,6		Steel	241	H3-62-BSPP
3/8"	3/8" - 18	NPTF	7/8"	63,2		35,4		Steel	184	H3-62
1/2"	1/2"	BSPP	1 1/8"	77,5		45,0		Steel	360	H4-62-BSPP
1/2"	1/2" - 14	NPTF	1 1/8"	72,9		45,0		Steel	341	H4-62
3/4"	3/4"	BSPP	1 5/16"	93,2		54,4		Steel	602	H6-62-BSPP
3/4"	3/4" - 14	NPTF	1 5/16"	90,4		54,4		Steel	592	H6-62
1"	1"	BSPP	1 5/8"	106,2		64,0		Steel	906	H8-62-BSPP
1"	1" - 11 1/2	NPTF	1 5/8"	106,2		64,0		Steel	914	H8-62
1 1/2"	1 1/4"	BSPP	2 3/8"	123,4		76,2		Steel	2135	H12-62L-BSPP
1 1/2"	1 1/2"	BSPP	2 3/8"	127,3		76,2		Steel	2060	H12-62N-BSPP
1 1/2"	1 1/4" - 11 1/2	NPTF	2 3/8"	123,4		76,2		Steel	2130	H12-62L
1 1/2"	1 1/2" - 11 1/2	NPTF	2 3/8"	123,4		76,2		Steel	2130	H12-62N
2 1/2"	2"	BSPP	3 3/4"	145		104,1		Steel	4800	H2016-62-BSPP
2 1/2"	2" - 11 1/2	NPTF	3 3/4"	141,5		104,1		Steel	4800	H2016-62
2 1/2"	2 1/2" - 8	NPTF	3 3/4"	153,4		104,1		Steel	4950	H2020-62

Plugs — 60-Series Steel



Female Thread



Female Thread

Body Size	Connection A	Thread	Hex	L mm	L1 mm	D mm	D1 mm	Version	Weight gr.	Part Number
1/8"	1/8"	BSPP	9/16"	32	10,5	16,4	10,8	Steel	18	H1-63-BSPP
1/8"	1/8" - 27	NPTF	9/16"	32,0	11,2	16,5	10,8	Steel	18	H1-63
1/4"	1/4"	BSPP	3/4"	42,9	16,6	21,9	14,2	Steel	38	H2-63-BSPP
1/4"	1/4" - 18	NPTF	3/4"	39,1	14,0	21,9	14,2	Steel	36	H2-63
3/8"	3/8"	BSPP	7/8"	49,3	19,7	25,7	19,1	Steel	68	H3-63-BSPP
3/8"	3/8" - 18	NPTF	7/8"	42,7	13,1	25,6	19,1	Steel	56	H3-63
1/2"	1/2"	BSPP	1 1/8"	54,1	21,1	32,9	23,5	Steel	122	H4-63-BSPP
1/2"	1/2" - 14	NPTF	1 1/8"	49,3	17,5	33	23,5	Steel	109	H4-63
3/4"	3/4"	BSPP	1 3/8"	64,5	21,9	40,3	31,4	Steel	217	H6-63-BSPP
3/4"	3/4" - 14	NPTF	1 3/8"	61,7	20,1	40,3	31,4	Steel	210	H6-63
1"	1"	BSPP	1 5/8"	73,8	25,2	47,2	37,7	Steel	340	H8-63-BSPP
1"	1" - 11 1/2	NPTF	1 5/8"	73,9	33,4	47,8	37,7	Steel	351	H8-63
1 1/2"	1 1/4"	BSPP	2 3/8"	120,9	67,5	69,9	44,5	Steel	1410	H12-63L-BSPP
1 1/2"	1 1/2"	BSPP	2 3/8"	124,7	71,1	69,9	44,5	Steel	1280	H12-63N-BSPP
1 1/2"	1 1/4" - 11 1/2	NPTF	2 3/8"	120,9	67,3	69,9	44,5	Steel	1365	H12-63L
1 1/2"	1 1/2" - 11 1/2	NPTF	2 3/8"	120,9	67,3	69,9	44,5	Steel	1405	H12-63N
2 1/2"	2"	BSPP	3 3/4"	142,7	69,4	104,1	63,2	Steel	3580	H2016-63-BSPP
2 1/2"	2" - 11 1/2	NPTF	3 3/4"	139,2	65,9	104,1	63,2	Steel	3580	H2016-63
2 1/2"	2 1/2" - 8	NPTF	3 3/4"	151,1	83,4	104,1	63,2	Steel	3700	H2020-63

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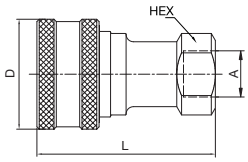
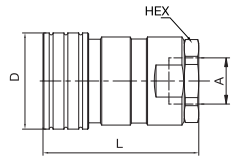
Couplings — 60-Series Stainless Steel



Female Thread

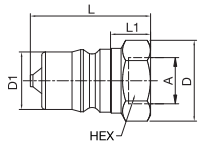
Body Size	Connection A	Thread	Hex	L mm	L1 mm	D mm	D1 mm	Version	Weight gr.	Part Number
1/8"	1/8"	BSPP	11/16"	48,3		24,4		AISI 303	81	SH1-62-BSPP
1/8"	1/8"	BSPP	14 mm	48,3		24,0		AISI 316	74	SSH1-62Y-BSPP*
1/8"	1/8" - 27	NPTF	11/16"	48,3		24,4		AISI 303	81	SH1-62
1/8"	1/8" - 27	NPTF	11/16"	48,3		24,4		AISI 316	74	SSH1-62Y*
1/4"	1/4"	BSPP	19 mm	61,2		29,0		AISI 303	129	SH2-62-BSPP
1/4"	1/4"	BSPP	13/16"	61,2		29,0		AISI 316	132	SSH2-62Y-BSPP*
1/4"	1/4" - 18	NPTF	13/16"	57,4		29,0		AISI 303	128	SH2-62
1/4"	1/4" - 18	NPTF	13/16"	57,4		29,0		AISI 316	138	SSH2-62Y*
3/8"	3/8"	BSPP	1"	69,9		35,6		AISI 303	245	SH3-62-BSPP
3/8"	3/8"	BSPP	1"	69,9		35,6		AISI 316	187	SSH3-62Y-BSPP*
3/8"	3/8" - 18	NPTF	7/8"	63,2		35,4		AISI 303	186	SH3-62
3/8"	3/8" - 18	NPTF	7/8"	63,2		35,4		AISI 316	180	SSH3-62Y*
1/2"	1/2"	BSPP	1 1/8"	77,5		45,0		AISI 303	360	SH4-62-BSPP
1/2"	1/2"	BSPP	1 1/8"	77,5		45,0		AISI 316	367	SSH4-62Y-BSPP*
1/2"	1/2" - 14	NPTF	1 1/8"	72,9		45,0		AISI 303	341	SH4-62
1/2"	1/2" - 14	NPTF	1 1/8"	72,9		45,0		AISI 316	346	SSH4-62Y*
3/4"	3/4"	BSPP	1 5/16"	93,2		54,4		AISI 303	603	SH6-62-BSPP
3/4"	3/4"	BSPP	1 5/16"	93,2		54,4		AISI 316	610	SSH6-62Y-BSPP*
3/4"	3/4" - 14	NPTF	1 5/16"	90,4		54,4		AISI 303	595	SH6-62
3/4"	3/4" - 14	NPTF	1 5/16"	90,4		54,4		AISI 316	592	SSH6-62Y*
1"	1"	BSPP	1 5/8"	106,2		64,0		AISI 303	908	SH8-62-BSPP
1"	1"	BSPP	41 mm	106,2		64,0		AISI 316	899	SSH8-62Y-BSPP*
1"	1" - 11 1/2	NPTF	1 5/8"	106,2		64,0		AISI 303	924	SH8-62
1"	1" - 11 1/2	NPTF	1 5/8"	106,2		64,0		AISI 316	901	SSH8-62Y*



Female Thread

1 1/2"	1 1/2"	BSPP	2 1/2"	127,3		76,2		AISI 303	2090	SH12-62N-BSPP
1 1/2"	1 1/2" - 11 1/2	NPTF	2 3/8"	123,4		76,2		AISI 303	2090	SH12-62N

Plugs — 60-Series Stainless Steel



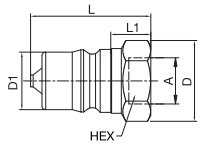
Female Thread

Body Size	Connection A	Thread	Hex	L mm	L1 mm	D mm	D1 mm	Version	Weight gr.	Part Number
1/8"	1/8"	BSPP	9/16"	32,0	10,5	16,4	10,8	AISI 303	18	SH1-63-BSPP
1/8"	1/8"	BSPP	17 mm	32,0	10,5	19,6	10,8	AISI 316	22	SSH1-63Y-BSPP*
1/8"	1/8" - 27	NPTF	9/16"	32,0	11,2	16,5	10,8	AISI 303	18	SH1-63
1/8"	1/8" - 27	NPTF	9/16"	32,0	11,2	16,5	10,8	AISI 316	18	SSH1-63Y*
1/4"	1/4"	BSPP	19 mm	39,1	16,6	21,9	14,2	AISI 303	36	SH2-63-BSPP
1/4"	1/4"	BSPP	3/4"	42,9	16,6	21,9	14,2	AISI 316	42	SSH2-63Y-BSPP*
1/4"	1/4" - 18	NPTF	3/4"	39,1	14,0	21,9	14,2	AISI 303	37	SH2-63
1/4"	1/4" - 18	NPTF	3/4"	39,1	14,0	21,9	14,2	AISI 316	37	SSH2-63Y*

*Suffix Y designates FKM seal.

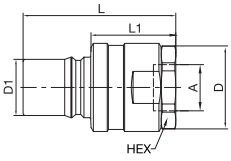
⚠ Please consider our security advices on the pages 14/15 ⚠

Plugs — 60-Series Stainless Steel



Female Thread

Body Size	Connection A	Thread	Hex	L mm	L1 mm	D mm	D1 mm	Version	Weight gr.	Part Number
3/8"	3/8"	BSPP	7/8"	49,3	19,7	25,7	19,1	AISI 303	69	SH3-63-BSPP
3/8"	3/8"	BSPP	7/8"	49,3	19,7	25,7	19,1	AISI 316	60	SSH3-63Y-BSPP*
3/8"	3/8" - 18	NPTF	7/8"	42,7	13,1	25,6	19,1	AISI 303	58	SH3-63
3/8"	3/8" - 18	NPTF	7/8"	42,7	13,1	25,6	19,1	AISI 316	55	SSH3-63Y*
1/2"	1/2"	BSPP	1 1/8"	54,1	21,1	32,9	23,5	AISI 303	122	SH4-63-BSPP
1/2"	1/2"	BSPP	1 1/8"	54,1	21,1	32,9	23,5	AISI 316	123	SSH4-63Y-BSPP*
1/2"	1/2" - 14	NPTF	1 1/8"	49,3	17,5	33,0	23,5	AISI 303	109	SH4-63
1/2"	1/2" - 14	NPTF	1 1/8"	49,3	17,5	33,0	23,5	AISI 316	109	SSH4-63Y*
3/4"	3/4"	BSPP	1 3/8"	64,5	21,9	40,3	31,4	AISI 303	217	SH6-63-BSPP
3/4"	3/4"	BSPP	1 3/8"	64,5	21,9	40,3	31,4	AISI 316	218	SSH6-63-BSPP*
3/4"	3/4" - 14	NPTF	1 3/8"	61,7	20,1	40,3	31,4	AISI 303	212	SH6-63
3/4"	3/4" - 14	NPTF	1 3/8"	61,7	20,1	40,3	31,4	AISI 316	210	SSH6-63Y*
1"	1"	BSPP	1 5/8"	73,8	25,2	47,2	37,7	AISI 303	345	SH8-63-BSPP
1"	1"	BSPP	1 5/8"	73,8	25,2	47,2	37,7	AISI 303	340	SH8-63Y-BSPP*
1"	1" - 11 1/2	NPTF	1 5/8"	73,9	33,4	47,8	37,7	AISI 303	356	SH8-63
1"	1" - 11 1/2	NPTF	1 5/8"	73,9	33,4	47,8	37,7	AISI 316	345	SSH8-63Y*
1 1/2"	1 1/2"	BSPP	2 1/2"	124,7	67,5	69,9	44,5	AISI 303	1315	SH12-63N-BSPP
1 1/2"	1 1/2" - 11 1/2	NPTF	2 3/8"	120,9	67,3	69,9	44,5	AISI 303	1315	SH12-63N



Female Thread

* Suffix Y designates FKM seal.

Dust Protection — 60-Series

Body Size	Version	Material	Part Number
1/8"	for coupling	Aluminium	H1-65
1/8"	for coupling	Rubber	H1-65M
1/8"	for plug	Aluminium	H1-66
1/8"	for plug	Rubber	H1-66M
1/4"	for coupling	Aluminium	H2-65
1/4"	for coupling	Rubber	H2-65M
1/4"	for plug	Aluminium	H2-66
1/4"	for plug	Rubber	H2-66M
3/8"	for coupling	Aluminium	H3-65
3/8"	for coupling	Rubber	H3-65M
3/8"	for plug	Aluminium	H3-66
3/8"	for plug	Rubber	H3-66M

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Dust Protection 60-Series

Body Size	Version	Material	Part Number
1/2"	for coupling	Aluminium	H4-65
1/2"	for coupling	Rubber	H4-65M
1/2"	for plug	Aluminium	H4-66
1/2"	for plug	Rubber	H4-66M
3/4"	for coupling	Aluminium	H6-65
3/4"	for coupling	Rubber	H6-65M
3/4"	for plug	Aluminium	H6-66
3/4"	for plug	Rubber	H6-66M
1"	for coupling	Aluminium	H8-65
1"	for coupling	Rubber	H8-65M
1"	for plug	Aluminium	H8-66
1"	for plug	Rubber	H8-66M
1 1/2"	for coupling	Aluminium	H12-65
1 1/2"	for plug	Aluminium	H12-66

Seal-Kit 60-Series

Body Size	Version	Material	Part Number
1/8"	Body Seal	NBR	020013N0674
1/8"	Body Seal	FKM	020013V0747
1/8"	Back-up Ring[2]	PTFE	H67A-28
1/4"	Body Seal	NBR	020015N0674
1/4"	Body Seal	FKM	020015V0747
1/4"	Back-up Ring[2]	PTFE	H67C-28
3/8"	Body Seal	NBR	020116N0674
3/8"	Body Seal	FKM	020116V0747
3/8"	Back-up Ring[2]	PTFE	4118007
1/2"	Body Seal	NBR	020213N0674
1/2"	Body Seal	FKM	020213V0747
1/2"	Back-up Ring[2]	PTFE	4128002
3/4"	Body Seal	NBR	020218N0674
3/4"	Body Seal	FKM	020218V0747
3/4"	Back-up Ring[2]	PTFE	4148001
1"	Body Seal	NBR	020222N0674
1"	Body Seal	FKM	020222V0747
1"	Back-up Ring[2]	PTFE	4158001
1 1/2"	Body Seal	NBR	020224N0674[1]
2 1/2"	Body Seal	NBR	020333N0674

[1] Two body seals are necessary

[2] Brass 60 series couplers use two O-rings but do not use a back-up ring.

⚠ Please consider our security advices on the pages 14/15 ⚠

ISO B
ISO 7241-1
Series B

Body Size
1/4" up to 1"

ISO B-Profile
Tema IB-Series

Technical Description
The Tema IB series plug profiles conform to IS0 Standard 7241-1 series B and are compatible with other series complying with the same standard. To optimize performance and corrosion resisitance the female is made from brass and the male hardend steel.

Advantages
Option with pressure eliminator function allows for effortless connection with static and residual pressure, up to operating pressure. It is available in the IB series for plugs and couplings. Option with heavy duty sleeve gives longer life time in very tough applications.

Working Pressure
See charts.

Working Temperature
-30°C up to +100°C (NBR)
-25°C up to +200°C (FKM)
depending on the medium.
Special seals are available on request (see page 6).

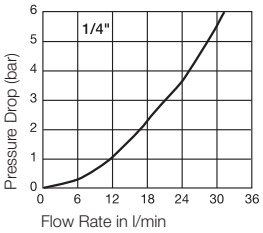
Available Valves

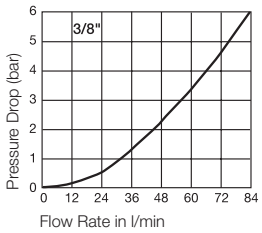
Applications Area

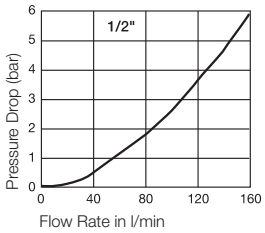
Material Coupling	Standard / Pressure Eliminator
Coupling Body Size 1/4" to 1/2"	Brass, nickel and chrome plated
Coupling Body Size 3/4" to 1"	Steel zinc plated, passivated, sealed
Sleeve Size 1/4"	Brass, nickel and chrome plated
Sleeve Size 3/8" to 1"	Steel zinc plated, passivated, sealed
Valve	Brass
Springs	AISI 301
Locking Balls	AISI 420 C
Seals	NBR/FKM
Valve Holder (up to 100°C)	Zinc casting
Valve Holder (over 100°C)	Brass

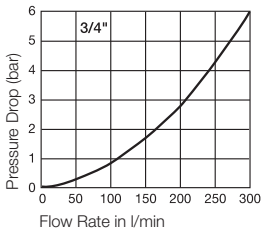
Material Plug	Standard / Pressure Eliminator
Plug Body	Steel hardened, zinc plated, passivated, sealed
Valve	Brass
Springs	AISI 301
Seals	NBR/FKM
Valve Holder (up to 100°C)	Zinc Casting Size 3/8" & 1/2", Brass Size 1/4", 3/4", 1"
Valve Holder (over 100°C)	Brass

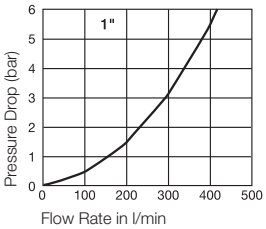
Flow Capacity with Oil with Viscosity of 32cSt at 40°C as per ISO 7241/2-2000











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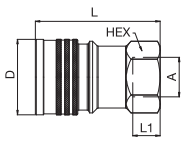
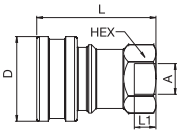
Couplings — IB-Series



Female Thread

Body Size	Connection A	Hex mm	L mm	L1 mm	D mm	D1 mm	Valve	Working Pressure connected in bar	Version	Seal	Part Number
1/4"	G 1/4	24	57	12	28		with	400	Standard	NBR	IB2510
1/4"	G 1/4	24	57	12	28		with	400	Standard	FKM	IB2510 V
1/4"	G 1/4	24	57	12	28		without	400	Standard	NBR	IB2510 UV
1/4"	G 1/4	24	57	12	28		without	400	Standard	FKM	IB2510 VUV
3/8"	G 3/8	30	63	12	34		with	320	Standard	NBR	IB3810
3/8"	G 3/8	30	63	12	34		with	320	Standard	FKM	IB3810 V
3/8"	G 3/8	30	63	12	34		without	320	Standard	NBR	IB3810 UV
3/8"	G 3/8	30	63	12	34		without	320	Standard	FKM	IB3810 VUV
1/2"	G 1/2	33	66	14	39		with	300	Standard	NBR	IB5010
1/2"	G 1/2	33	66	14	39		with	300	Standard	FKM	IB5010 V
1/2"	G 1/2	33	66	14	39		without	300	Standard	NBR	IB5010 UV
1/2"	G 1/2	33	66	14	39		without	300	Standard	FKM	IB5010 VUV
3/4"	G 3/4	46	81	16	52		with	300	Standard	NBR	IB7510
3/4"	G 3/4	46	81	16	52		with	300	Standard	FKM	IB7510 V
3/4"	G 3/4	46	81	16	52		without	300	Standard	NBR	IB7510 UV
3/4"	G 3/4	46	81	16	52		without	300	Standard	FKM	IB7510 VUV
1"	G 1	50	94	18	62		with	250	Standard	NBR	IB10010
1"	G 1	50	94	18	62		with	250	Standard	FKM	IB10010 V
1"	G 1	50	94	18	62		without	250	Standard	NBR	IB10010 UV
1"	G 1	50	94	18	62		without	250	Standard	FKM	IB10010 VUV

Couplings with Heavy Duty Sleeve — IB-Series

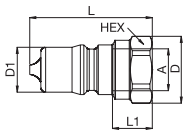


Female Thread

Body Size	Connection A	Hex mm	L mm	L1 mm	D mm	D1 mm	Valve	Working Pressure connected in bar	Version	Seal	Part Number
1/2"	G 1/2	33	66	14	47		with	300	Standard	NBR	IB5010 H
1/2"	G 1/2	33	66	14	47		without	300	Standard	NBR	IB5010 HUV
3/4"	G 3/4	46	81	16	56		with	300	Standard	NBR	IB7510 H
3/4"	G 3/4	46	81	16	56		without	300	Standard	NBR	IB7510 HUV
1"	G 1	50	94	18	66		with	250	Standard	NBR	IB10010 H
1"	G 1	50	94	18	66		with	250	Standard	FKM	IB10010 HV
1"	G 1	50	94	18	66		without	250	Standard	NBR	IB10010 HUV
1"	G 1	50	94	18	66		without	250	Standard	FKM	IB10010 HVUV

⚠ Please consider our security advices on the pages 14/15 ⚠

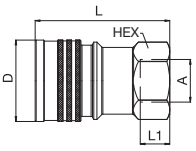
Plugs — IB-Series



Female Thread

Body Size	Connection A	Hex mm	L mm	L1 mm	D mm	D1 mm	Valve	Working Pressure connected in bar	Version	Seal	Part Number
1/4"	G 1/4	19	38	12	21	14,1	with	400	Standard	NBR	IB2520
1/4"	G 1/4	19	38	12	21	14,1	with	400	Standard	FKM	IB2520 V
1/4"	G 1/4	19	38	12	21	14,1	without	400	Standard	-	IB2520 UV
3/8"	G 3/8	22	42	12	24	19	with	320	Standard	NBR	IB3820
3/8"	G 3/8	22	42	12	24	19	with	320	Standard	FKM	IB3820 V
3/8"	G 3/8	22	38	12	24	19	without	320	Standard	-	IB3820 UV
1/2"	G 1/2	28	48	14	31	23,6	with	300	Standard	NBR	IB5020
1/2"	G 1/2	28	48	14	31	23,6	with	300	Standard	FKM	IB5020 V
1/2"	G 1/2	28	42	14	31	23,6	without	300	Standard	-	IB5020 UV
3/4"	G 3/4	36	59	24	39	31,4	with	300	Standard	NBR	IB7520
3/4"	G 3/4	36	59	24	39	31,4	with	300	Standard	FKM	IB7520 V
3/4"	G 3/4	36	53	24	39	31,4	without	300	Standard	-	IB7520 UV
1"	G 1	42	70	18	46	37,8	with	300	Standard	NBR	IB10020
1"	G 1	42	70	18	46	37,8	with	300	Standard	FKM	IB10020 V
1"	G 1	42	70	18	46	37,8	without	300	Standard	-	IB10020 UV

Couplings — IB-Series

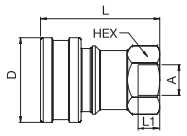


Female Thread

PE

Body Size	Connection A	Hex mm	L mm	L1 mm	D mm	D1 mm	Valve	Working Pressure connected in bar	Version	Seal	Part Number
1/4"	G 1/4	24	57	12	28		with	400	Press. Elim.	NBR	IB2511
1/4"	G 1/4	24	57	12	28		with	400	Press. Elim.	FKM	IB2511 V
3/8"	G 3/8	30	63	12	34		with	320	Press. Elim.	NBR	IB3811
3/8"	G 3/8	30	63	12	34		with	320	Press. Elim.	FKM	IB3811 V
1/2"	G 1/2	33	66	14	39		with	300	Press. Elim.	NBR	IB5011
1/2"	G 1/2	33	66	14	39		with	300	Press. Elim.	FKM	IB5011 V
3/4"	G 3/4	46	81	16	52		with	300	Press. Elim.	NBR	IB7511
3/4"	G 3/4	46	81	16	52		with	300	Press. Elim.	FKM	IB7511 V
1"	G 1	50	94	18	62		with	300	Press. Elim.	NBR	IB10011

Couplings with Heavy Duty Sleeve — IB-Series



Female Thread

PE

Body Size	Connection A	Hex mm	L mm	L1 mm	D mm	D1 mm	Valve	Working Pressure connected in bar	Version	Seal	Part Number
1/2"	G 1/2	33	66	14	47		with	300	Press. Elim.	NBR	IB5011 H
3/4"	G 3/4	46	81	16	56		with	300	Press. Elim.	NBR	IB7511 H
1"	G 1	50	94	18	66		with	300	Press. Elim.	NBR	IB10011 H

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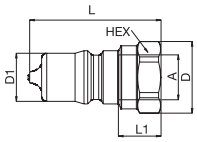
Plugs — IB-Series



Female Thread

PE

Body Size	Connection A	Hex mm	L mm	L1 mm	D mm	D1 mm	Valve	Working Pressure connected in bar	Version	Seal	Part Number
1/4"	G 1/4	19	38	12	21	14,1	with	400	Press. Elim.	NBR	IB2521
1/4"	G 1/4	19	38	12	21	14,1	with	400	Press. Elim.	FKM	IB2521 V
3/8"	G 3/8	22	42	12	24	19	with	320	Press. Elim.	NBR	IB3821
3/8"	G 3/8	22	42	12	24	19	with	320	Press. Elim.	FKM	IB3821 V
1/2"	G 1/2	28	48	14	31	23,6	with	300	Press. Elim.	NBR	IB5021
1/2"	G 1/2	28	48	14	31	23,6	with	300	Press. Elim.	FKM	IB5021 V
3/4"	G 3/4	36	59	24	39	31,4	with	300	Press. Elim.	NBR	IB7521
3/4"	G 3/4	36	59	24	39	31,4	with	300	Press. Elim.	FKM	IB7521 V
1"	G 1	42	70	18	46	37,8	with	300	Press. Elim.	NBR	IB10021

Seal-Kit — IB-Series

Body Size	Version	Material	Part Number
1/4"	for coupling	NBR	IB2500-PSN
1/4"	for coupling	FKM	IB2500-PSV
3/8"	for coupling	NBR	IB3800-PSN
3/8"	for coupling	FKM	IB3800-PSV
1/2"	for coupling	NBR	IB5000-PSN
1/2"	for coupling	FKM	IB5000-PSV
3/4"	for coupling	NBR	IB7500-PSN
3/4"	for coupling	FKM	IB7500-PSV
1"	for coupling	NBR	IB10000-PSN
1"	for coupling	FKM	IB10000-PSV
Further sealing materials on request.			

Dust Protection — IB-Series

Body Size	Version	L mm	D mm	Material	Color	Part Number
1/4"	for coupling	145	19	PVC	Blue	IB2516
1/4"	for coupling	145	19	PVC	Yellow	IB2516 Y
3/8"	for coupling	145	19	PVC	Blue	IB3816
1/2"	for coupling	170	28	PVC	Blue	IB5016
3/4"	for coupling	195	33	PVC	Blue	IB7516
1"	for coupling	230	42	PVC	Blue	IB10016
1/4"	for plug	145	19	PVC	Blue	IB2526
1/4"	for plug	145	19	PVC	Yellow	IB2526 Y
3/8"	for plug	145	19	PVC	Blue	IB3826
1/2"	for plug	170	28	PVC	Blue	IB5026
3/4"	for plug	195	33	PVC	Blue	IB7526
1"	for plug	230	42	PVC	Blue	IB10026
Further colors on request.						

⚠ Please consider our security advices on the pages 14/15 ⚠

Ball Locking
ISO Standard

ISO F
ISO 16028

Body Size
1/8" up to 1"

ISO Standard 16028
FEM- / IF-Series

Medium Pressure

Technical Description
The FEM, FEC and IF series plug profile are produced according to ISO Standard 16028 and are compatible with other series complying with the same standard. These couplings offer a leckage free disconnection – mini-mal oil loss during uncoupling. Thanks to the valve design, the coupling has a minimum pressure drop, and thus achieves maximum cost-effectiveness. Exists in standard version (steel) and stainless steel.

Advantages
- Can be operated with use of one hand.
- Safety locking feature as standard to prevent unintentional uncoupling.
- FEC with the pressure eliminator enable effortless connection under static pressure (up to rated working pressure).
- FEMP and FECP with push-pull features is suitable for multi-plates or when coupling is fixed on an application.

Working Pressure
See charts.

Working Temperature
-30°C up to +100°C (NBR)
-25°C up to +200°C (FKM)
depending on the medium.
Special seals are available on request (see page 6).

Available Valves

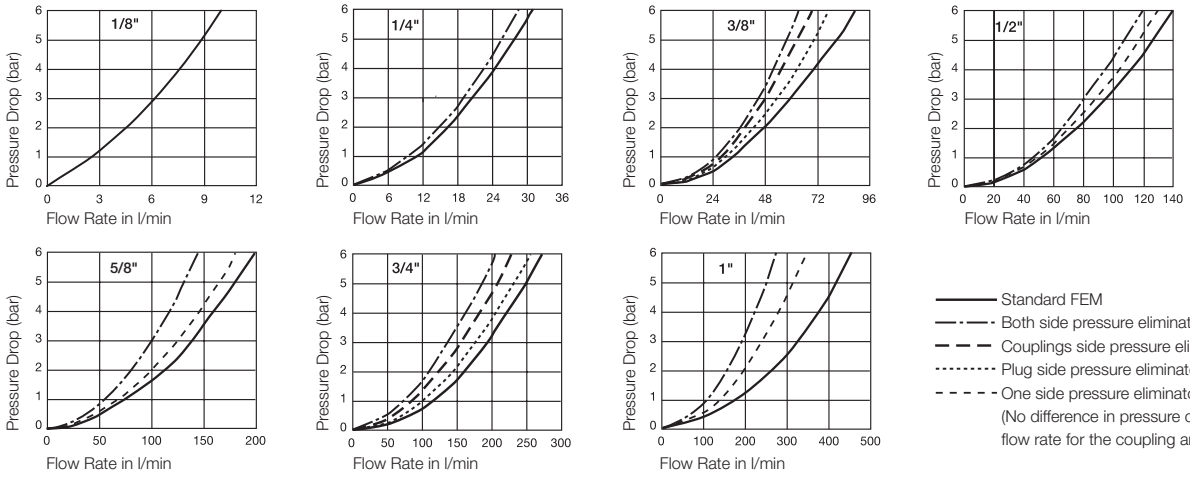
Applications Area

New version coming. The FEM series will be upgraded and improved (starting with 3/8", 1/2", 3/4" sizes and variants). Please see flyer 3800-FEM-Series-UK for updated versions.

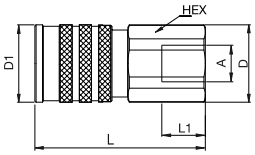
Material Coupling	FEM-Series: Standard / Steel	FEC-Series: Push-Pull/Press. Elimin.	IF-Series Stainl. Steel
Coupling Body	Steel, zinc plated, passivated, sealed	Steel, nitrocarburizing	AISI 316
Sleeve	Steel, zinc plated, passivated, sealed	Steel, zinc plated, passivated, sealed	AISI 316
Valve	Steel, zinc plated, passivated, sealed	Steel, zinc plated, passivated, sealed	AISI 316
2nd Valve		Brass	
Springs	AISI 301	AISI 301	AISI 301
Locking Balls	AISI 420 C	AISI 420 C	AISI 420 C
Seals	NBR	NBR	FKM
Valve Holder	Steel, zinc plated, passivated	Steel, zinc plated, passivated, sealed	AISI 316
2nd Valve Holder (up to 100°C)		Zinc Casting (NBR)	
2nd Valve Holder (over 100°C)		Brass (EPDM/FKM)	AISI 316
Thread Body	Steel, zinc plated, passivated, sealed	Steel, zinc plated, passivated, sealed	

Material Plug	FEM-Series: Standard / Steel	FEC-Series: Push-Pull/Press. Elimin.	IF-Series Stainl. Steel
Plughousing	Steel hardened, zinc plated, passiv., sealed	Steel hardened, zinc plated, passiv., sealed	AISI 316
Valve	Steel	Steel, zinc plated, passivated, sealed	AISI 316
2nd Valve		Brass	
Springs	AISI 301	AISI 301	AISI 301
Seals	NBR/PUR	NBR	FKM
Valve Holder	Brass	Brass	AISI 316
2nd Valve Holder (up to 100°C)		Zinc Casting (NBR)	
2nd Valve Holder (over 100°C)		Brass (EPDM/FKM)	AISI 316
Thread Body	Steel	Steel	AISI 316

Flow Capacity with Oil with Viscosity of 32cSt at 40°C as per ISO 7241/2-2000



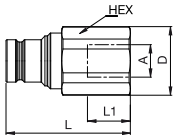
Couplings — FEM-Series



Female Thread

Body Size	Connection A	Hex mm	L mm	L1 mm	D mm	D1 mm	Working Pressure connected in bar	Version	Seal	Part Number*
1/8"	G 1/8	19	40	8	20,5	20	450	Standard	NBR	FEM-121-2FB
1/4"	G 1/4	27	64	12	29,5	29	315	Standard	NBR	FEM-251-4FB
1/4"	G 3/8	27	64	12	29,5	29	315	Standard	NBR	FEM-251-6FB
3/8"	G 3/8	30	71	12	32	32	250	Standard	NBR	FEM-371-6FB
3/8"	G 1/2	30	73	14	32	32	250	Standard	NBR	FEM-371-8FB
1/2"	G 1/2	36	76	14	40	39	250	Standard	NBR	FEM-501-8FB
1/2"	G 3/4	36	80	16	40	39	250	Standard	NBR	FEM-501-12FB
5/8"	G 3/4	40	82	16	43	42	250	Standard	NBR	FEM-621-12FB
3/4"	G 3/4	46	96	16	50	46	250	Standard	NBR	FEM-751-12FB
3/4"	G 1	46	102	18	50	46	250	Standard	NBR	FEM-751-16FB
1"	G 1	55	105	18	60	55	200	Standard	NBR	FEM-1001-16FB
1"	G 1 1/4	55	106	20	60	55	200	Standard	NBR	FEM-1001-20FB

Plugs — FEM-Series



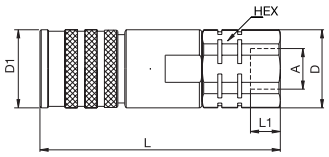
Female Thread

Body Size	Connection A	Hex mm	L mm	L1 mm	D mm	D1 mm	Working Pressure connected in bar	Version	Seal	Part Number*
1/8"	G 1/8	17	35	8	18,6		450	Standard	NBR	FEM-122-2FB
1/4"	G 1/4	22	49	12	24,5		315	Standard	NBR	FEM-252-4FB
1/4"	G 3/8	22	49	12	24,5		315	Standard	NBR	FEM-252-6FB
3/8"	G 3/8	30	58	12	32		250	Standard	NBR	FEM-372-6FB
3/8"	G 1/2	30	60	12	32		250	Standard	NBR	FEM-372-8FB
1/2"	G 1/2	36	66	14	40		250	Standard	NBR	FEM-502-8FB
1/2"	G 3/4	36	70	16	40		250	Standard	NBR	FEM-502-12FB
5/8"	G 3/4	36	71	16	40		250	Standard	NBR	FEM-622-12FB
3/4"	G 3/4	46	77	16	50		250	Standard	NBR	FEM-752-12FB
3/4"	G 1	46	83	18	50		250	Standard	NBR	FEM-752-16FB
1"	G 1	55	89	18	60		200	Standard	NBR	FEM-1002-16FB
1"	G 1 1/4	55	90	20	60		200	Standard	NBR	FEM-1002-20FB

* For the old part number please have a look on the Cross-Reference-List on page 49.

⚠ Please consider our security advices on the pages 14/15 ⚠

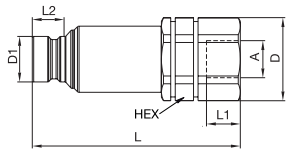
Couplings — FEM-Series



PE Female Thread

Body Size	Connec-tion A	Hex mm	L mm	L1 mm	L2 mm	D mm	D1 mm	Working Pressure connected in bar	Version	Seal	Part Number*
1/4"	G 1/4	27	91	12		29,5	29	315	Press. Elimin.	NBR	FEC-251-4FB
1/4"	G 3/8	27	91	12		29,5	29	315	Press. Elimin.	NBR	FEC-251-6FB
3/8"	G 3/8	30	99	12		32	32	250	Press. Elimin.	NBR	FEC-371-6FB
3/8"	G 1/2	30	101	14		32	32	250	Press. Elimin.	NBR	FEC-371-8FB
1/2"	G 1/2	40	112	14		43	39	250	Press. Elimin.	NBR	FEC-501-8FB
1/2"	G 3/4	40	115	16		43	39	250	Press. Elimin.	NBR	FEC-501-12FB
5/8"	G 3/4	40	117	16		43	42	250	Press. Elimin.	NBR	FEC-621-12FB
3/4"	G 3/4	50	130	16		54	46	250	Press. Elimin.	NBR	FEC-751-12FB
3/4"	G 1	50	136	16		54	46	250	Press. Elimin.	NBR	FEC-751-16FB
1"	G 1	55	143	18		60	55	200	Press. Elimin.	NBR	FEC-1001-16FB
1"	G 1 1/4	55	146	20		60	55	200	Press. Elimin.	NBR	FEC-1001-20FB

Plugs — FEM-Series



PE Female Thread

Body Size	Connec-tion A	Hex mm	L mm	L1 mm	L2 mm	D mm	D1 mm	Working Pressure connected in bar	Version	Seal	Part Number*
1/4"	G 1/4	27	74	12	11,3	29,5	16,1	315	Press. Elimin.	NBR	FEC-252-4FB
1/4"	G 3/8	27	74	12	11,3	29,5	16,1	315	Press. Elimin.	NBR	FEC-252-6FB
3/8"	G 3/8	30	87	12	16,1	32	19,7	250	Press. Elimin.	NBR	FEC-372-6FB
3/8"	G 1/2	30	89	14	16,1	32	19,7	250	Press. Elimin.	NBR	FEC-372-8FB
1/2"	G 1/2	40	98	14	17	43	24,5	250	Press. Elimin.	NBR	FEC-502-8FB
1/2"	G 3/4	40	101	16	17	43	24,5	250	Press. Elimin.	NBR	FEC-502-12FB
5/8"	G 3/4	40	101	16	17,7	43	27	250	Press. Elimin.	NBR	FEC-622-12FB
3/4"	G 3/4	50	114	16	22	54	30	250	Press. Elimin.	NBR	FEC-752-12FB
3/4"	G 1	50	120	16	22	54	30	250	Press. Elimin.	NBR	FEC-752-16FB
1"	G 1	55	126	18	23,3	60	36	200	Press. Elimin.	NBR	FEC-1002-16FB
1"	G 1 1/4	55	130	20	23,3	60	36	200	Press. Elimin.	NBR	FEC-1002-20FB

* For the old part number please have a look on the Cross-Reference-List on page 49.

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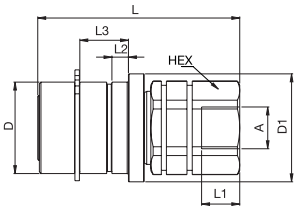
Couplings — FEM-Series

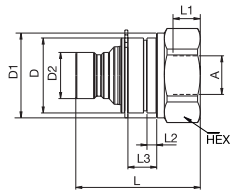
Body Size	Connect. A	Hex mm	L mm	L1 mm	L2 mm	L3 mm	D mm	D1 mm	D2 mm	Work. Press. con. in bar	Version	Seal	Part Number*
1/4"	G 1/4	27	64	12	5,2	15,3	28,8	34		315	for Multiplate	NBR	FEMP-251-4FB
1/4"	G 3/8	27	64	12	5,2	15,3	28,8	34		315	for Multiplate	NBR	FEMP-251-6FB
3/8"	G 3/8	30	71	12	5,2	15,3	31,8	38		250	for Multiplate	NBR	FEMP-371-6FB
3/8"	G 1/2	30	73	14	5,2	15,3	31,8	38		250	for Multiplate	NBR	FEMP-371-8FB
1/2"	G 1/2	36	76	14	5,2	15,3	39,8	46		250	for Multiplate	NBR	FEMP-501-8FB
1/2"	G 3/4	36	80	16	5,2	15,3	39,8	46		250	for Multiplate	NBR	FEMP-501-12FB
5/8"	G 3/4	40	82	16	5,2	15,3	41,8	48		250	for Multiplate	NBR	FEMP-621-12FB
3/4"	G 3/4	46	95	16	5,2	15,3	46,8	53		250	for Multiplate	NBR	FEMP-751-12FB
3/4"	G 1	46	101	18	5,2	15,3	46,8	53		250	for Multiplate	NBR	FEMP-751-16FB
1"	G 1	55	105	18	5,2	15,3	59,8	65		200	for Multiplate	NBR	FEMP-1001-16FB



Female Thread
Provided with Circlip acc. DIN 471

Plugs — FEM-Series

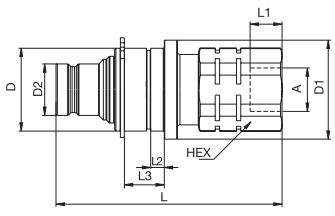
Body Size	Connect. A	Hex mm	L mm	L1 mm	L2 mm	L3 mm	D mm	D1 mm	D2 mm	Work. Press. con. in bar	Version	Seal	Part Number*
1/4"	G 1/4	32	49	12	5,2	15,3	28,8	32	16,1	315	for Multiplate	PUR	FEMP-252-4FB
3/8"	G 3/8	36	58	12	5,2	15,3	31,8	36	19,8	250	for Multiplate	PUR	FEMP-372-6FB
1/2"	G 1/2	45	66	14	5,2	15,3	39,8	45	24,5	250	for Multiplate	PUR	FEMP-502-8FB
5/8"	G 3/4	46	71	16	5,2	15,3	41,8	46	27	250	for Multiplate	PUR	FEMP-622-12FB
3/4"	G 3/4	50	83	16	5,2	15,3	46,8	50	30	250	for Multiplate	PUR	FEMP-752-12FB
1"	G 1	65	89	18	5,2	15,3	59,8	65	36	200	for Multiplate	PUR	FEMP-1002-16FB



Female Thread
Provided with Circlip acc. DIN 471

Plugs — FEM-Series

Body Size	Connect. A	Hex mm	L mm	L1 mm	L2 mm	L3 mm	D mm	D1 mm	D2 mm	Work. Press. con. in bar	Version	Seal	Part Number*
1/4"	G 1/4	27	74	12	5,2	15,3	28,8	34	16,1	315	Press. El. f. Multiplate	NBR	FECP-252-4FB
1/4"	G 3/8	27	74	12	5,2	15,3	28,8	34	16,1	315	Press. El. f. Multiplate	NBR	FECP-252-6FB
3/8"	G 3/8	30	87	12	5,2	15,3	31,8	38	19,8	250	Press. El. f. Multiplate	NBR	FECP-372-6FB
3/8"	G 1/2	30	89	14	5,2	15,3	31,8	38	19,8	250	Press. El. f. Multiplate	NBR	FECP-372-8FB
1/2"	G 1/2	40	98	14	5,2	15,3	39,8	46	24,5	250	Press. El. f. Multiplate	NBR	FECP-502-8FB
1/2"	G 3/4	40	101	16	5,2	15,3	39,8	46	24,5	250	Press. El. f. Multiplate	NBR	FECP-502-12FB
5/8"	G 3/4	40	101	16	5,2	15,3	41,8	46	27	250	Press. El. f. Multiplate	NBR	FECP-622-12FB
3/4"	G 3/4	50	114	16	5,2	15,3	46,8	53	30	250	Press. El. f. Multiplate	NBR	FECP-752-12FB
3/4"	G 1	50	120	18	5,2	15,3	46,8	53	30	250	Press. El. f. Multiplate	NBR	FECP-752-16FB
1"	G 1	55	126	18	5,2	15,3	59,8	65	36	200	Press. El. f. Multiplate	NBR	FECP-1002-16FB



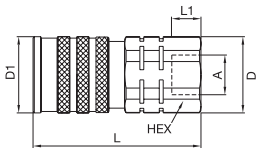
PE

Female Thread
Provided with Circlip acc. DIN 471

* For the old part number please have a look on the Cross-Reference-List on page 49.

⚠ Please consider our security advices on the pages 14/15 ⚠

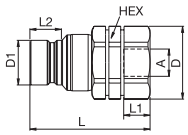
Couplings — IF-Series Stainless Steel



Female Thread

Body Size	Connection A	Hex mm	L mm	L1 mm	L2 mm	D mm	D1 mm	Working Pressure connected in bar	Version	Seal	Part Number
1/4"	G 1/4	27	64	12		29,5	29	315	Stainl. Steel	FKM	IF2510 RV
3/8"	G 3/8	30	71	12		32	32	250	Stainl. Steel	FKM	IF3810 RV
3/8"	G 1/2	30	73	14		32	32	250	Stainl. Steel	FKM	IF3810-50 RV
1/2"	G 1/2	36	76	14		40	39	250	Stainl. Steel	FKM	IF5010 RV
1/2"	G 3/4	36	80	16		40	39	250	Stainl. Steel	FKM	IF5010-75 RV
5/8"	G 3/4	40	82	16		43	42	250	Stainl. Steel	FKM	IF6310 RV
3/4"	G 3/4	46	96	16		50	46	250	Stainl. Steel	FKM	IF7510 RV
3/4"	G 1	46	102	18		50	46	250	Stainl. Steel	FKM	IF7510-100 RV
1"	G 1	55	105	18		60	55	200	Stainl. Steel	FKM	IF10010 RV
1"	G 1 1/4	55	109	20		60	55	200	Stainl. Steel	FKM	IF10010-125 RV

Plugs — IF-Series Stainless Steel



Female Thread

Body Size	Connection A	Hex mm	L mm	L1 mm	L2 mm	D mm	D1 mm	Working Pressure connected in bar	Version	Seal	Part Number
1/4"	G 1/4	22	49	12	11,3	24,5	16,1	315	Stainl. Steel	FKM	IF2520 RV
3/8"	G 3/8	30	58	12	16,1	32	19,7	250	Stainl. Steel	FKM	IF3820 RV
3/8"	G 1/2	30	60	12	16,1	32	19,7	250	Stainl. Steel	FKM	IF3820-50 RV
1/2"	G 1/2	36	66	14	17	40	24,5	250	Stainl. Steel	FKM	IF5020 RV
1/2"	G 3/4	36	70	16	17	40	24,5	250	Stainl. Steel	FKM	IF5020-75 RV
5/8"	G 3/4	36	71	16	17,7	40	27	250	Stainl. Steel	FKM	IF6320 RV
3/4"	G 3/4	46	77	16	22	50	30	250	Stainl. Steel	FKM	IF7520 RV
3/4"	G 1	46	83	18	22	50	30	250	Stainl. Steel	FKM	IF7520-100 RV
1"	G 1	55	89	18	23,3	60	36	200	Stainl. Steel	FKM	IF10020 RV
1"	G 1 1/4	55	93	20	23,3	60	36	200	Stainl. Steel	FKM	IF10020-125 RV

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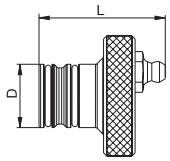
Lubrication Nipple — FEM-/IF-Series



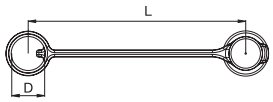
Body Size	Version	L mm	D mm	Part Number
3/8"	for coupling	39	20	GRIF38
1/2"	for coupling	42	25	GRIF50
5/8"	for coupling	43	27	GRIF63
3/4"	for coupling	48	30	GRIF75
1"	for coupling	54	36	GRIF100

Seal-Kit — FEM-/IF-Series

Body Size	Version	Material	Part Number
1/8"	for plugs	NBR	IF2300-PSN
1/8"	for plugs	FKM	IF2300-PSV
1/4"	for plugs	NBR	IF2500-PSN
1/4"	for plugs	FKM	IF2500-PSV
1/4"	for plugs	EPDM	IF2500-PSEP
1/4"	for plugs	PUR	IF2500-PSPU
3/8"	for plugs	NBR	IF3800-PSN
3/8"	for plugs	FKM	IF3800-PSV
3/8"	for plugs	EPDM	IF3800-PSEP
3/8"	for plugs	PUR	IF3800-PSPU
1/2"	for plugs	NBR	IF5000-PSN
1/2"	for plugs	FKM	IF5000-PSV
1/2"	for plugs	EPDM	IF5000-PSEP
1/2"	for plugs	PUR	IF5000-PSPU
5/8"	for plugs	NBR	IF6300-PSN
5/8"	for plugs	FKM	IF6300-PSV
5/8"	for plugs	EPDM	IF6300-PSEP
5/8"	for plugs	PUR	IF6300-PSPU
3/4"	for plugs	NBR	IF7500-PSN
3/4"	for plugs	FKM	IF7500-PSV
3/4"	for plugs	EPDM	IF7500-PSEP
3/4"	for plugs	PUR	IF7500-PSPU
1"	for plugs	NBR	IF10000-PSN
1"	for plugs	FKM	IF10000-PSV
1"	for plugs	EPDM	IF10000-PSEP
1"	for plugs	PUR	IF10000-PSPU

⚠ Please consider our security advices on the pages 14/15 ⚠

Dust Protection — FEM-/IF-Series



Body Size	Version	L mm	D mm	Material	Color	Part Number
1/8"	for coupling	145	19	PVC	Blue	IB3826
1/8"	for plug	145	19	PVC	Blue	IB2526
1/4"	for coupling	160	24	PVC	Black	PFE-251-P
1/4"	for plug	160	23	PVC	Black	CFE-252-P
3/8"	for coupling	170	28	PVC	Black	PFE-371-P
3/8"	for plug	170	28	PVC	Black	CFE-372-P
1/2"	for coupling	185	35	PVC	Black	PFE-501-P
1/2"	for plug	185	35	PVC	Black	CFE-502-P
5/8"	for coupling	215	37	PVC	Black	PFE-621-P
5/8"	for plug	215	37	PVC	Black	CFE-622-P
3/4"	for coupling	185	42	PVC	Black	PFE-751-P
3/4"	for plug	185	42	PVC	Black	CFE-752-P
1"	for coupling	240	50	PVC	Black	PFE-1001-P
1"	for plug	240	50	PVC	Black	CFE-1002-P

Further colors on request.

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Cross-Reference-List

Coupling

Body Size	Version	Old Part Number	New Part Number	Page
1/8"	Standard	IF2310	FEM-121-2FB	37
1/4"	Standard	IF2510	FEM-251-4FB	37
1/4"	Standard	IF2510-38	FEM-251-6FB	37
3/8"	Standard	IF3810	FEM-371-6FB	37
3/8"	Standard	IF3810-50	FEM-371-8FB	37
1/2"	Standard	IF5010	FEM-501-8FB	37
1/2"	Standard	IF5010-75	FEM-501-12FB	37
5/8"	Standard	IF6310	FEM-621-12FB	37
3/4"	Standard	IF7510	FEM-751-12FB	37
3/4"	Standard	IF7510-100	FEM-751-16FB	37
1"	Standard	IF10010	FEM-1001-16FB	37
1"	Standard	IF10010-125	FEM-1001-20FB	37
1/4"	Press. Elimin.	IF2511	FEC-251-4FB	38
1/4"	Press. Elimin.	IF2511-38	FEC-251-6FB	38
3/8"	Press. Elimin.	IF3811	FEC-371-6FB	38
3/8"	Press. Elimin.	IF3811-50	FEC-371-8FB	38
1/2"	Press. Elimin.	IF5011	FEC-501-8FB	38
1/2"	Press. Elimin.	IF5011-75	FEC-501-12FB	38
5/8"	Press. Elimin.	IF6311	FEC-621-12FB	38
3/4"	Press. Elimin.	IF7511	FEC-751-12FB	38
3/4"	Press. Elimin.	IF7511-100	FEC-751-16FB	38
1"	Press. Elimin.	IF10011	FEC-1001-16FB	38
1"	Press. Elimin.	IF10011-125	FEC-1001-20FB	38
1/4"	for Multiplate	IF2510 E	FEMP-251-4FB	39
1/4"	for Multiplate	IF2510-38 E	FEMP-251-6FB	39
3/8"	for Multiplate	IF3810 E	FEMP-371-6FB	39
3/8"	for Multiplate	IF3810-50 E	FEMP-371-8FB	39
1/2"	for Multiplate	IF5010 E	FEMP-501-8FB	39
1/2"	for Multiplate	IF5010-75 E	FEMP-501-12FB	39
5/8"	for Multiplate	IF6310 E	FEMP-621-12FB	39
3/4"	for Multiplate	IF7510 E	FEMP-751-12FB	39
3/4"	for Multiplate	IF7510-100 E	FEMP-751-16FB	39
1"	for Multiplate	IF10010 E	FEMP-1001-16FB	39

Plug

Body Size	Version	Old Part Number	New Part Number	Page
1/8"	Standard	IF2320	FEM-122-2FB	37
1/4"	Standard	IF2520	FEM-252-4FB	37
1/4"	Standard	IF2520-38	FEM-252-6FB	37
3/8"	Standard	IF3820	FEM-372-6FB	37
3/8"	Standard	IF3820-50	FEM-372-8FB	37
1/2"	Standard	IF5020	FEM-502-8FB	37
1/2"	Standard	IF5020-75	FEM-502-12FB	37
5/8"	Standard	IF6320	FEM-622-12FB	37
3/4"	Standard	IF7520	FEM-752-12FB	37
3/4"	Standard	IF7520-100	FEM-752-16FB	37
1"	Standard	IF10020	FEM-1002-16FB	37
1"	Standard	IF10020-125	FEM-1002-20FB	37
1/4"	Press. Elimin.	IF2521	FEC-252-4FB	38
1/4"	Press. Elimin.	IF2521-38	FEC-252-6FB	38
3/8"	Press. Elimin.	IF3821	FEC-372-6FB	38
3/8"	Press. Elimin.	IF3821-50	FEC-372-8FB	38
1/2"	Press. Elimin.	IF5021	FEC-502-8FB	38
1/2"	Press. Elimin.	IF5021-75	FEC-502-12FB	38
5/8"	Press. Elimin.	IF6321	FEC-622-12FB	38
3/4"	Press. Elimin.	IF7521	FEC-752-12FB	38
3/4"	Press. Elimin.	IF7521-100	FEC-752-16FB	38
1"	Press. Elimin.	IF10021	FEC-1002-16FB	38
1"	Press. Elimin.	IF10021-125	FEC-1002-20FB	38
1/4"	for Multiplate	IF2520 E	FEMP-252-4FB	39
3/8"	for Multiplate	IF3820 E	FEMP-372-6FB	39
1/2"	for Multiplate	IF5020 E	FEMP-502-8FB	39
5/8"	for Multiplate	IF6320 E	FEMP-622-12FB	39
3/4"	for Multiplate	IF7520 E	FEMP-752-12FB	39
1"	for Multiplate	IF10020 E	FEMP-1002-16FB	39
1/4"	Press. El. for Multiplate	IF2521 E	FECP-252-4FB	39
1/4"	Press. El. for Multiplate	IF2521-38 E	FECP-252-6FB	39
3/8"	Press. El. for Multiplate	IF3821 E	FECP-372-6FB	39
3/8"	Press. El. for Multiplate	IF3821-50 E	FECP-372-8FB	39
1/2"	Press. El. for Multiplate	IF5021 E	FECP-502-8FB	39
1/2"	Press. El. for Multiplate	IF5021-75 E	FECP-502-12FB	39
5/8"	Press. El. for Multiplate	IF6321 E	FECP-622-12FB	39
3/4"	Press. El. for Multiplate	IF7521 E	FECP-752-12FB	39
3/4"	Press. El. for Multiplate	IF7521-100 E	FECP-752-16FB	39
1"	Press. El. for Multiplate	IF10021 E	FECP-1002-16FB	39

⚠ Please consider our security advices on the pages 14/15 ⚠

TEMA Profile

Body Size

1/8" up to 2"

Tema Profile

T-Series

Technical Description
The TEMA Standard Series is characterised by a low pressure drop and maximum flow capacity. The coupling system is available as double shut-off or straight through version. The 2500 can be used also as a single shut-off version.

Super Nipple
Increased hardening for better wear resistance

Advantages
- High operating pressure.
- Compact dimension.
- Due to the Pressure Eliminator version for coupling and plug the connection is possible up to the operating pressure.
- Double safety through a double O-ring seal.
- A safety locking sleeve prevents unintentional disconnection (except series 2300).

Working Pressure
See charts.

Working Temperature
-30°C up to +100°C (NBR)
-25°C up to +200°C (FKM)
depending on the medium.
Special seals are available on request (see page 6).

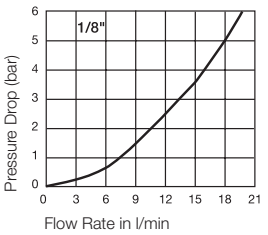
Available Valves

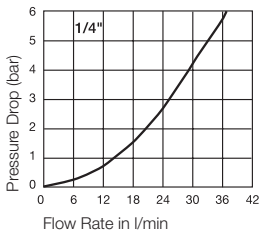
Applications Area

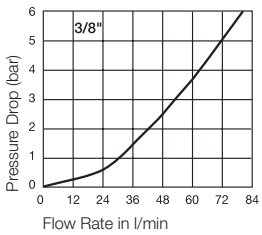
Material Coupling	Standard / Pressure Eliminator	Stainl. Steel / Press. Eli.	High Press. Water (3/8")
Coupling Body	Brass, nickel plated chromated Steel for the 15000 and 20000 sizes	AISI 316	Brass, chromated
Sleeve	Steel hardened, zinc plated, passiv., sealed	AISI 316	Brass, chromated
Locking Ring	Brass, zinc-iron coated, black passiv., sealed	AISI 316	
Valve	Brass	AISI 316	
Springs	AISI 301	AISI 301	AISI 301
Locking Balls	AISI 420 C	AISI 420 C	AISI 420 C
Seals	NBR/FKM	FKM	NBR
Valve Holder (up to 100°C)	Zinc casting N/A in size 2300	AISI 316	
Valve Holder (over 100°C)	Brass	AISI 316	

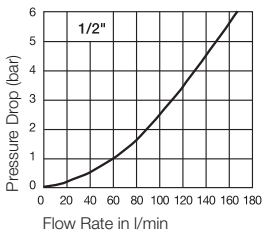
Plug	Standard / Pressure Eliminator	Stainl. Steel / Press. Eli.	High Press. Water (3/8")
Plug Body	Steel hardened, zinc plated, passiv., sealed	AISI 316	AISI 420 hardened
Valve	Brass	AISI 316	
Springs	AISI 301	AISI 301	
Seals	NBR/FKM	FKM	
Valve Holder (up to 100°C)	Zinc Casting N/A for sizes 2300 and 2500	AISI 316	
Valve Holder (over 100°C)	Brass N/A for sizes 2300 and 2500	AISI 316	

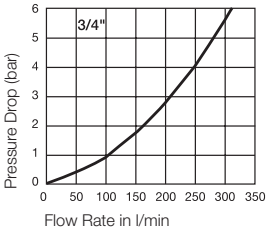
Flow Capacity with Oil with Viscosity of 32cSt at 40°C as per ISO 7241/2-2000

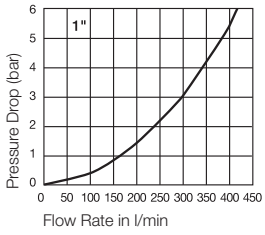


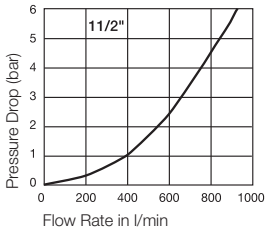


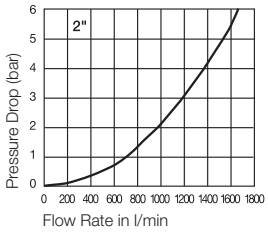












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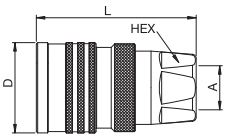
Couplings T-Series

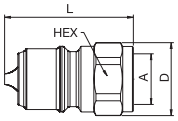
Body Size	Connec-tion A	Hex mm	L mm	D mm	Valve	Working Press. connect. in bar	Version	Seal	Part Number
1/8"	G 1/8	15	38	18	with	200	Standard	NBR	2310-QC
1/8"	G 1/8	15	38	18	with	200	Standard	FKM	2310 V
1/8"	G 1/8	15	38	18	without	200	Standard	NBR	2310 UV
1/8"	G 1/8	15	38	18	without	200	Standard	FKM	2310 VUV
1/4"	G 1/4	21	64	25	with	450	Standard	NBR	2510-QC
1/4"	G 1/4	21	64	25	with	450	Standard	FKM	2510 V
1/4"	G 1/4	21	64	25	without	450	Standard	NBR	2510 UV
1/4"	G 1/4	21	64	25	without	450	Standard	FKM	2510 VUV
3/8"	G 3/8	24	60	34	with	350	Standard	NBR	3810
3/8"	G 3/8	24	60	34	with	350	Standard	FKM	3810 V
3/8"	G 3/8	24	60	34	without	350	Standard	NBR	3810 UV
3/8"	G 3/8	24	60	34	without	350	Standard	FKM	3810 VUV
3/8"	G 3/8	24	40	34	without	350	High Press. Water	NBR	3810 H
3/8"	G 3/8	24	40	34	without	350	High Press. Water	FKM	3810 HV
3/8"	G 3/8	24	40	34	without	350	High Press. Water	EPDM	3810 HEP
3/8"	G 3/8	29	40	34	without	350	High Press. Water	NBR	3810 H2
3/8"	G 3/8	29	40	34	without	350	High Press. Water	FKM	3810 H2V
3/8"	G 3/8	29	40	34	without	350	High Press. Water	EPDM	3810 H2EP
1/2"	G 1/2	30	65	40	with	300	Standard	NBR	5010
1/2"	G 1/2	30	65	40	with	300	Standard	FKM	5010 V
1/2"	G 1/2	30	65	40	without	300	Standard	NBR	5010 UV
1/2"	G 1/2	30	65	40	without	300	Standard	FKM	5010 VUV
3/4"	G 3/4	38	73	52	with	280	Standard	NBR	7510
3/4"	G 3/4	38	73	52	with	280	Standard	FKM	7510 V
3/4"	G 3/4	38	73	52	without	280	Standard	NBR	7510 UV
3/4"	G 3/4	38	73	52	without	280	Standard	FKM	7510 VUV
1"	G 1	45	88	62	with	250	Standard	NBR	10010
1"	G 1	45	88	62	with	250	Standard	FKM	10010 V
1"	G 1	45	88	62	without	250	Standard	NBR	10010 UV
1"	G 1	45	88	62	without	250	Standard	FKM	10010 VUV
1 1/2"	G 1 1/2	60	112	73	with	200	Standard	NBR	15010-QC
1 1/2"	G 1 1/2	60	112	73	with	200	Standard	FKM	15010 V
1 1/2"	G 1 1/2	60	112	73	with	50	Brass	NBR	15010 M
1 1/2"	G 1 1/2	60	112	73	with	50	Brass	FKM	15010 MV
1 1/2"	G 1 1/2	60	112	73	without	200	Standard	NBR	15010 UV
1 1/2"	G 1 1/2	60	112	73	without	200	Standard	FKM	15010 VUV
1 1/2"	G 1 1/2	60	112	73	without	50	Brass	NBR	15010 MUV
1 1/2"	G 1 1/2	60	112	73	without	50	Brass	FKM	15010 MVUV
2"	G 2	75	144	90	with	180	Standard	NBR	20010-QC
2"	G 2	75	144	90	with	180	Standard	FKM	20010 V
2"	G 2	75	144	90	without	180	Standard	NBR	20010 UV
2"	G 2	75	144	90	without	180	Standard	FKM	20010 VUV



Female Thread

⚠ Please consider our security advices on the pages 14/15 ⚠

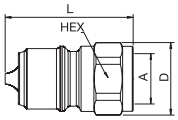
Plugs — T-Series



Female Thread

Body Size	Connection A	Hex mm	L mm	D mm	Valve	Working Press. connect. in bar	Version	Seal	Part Number
1/8"	G 1/8	15	36	17	with	200	Standard	NBR	2320
1/8"	G 1/8	15	38	17	with	200	Standard	FKM	2320 V
1/8"	G 1/8	15	36	17	without	200	Standard		2320 UV
1/4"	G 1/4	19	45	21	with	450	Standard	NBR	2520
1/4"	G 1/4	19	45	21	with	450	Standard	FKM	2520 V
1/4"	G 1/4	19	45	21	without	450	Standard		2520 UV
3/8"	G 3/8	22	42	24	with	350	Standard	NBR	3820
3/8"	G 3/8	22	42	24	with	350	Standard	FKM	3820 V
3/8"	G 3/8	22	38	24	without	350	Standard		3820 UV
1/2"	G 1/2	27	46	30	with	320	Standard	NBR	5020
1/2"	G 1/2	27	46	30	with	320	Standard	FKM	5020 V
1/2"	G 1/2	27	42	30	without	320	Standard		5020 UV
3/4"	G 3/4	36	52	39	with	300	Standard	NBR	7520-QC
3/4"	G 3/4	36	52	39	with	300	Standard	FKM	7520 V
3/4"	G 3/4	36	47	39	without	300	Standard		7520 UV
1"	G 1	46	60	49	with	280	Standard	NBR	10020
1"	G 1	46	60	49	with	280	Standard	FKM	10020 V
1"	G 1	46	53	49	without	280	Standard		10020 UV
1 1/2"	G 1 1/2	60	107	67	with	200	Standard	NBR	15020
1 1/2"	G 1 1/2	60	107	67	with	200	Standard	FKM	15020 V
1 1/2"	G 1 1/2	60	107	67	with	50	Brass	NBR	15020 M
1 1/2"	G 1 1/2	60	107	67	with	50	Brass	FKM	15020 MV
1 1/2"	G 1 1/2	60	107	67	without	200	Standard		15020 UV
1 1/2"	G 1 1/2	60	107	67	without	50	Brass		15020 MUV
2"	G 2	75	142	85	with	180	Standard	NBR	20020-QC
2"	G 2	75	142	85	with	180	Standard	FKM	20020 V
2"	G 2	75	142	85	without	180	Standard	NBR	20020 UV

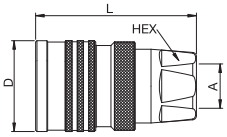
Super Nipple — T-Series



Female Thread

Body Size	Connection A	Hex mm	L mm	D mm	Valve	Working Press. connect. in bar	Version	Seal	Part Number
3/4"	G 3/4	36	52	39	with	300	Standard	NBR	7520 S

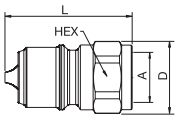
Couplings — T-Series



PE Female Thread

Body Size	Connec-tion A	Hex mm	L mm	D mm	Valve	Working Press. connect. in bar	Version	Seal	Part Number
3/8"	G 3/8	24	60	34	with	350	Press. Eliminator	NBR	3811
3/8"	G 3/8	24	60	34	with	350	Press. Eliminator	FKM	3811 V
1/2"	G 1/2	30	65	40	with	300	Press. Eliminator	NBR	5011
1/2"	G 1/2	30	65	40	with	300	Press. Eliminator	FKM	5011 V
3/4"	G 3/4	38	72	52	with	280	Press. Eliminator	NBR	7511
3/4"	G 3/4	38	72	52	with	280	Press. Eliminator	FKM	7511 V
1"	G 1	45	88	62	with	250	Press. Eliminator	NBR	10011-QC
1"	G 1	45	88	62	with	250	Press. Eliminator	FKM	10011 V
1 1/2"	G 1 1/2	60	112	73	with	200	Press. Eliminator	NBR	15011-QC
1 1/2"	G 1 1/2	60	112	73	with	200	Press. Eliminator	FKM	15011 V

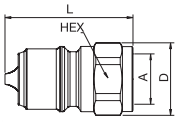
Plugs — T-Series



PE Female Thread

Body Size	Connec-tion A	Hex mm	L mm	D mm	Valve	Working Press. connect. in bar	Version	Seal	Part Number
3/8"	G 3/8	22	43	24	with	350	Press. Eliminator	NBR	3821
3/8"	G 3/8	22	43	24	with	350	Press. Eliminator	FKM	3821 V
1/2"	G 1/2	27	47	30	with	320	Press. Eliminator	NBR	5021-QC
1/2"	G 1/2	27	47	30	with	320	Press. Eliminator	FKM	5021 V
3/4"	G 3/4	36	53	39	with	300	Press. Eliminator	NBR	7521-QC
3/4"	G 3/4	36	53	39	with	300	Press. Eliminator	FKM	7521 V
1"	G 1	46	61	49	with	280	Press. Eliminator	NBR	10021
1"	G 1	46	61	49	with	280	Press. Eliminator	FKM	10021 V
1 1/2"	G 1 1/2	60	107	67	with	200	Press. Eliminator	NBR	15021
1 1/2"	G 1 1/2	60	107	67	with	200	Press. Eliminator	FKM	15021 V

Super Nipple — T-Series

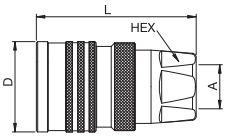


PE Female Thread

Body Size	Connec-tion A	Hex mm	L mm	D mm	Valve	Working Press. connect. in bar	Version	Seal	Part Number
3/4"	G 3/4	36	53	39	with	300	Press. Eliminator	NBR	7521 S

⚠ Please consider our security advices on the pages 14/15 ⚠

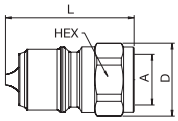
Couplings — T-Series Stainless Steel



Female Thread

Body Size	Connec-tion A	Hex mm	L mm	D mm	Valve	Working Press. connect. in bar [4]	Version	Seal	Part Number
1/8"	G 1/8	15	38	18	with	200	Stainless Steel	FKM	2310 RV
1/8"	G 1/8	15	38	18	with	200	Stainless Steel	FKM	2310 RFV[1]
1/8"	G 1/8	15	38	18	without	200	Stainless Steel	FKM	2310 RVUV
1/4"	G 1/4	21	64	25	with	250	Stainless Steel	FKM	2510 RV
1/4"	G 1/4	21	64	25	without	250	Stainless Steel	FKM	2510 RVUV
3/8"	G 3/8	24	60	34	with	300	Stainless Steel	FKM	3810 RV
3/8"	G 3/8	24	60	34	without	350	Stainless Steel	FKM	3810 RVUV
1/2"	G 1/2	30	65	40	with	300	Stainless Steel	FKM	5010 RV
1/2"	G 1/2	30	65	40	without	300	Stainless Steel	FKM	5010 RVUV
3/4"	G 3/4	38	73	52	with	250	Stainless Steel	FKM	7510 RV
3/4"	G 3/4	38	73	52	without	250	Stainless Steel	FKM	7510 RVUV
1"	G 1	45	88	62	with	250	Stainless Steel	FKM	10010 RV
1"	G 1	45	88	62	without	250	Stainless Steel	FKM	10010 RVUV
1 1/2"	G 1 1/2	60	112	73	with	150	Stainless Steel	FKM	15010 RV
1 1/2"	G 1 1/2	60	112	73	without	150	Stainless Steel	FKM	15010 RVUV
2"	G 2	75	144	90	with	120	Stainless Steel	FKM	20010 RV
2"	G 2	75	144	90	without	120	Stainless Steel	FKM	20010 RVUV

Plugs — T-Series Stainless Steel



Female Thread

Body Size	Connec-tion A	Hex mm	L mm	D mm	Valve	Working Press. connect. in bar [4]	Version	Seal	Part Number
1/8"	G 1/8	15	36	17	with	200	Stainless Steel	FKM	2320 RV
1/8"	G 1/8	15	38	17	with	200	Stainless Steel	FKM	2320 RFV[1]
1/8"	G 1/8	15	36	17	without	200	Stainless Steel		2320 RUV
1/4"	G 1/4	19	45	21	with	250	Stainless Steel	FKM	2520 RV
1/4"	G 1/4	19	45	21	with	250	Stainless Steel	FKM	2520 RFV[1]
1/4"	G 1/4	19	45	21	with	170	High Press. Water	FKM	2520 RFV2[1 3]
1/4"	G 1/4	19	45	21	without	250	Stainless Steel		2520 RUV
1/4"	G 1/4	19	45	21	without	450	Stainless Steel		2520 RHUV[2]
1/4"	G 1/4	19	45	21	without	170	Stainless Steel		2520 RFUV2[2]
3/8"	G 3/8	22	42	24	with	300	Stainless Steel	FKM	3820 RV
3/8"	G 3/8	22	42	24	with	300	Stainless Steel	NBR	3820 RF[1]
3/8"	G 3/8	22	42	24	with	300	Stainless Steel	FKM	3820 RFV[1]
3/8"	G 3/8	22	38	24	without	300	Stainless Steel		3820 RUV
3/8"	G 3/8	22	38	24	without	170	Stainless Steel		3820 RFUV[2]
1/2"	G 1/2	27	46	30	with	300	Stainless Steel	FKM	5020 RV
1/2"	G 1/2	27	42	30	without	300	Stainless Steel		5020 RUV
3/4"	G 3/4	36	52	39	with	250	Stainless Steel	FKM	7520 RV
3/4"	G 3/4	36	47	39	without	250	Stainless Steel		7520 RUV
1"	G 1	46	60	49	with	250	Stainless Steel	FKM	10020 RV
1"	G 1	46	53	49	without	250	Stainless Steel		10020 RUV

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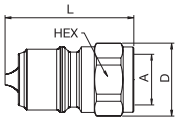
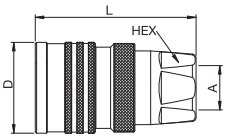
Plugs — T-Series Stainless Steel



Female Thread

Body Size	Connection A	Hex mm	L mm	D mm	Valve	Working Press. connect. in bar [4]	Version	Seal	Part Number
1 1/2"	G 1 1/2	60	107	67	with	150	Stainless Steel	FKM	15020 RV
1 1/2"	G 1 1/2	60	107	67	without	150	Stainless Steel		15020 RUV
2"	G 2	75	142	85	with	120	Stainless Steel	FKM	20020 RV
2"	G 2	75	142	85	without	120	Stainless Steel		20020 RUV

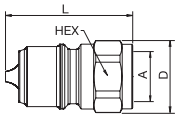
Couplings — T-Series Stainless Steel



PE Female Thread

Body Size	Connection A	Hex mm	L mm	D mm	Valve	Working Press. connect. in bar [4]	Version	Seal	Part Number
3/8"	G 3/8	24	60	34	with	300	Press. Eliminator	FKM	3811 RV
3/8"	G 3/8	24	60	34	with	300	Press. Eliminator	FKM	3811 RFV[1]
1/2"	G 1/2	30	65	40	with	300	Press. Eliminator	FKM	5011 RV
1/2"	G 1/2	30	65	40	with	300	Press. Eliminator	FKM	5011 RFV[1]
3/4"	G 3/4	38	72	52	with	250	Press. Eliminator	FKM	7511 RV
3/4"	G 3/4	38	72	52	with	250	Press. Eliminator	FKM	7511 RFV[1]
1"	G 1	45	88	62	with	250	Press. Eliminator	FKM	10011 RV
1"	G 1	45	88	62	with	250	Press. Eliminator	FKM	10011 RFV

Plugs — T-Series Stainless Steel



PE Female Thread

Body Size	Connection A	Hex mm	L mm	D mm	Valve	Working Press. connect. in bar [4]	Version	Seal	Part Number
3/8"	G 3/8	22	43	24	with	350	Press. Eliminator	FKM	3821 RV
3/8"	G 3/8	22	43	24	with	350	Press. Eliminator	FKM	3821 RFV[1]
1/2"	G 1/2	27	47	30	with	300	Press. Eliminator	FKM	5021 RV
1/2"	G 1/2	27	47	30	with	300	Press. Eliminator	FKM	5021 RFV[1]
3/4"	G 3/4	36	53	39	with	250	Press. Eliminator	FKM	7521 RV
3/4"	G 3/4	36	53	39	with	250	Press. Eliminator	FKM	7521 RFV[1]
1"	G 1	46	61	49	with	250	Press. Eliminator	NBR	10021 RV
1"	G 1	46	61	49	with	250	Press. Eliminator	FKM	10021 RFV[1]

[1] Valve made of brass

[2] Material: AISI 420 hardened

[3] Suitable for high pressure water, AISI 303

[4] For pulsating pressure, the pressure must not exceed 50% of the given value

⚠ Please consider our security advices on the pages 14/15 ⚠

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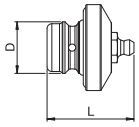
Lubrication Nipples — T-Series



Body Size	Version	L mm	D mm	Part Number
3/8"	for coupling	36	22	GR3-QC
1/2"	for coupling	41	25	GR5
3/4"	for coupling	44	33	GR7
1"	for coupling	46	41	GR10-QC

For problem free operating with longer lifetime – especially in cold climates.

Seal-Kit — T-Series

Body Size	Version	Material	Part Number
1/8"	for coupling	NBR	11310 N
1/8"	for coupling	FKM	11310 V
1/4"	for coupling	NBR	2500-PSN
1/4"	for coupling	FKM	2500-PSV
3/8"	for coupling	NBR	3800-PSN
3/8"	for coupling	FKM	3800-PSV
1/2"	for coupling	NBR	5000-PSN
1/2"	for coupling	FKM	5000-PSV
3/4"	for coupling	NBR	7500-PSN
3/4"	for coupling	FKM	7500-PSV
1"	for coupling	NBR	10000-PSN
1"	for coupling	FKM	10000-PSV
1 1/2"	for coupling	NBR	15000-PSN
1 1/2"	for coupling	FKM	15000-PSV
2"	for coupling	NBR	20000-PSN
2"	for coupling	FKM	20000-PSV

The valve seal is crimped and can not be changed.

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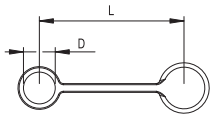
Dust Protection — T-Series



Body Size	Version	L mm	D mm	Material	Color	Part Number
1/8"	for coupling	66	15	PVC	Red	2315-QC
1/8"	for plug	55	13,4	PVC	Red	125-QC
1/4"	for coupling	145	19	PVC	Blue	2516-QC
1/4"	for plug	145	19	PVC	Blue	2526-QC
3/8"	for coupling	145	23	PVC	Blue	3816-QC
3/8"	for plug	145	23	PVC	Blue	3826
3/8"	for coupling	145	23	PVC	Yellow	3816 Y
3/8"	for plug	145	23	PVC	Yellow	3826 Y
1/2"	for coupling	170	28	PVC	Blue	5016-QC
1/2"	for plug	170	28	PVC	Blue	5026-QC
3/4"	for coupling	195	33	PVC	Blue	7516-QC
3/4"	for plug	195	33	PVC	Blue	7526
1"	for coupling	230	42	PVC	Blue	10016
1"	for plug	230	42	PVC	Blue	10026
1 1/2"	for coupling	330	56	PVC	Black	15015
1 1/2"	for plug	330	56	PVC	Black	15025
2"	for coupling	335	63	EBA	Black	20015-QC
2"	for plug	335	63	EBA	Black	20025-QC

When coupling and plug is connected it is recommended to connect dust protections – to keep these clean, too. Further colors on request.

⚠ Please consider our security advices on the pages 14/15 ⚠

TEMA Profile

Body Size

1/2" up to 1"

Tema Profile

TH-Series

Technical Description
The TH series is a further development of the standard hydraulic coupling, with some new materials to stand up to heavy conditions. The body of the coupling is made of steel so that the coupling functions reliably even when subject to substantial lateral forces and high impulses.

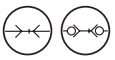
Super Nipple
Increased hardening for better wear resistance

Advantages
- High flow rate – minimum pressure drop.
- Twice as safe through double sealing.
- Safety closing ring prevents unintentional uncoupling.
- Maximum protection against corrosion.
- Small dimensions.
- Pressure eliminator for coupling and plug available. Possible to connect up to working pressure.

Working Pressure
See charts.

Working Temperature
-30°C up to +100°C (NBR)
-25°C up to +200°C (FKM)
depending on the medium.
Special seals are available on request (see page 6).

Available Valves



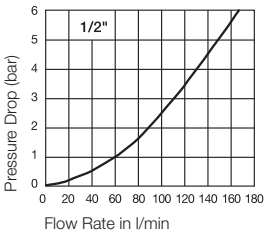
Applications Area

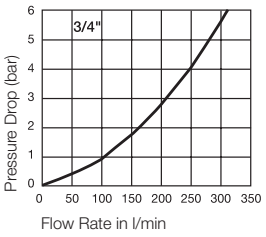
Body Size	Bursting Pressure connected
1/2"	> 1200 bar
3/4"	> 1200 bar
1"	> 1200 bar

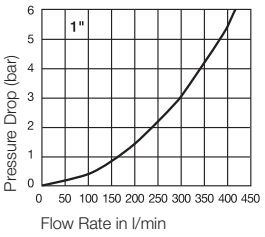
Material Coupling	Standard / Pressure Eliminator
Coupling Body	Steel, zinc plated, passivated, sealed
Sleeve	Steel hardened, zinc plated, passivated, sealed
Locking Ring	Brass, zinc-iron coated, black passivated, sealed
Valve	Brass
Springs	AISI 302
Locking Balls	AISI 420 C
Seals	NBR/FKM
Valve Holder	Brass, hard-drawn

Plug	Standard / Pressure Eliminator
Plug Body	Steel hardened, zinc plated, passivated, sealed
Valve	Brass
Springs	AISI 301
Seals	NBR/FKM
Valve Holder	Brass, hard-drawn

Flow Capacity with Oil with Viscosity of 32cSt at 40°C as per ISO 7241/2-2000







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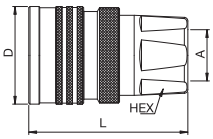
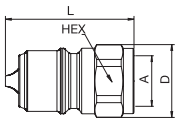
Couplings — TH-Series



Female Thread

Body Size	Connec-tion A	Hex mm	L mm	D mm	Valve	Working Press. connect. in bar	Version	Seal	Part Number
1/2"	G 1/2	30	65	40	with	320	Standard	NBR	H5010
1/2"	G 1/2	30	65	40	with	320	Standard	FKM	H5010 V
3/4"	G 3/4	38	73	52	with	300	Standard	NBR	H7510
3/4"	G 3/4	38	73	52	with	300	Standard	FKM	H7510 V
1"	G 1	45	88	62	with	280	Standard	NBR	H10010
1"	G 1	45	88	62	with	280	Standard	FKM	H10010 V

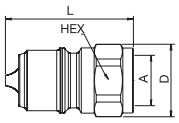
Plugs — TH-Series



Female Thread

Body Size	Connec-tion A	Hex mm	L mm	D mm	Valve	Working Press. connect. in bar	Version	Seal	Part Number
1/2"	G 1/2	27	46	30	with	320	Standard	NBR	5020
1/2"	G 1/2	27	46	30	with	320	Standard	FKM	5020 V
3/4"	G 3/4	36	52	39	with	300	Standard	NBR	7520-QC
3/4"	G 3/4	36	52	39	with	300	Standard	FKM	7520 V
1"	G 1	46	60	49	with	280	Standard	NBR	10020
1"	G 1	46	60	49	with	280	Standard	FKM	10020 V

Super Nipple — TH-Series



Female Thread

Body Size	Connec-tion A	Hex mm	L mm	D mm	Valve	Working Press. connect. in bar	Version	Seal	Part Number
3/4"	G 3/4	36	52	39	with	300	Standard	NBR	7520 S

⚠ Please consider our security advices on the pages 14/15 ⚠

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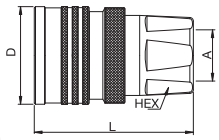
Couplings — TH-Series

Body Size	Connec-tion A	Hex mm	L mm	D mm	Valve	Working Press. connect. in bar	Version	Seal	Part Number
1/2"	G 1/2	30	65	40	with	320	Press. Eliminator	NBR	H5011
1/2"	G 1/2	30	65	40	with	320	Press. Eliminator	FKM	H5011 V
3/4"	G 3/4	38	72	52	with	300	Press. Eliminator	NBR	H7511
3/4"	G 3/4	38	72	52	with	300	Press. Eliminator	FKM	H7511 V
1"	G 1	45	88	62	with	280	Press. Eliminator	NBR	H10011
1"	G 1	45	88	62	with	280	Press. Eliminator	FKM	H10011 V

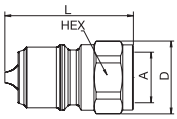


PE

Female Thread

Plugs — TH-Series

Body Size	Connec-tion A	Hex mm	L mm	D mm	Valve	Working Press. connect. in bar	Version	Seal	Part Number
1/2"	G 1/2	27	47	30	with	320	Press. Eliminator	NBR	5021-QC
1/2"	G 1/2	27	47	30	with	320	Press. Eliminator	FKM	5021 V
3/4"	G 3/4	36	53	39	with	300	Press. Eliminator	NBR	7521-QC
3/4"	G 3/4	36	53	39	with	300	Press. Eliminator	FKM	7521 V
1"	G 1	46	61	49	with	280	Press. Eliminator	NBR	10021
1"	G 1	46	61	49	with	280	Press. Eliminator	FKM	10021 V

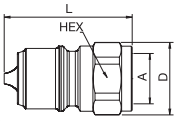


PE

Female Thread

Super Nipple — TH-Series

Body Size	Connec-tion A	Hex mm	L mm	D mm	Valve	Working Press. connect. in bar	Version	Seal	Part Number
3/4"	G 3/4	36	53	39	with	300	Press. Eliminator	NBR	7521 S



PE

Female Thread

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TEMA Profile

Body Size
1/4" up to 1"

Tema Profile
FF-Series

Technical Description
The coupling system of the FF series has double shut-off, dry break and single-handed operation. During disconnection there is no oil loss, and during coupling there is no inclusion of air into the system.

Advantages
- Dry break quick connect coupling.
- With minimum pressure drop.
- Single-handed operation.
- No oil loss during disconnection.
- A safety closing ring prevents unintentional disconnection.
- Twice as safe through double sealing.
- Also available with pressure eliminator, i.e. connection is possible under static/residual pressure up to working pressure.

Working Pressure
See charts.

Working Temperature
-30°C up to +100°C (NBR)
-25°C up to +200°C (FKM)
depending on the medium.
Special seals are available on request (see page 6).

Available Valves

Connected length in total
FF2510 + FF2520 = 122 mm
FF2510 + FF2521 = 147 mm
FF3810 + FF3820 = 125 mm
FF3810 + FF3821 = 154 mm
FF5010 + FF5020 = 145 mm
FF5010 + FF5021 = 177 mm
FF7510 + FF7520 = 169 mm
FF7510 + FF7521 = 215 mm
FF10010 + FF10020 = 230 mm
FF10010 + FF10021 = 269 mm

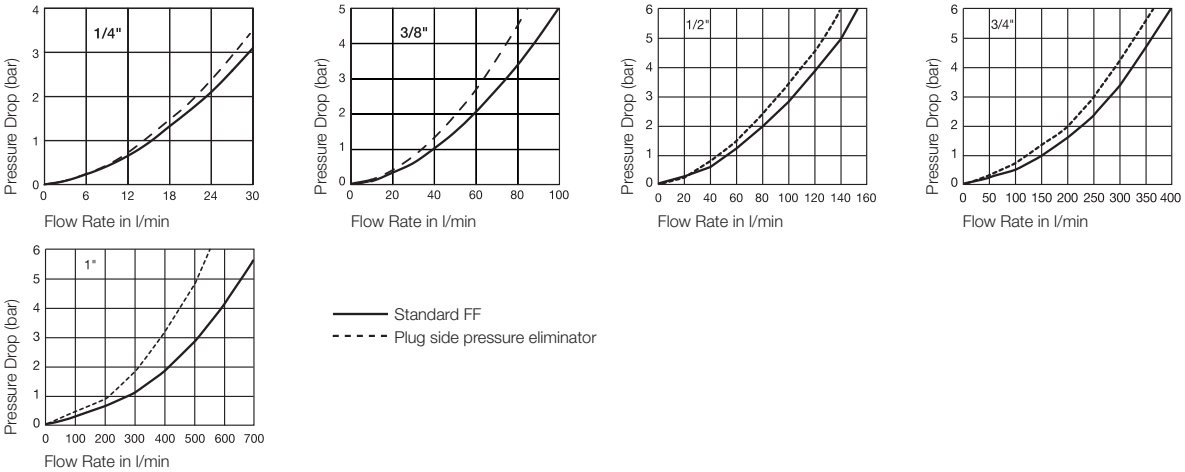
Body Size	Bursting Pressure connected
1/4"	> 3200 bar
3/8"	> 2000 bar
1/2"	> 1500 bar
3/4"	> 1500 bar
1"	> 1100 bar

Applications Area

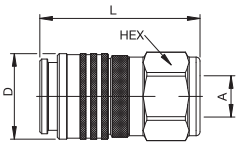
Material Coupling	Standard / Pressure Eliminator
Coupling Body	Steel, nitrocarburizing
Sleeve	Steel hardened, zinc plated, passivated, sealed
Locking Ring	Brass, zinc-iron coated, black passivated, sealed
Valve	Steel, zinc plated, passivated, sealed
Springs	AISI 301
Locking Balls	AISI 420 C
Seals	NBR
Valve Holder	Steel, yellow zinc plated, sealed
Thread Body	Steel, zinc plated, passivated, sealed

Plug	Standard / Pressure Eliminator
Plug Body	Steel hardened, zinc plated, passivated, sealed
Valve	Steel, nitrocarburizing
Springs	AISI 301
Seals	NBR/PUR
Valve Holder	Brass, hard-drawn
Thread Body	Steel, zinc plated, passivated, sealed

Flow Capacity with Oil with Viscosity of 32cSt at 40°C as per ISO 7241/2-2000



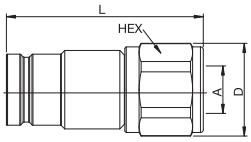
Couplings — FF-Series



Female Thread

Body Size	Connection A	Hex mm	L mm	D mm	Working Press. connect. in bar	Version	Seal	Part Number
1/4"	G 1/4	27	65	30	800	Standard	NBR/PUR	FF2510
3/8"	G 3/8	36	76,5	40	500	Standard	NBR/PUR	FF3810
1/2"	G 1/2	40	82	44	450	Standard	NBR/PUR	FF5010 C
1/2"	G 1/2	40	82	44	450	Standard	FKM	FF5010 CV
1/2"	G 3/4	40	85	44	450	Standard	NBR/PUR	FF5010-75 C
1/2"	G 3/4	40	85	44	450	Standard	FKM	FF5010-75 CV
3/4"	G 3/4	50	98	55	400	Standard	NBR	FF7510 C
3/4"	G 3/4	50	98	55	400	Standard	FKM	FF7510 CV
3/4"	G 1	50	106	55	400	Standard	NBR	FF7510-100 C
3/4"	G 1	50	106	55	400	Standard	FKM	FF7510-100 CV
1"	G 1	65	129	70	350	Standard	NBR	FF10010 C
1"	G 1	65	129	70	350	Standard	FKM	FF10010 CV
1"	G 1 1/4	65	129	70	350	Standard	NBR	FF10010-125 C
1"	G 1 1/4	65	129	70	350	Standard	FKM	FF10010-125 CV
1"	G 1 1/2	65	129	70	350	Standard	NBR	FF10010-150 C
1"	G 1 1/2	65	129	70	350	Standard	FKM	FF10010-150 CV

Plugs — FF-Series

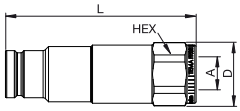


Female Thread

Body Size	Connection A	Hex mm	L mm	D mm	Working Press. connect. in bar	Version	Seal	Part Number
1/4"	G 1/4	27	74	30	800	Standard	NBR/PUR	FF2520
3/8"	G 3/8	32	69	35	500	Standard	NBR/PUR	FF3820
1/2"	G 1/2	36	86	39	450	Standard	NBR/PUR	FF5020 C
1/2"	G 1/2	36	86	39	450	Standard	FKM	FF5020 CV
1/2"	G 3/4	36	90	39	450	Standard	NBR/PUR	FF5020-75 C
1/2"	G 3/4	36	90	39	450	Standard	FKM	FF5020-75 CV
3/4"	G 3/4	46	101	50	400	Standard	NBR/PUR	FF7520 C
3/4"	G 3/4	46	101	50	400	Standard	FKM	FF7520 CV
3/4"	G 1	46	106	50	400	Standard	NBR/PUR	FF7520-100 C
3/4"	G 1	46	106	50	400	Standard	FKM	FF7520-100 CV
1"	G 1	60	140	65	350	Standard	NBR/PUR	FF10020 C
1"	G 1	60	140	65	350	Standard	FKM	FF10020 CV
1"	G 1 1/4	60	140	65	350	Standard	NBR/PUR	FF10020-125 C
1"	G 1 1/4	60	140	65	350	Standard	FKM	FF10020-125 CV
1"	G 1 1/2	60	142	65	350	Standard	NBR/PUR	FF10020-150 C
1"	G 1 1/2	60	142	65	350	Standard	FKM	FF10020-150 CV

⚠ Please consider our security advices on the pages 14/15 ⚠

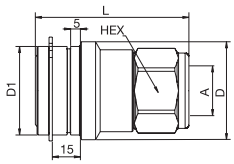
Plugs — FF-Series



PE Female Thread

Body Size	Connection A	Hex mm	L mm	D mm	D1 mm	Working Press. connect. in bar	Version	Seal	Part Number
1/4"	G 1/4	27	99	30		800	Press. Eliminator	NBR/PUR	FF2521
3/8"	G 3/8	32	98	35		500	Press. Eliminator	NBR/PUR	FF3821
1/2"	G 1/2	36	117	39		450	Press. Eliminator	NBR/PUR	FF5021 C
1/2"	G 1/2	36	117	39		450	Press. Eliminator	FKM	FF5021 CV
3/4"	G 3/4	46	139	50		400	Press. Eliminator	NBR/PUR	FF7521 C
1"	G 1	55	175	60		350	Press. Eliminator	NBR/PUR	FF10021 C

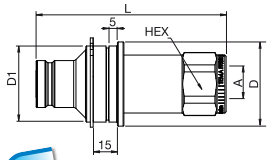
Couplings — FF-Series



Female Thread

Body Size	Connection A	Hex mm	L mm	D mm	D1 mm	Working Press. connect. in bar	Version	Seal	Part Number
1/2"	G 1/2	40	82	52	47	450	for Muliplate	NBR	FF5010 CE
1/2"	G 1/2	40	82	52	47	450	for Muliplate	FKM	FF5010 CEV
3/4"	G 3/4	50	98	66	60	400	for Muliplate	NBR	FF7510 CE
3/4"	G 3/4	50	98	66	60	400	for Muliplate	FKM	FF7510 CEV

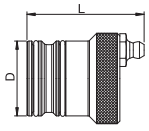
Plugs — FF-Series



PE Female Thread

Body Size	Connection A	Hex mm	L mm	D mm	D1 mm	Working Press. connect. in bar	Version	Seal	Part Number
1/2"	G 1/2	36	117	52	47	450	Press. El. f. Multiplate	NBR/PUR	FF5021 CE
3/4"	G 3/4	46	139	65	60	400	Press. El. f. Multiplate	NBR/PUR	FF7521 CE

Lubrication Nipples — FF-Series



Body Size	Version	L mm	D mm	Part Number
1/2"	for coupling	48	29	GRF5
3/4"	for coupling	52	38	GRF7
1"	for coupling	52	50	GRF10

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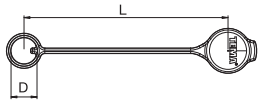
Seal-Kit — FF-Series

Body Size	Version	Material	Part Number
1/4"	for plugs	NBR/PUR	FF2500-PSNPU
3/8"	for plugs	NBR/PUR	FF3800-PSNPU
1/2"	for plugs	NBR/PUR	FF5000-PSNPU
1/2"	for plugs	FKM	FF5000-PSV
3/4"	for plugs	NBR/PUR	FF7500-PSNPU
3/4"	for plugs	FKM	FF7500-PSV
1"	for plugs	NBR/PUR	FF10000-PSNPU
1"	for plugs	FKM	FF10000-PSV

Dust Protection — FF-Series



Body Size	Version	L mm	D mm	Material	Color	Part Number
1/4"	for coupling	190	24	PVC	Blue	FF2516
1/4"	for plug	190	24	PVC	Blue	FF2526
3/8"	for coupling	190	28	PVC	Blue	FF3816
3/8"	for plug	190	28	PVC	Blue	FF3826
1/2"	for coupling	220	28	PVC	Blue	FF5016
1/2"	for plug	220	28	PVC	Blue	FF5026
3/4"	for coupling	250	42	PVC	Blue	FF7516
3/4"	for plug	250	42	PVC	Blue	FF7526
1"	for coupling	290	51	PVC	Blue	FF10016
1"	for plug	290	51	PVC	Blue	FF10026

Further colors on request.

⚠ Please consider our security advices on the pages 14/15 ⚠

Body Size

1/4" up to 3/4"

Parker Profile

SM-Series

Technical Description
Standard design with ball locking mechanism for high pressure applications. Rugged construction.

Advantages
Body size 1/2" and above feature PTFE back up ring which prevents seal washout at high flow rates. Solid steel bar-stock construction: induction-hardened for a coupling with maximum resistance to damage to hydraulic and mechanical shock and brinelling.

A poppet with a crimped seal assures a maximum sealing at low flow rates and prevents seal washout at high flow rates.

Applications
- Mobile equipment
- Industrial maintenance

Working Temperature
-40°C up to +110°C (NBR) depending on the medium. Special seals are available on request (see page 6).

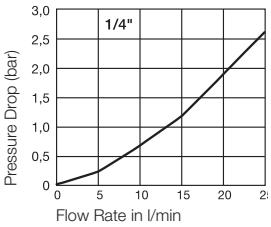
Working Pressure

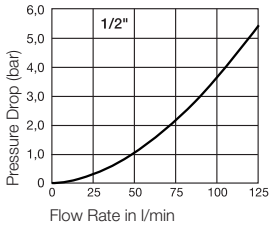
Body Size	Max. Operating Pressure connected
1/4"	410 bar
1/2"	410 bar
3/4"	310 bar

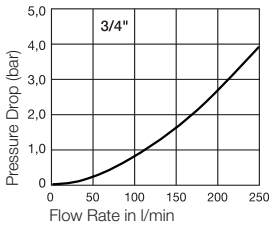
Material Coupling	Steel
Coupling Body	Steel
Sleeve	Steel
Back-up Ring	PTFE
Valve	Steel
Springs	Steel
Locking Balls	Steel
Seals	NBR
Valve Holder	Steel

Material Plug	Steel
Plug Body	Steel
Valve	Steel
Springs	Steel
Seals	NBR
Valve Holder	Steel

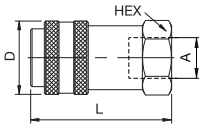
Flow Capacity with Oil with Viscosity of 43cSt at 38°C as per ISO 7241/2-2000







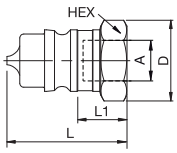
Couplings — SM-Series



Female Thread

Body Size	Connection A	Thread	Hex	L mm	L1* mm	D mm	Version	Weight gr.	Part Number
1/4"	1/4"	BSPP	3/4"	56,9		26,9	Steel	118	SM-251-4FB
1/4"	1/4" - 18	NPTF	3/4"	53,1		26,9	Steel	110	SM-251-4FP
1/4"	3/8"	BSPP	15/16"	56,9		26,9	Steel	118	SM-251-6FB
1/4"	3/8" - 18	NPTF	15/16"	56,9		26,9	Steel	123	SM-251-6FP
1/2"	1/2"	BSPP	1 1/4"	76,2		39,6	Steel	336	SM-501-8FB
1/2"	1/2" - 14	NPTF	1 1/4"	76,2		39,6	Steel	319	SM-501-8FP
1/2"	3/4"	BSPP	1 3/8"	80,3		39,6	Steel	386	SM-501-12FB
1/2"	3/4" - 14	NPTF	1 3/8"	78		39,6	Steel	381	SM-501-12FP
3/4"	3/4"	BSPP	1 5/8"	98,8		56,4	Steel	853	SM-751-12FB
3/4"	3/4" - 14	NPTF	1 5/8"	95,8		56,4	Steel	822	SM-751-12FP
3/4"	1"	BSPP	1 5/8"	101,1		56,4	Steel	857	SM-751-16FB
3/4"	1" - 11 1/2	NPTF	1 5/8"	101,1		56,4	Steel	838	SM-751-16FP

Plugs — SM-Series



Female Thread

Body Size	Connection A	Thread	Hex	L mm	L1* mm	D mm	Version	Weight gr.	Part Number
1/4"	1/4"	BSPP	3/4"	41,7	21,6	22,1	Steel	41	SM-252-4FB
1/4"	1/4" - 18	NPTF	3/4"	37,8	17,8	22,1	Steel	33	SM-252-4FP
1/4"	3/8"	BSPP	15/16"	41,7	25,7	27,4	Steel	41	SM-252-6FB
1/4"	3/8" - 18	NPTF	15/16"	41,7	25,7	27,4	Steel	67	SM-252-6FP
1/2"	1/2"	BSPP	1 1/16"	51,1	16,5	31,2	Steel	82	SM-502-8FB
1/2"	1/2" - 14	NPTF	1 1/16"	51,1	23,4	31,2	Steel	70	SM-502-8FP
1/2"	3/4"	BSPP	1 3/8"	66,8	27,9	40,4	Steel	156	SM-502-12FB
1/2"	3/4" - 14	NPTF	1 3/8"	58,7	20,3	40,4	Steel	151	SM-502-12FP
3/4"	3/4"	BSPP	1 1/2"	66	18,5	43,9	Steel	254	SM-752-12FB
3/4"	3/4" - 14	NPTF	1 1/2"	63	15	43,9	Steel	231	SM-752-12FP
3/4"	1"	BSPP	1 5/8"	68,3	22,1	47,8	Steel	308	SM-752-16FB
3/4"	1" - 11 1/2	NPTF	1 5/8"	68,3	22,1	47,8	Steel	278	SM-752-16FP

* Exposed length. This dimension represents the portion that is exposed when the nipple is inserted into the mating Parker coupler.

⚠ Please consider our security advices on the pages 14/15 ⚠

Dust Protection — SM-Series

	Body Size	Version	Material	Part Number
	1/4"	for coupling	Rubber	PR-25
	1/2"	for coupling	Rubber	DP-50
	1/4"	for plug	Rubber	CR-25
	1/2"	for plug	Rubber	DC-50
	1/4"	for coupling	Aluminium	P-25
	1/2"	for coupling	Aluminium	P-50
	3/4"	for coupling	Aluminium	P-75
	1/4"	for plug	Aluminium	C-25
	1/2"	for plug	Aluminium	C-50
	3/4"	for plug	Aluminium	C-75

Seal-Kit — SM-Series

	Body Size	Version	Material	Part Number
	1/4"	Seal	NBR	020113N0674
	1/2"	Seal	NBR	020211N0674
	1/2"	Back-up ring	PTFE	50014-211
	3/4"	Seal	NBR	020219N0674
	3/4"	Back-up ring	PTFE	50014-219

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Body Size

1/8" up to 1 1/2"

Parker Profile

ST-Series

Technical Description
Non-valved couplings.
Maximal flow. Minimal pressure drop. Easy cleaning.
This series is also manufactured as an alternative in steel and AISI 316 material.

Advantages
No valving allows minimal pressure drop, maximal flow and easy cleaning. The ball locking mechanism with eight balls to distributes the work load assures low wearing and good alignement of the couplings. High resistance to brinelling due to heat treated nipples.

Applications
- Food industry
- High pressure water and steam washers
- Dye transfer lines
- Mold coolant lines
- Carpet cleaners

Working Temperature
-40°C up to +110°C (NBR) depending on the medium. Special seals are available on request (see page 6).

Sleeve-Lock
ST series couplers can be furnished with locking sleeves. Place suffix letters **SL** (Sleeve-lock) after regular catalog numbers.
Example: **SST-4M-SL**

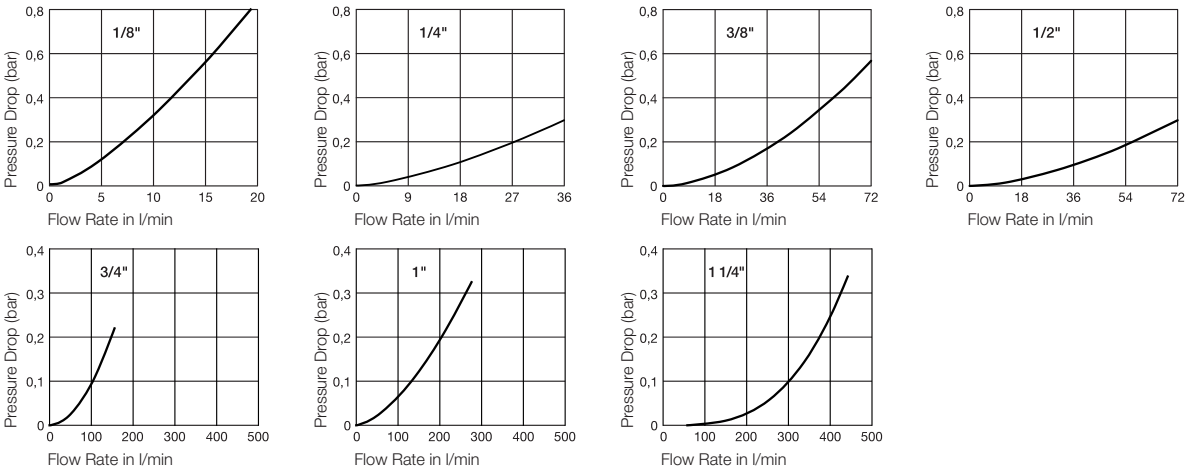
Working Pressure

Body Size	Brass	Stainless Steel
1/8"	175 bar	290 bar
1/4"	360 bar	460 bar
3/8"	185 bar	380 bar
1/2"	150 bar	210 bar
3/4"	120 bar	210 bar
1"	80 bar	120 bar
1 1/4"	120 bar	
1 1/2"	95 bar	

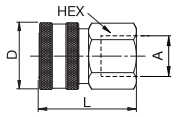
Material Coupling	Brass	Stainless Steel
Coupling Body	Brass	AISI 303
Sleeve	Brass	AISI 303
Back-up Ring	AISI 303	AISI 303
Valve	AISI 303	AISI 303
Seals	NBR	NBR
Locking Balls	Brass	AISI 303

Material Plug	Brass	Stainless Steel
Plug Body	Brass	AISI 303

Flow Capacity with Oil with Viscosity of 43cSt at 38°C as per ISO 7241/2-2000

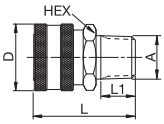


Couplings — ST-Series Brass



Female Thread

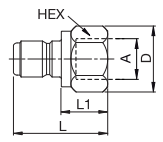
Body Size	Connection A	Thread	Hex	L mm	L1 mm	L2 mm	D mm	Bore mm	Version	Weight gr.	Part Number
1/8"	1/8"- 27	NPTF	9/16"	25,4			17,5	4,4	Brass	29	BST-1
1/4"	1/4"	BSPP	13/16"	39,1			23,8	6,4	Brass	85	BST-2-BSPP
1/4"	1/4" - 18	NPTF	13/16"	37,3			23,8	6,4	Brass	83	BST-2
3/8"	3/8"	BSPP	1"	41,7			29,0	9,5	Brass	122	BST-3-BSPP
3/8"	3/8" - 18	NPTF	1"	41,8			29,0	9,5	Brass	130	BST-3
1/2"	1/2"	BSPP	1 1/8"	50,3			33,3	11,9	Brass	186	BST-4-BSPP
1/2"	1/2"-14	NPTF	1 1/8"	48,5			33,3	11,9	Brass	189	BST-4
3/4"	3/4"	BSPP	1 7/16"	54,6			41,7	18,3	Brass	294	BST-6-BSPP
3/4"	3/4" - 14	NPTF	1 7/16"	52,1			41,7	18,3	Brass	316	BST-6
1"	1"	BSPP	1 3/4"	61,7			50,8	23,8	Brass	467	BST-8-BSPP
1"	1" - 11 1/2	NPTF	1 3/4"	58,7			50,8	23,8	Brass	477	BST-8
1 1/4"	1 1/4" -11 1/2	NPTF	2"	62,0			64,0	30,2	Brass	720	BST-10
1 1/4"	1 1/2"-11 1/2	NPTF	2 1/2"	72,9			76,2	38,1	Brass	1176	BST-12



Male Thread

Body Size	Connection A	Thread	Hex	L mm	L1 mm	L2 mm	D mm	Bore mm	Version	Weight gr.	Part Number
1/8"	1/8" - 27	NPTF	9/16"	26,9	9,5		17,5	4,4	Brass	24	BST-1M
1/4"	1/4" - 18	NPTF	13/16"	42,9	13,5		23,8	6,4	Brass	92	BST-2M
3/8"	3/8" - 18	NPTF	1"	44,5	14,5		29,0	9,5	Brass	108	BST-3M
1/2"	1/2" - 14	NPTF	1 1/8"	50,5	19,1		33,3	11,9	Brass	152	BST-4M
3/4"	3/4" - 14	NPTF	1 7/16"	55,1	13,9		41,7	18,3	Brass	227	BST-6M
1"	1" - 11 1/2	NPTF	1 3/4"	64,3	25,4		50,8	23,8	Brass	402	BST-8M

Plugs — ST-Series Brass

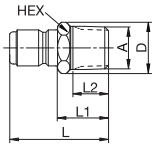


Female Thread

Body Size	Connection A	Thread	Hex	L mm	L1 mm	L2 mm	D mm	Bore mm	Version	Weight gr.	Part Number
1/8"	1/8" - 27	NPTF	9/16"	24,6	14,3		16,4	4,4	Brass	15	BST-N1
1/4"	1/4"	BSPP	3/4"	37,1	18,1		21,9	6,4	Brass	40	BST-N2-BSPP
1/4"	1/4" - 18	NPTF	3/4"	37,1	18,1		21,9	6,4	Brass	48	BST-N2
3/8"	3/8"	BSPP	7/8"	41,9	19,1		25,6	9,5	Brass	57	BST-N3-BSPP
3/8"	3/8" - 18	NPTF	7/8"	41,3	19,1		25,6	9,5	Brass	58	BST-N3
1/2"	1/2"	BSPP	1 1/8"	48,5	24,7		32,9	11,9	Brass	110	BST-N4-BSPP
1/2"	1/2" - 14	NPTF	1 1/8"	48,5	24,7		32,9	11,9	Brass	114	BST-N4
3/4"	3/4"	BSPP	1 3/8"	54,5	26,5		40,2	18,3	Brass	172	BST-N6-BSPP
3/4"	3/4" - 14	NPTF	1 3/8"	54,5	26,5		40,2	18,3	Brass	175	BST-N6
1"	1"	BSPP	1 5/8"	59,6	29,0		47,5	23,8	Brass	271	BST-N8-BSPP
1"	1" - 11 1/2	NPTF	1 5/8"	59,6	29,0		47,5	23,8	Brass	240	BST-N8
1 1/4"	1 1/4" -11 1/2	NPTF	2"	60,3	29,2		58,4	30,2	Brass	482	BST-N10
1 1/2"	1 1/4" -11 1/2	NPTF	2 3/8"	71,3	29,7		69,5	38,1	Brass	688	BST-N12

⚠ Please consider our security advices on the pages 14/15 ⚠

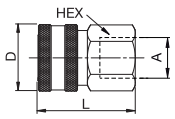
Plugs — ST-Series Brass



Male Thread

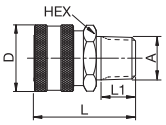
Body Size	Connection A	Thread	Hex	L mm	L1 mm	L2 mm	D mm	Bore mm	Version	Weight gr.	Part Number
1/8"	1/8"-27	NPTF	7/16"	26,3	15,9	9,5	12,8	4,4	Brass	11	BST-N1M
1/4"	1/4"-18	NPTF	9/16"	38,8	19,8	13,5	16,4	6,4	Brass	27	BST-N2M
1/4"	1/4"	BSPT	9/16"	38,8	19,8	8,4	16,4	6,4	Brass	31	BST-N2M-BSPT
3/8"	3/8"-18	NPTF	11/16"	42,9	20,7	14,5	20,1	9,5	Brass	40	BST-N3M
3/8"	3/8"	BSPT	11/16"	42,9	20,7	8,7	20,1	9,5	Brass	39	BST-N3M-BSPT
1/2"	1/2"-14	NPTF	7/8"	49,2	25,4	19,1	25,6	11,9	Brass	68	BST-N4M
1/2"	1/2"	BSPT	7/8"	49,2	25,4	11,3	25,6	11,9	Brass	67	BST-N4M-BSPT
3/4"	3/4"-14	NPTF	1 1/16"	55,7	27,8	13,9	31,0	18,3	Brass	107	BST-N6M
3/4"	3/4"	BSPT	1 1/16"	55,7	27,8	12,7	31,0	18,3	Brass	107	BST-N6M-BSPT
1"	1"-11 1/2	NPTF	1 3/8"	63,7	33,1	25,4	40,2	23,8	Brass	208	BST-N8M
1"	1"	BSPT	1 3/8"	63,7	33,1	14,4	40,2	23,8	Brass	238	BST-N8M-BSPT

Couplings — ST-Series Stainless Steel



Female Thread

Body Size	Connection A	Thread	Hex	L mm	L1 mm	L2 mm	D mm	Bore mm	Version	Weight gr.	Part Number
1/8"	1/8"-27	NPTF	9/16"	25,4			17,5	4,4	AISI 303	23	SST-1
1/4"	1/4"	BSPP	13/16"	39,1			23,8	6,4	AISI 303	74	SST-2-BSPP
1/4"	1/4"-18	NPTF	13/16"	37,3			23,8	6,4	AISI 303	75	SST-2
3/8"	3/8"	BSPP	1"	41,7			29,0	9,5	AISI 303	115	SST-3-BSPP
3/8"	3/8"-18	NPTF	1"	40,4			29,0	9,5	AISI 303	117	SST-3
1/2"	1/2"	BSPP	1 1/8"	50,3			33,3	11,9	AISI 303	172	SST-4-BSPP
1/2"	1/2"-14	NPTF	1 1/8"	48,5			33,3	11,9	AISI 303	174	SST-4
3/4"	3/4"	BSPP	1 7/16"	54,6			41,7	18,3	AISI 303	268	SST-6-BSPP
3/4"	3/4"-14	NPTF	1 7/16"	52,1			41,7	18,3	AISI 303	304	SST-6
1"	1"-11 1/2	NPTF	1 3/4"	58,7			50,8	23,8	AISI 303	519	SST-8



Male Thread

Body Size	Connection A	Thread	Hex	L mm	L1 mm	L2 mm	D mm	Bore mm	Version	Weight gr.	Part Number
1/8"	1/8"-27	NPTF	9/16"	26,9	9,5		17,5	4,4	AISI 303	22	SST-1M
1/4"	1/4"-18	NPTF	13/16"	42,9	13,5		23,8	6,4	AISI 303	71	SST-2M
3/8"	3/8"-18	NPTF	1"	44,5	14,5		29,0	9,5	AISI 303	100	SST-3M
1/2"	1/2"-14	NPTF	1 1/8"	50,5	19,1		33,3	11,9	AISI 303	149	SST-4M
3/4"	3/4"-14	NPTF	1 7/16"	55,1	13,9		41,7	18,3	AISI 303	211	SST-6M
1"	1"-11 1/2	NPTF	1 3/4"	64,3	25,4		50,8	23,8	AISI 303	385	SST-8M

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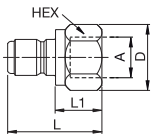
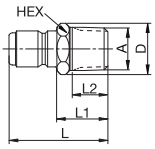
Plugs — ST-Series Stainless Steel



Female Thread

Body Size	Connection A	Thread	Hex	L mm	L1 mm	L2 mm	D mm	Bore mm	Version	Weight gr.	Part Number
1/8"	1/8"-27	NPTF	9/16"	24,8	14,3		16,4	4,4	AISI 303	17	SST-N1
1/4"	1/4"	BSPP	3/4"	37,1	18,1		21,9	6,4	AISI 303	36	SST-N2-BSPP
1/4"	1/4"-18	NPTF	3/4"	37,1	18,1		21,9	6,4	AISI 303	36	SST-N2
3/8"	3/8"	BSPP	7/8"	41,3	19,1		25,6	9,5	AISI 303	53	SST-N3-BSPP
3/8"	3/8"-18	NPTF	7/8"	41,3	19,1		25,6	9,5	AISI 303	50	SST-N3
1/2"	1/2"	BSPP	1 1/8"	48,5	24,7		32,9	11,9	AISI 303	103	SST-N4-BSPP
1/2"	1/2"-14	NPTF	1 1/8"	48,5	24,7		32,7	11,9	AISI 303	105	SST-N4
3/4"	3/4"	BSPP	1 3/8"	54,5	26,5		40,2	18,3	AISI 303	156	SST-N6-BSPP
3/4"	3/4"-14	NPTF	1 3/8"	54,5	26,5		40,2	18,3	AISI 303	169	SST-N6
1"	1"-11 1/2	NPTF	1 5/8"	59,6	29,0		47,5	23,8	AISI 303	272	SST-N8



Male Thread

Body Size	Connection A	Thread	Hex	L mm	L1 mm	L2 mm	D mm	Bore mm	Version	Weight gr.	Part Number
1/8"	1/8"-27	NPTF	7/16"	26,3	15,9	9,5	12,8	4,4	AISI 303	10	SST-N1M
1/4"	1/4"-18	NPTF	9/16"	38,8	19,8	13,5	16,4	6,4	AISI 303	24	SST-N2M
3/8"	3/8"-18	NPTF	11/16"	42,9	20,7	14,5	20,1	9,5	AISI 303	41	SST-N3M
1/2"	1/2"-14	NPTF	7/8"	49,2	25,4	19,1	25,6	11,9	AISI 303	64	SST-N4M
3/4"	3/4"-14	NPTF	1 1/16"	55,7	27,8	13,9	31,0	18,3	AISI 303	100	SST-N6M
1"	1"-11 1/2	NPTF	1 3/8"	63,7	33,1	25,4	40,2	23,8	AISI 303	198	SST-N8M

Seal-Kit — ST-Series

Body Size	Version	Material	Part Number
1/8"	Seal	NBR	020010N0674
1/4"	Seal	NBR	020110N0674
3/8"	Seal	NBR	020112N0674
1/2"	Seal	NBR	020114N0674
3/4"	Seal	NBR	020212N0674
1"	Seal	NBR	020217N0674
1 1/4"	Seal	NBR	020222N0674
1 1/2"	Seal	NBR	020327N0674

⚠ Please consider our security advices on the pages 14/15 ⚠

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Body Size

3/8" up to 1"

Parker Profile

NS-Series

Medium Pressure

Technical Description
The NS series is unique among non spill types in having a recess on the female side to help locate the male during connection, making the process easy even in „blind" conditions. Minimal fluid loss during disconnection. NS couplings have minimal pressure drop and minimal inclusion of air or dust during connection.

Advantages
Push to connect system: Push on the male tip to connect. Flush-faced poppet valve for reduced spillage during connection/disconnection. The seal is crimped to prevent seal washout at high flow rates.
Solid steel barstock construction: induction-hardened for a quality coupling with maximum resistance to damage from hydraulic and mechanical shock and brinelling. A safety sleeve lock prevents accidental disconnection. Sleeve is rotated to the stop to engage the lock.

Applications
- Maintenance of high-voltage power transmission lines
- Construction, railway maintenance and mining industry
- Inplant use where oil spillage can create a hazard
- Overhead bucket hoists

Working Temperature
-40°C up to +110°C (NBR) depending on the medium. Special seals are available on request (see page 6).

Working Pressure

Body Size	Max. Operating Pessure connected
3/8"	175 bar
1/2"	175 bar
3/4"	175 bar
1"	175 bar

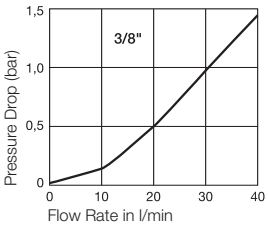
Leckage and Air Inclusion

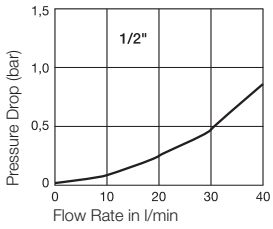
Body Size	Spillage max. per disconnection	Air inclusion max. per disconnection
3/8"	0,020 ml	0,010 ml
1/2"	0,070 ml	0,020 ml
3/4"	0,150 ml	0,050 ml
1"	0,220 ml	0,070 ml

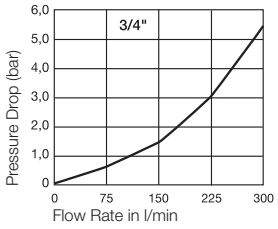
Material Coupling	Standard
Coupling Body	Steel
Sleeve	Steel
Back-up Ring	PTFE
Valve	Steel
Springs	Steel
Locking Balls	Stainless Steel
Seals	NBR

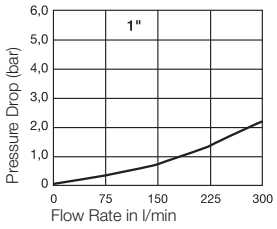
Material Plug	Standard
Plug Body	Steel
Valve	Steel
Springs	Steel
Seals	NBR
Valve Holder	Aluminium

Flow Capacity with Oil with Viscosity of 43cSt at 38°C as per ISO 7241/2-2000

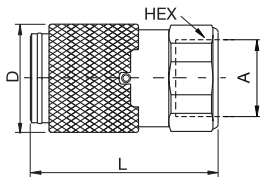








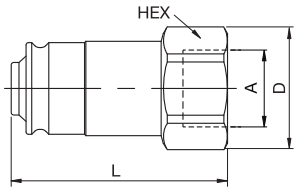
Couplings NS-Series



Female Thread*

Body Size	Connection A	Thread	Hex	L mm	L1 mm	D mm	Version	Weight gr.	Part Number
3/8"	3/8"	BSPP	1 1/16"	53,3		28,7	Steel	164	NS-371-6FB
3/8"	3/8" - 18	NPSF	1 1/16"	53,3		28,7	Steel	174	NS-371-6FP
1/2"	1/2"	BSPP	1 1/4"	75,4		39,2	Steel	373	NS-501-8FB
1/2"	1/2" - 14	NPSF	1 1/4"	73,2		39,2	Steel	389	NS-501-8FP
3/4"	3/4"	BSPP	1 9/16"	85,3		49,8	Steel	711	NS-751-12FB
3/4"	3/4" - 14	NPSF	1 9/16"	81		49,8	Steel	694	NS-751-12FP
1"	1"	BSPP	1 3/4"	96,8		57,2	Steel	775	NS-1001-16FB
1"	1" - 11 1/2	NPSF	1 3/4"	94		57,2	Steel	1065	NS-1001-16FP

Plugs NS-Series



Female Thread*

Body Size	Connection A	Thread	Hex	L mm	L1 mm	D mm	Version	Weight gr.	Part Number
3/8"	3/8"	BSPP	15/16"	31,8	45,2	27,4	Steel	70	NS-372-6FB
3/8"	3/8" - 18	NPSF	15/16"	29,7	43,2	27,4	Steel	73	NS-372-6FP
1/2"	1/2"	BSPP	1 1/16"	21,1	49,5	31,2	Steel	106	NS-502-8FB
1/2"	1/2" - 14	NPSF	1 1/16"	17,5	46	31,2	Steel	96	NS-502-8FP
3/4"	3/4"	BSPP	1 3/8"	34	62,7	40,4	Steel	233	NS-752-12FB
3/4"	3/4" - 14	NPSF	1 3/8"	28,4	57,2	40,4	Steel	237	NS-752-12FP
1"	1"	BSPP	1 5/8"	42,7	70,6	47,8	Steel	355	NS-1002-16FB
1"	1" - 11 1/2	NPSF	1 5/8"	39,1	67,1	47,8	Steel	326	NS-1002-16FP

*NPSF threads in this series are straight (cylindrical) instead of trapered. These threads are primalrily intended for assembly with full length NPTF external taper threads.

Dust Protection NS-Series

Body Size	Version	Material	Part Number
3/8"	for coupling and plug	Thermoplastic	NR-37
1/2"	for coupling and plug	Thermoplastic	NR-50
3/4"	for coupling and plug	Thermoplastic	NR-75
1"	for coupling and plug	Thermoplastic	NR-100

⚠ Please consider our security advices on the pages 14/15 ⚠

Nominal Diameter

6/9/12

Parker Profile

NSR-Series

Medium Pressure

Applications Area

Technical Description
Dry-Break coupling system for Railway applications with a minimmal pressure drop.

The NSR series is certified according to the shock and vibration test DIN EN 61373:1999 (railway applications, rolling stock equipment) as well as DIN EN 60068-2-64 (vibration, broad-band random) and DIN EN 60068-2-27 (shock).

Advantages
Dry-break poppet valve for reduced spillage during connection/disconnection. When connected, the external seal prevents any ingress of contaminants (brake dust, road salt, water). Hardened stainless steel construction.

Working Temperature
-54°C up to +80°C (NBR) (connected)
-40°C up to +60°C (NBR) (for the disconnection) depending on the medium.

Special seals are available on request.

Dry-Break

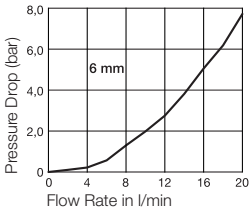
Max. Working Pressure
160 bar

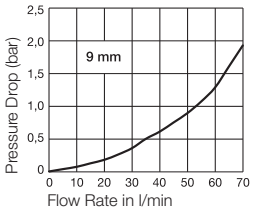
Material

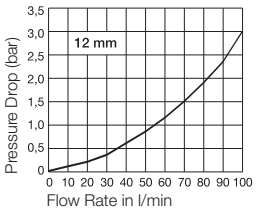
Coupling:	Stainless Steel
Plug:	Stainless Steel
Seals:	NBR

Applications
- Hydraulic Braking Systems

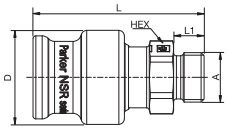
Flow diagrams with Oil with Viscosity of 43cSt at 38°C as per ISO 7241/2-2000







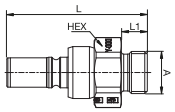
Couplings – flat sealing — Series NSR



Male Thread

DN	Connection A	HEX mm	L mm	L1 mm	D mm	Part Number
6	M 14 x 1,5	24	61	10	34,5	NSR-251-14MCL
6	M 16 x 1,5	24	86	35	34,5	NSR-251-16HMCL
6	M 16 x 1,5	24	62	11	34,5	NSR-251-16MCL
9	G 3/8	27	80	12	41	NSR-371-6MBO
12	G 1/2	35	111	12	53	NSR-501-8MBO

Plugs – flat sealing — Series NSR



Male Thread

DN	Connection A	HEX mm	L mm	L1 mm	D mm	Part Number
6	M 14 x 1,5	24	81	34		NSR-252-14HMCL
6	M 16 x 1,5	24	83,5	35		NSR-252-16HMCL
6	M 16 x 1,5	24	59,5	11		NSR-252-16MCL
6	G 1/4	24	59,5	12,1		NSR-252-4MBE
9	G 3/8	24	72,2	12		NSR-372-6MBO
12	G 1/2	32	91	12		NSR-502-8MBO

Dust Protection — Series NSR

DN	Version	Part Number
6	for coupling	NSR-250-DP
9	for coupling	NSR-370-DP
12	for coupling	NSR-500-DP
6	for plug	NSR-250-DC
9	for plug	NSR-370-DC
12	for plug	NSR-500-DC

⚠ Please consider our security advices on the pages 14/15 ⚠

Snap-tite
Snap-tite Profile

Body Size
1/4" up to 6"

Snap-tite Profile
H-Series

Technical Description
Parker Snap-tite H series is a general purpose hydraulic and pneumatic quick coupling.

Advantages
- Wide range of sizes, materials and end configurations
- Available in single shut-off, double shut-off or straight through versions
- Also available in Aluminium

Applications
- Agriculture
- Gas meters
- Drill clamps
- Chemical plants
- Loading arms
- Production lines

Working Pressure
See charts.

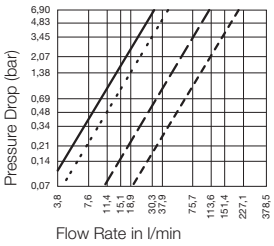
Working Temperature
-35°C up to +120°C (NBR)
-26°C up to +204°C (FKM)
-56°C up to +120°C (EPR)
depending on the medium.

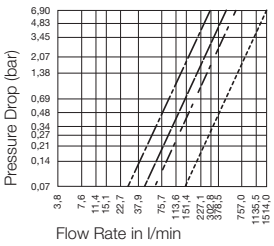
H-Series is also available with FKM or EPR seal.
Add the suffix **V** for FKM and the suffix **E** for EPR to the part number, e.g. **VHC4-4FV.**

Material Coupling	Steel	Stainless Steel	Brass
Coupling Body	Steel	AISI 316	Brass
Sleeve	Steel	AISI 316	Brass
Back-up Ring	PTFE	PTFE	PTFE
Valve	Steel	AISI 316	Brass
Springs	AISI 302 / 17-7	AISI 302 / 17-7	AISI 302 / 17-7
Locking Balls	440 C	AISI 316	440 C
Seals	NBR	NBR	NBR
Valve Holder	Steel	AISI 316	Brass

Material Plug	Steel	Stainless Steel	Brass
Plug Body	Steel	AISI 316	Brass
Valve	Steel	AISI 316	Brass
Springs	17-7	17-7	17-7
Seals	NBR	NBR	NBR
Valve Holder	Steel	AISI 316	Brass

Flow Capacity with MIL-H-6083 Hydraulic Fluid at 32°C +/-1,5°C





Body Size 1/4"
Body Size 3/8"
Body Size 1/2"
Body Size 3/4"
Body Size 1"
Body Size 1 1/4"
Body Size 1 1/2"
Body Size 2"

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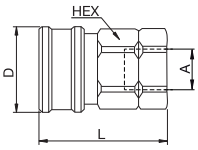
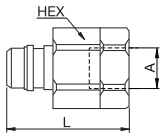
Couplings — H-Series Steel



Female Thread

Body Size	Connection A	Hex mm	L mm	D mm	Weight kg	Max. Operating Pressure bar	Part Number
1/4"	1/4-18 NPTF	22,35	41,91	25,40	0,10	448	VHC4-4F
1/4"	G 1/4	22,35	43,95	25,40	0,10	448	VHC4-4RP
3/8"	3/8-18 NPTF	25,40	48,26	30,23	0,11	310	VHC6-6F
3/8"	G 3/8	25,40	48,26	30,23	0,11	310	VHC6-6RP
1/2"	1/2-14 NPTF	30,23	53,09	35,31	0,20	276	VHC8-8F
1/2"	G 1/2	30,23	54,61	35,31	0,20	276	VHC8-8RP
3/4"	3/4-14 NPTF	38,10	61,47	41,40	0,34	241	VHC12-12F
3/4"	G 3/4	38,10	62,99	41,40	0,34	241	VHC12-12RP
1"	1-11 1/2 NPTF	47,75	67,82	50,80	0,55	138	VHC16-16F
1"	G 1	47,75	67,82	50,80	0,55	138	VHC16-16RP
1 1/4"	1 1/4-11 1/2 NPT	50,80	89,91	55,63	0,73	121	VHC20-20F
1 1/4"	G 1 1/4	50,80	89,91	55,63	0,73	121	VHC20-20RP
1 1/2"	1 1/2-11 1/2 NPT	63,50	83,06	69,85	1,13	103	VHC24-24F
1 1/2"	G 1 1/2	63,50	83,06	69,85	1,13	103	VHC24-24RP
2"	2-11 1/2 NPT	88,90	99,57	88,90	1,91	103	VHC32-32F
2"	G 2	88,90	99,57	88,90	1,91	103	VHC32-32RP

Plugs — H-Series Steel



Female Thread

Body Size	Connection A	Hex mm	L mm	D mm	Weight kg	Max. Operating Pressure bar	Part Number
1/4"	1/4-18 NPTF	22,35	40,38		0,07	448	VHN4-4F
1/4"	G 1/4	22,35	42,42		0,07	448	VHN4-4RP
3/8"	3/8-18 NPTF	25,40	46,74		0,09	310	VHN6-6F
3/8"	G 3/8	25,40	46,74		0,09	310	VHN6-6RP
1/2"	1/2-14 NPTF	30,23	50,29		0,15	276	VHN8-8F
1/2"	G 1/2	30,23	51,81		0,15	276	VHN8-8RP
3/4"	3/4-14 NPTF	38,10	58,17		0,25	241	VHN12-12F
3/4"	G 3/4	38,10	59,69		0,25	241	VHN12-12RP
1"	1-11 1/2 NPTF	47,75	64,77		0,39	138	VHN16-16F
1"	G 1	47,75	64,77		0,39	138	VHN16-16RP
1 1/4"	1 1/4-11 1/2 NPT	50,80	86,61		0,54	121	VHN20-20F
1 1/4"	G 1 1/4	50,80	86,61		0,54	121	VHN20-20RP
1 1/2"	1 1/2-11 1/2 NPT	63,50	78,99		0,75	103	VHN24-24F
1 1/2"	G 1 1/2	63,50	78,99		0,75	103	VHN24-24RP
2"	2-11 1/2 NPT	88,90	94,49		1,32	103	VHN32-32F
2"	G 2	88,90	94,49		1,32	103	VHN32-32RP

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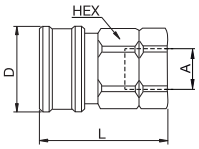
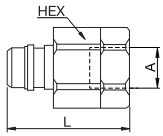
Couplings — H-Series Stainless Steel



Female Thread

Body Size	Connection A	Hex mm	L mm	D mm	Weight kg	Max. Operating Pressure bar	Part Number
1/4"	1/4-18 NPSF	22,35	41,91	25,40	0,10	345	SVHC4-4F
1/4"	G 1/4	22,35	43,95	25,40	0,10	345	SVHC4-4RP
3/8"	3/8-18 NPSF	25,40	48,26	30,23	0,11	276	SVHC6-6F
3/8"	G 3/8	25,40	48,26	30,23	0,11	276	SVHC6-6RP
1/2"	1/2-14 NPSF	30,23	53,09	35,31	0,20	259	SVHC8-8F
1/2"	G 1/2	30,23	54,61	35,31	0,20	259	SVHC8-8RP
3/4"	3/4-14 NPSF	38,10	61,47	41,40	0,34	138	SVHC12-12F
3/4"	G 3/4	38,10	62,99	41,40	0,34	138	SVHC12-12RP
1"	1-11 1/2 NPSF	47,75	67,82	50,80	0,55	138	SVHC16-16F
1"	G 1	47,75	67,82	50,80	0,55	138	SVHC16-16RP
1 1/4"	1 1/4-11 1/2 NPT	50,80	89,91	55,63	0,73	103	SVHC20-20F
1 1/4"	G 1 1/4	50,80	89,91	55,63	0,73	103	SVHC20-20RP
1 1/2"	1 1/2-11 1/2 NPT	63,50	83,06	69,85	1,13	103	SVHC24-24F
1 1/2"	G 1 1/2	63,50	83,06	69,85	1,13	103	SVHC24-24RP
2"	2-11 1/2 NPT	88,90	99,57	88,90	1,91	34	SVHC32-32F
2"	G 2	88,90	99,57	88,90	1,91	34	SVHC32-32RP

Plugs — H-Series Stainless Steel



Female Thread

Body Size	Connection A	Hex mm	L mm	D mm	Weight kg	Max. Operating Pressure bar	Part Number
1/4"	1/4-18 NPSF	22,35	40,38		0,07	345	SVHN4-4F
1/4"	G 1/4	22,35	42,42		0,07	345	SVHN4-4RP
3/8"	3/8-18 NPSF	25,40	46,74		0,09	276	SVHN6-6F
3/8"	G 3/8	25,40	46,74		0,09	276	SVHN6-6RP
1/2"	1/2-14 NPSF	30,23	50,29		0,15	259	SVHN8-8F
1/2"	G 1/2	30,23	51,81		0,15	259	SVHN8-8RP
3/4"	3/4-14 NPSF	38,10	58,17		0,25	138	SVHN12-12F
3/4"	G 3/4	38,10	59,69		0,25	138	SVHN12-12RP
1"	1-11 1/2 NPSF	47,75	64,77		0,39	138	SVHN16-16F
1"	G 1	47,75	64,77		0,39	138	SVHN16-16RP
1 1/4"	1 1/4-11 1/2 NPT	50,80	86,61		0,54	103	SVHN20-20F
1 1/4"	G 1 1/4	50,80	86,61		0,54	103	SVHN20-20RP
1 1/2"	1 1/2-11 1/2 NPT	63,50	78,99		0,75	103	SVHN24-24F
1 1/2"	G 1 1/2	63,50	78,99		0,75	103	SVHN24-24RP
2"	2-11 1/2 NPT	88,90	94,49		1,32	34	SVHN32-32F
2"	G 2	88,90	94,49		1,32	34	SVHN32-32RP

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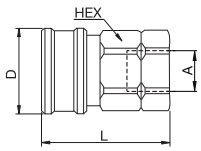
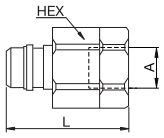
Couplings — H-Series Brass



Female Thread

Body Size	Connection A	Hex mm	L mm	D mm	Weight kg	Max. Operating Pressure bar	Part Number
1/4"	1/4-18 NPTF	22,35	41,91	25,40	0,11	155	BVHC4-4F
1/4"	G 1/4	22,35	43,95	25,40	0,11	155	BVHC4-4RP
3/8"	3/8-18 NPTF	25,40	48,26	30,23	0,16	155	BVHC6-6F
3/8"	G 3/8	25,40	48,26	30,23	0,16	155	BVHC6-6RP
1/2"	1/2-14 NPTF	30,23	53,09	35,31	0,23	138	BVHC8-8F
1/2"	G 1/2	30,23	54,61	35,31	0,23	138	BVHC8-8RP
3/4"	3/4-14 NPTF	38,10	61,47	41,40	0,38	138	BVHC12-12F
3/4"	G 3/4	38,10	62,99	41,40	0,38	138	BVHC12-12RP
1"	1-11 1/2 NPTF	47,75	67,82	50,80	0,60	121	BVHC16-16F
1"	G 1	47,75	67,82	50,80	0,60	121	BVHC16-16RP
1 1/4"	1 1/4-11 1/2 NPT	50,80	89,91	55,63	0,78	24	BVHC20-20F
1 1/4"	G 1 1/4	50,80	89,91	55,63	0,78	24	BVHC20-20RP
1 1/2"	1 1/2-11 1/2 NPT	63,50	83,06	69,85	0,97	24	BVHC24-24F
1 1/2"	G 1 1/2	63,50	83,06	69,85	0,97	24	BVHC24-24RP
2"	2-11 1/2 NPT	88,90	99,57	88,90	2,82	28	BVHC32-32F
2"	G 2	88,90	99,57	88,90	2,82	28	BVHC32-32RP

Plugs — H-Series Brass



Female Thread

Body Size	Connection A	Hex mm	L mm	D mm	Weight kg	Max. Operating Pressure bar	Part Number
1/4"	1/4-18 NPTF	22,35	40,38		0,08	155	BVHN4-4F
1/4"	G 1/4	22,35	42,42		0,08	155	BVHN4-4RP
3/8"	3/8-18 NPTF	25,40	46,74		0,10	155	BVHN6-6F
3/8"	G 3/8	25,40	46,74		0,10	155	BVHN6-6RP
1/2"	1/2-14 NPTF	30,23	50,29		0,16	138	BVHN8-8F
1/2"	G 1/2	30,23	51,81		0,16	138	BVHN8-8RP
3/4"	3/4-14 NPTF	38,10	58,17		0,27	138	BVHN12-12F
3/4"	G 3/4	38,10	59,69		0,27	138	BVHN12-12RP
1"	1-11 1/2 NPTF	47,75	64,77		0,42	121	BVHN16-16F
1"	G 1	47,75	64,77		0,42	121	BVHN16-16RP
1 1/4"	1 1/4-11 1/2 NPT	50,80	86,61		0,59	24	BVHN20-20F
1 1/4"	G 1 1/4	50,80	86,61		0,59	24	BVHN20-20RP
1 1/2"	1-1/2-11 1/2 NPT	63,50	78,99		0,81	24	BVHN24-24F
1 1/2"	G 1-1/2	63,50	78,99		0,81	24	BVHN24-24RP
2"	2-11 1/2 NPT	88,90	94,49		1,42	28	BVHN32-32F
2"	G 2	88,90	94,49		1,42	28	BVHN32-32RP

⚠ Please consider our security advices on the pages 14/15 ⚠

Dust Protection — H-Series

	Body Size	Version	Material	Color	Part Number
	1/4"	for coupling	Plastic	Black	PDP-4
	3/8"	for coupling	Plastic	Black	PDP-6
	1/2"	for coupling	Plastic	Black	PDP-8
	3/4"	for coupling	Plastic	Black	PDP-12
	1"	for coupling	Plastic	Black	PDP-16
	1/4"	for plug	Plastic	Black	PDC-4
	3/8"	for plug	Plastic	Black	PDC-6
	1/2"	for plug	Plastic	Black	PDC-8
	3/4"	for plug	Plastic	Black	PDC-12
	1"	for plug	Plastic	Black	PDC-16
	1/4"	for coupling	Aluminium	Grey	AMPH-4
	3/8"	for coupling	Aluminium	Grey	AMPH-6
	1/2"	for coupling	Aluminium	Grey	AMPH-8
	3/4"	for coupling	Aluminium	Grey	AMPH-12
	1"	for coupling	Aluminium	Grey	AMPH-16
	1 1/4"	for coupling	Aluminium	Grey	AMPH-20
	1 1/2"	for coupling	Aluminium	Grey	AMPH-24
	2"	for coupling	Aluminium	Grey	AMPH-32
	1/4"	for plug	Aluminium	Grey	ADCH-4
	3/8"	for plug	Aluminium	Grey	ADCH-6
	1/2"	for plug	Aluminium	Grey	ADCH-8
	3/4"	for plug	Aluminium	Grey	ADCH-12
	1"	for plug	Aluminium	Grey	ADCH-16
	1 1/4"	for plug	Aluminium	Grey	ADCH-20
	1 1/2"	for plug	Aluminium	Grey	ADCH-24
	2"	for plug	Aluminium	Grey	ADCH-32

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Snap-tite
Snap-tite Profile

Body Size

1/4" up to 2"

Snap-tite Profile

71-Series

Technical Description
Parker Snap-tite 71 series couplings are designed for working pressures up to 690 bar.
Available in a variety of materials and with a wide range of body sizes.

Advantages
- Flush face/Non-spill
- Push-to-connect
- Large flow chambers resulting in superior flow and pressure drop
- Optional sleevelock
- Heavy duty construction

Applications
- Industrial Hydraulic lines
- Offshore drilling
- Pumps
- Test points
- Chemical Plants

Working Pressure
See charts.

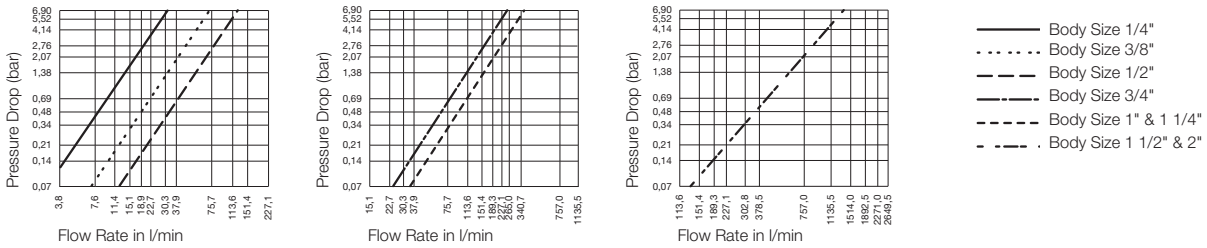
Working Temperature
-35°C up to +120°C (NBR)
-26°C up to +204°C (FKM)
-56°C up to +120°C (EPR)
depending on the medium.

71-Series is also available with FKM or EPR seal.
Add the suffix **V** for FKM and the suffix **E** for EPR to the part number, e.g. **71-3C4-4FV**.

Material Coupling	Steel	Stainless Steel	High Pressure Stainless Steel
Coupling Body	Steel	AISI 316	AISI 316
Sleeve	Steel	AISI 316	AISI 316 controlled strength
Valve	Steel	AISI 316	AISI 316 controlled strength
Springs	AISI 302 / 17-7	AISI 302 / 17-7	AISI 302 / 17-7
Locking Balls	440 C	AISI 316	Ceramic
Seals	NBR	NBR	NBR
Valve Holder	Steel	AISI 316	AISI 316 controlled strength

Material Plug	Steel	Stainless Steel	High Pressure Stainless Steel
Plug Body	Steel	AISI 316	AISI 316 controlled strength
Valve	Steel	AISI 316	AISI 316
Springs	17-7	17-7	17-7
Seals	NBR	NBR	NBR
Valve Holder	Steel	AISI 316	AISI 316

Flow Capacity with MIL-H-6083 Hydraulic Fluid at 32°C +/-1,5°C



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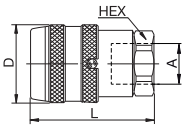
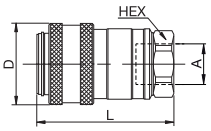
Couplings — 71-Series Steel



Female Thread

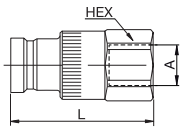
Body Size	Connection A	Hex mm	L mm	D mm	Weight kg	Max. Operating Pressure bar	Part Number
1/4"	1/4-18 NPTF	23,88	49,78	30,23	0,18	690	71-3C4-4F
1/4"	G 1/4	23,88	49,78	30,23	0,18	690	71-3C4-4RP
3/8"	3/8-18 NPTF	30,23	59,95	39,62	0,36	690	71-3C6-6F
3/8"	G 3/8	30,23	59,95	39,62	0,36	690	71-3C6-6RP
1/2"	1/2-14 NPTF	38,10	70,36	47,75	0,59	690	71-3C8-8F
1/2"	G 1/2	38,10	70,36	47,75	0,59	690	71-3C8-8RP
3/4"	3/4-14 NPTF	44,45	77,47	57,15	0,91	517	71-3C12-12F
3/4"	G 3/4	44,45	77,47	57,15	0,91	517	71-3C12-12RP
1"	1-11 1/2 NPTF	50,80	84,33	66,80	1,32	517	71-3C16-16F
1"	G 1	50,80	84,33	66,80	1,32	517	71-3C16-16RP
1"	1 1/4-11 1/2 NPT	50,80	93,22	66,80	1,36	517	71-3C16-20F
1"	G 1 1/4	50,80	93,22	66,80	1,36	517	71-3C16-20RP



Female Thread

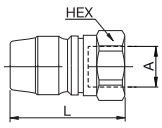
Body Size	Connection A	Hex mm	L mm	D mm	Weight kg	Max. Operating Pressure bar	Part Number
2"	1 1/2-11 1/2 NPT	85,85	157,73	114,30	5,67	344	71-1C32-24F
2"	G 1 1/2	85,85	157,73	114,30	5,67	344	71-1C32-24RP
2"	2-11 1/2 NPT	85,85	157,73	114,30	5,44	344	71-1C32-32F
2"	G 2	85,85	157,73	114,30	5,44	344	71-1C32-32RP

Plugs — 71-Series Steel



Female Thread

Body Size	Connection A	Hex mm	L mm	D mm	Weight kg	Max. Operating Pressure bar	Part Number
1/4"	1/4-18 NPTF	20,57	46,74		0,09	690	71-3N4-4F
1/4"	G 1/4	20,57	46,74		0,09	690	71-3N4-4RP
3/8"	3/8-18 NPTF	25,40	58,93		0,18	690	71-3N6-6F
3/8"	G 3/8	25,40	58,93		0,18	690	71-3N6-6RP
1/2"	1/2-14 NPTF	38,10	60,45		0,32	690	71-3N8-8F
1/2"	G 1/2	38,10	60,45		0,32	690	71-3N8-8RP
3/4"	3/4-14 NPTF	44,45	75,18		0,50	517	71-3N12-12F
3/4"	G 3/4	44,45	75,18		0,50	517	71-3N12-12RP
1"	1-11 1/2 NPTF	47,75	82,04		0,73	517	71-3N16-16F
1"	G 1	47,75	82,04		0,73	517	71-3N16-16RP
1"	1 1/4-11 1/2 NPT	50,80	88,90		0,79	517	71-3N16-20F
1"	G 1 1/4	50,80	88,90		0,79	517	71-3N16-20RP

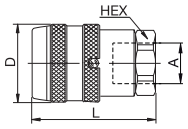


Female Thread

Body Size	Connection A	Hex mm	L mm	D mm	Weight kg	Max. Operating Pressure bar	Part Number
2"	1 1/2-11 1/2 NPT	82,55	114,30		2,15	344	71N32-24F
2"	G 1 1/2	82,55	114,30		2,15	344	71N32-24RP
2"	2-11 1/2 NPT	82,55	118,20		1,90	344	71N32-32F
2"	G 2	82,55	118,20		1,90	344	71N32-32RP

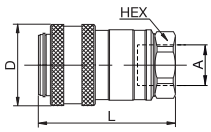
⚠ Please consider our security advices on the pages 14/15 ⚠

Couplings — 71-Series Stainless Steel



Female Thread

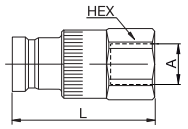
Body Size	Connection A	Hex mm	L mm	D mm	Weight kg	Max. Operating Pressure bar	Part Number
1/4"	1/4-18 NPSF	23,88	49,78	30,23	0,18	344	S71-3C4-4F
1/4"	G 1/4	23,88	49,78	30,23	0,18	344	S71-3C4-4RP
3/8"	3/8-18 NPSF	30,23	59,95	39,62	0,36	344	S71-3C6-6F
3/8"	G 3/8	30,23	59,95	39,62	0,36	344	S71-3C6-6RP
1/2"	1/2-14 NPSF	38,10	70,36	47,75	0,59	344	S71-3C8-8F
1/2"	G 1/2	38,10	70,36	47,75	0,59	344	S71-3C8-8RP
3/4"	3/4-14 NPSF	44,45	77,47	57,15	0,91	344	S71-3C12-12F
3/4"	G 3/4	44,45	77,47	57,15	0,91	344	S71-3C12-12RP
1"	1-11 1/2 NPSF	50,80	84,33	66,80	1,32	275	S71-3C16-16F
1"	G 1	50,80	84,33	66,80	1,32	275	S71-3C16-16RP
1"	1 1/4-11 1/2 NPT	50,80	93,22	66,80	1,36	275	S71-3C16-20F
1"	G 1 1/4	50,80	93,22	66,80	1,36	275	S71-3C16-20RP



Female Thread

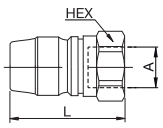
Body Size	Connection A	Hex mm	L mm	D mm	Weight kg	Max. Operating Pressure bar	Part Number
2"	1 1/2-11 1/2 NPT	85,85	157,73	114,30	5,67	206	S71-1C32-24F
2"	G 1 1/2	85,85	157,73	114,30	5,67	206	S71-1C32-24RP
2"	2-11 1/2 NPT	85,85	157,73	114,30	5,44	206	S71-1C32-32F
2"	G 2	85,85	157,73	114,30	5,44	206	S71-1C32-32RP

Plugs — 71-Series Stainless Steel



Female Thread

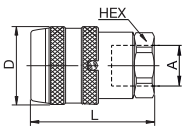
Body Size	Connection A	Hex mm	L mm	D mm	Weight kg	Max. Operating Pressure bar	Part Number
1/4"	1/4-18 NPSF	20,57	46,74		0,09	344	S71-3N4-4F
1/4"	G 1/4	20,57	46,74		0,09	344	S71-3N4-4RP
3/8"	3/8-18 NPSF	25,40	58,93		0,18	344	S71-3N6-6F
3/8"	G 3/8	25,40	58,93		0,18	344	S71-3N6-6RP
1/2"	1/2-14 NPSF	38,10	60,45		0,32	344	S71-3N8-8F
1/2"	G 1/2	38,10	60,45		0,32	344	S71-3N8-8RP
3/4"	3/4-14 NPSF	44,45	75,18		0,50	344	S71-3N12-12F
3/4"	G 3/4	44,45	75,18		0,50	344	S71-3N12-12RP
1"	1-11 1/2 NPSF	47,75	82,04		0,73	275	S71-3N16-16F
1"	G 1	47,75	82,04		0,73	275	S71-3N16-16RP
1"	1 1/4-11 1/2 NPT	50,80	88,90		0,79	275	S71-3N16-20F
1"	G 1 1/4	50,80	88,90		0,79	275	S71-3N16-20RP



Female Thread

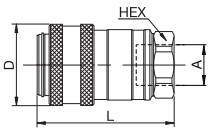
Body Size	Connection A	Hex mm	L mm	D mm	Weight kg	Max. Operating Pressure bar	Part Number
2"	1 1/2-11 1/2 NPT	82,55	114,30		2,15	206	S71N32-24F
2"	G 1 1/2	82,55	114,30		2,15	206	S71N32-24RP
2"	2-11 1/2 NPT	82,55	118,20		1,90	206	S71N32-32F
2"	G 2	82,55	118,20		1,90	206	S71N32-32RP

Couplings — 71-Series High Pressure Stainless Steel



Female Thread

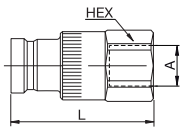
Body Size	Connection A	Hex mm	L mm	D mm	Weight kg	Max. Operating Pressure bar	Part Number
1/4"	1/4-18 NPSF	23,88	49,78	30,23	0,18	690	SH71-3C4-4F
1/4"	G 1/4	23,88	49,78	30,23	0,18	690	SH71-3C4-4RP
3/8"	3/8-18 NPSF	30,23	59,95	39,62	0,36	690	SH71-3C6-6F
3/8"	G 3/8	30,23	59,95	39,62	0,36	690	SH71-3C6-6RP
1/2"	1/2-14 NPSF	38,10	70,36	47,75	0,59	690	SH71-3C8-8F
1/2"	G 1/2	38,10	70,36	47,75	0,59	690	SH71-3C8-8RP
3/4"	3/4-14 NPSF	44,45	77,47	57,15	0,91	517	SH71-3C12-12F
3/4"	G 3/4	44,45	77,47	57,15	0,91	517	SH71-3C12-12RP
1"	1-11 1/2 NPSF	50,80	84,33	66,80	1,32	517	SH71-3C16-16F
1"	G 1	50,80	84,33	66,80	1,32	517	SH71-3C16-16RP
1"	1 1/4-11 1/2 NPT	50,80	93,22	66,80	1,36	517	SH71-3C16-20F
1"	G 1 1/4	50,80	93,22	66,80	1,36	517	SH71-3C16-20RP



Female Thread

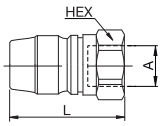
Body Size	Connection A	Hex mm	L mm	D mm	Weight kg	Max. Operating Pressure bar	Part Number
2"	1 1/2-11 1/2 NPT	85,85	157,73	114,30	5,67	344	SH71-1C32-24F
2"	G 1 1/2	85,85	157,73	114,30	5,67	344	SH71-1C32-24RP
2"	2-11 1/2 NPT	85,85	157,73	114,30	5,44	344	SH71-1C32-32F
2"	G 2	85,85	157,73	114,30	5,44	344	SH71-1C32-32RP

Plugs — 71-Series High Pressure Stainless Steel



Female Thread

Body Size	Connection A	Hex mm	L mm	D mm	Weight kg	Max. Operating Pressure bar	Part Number
1/4"	1/4-18 NPSF	20,57	46,74		0,09	690	SH71-3N4-4F
1/4"	G 1/4	20,57	46,74		0,09	690	SH71-3N4-4RP
3/8"	3/8-18 NPSF	25,40	58,93		0,18	690	SH71-3N6-6F
3/8"	G 3/8	25,40	58,93		0,18	690	SH71-3N6-6RP
1/2"	1/2-14 NPSF	38,10	60,45		0,32	690	SH71-3N8-8F
1/2"	G 1/2	38,10	60,45		0,32	690	SH71-3N8-8RP
3/4"	3/4-14 NPSF	44,45	75,18		0,50	517	SH71-3N12-12F
3/4"	G 3/4	44,45	75,18		0,50	517	SH71-3N12-12RP
1"	1-11 1/2 NPSF	47,75	82,04		0,73	517	SH71-3N16-16F
1"	G 1	47,75	82,04		0,73	517	SH71-3N16-16RP
1"	1 1/4-11 1/2 NPT	50,80	88,90		0,79	517	SH71-3N16-20F
1"	G 1 1/4	50,80	88,90		0,79	517	SH71-3N16-20RP



Female Thread

Body Size	Connection A	Hex mm	L mm	D mm	Weight kg	Max. Operating Pressure bar	Part Number
2"	1 1/2-11 1/2 NPT	82,55	114,30		2,15	344	SH71N32-24F
2"	G 1 1/2	82,55	114,30		2,15	344	SH71N32-24RP
2"	2-11 1/2 NPT	82,55	118,20		1,90	344	SH71N32-32F
2"	G 2	82,55	118,20		1,90	344	SH71N32-32RP

⚠ Please consider our security advices on the pages 14/15 ⚠

Dust Protection — 71-Series

Body Size	Version	Material	Color	Part Number
1/4"	for coupling	Plastic	Black	71-3PCC-4
3/8"	for coupling	Plastic	Black	71-3PCC-6
1/2"	for coupling	Plastic	Black	71-3PCC-8
3/4"	for coupling	Plastic	Black	71-3PCC-12
1"	for coupling	Plastic	Black	71-3PCC-16
1/4"	for plug	Plastic	Black	71-3PNC-4
3/8"	for plug	Plastic	Black	71-3PNC-6
1/2"	for plug	Plastic	Black	71-3PNC-8
3/4"	for plug	Plastic	Black	71-3PNC-12
1"	for plug	Plastic	Black	71-3PNC-16

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⚠ Please consider our security advices on the pages 14/15 ⚠

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Screw-to-connect

Body Size

3/8" up to 1"

Tema Profile

SCFF-Series

Technical Description
Heavy duty Screw-to-Connect type of couplings for demanding applications with flat face valves to avoid spillage and protect the environment. Best in class flow and burst values, integrated swivel function. Quicker connection with double started ACME thread and available with pressure eliminator in plug on request.

Advantages
- Good resistance to vibrations and mechanical stress
- No fluid loss during connection and disconnection
- Efficient and safe
- Quick and easy connection
- Locking system prevents accidential disconnection
- Connectable up to full working pressure with pressure eliminator

Working Pressure
3/8" up to 550 bar
1/2" up to 500 bar
3/4" up to 500 bar
1" up to 420 bar

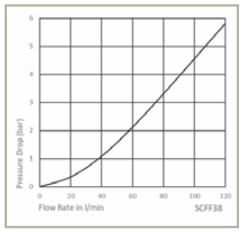
Working Temperature
-30°C up to +100°C (NBR) depending on the medium. Special seals are available on request (see page 6).

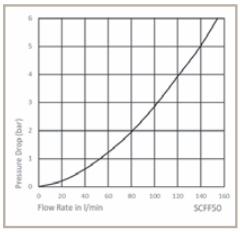
Applications Area

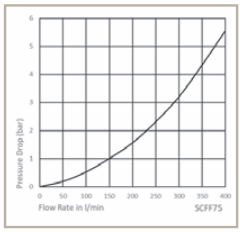
Material Coupling	Standard / Pressure Eliminator
Coupling Body	Steel, ZnNi plated
Sleeve	Steel, ZnNi plated
Back-up Ring	PTFE
Valve	Steel, ZnNi plated
Springs	AISI 301
Swivel Balls	Steel
Seals	NBR
Valve Holder	Steel

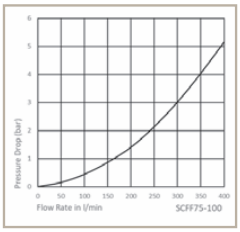
Plug	Standard / Pressure Eliminator
Plug Body	Steel, ZnNi plated
Valve	Steel, ZnNi plated
Springs	AISI 301
Seals	NBR/PUR
Valve Holder	Steel , ZnCr3 plated

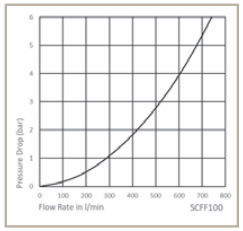
Pressure Drop Curves

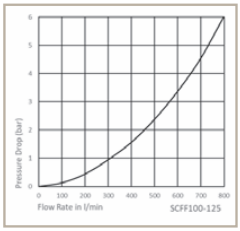


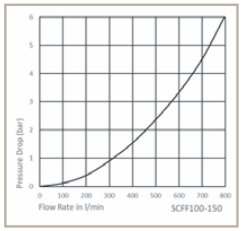












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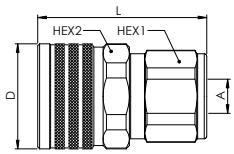
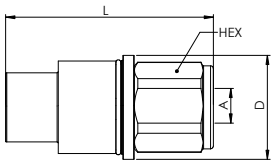
Couplings — SCFF-Series



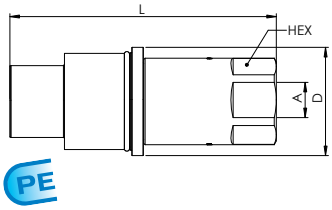
Body Size	Connection A	Hex 1 mm	Hex 2 mm	L mm	D mm	Working Press. connect. in bar	Part Number
3/8"	G 3/8	36	40	75,5	42	550	SCFF3810
1/2"	G 1/2	40	45	80,5	47	500	SCFF5010
3/4"	G 3/4	50	55	96,5	58	500	SCFF7510
3/4"	G 1	50	55	104,5	58	500	SCFF7510-100
1"	G 1	65	75	129,0	80	420	SCFF10010
1"	G 1 1/4	65	75	129,0	80	420	SCFF10010-125
1"	G 1 1/2	65	75	129,0	80	420	SCFF10010-150

Plugs — SCFF-Series



Body Size	Connection A	Hex mm	L mm	D mm	Working Press. connect. in bar	Part Number
3/8"	G 3/8	32	79	40	550	SCFF3820
1/2"	G 1/2	36	86	43	500	SCFF5020
3/4"	G 3/4	46	110	55	500	SCFF7520
3/4"	G 1	46	115	55	500	SCFF7520-100
1"	G 1	60	150	75	420	SCFF10020
1"	G 1 1/4	60	150	75	420	SCFF10020-125
1"	G 1 1/2	60	152	75	420	SCFF10020-150

Plugs with pressure eliminator — SCFF-Series



Body Size	Connection A	Hex mm	L mm	D mm	Working Press. connect. in bar	Part Number
3/8"	G 3/8	32	108	40	550	SCFF3821
1/2"	G 1/2	36	117	43	500	SCFF5021
3/4"	G 3/4	46	148	55	500	SCFF7521
3/4"	G 1	46	148	55	500	SCFF7521-100
1"	G 1	60	185	75	420	SCFF10021
1"	G 1 1/4	60	189	75	420	SCFF10021-125
1"	G 1 1/2	60	194	75	420	SCFF10021-150

⚠ Please consider our security advices on the pages 14/15 ⚠

Screw-to-connect

Body Size

3/8" up to 1"

Screw-to-Connect

QHPA-Series

Technical Description
Screw-to-connect type of coupling according to ISO 14541 for difficult applications. Rugged, modular construction in steel, working up to 450 bar.

Advantages
Self locking threads and external seal to prevent accidental disconnection.
Connectable under residual pressure up to 50 bar.
NBR seals and back-up ring in PTFE to withstand pressure impulsions.

Sleeve mounted on the male tip to protect the sealing area. Three-part poppet style valving with a molded shaped seal to prevent seal washout at high flow rates.

Applications
- Agricultural and mobile equipment
- Rock hammers
- Forestry equipments
- Snow groomers
- Excavators

Working Pressure

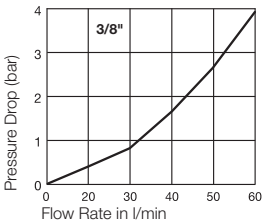
3/8"	450 bar
1/2"	400 bar
3/4"	380 bar
1"	370 bar
1 1/4"	300 bar

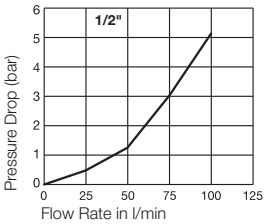
Working Temperature
-25°C up to +110°C (NBR) depending on the medium.

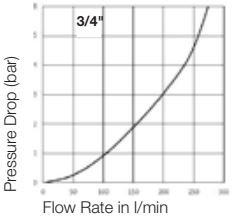
Material Coupling	Standard
Valve Body	Steel, silver plated, ZnNi plating for 3/4" size
Back Body	Steel, silver plated, ZnNi plating for 3/4" size
Back-up Ring	PTFE
Valve	Steel, silver plated, ZnNi plating for 3/4" size
Springs	Steel
Seals	NBR
Valve Holder	Steel

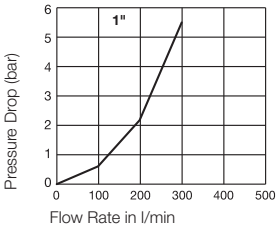
Material Plug	Standard
Plug Body	Steel, silver plated, ZnNi plating for 3/4" size
Valve	Steel, silver plated
Springs	Steel
Seals	NBR
Valve Holder	Steel, silver plated, Brass for 3/4" size
Sleeve	Steel, silver plated, ZnNi plating for 3/4" size

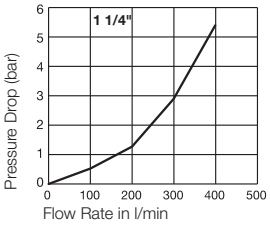
Flow Capacity with Oil with Viscosity of 43cSt at 38°C as per ISO 7241/2-2000



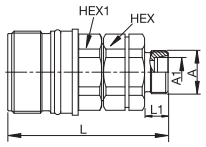






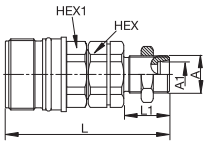


Couplings — QHPA-Series



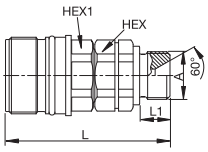
Male Thread 24° cone – DIN 2353

Size	Body Size	Interface thread	Connec-tion A	Tube O/D A1	Hex mm	Hex1 mm	L mm	L1 mm	D mm	Version	Weight gr.	Part Number
2	3/8"	M28	M 14 x 1,5	8	22	24	62	10		Light Series	147	QHPA53-D6X2-C
2	3/8"	M28	M 16 x 1,5	10	22	24	63	11		Light Series	148	QHPA53-D6X3-C
2	3/8"	M28	M 18 x 1,5	10	22	30	64	12		Heavy Series	154	QHPA53-D7X3-C
2	3/8"	M28	M 20 x 1,5	12	22	24	64	12		Heavy Series	156	QHPA53-D7X4-C
3	1/2"	M36	M 18 x 1,5	12	30	30	68	11		Light Series	285	QHPA54-D6X4-C
3	1/2"	M36	M 22 x 1,5	15	30	30	69	12		Light Series	290	QHPA54-D6X5-C
3	1/2"	M36	M 22 x 1,5	14	30	30	71	14		Heavy Series	277	QHPA54-D7X5-C
3	1/2"	M36	M 24 x 1,5	16	30	30	71	14		Heavy Series	298	QHPA54-D7X6-C
6	1"	M48	M 26 x 1,5	18	41	41	95	12		Light Series	729	QHPA56-D6X6-C
6	1"	M48	M 30 x 2	22	41	41	97	14		Light Series	736	QHPA56-D6X7-C
6	1"	M48	M 30 x 2	20	41	41	99	16		Heavy Series	747	QHPA56-D7X7-C
6	1"	M48	M 36 x 2	25	41	41	101	18		Heavy Series	765	QHPA56-D7X8-C
8	1 1/4"	M70	M 42 x 2	30	55	65	114	20		Heavy Series	1572	QHPA58-D7X9-C



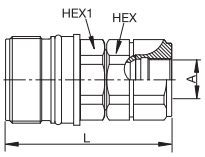
Male Thread 24° cone – DIN 2353 Bulkhead

Size	Body Size	Interface thread	Connec-tion A	Tube O/D A1	Hex mm	Hex1 mm	L mm	L1 mm	D mm	Version	Weight gr.	Part Number
2	3/8"	M28	M 14 x 1,5	8	22	24	76	25		Light Series	167	QHPA53-E6X2-C
2	3/8"	M28	M 16 x 1,5	10	22	24	78	26		Light Series	179	QHPA53-E6X3-C
2	3/8"	M28	M 20 x 1,5	12	22	24	78	27		Heavy Series	198	QHPA53-E7X4-C
3	1/2"	M36	M 18 x 1,5	12	30	30	87	30		Light Series	313	QHPA54-E6X4-C
3	1/2"	M36	M 22 x 1,5	15	30	30	84	27		Light Series	337	QHPA54-E6X5-C
3	1/2"	M36	M 24 x 1,5	16	30	30	86	29		Heavy Series	356	QHPA54-E7X6-C
4	3/4"	M42	M 36 x 2	25	41	40	101	38			700	QHPA55-E7X8-C
6	1"	M48	M 26 x 1,5	18	41	41	115	32		Light Series	822	QHPA56-E6X6-C
6	1"	M48	M 30 x 2	20	41	41	121	38		Heavy Series	865	QHPA56-E7X7-C
6	1"	M48	M 36 x 2	25	41	41	121	38		Heavy Series	918	QHPA56-E7X8-C
8	1 1/4"	M70	M 42 x 2	30	55	65	134	40		Heavy Series	1757	QHPA58-E7X9-C



Male BSPP Thread – DIN 3852 Form B

Size	Body Size	Interface thread	Connec-tion A	Tube O/D A1	Hex mm	Hex1 mm	L mm	L1 mm	D mm	Version	Weight gr.	Part Number
2	3/8"	M28	3/8"		22	24	66	12			183	QHPA53-F4B3-C
3	1/2"	M36	1/2"		30	30	72	12			301	QHPA54-F4B4-C
4	3/4"	M42	3/4"		36	40	94	16			550	QHPA55-F4B6-C



Female BSPP Thread – DIN 3852 Form Y

Size	Body Size	Interface thread	Connec-tion A	Tube O/D A1	Hex mm	Hex1 mm	L mm	L1 mm	D mm	Version	Weight gr.	Part Number
2	3/8"	M28	3/8"		22	24	67				155	QHPA53-G4X3-C
3	1/2"	M36	1/2"		30	30	73				311	QHPA54-G4X4-C
4	3/4"	M42	3/4"		36	40	77				480	QHPA55-G4X6-C
6	1"	M48	3/4"		41	41	96				838	QHPA56-G4X6-C
6	1"	M48	1"		41	41	101				786	QHPA56-G4X8-C

⚠ Please consider our security advices on the pages 14/15 ⚠

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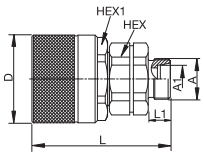
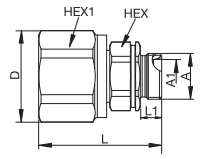
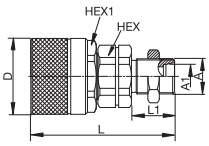
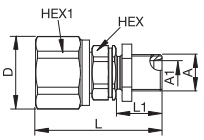
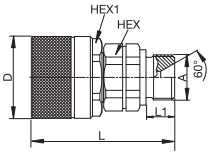
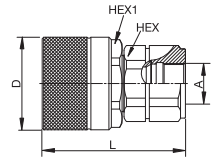
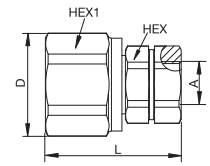
Plugs — QHPA-Series

	Size	Body Size	Interface Thread	Connection A	Tube O/D A1	Hex mm	Hex1 mm	L mm	L1 mm	D mm	Version	Weight-gr.	Part Number
 Male Thread 24° cone – DIN 2353	2	3/8"	M28	M 14 x 1,5	8	22	30	59	10	34	Light Series	153	QHPA13-D6X2-C
	2	3/8"	M28	M 16 x 1,5	10	22	30	60	11	34	Light Series	154	QHPA13-D6X3-C
	2	3/8"	M28	M 18 x 1,5	10	22	30	61	12	34	Heavy Series	160	QHPA13-D7X3-C
	2	3/8"	M28	M 20 x 1,5	12	22	30	61	12	34	Heavy Series	162	QHPA13-D7X4-C
	3	1/2"	M36	M 18 x 1,5	12	30	36	62	11	42	Light Series	242	QHPA14-D6X4-C
	3	1/2"	M36	M 22 x 1,5	15	30	36	63	12	42	Light Series	247	QHPA14-D6X5-C
	3	1/2"	M36	M 22 x 1,5	14	32	36	65	14	42	Heavy Series	254	QHPA14-D7X5-C
	3	1/2"	M36	M 24 x 1,5	16	30	36	65	14	42	Heavy Series	255	QHPA14-D7X6-C
 Male Thread 24° cone – DIN 2353	6	1"	M48	M 26 x 1,5	18	41	55	79	12	60	Light Series	656	QHPA16-D6X6-C
	6	1"	M48	M 30 x 2	22	41	55	81	14	60	Light Series	663	QHPA16-D6X7-C
	6	1"	M48	M 30 x 2	20	41	55	82	16	60	Heavy Series	674	QHPA16-D7X7-C
	6	1"	M48	M 36 x 2	25	41	55	85	18	60	Heavy Series	592	QHPA16-D7X8-C
	8	1 1/4"	M70	M 42 x 2	30	55	80	118	20	85	Heavy Series	2082	QHPA18-D7X9-C
 Male Thread 24° cone – DIN 2353 Bukhead	2	3/8"	M28	M 14 x 1,5	8	22	30	74	25	34	Light Series	173	QHPA13-E6X2-C
	2	3/8"	M28	M 16 x 1,5	10	22	30	75	26	34	Light Series	173	QHPA13-E6X3-C
	2	3/8"	M28	M 20 x 1,5	12	22	30	76	27	34	Light Series	204	QHPA13-E7X4-C
	3	1/2"	M36	M 18 x 1,5	12	30	36	81	30	42	Light Series	270	QHPA14-E6X4-C
	3	1/2"	M36	M 22 x 1,5	15	30	36	78	27	42	Light Series	294	QHPA14-E6X5-C
	3	1/2"	M36	M 24 x 1,5	16	30	36	80	29	42	Heavy Series	313	QHPA14-E7X6-C
	4	3/4"	M42	M 36 x 2	25	41	44	99	38	48	Heavy Series	690	QHPA15-E7X8-C
 Male Thread 24° cone – DIN 2353 Bulkhead	6	1"	M48	M 26 x 1,5	18	41	55	99	32	60	Light Series	749	QHPA16-E6X6-C
	6	1"	M48	M 30 x 2	20	41	55	104	38	60	Heavy Series	792	QHPA16-E7X7-C
	6	1"	M48	M 36 x 2	25	41	55	105	38	60	Heavy Series	845	QHPA16-E7X8-C
	8	1 1/4"	M70	M 42 x 2	30	55	80	138	40	85	Heavy Series	2350	QHPA18-E7X9-C
 Male BSPP Thread – DIN 3852 Form B	2	3/8"	M28	3/8"		22	30	72	12	34		188	QHPA13-F4B3-C
	3	1/2"	M36	1/2"		30	36	66	12	42		258	QHPA14-F4B4-C
	4	3/4"	M42	3/4"		36	44	92	16	48		530	QHPA15-F4B6-C
 Female BSPP Thread – DIN 3852 Form Y	2	3/8"	M28	3/8"		22	30	65		34		161	QHPA13-G4X3-C
	3	1/2"	M36	1/2"		30	36	73		42		268	QHPA14-G4X4-C
	4	3/4"	M42	3/4"		36	44	75		48		470	QHPA15-G4X6-C
 Female BSPP Thread – DIN 3852 Form Y	6	1"	M48	3/4"		41	55	79		60		765	QHPA16-G4X6-C
	6	1"	M48	1"		41	55	85		60		713	QHPA16-G4X8-C

Dust Protection — QHPA-Series

	Body Size	Version	Material	Color	Part Number
	3/8"	for coupling	Plastic	Red	QHPA13-DC
	1/2"	for coupling	Plastic	Red	QHPA14-DC
	3/4"	for coupling	Plastic	Red	QHPA15-DC
	1"	for coupling	Plastic	Red	QHPA16-DC
	1 1/4"	for coupling	Plastic	Red	QHPA18-DC
	3/8"	for plug	Plastic	Red	QHPA53-DP
	1/2"	for plug	Plastic	Red	QHPA54-DP
	3/4"	for plug	Plastic	Red	QHPA55-DP
	1"	for plug	Plastic	Red	QHPA56-DP
	1 1/4"	for plug	Plastic	Red	QHPA58-DP

Seal-Kit — QHPA-Series

	Body Size	Description	Part Number
	3/8"	NBR/PTFE	QHPA53-C-KIT
	1/2"	NBR/PTFE	QHPA54-C-KIT
	3/4"	NBR/ PTFE	QHPA55-C-KIT
	1"	NBR/PTFE	QHPA56-C-KIT
	1 1/4"	NBR/PTFE	QHPA58-C-KIT
O-Ring NBR and Back-up Ring PTFE			
	The kit contains the O-Ring and the outside ring in NBR as well as the back-up ring in PTFE.		

⚠ Please consider our security advices on the pages 14/15 ⚠

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Screw-to-connect

Body Size
3/4" up to 4"

Screw-to-Connect
75-Series

Technical Description
Parker Snap-tite 75 series couplings are designed for working pressures up to 345 bar. Screw-to-connect design available in steel or stainless steel.

Advantages
- Robust coupling for use in high pressure hydraulic service
- Connectable under residual pressure
- Wide range of sizes
- DBP version is ''Fire Safe'' rated to API 16D

Applications
- Cranes
- Power tongs
- Horizontal boring
- Dewatering
- Oilfields
- Offshore drilling

Working Pressure
See charts.

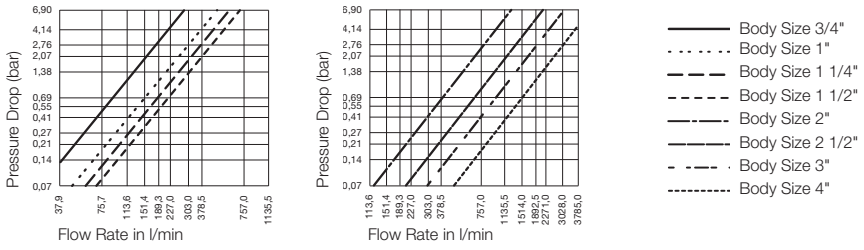
Working Temperature
-35°C up to +120°C (NBR)
-26°C up to +204°C (FKM)
-56°C up to +120°C (EPR)
depending on the medium.

75-Series is also available with FKM or EPR seal.
Add the suffix **V** for FKM and the suffix **E** for EPR to the part number, e.g. **75C12-12VW**

Material Coupling	Steel	Stainless Steel
Coupling Body	Steel	AISI 316
Sleeve	Steel	AISI 316
Valve	Steel	AISI 316
Springs	Steel	AISI 302/ 17-7
Seals	NBR	NBR
Valve Holder	Steel	AISI 316

Material Plug	Steel	Stainless Steel
Plug Body	Steel	AISI 316
Valve	Steel	AISI 316
Springs	Steel	AISI 302/ 17-7
Seals	NBR	NBR
Valve Holder	Steel	AISI 316

Flow Capacity with Hydraulic Oil 88 SSU with Viscosity of 18cSt



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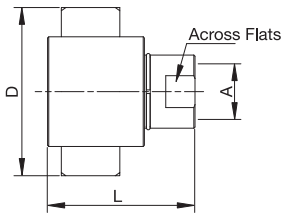
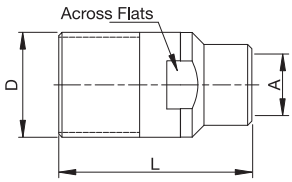
Couplings — 75-Series Steel



Female Thread

Body Size	Connection A	L mm	D mm	Across Flats mm	Weight kg	Max. Operating Pressure in bar	Part Number
3/4"	3/4-14 NPSF	72,14	47,50 (hex)	33,27	0,59	345	75C12-12FW
3/4"	G 3/4	72,14	47,50 (hex)	33,27	0,59	345	75C12-12RPW
3/4"	3/4-14 NPSF	72,14	47,50 (hex)		0,59	345	75C12-12F-DBP
1"	1-11 1/2NPSF	87,63	107,95	42,93	1,27	345	75C16-16FW
1"	G 1	87,63	107,95	42,93	1,27	345	75C16-16RPW
1"	1-11 1/2NPSF	87,63	107,95		1,27	345	75C16-16F-DBP
1 1/4"	1 1/4-11 1/2NPTF	111,76	120,65	50,80	2,04	345	75C20-20FW
1 1/4"	G 1 1/4	111,76	120,65	50,80	2,04	345	75C20-20RPW
1 1/4"	1 1/4-11 1/2NPTF	111,76	120,65		2,04	345	75C20-20F-DBP
1 1/2"	1 1/2-11 1/2 NPTF	128,02	146,05	57,15	3,31	345	75C24-24FW
1 1/2"	G 1 1/2	128,02	146,05	57,15	3,31	345	75C24-24RPW
1 1/2"	1 1/2-11 1/2 NPTF	128,02	146,05		3,31	345	75C24-24F-DBP
2"	2-11 1/2 NPT	154,18	171,45	76,20	6,98	345	75C32-32FW
2"	G 2	154,18	171,45	76,20	6,98	345	75C32-32RPW
2"	2-11 1/2 NPT	154,18	171,45		6,98	345	75C32-32F-DBP
2 1/2"	2 1/2 - 8 NPTF	134,37	203,20	88,90	9,07	207	75C40-40FW
2 1/2"	G 2 1/2	134,37	203,20	88,90	9,07	207	75C40-40RPW
3"	3-8 NPTF	148,34	215,90	107,95	13,60	207	75C48-48FW
3"	G 3	148,34	215,90	107,95	13,60	207	75C48-48RPW

Plugs — 75-Series Steel

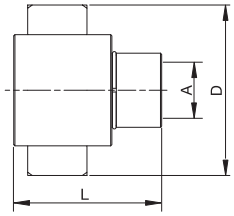


Female Thread

Body Size	Connection A	L mm	D mm	Across Flats mm	Weight kg	Max. Operating Pressure in bar	Part Number
3/4"	3/4-14 NPSF	83,06	44,45	39,62	0,44	345	75N12-12FW
3/4"	G 3/4	83,06	44,45	39,62	0,44	345	75N12-12RPW
3/4"	3/4-14 NPSF	83,06	44,45		0,44	345	75N12-12F-DBP
1"	1-11 1/2NPSF	105,92	57,15	50,80	1,00	345	75N16-16FW
1"	G 1	105,92	57,15	50,80	1,00	345	75N16-16RPW
1"	1-11 1/2NPSF	105,92	57,15		1,00	345	75N16-16F-DBP
1 1/4"	1 1/4-11 1/2NPTF	136,14	66,55	60,45	1,72	345	75N20-20FW
1 1/4"	G 1 1/4	136,14	66,55	60,45	1,72	345	75N20-20RPW
1 1/4"	1 1/4-11 1/2NPTF	136,14	66,55		1,72	345	75N20-20F-DBP
1 1/2"	1 1/2-11 1/2 NPTF	151,64	82,30	73,15	2,95	345	75N24-24FW
1 1/2"	G 1 1/2	151,64	82,30	73,15	2,95	345	75N24-24RPW
1 1/2"	1 1/2-11 1/2 NPTF	151,64	82,30		2,95	345	75N24-24F-DBP
2"	2-11 1/2 NPT	179,07	101,60	88,90	5,78	345	75N32-32FW
2"	G 2	179,07	101,60	88,90	5,78	345	75N32-32RPW
2"	2-11 1/2 NPT	179,07	101,60		5,78	345	75N32-32F-DBP
2 1/2"	2 1/2 - 8 NPTF	189,48	127,00	88,90	7,26	207	75N40-40FW
2 1/2"	G 2 1/2	189,48	127,00	88,90	7,26	207	75N40-40RPW
3"	3-8 NPTF	209,80	152,40	107,95	12,96	207	75N48-48FW
3"	G 3	209,80	152,40	107,95	12,96	207	75N48-48RPW

⚠ Please consider our security advices on the pages 14/15 ⚠

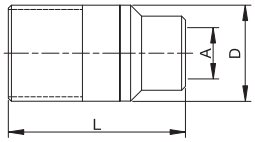
Couplings — 75-Series Stainless Steel



Female Thread

Body Size	Connection A	L mm	D mm	Weight kg	Max. Operating Pressure in bar	Part Number
3/4"	3/4-14 NPSF	72,14	47,50 (hex)	0,59	207	S75C12-12F
3/4"	G 3/4	72,14	47,50 (hex)	0,59	207	S75C12-12RP
1"	1-11 1/2 NPSF	87,63	107,95	1,27	207	S75C16-16F
1"	G 1	87,63	107,95	1,27	207	S75C16-16RP
1 1/4"	1 1/4-11 1/2 NPT	111,76	120,65	2,04	207	S75C20-20F
1 1/4"	G 1 1/4	111,76	120,65	2,04	207	S75C20-20RP
1 1/2"	1 1/2-11 1/2 NPT	128,02	146,05	3,31	207	S75C24-24F
1 1/2"	G 1 1/2	128,02	146,05	3,31	207	S75C24-24RP
2"	2-11 1/2 NPT	154,18	171,45	6,98	207	S75C32-32F
2"	G 2	154,18	171,45	6,98	207	S75C32-32RP

Plugs — 75-Series Stainless Steel



Female Thread

Body Size	Connection A	L mm	D mm	Weight kg	Max. Operating Pressure in bar	Part Number
3/4"	3/4-14 NPSF	83,06	44,45	0,44	207	S75N12-12F
3/4"	G 3/4	83,06	44,45	0,44	207	S75N12-12RP
1"	1-11 1/2 NPSF	105,92	57,15	1,00	207	S75N16-16F
1"	G 1	105,92	57,15	1,00	207	S75N16-16RP
1 1/4"	1 1/4-11 1/2 NPT	136,14	66,55	1,72	207	S75N20-20F
1 1/4"	G 1 1/4	136,14	66,55	1,72	207	S75N20-20RP
1 1/2"	1 1/2-11 1/2 NPT	151,64	82,30	2,95	207	S75N24-24F
1 1/2"	G 1 1/2	151,64	82,30	2,95	207	S75N24-24RP
2"	2-11 1/2 NPT	179,07	101,60	5,78	207	S75N32-32F
2"	G 2	179,07	101,60	5,78	207	S75N32-32RP

Dust Protection — 75-Series

Body Size	Version	Material	Part Number
3/4"	for coupling	Steel	75MDP-12
1"	for coupling	Steel	75MDP-16
1 1/4"	for coupling	Steel	75MDP-20
1 1/2"	for coupling	Steel	75MDP-24
2"	for coupling	Steel	75MDP-32
2 1/2"	for coupling	Steel	75MDP-40
3"	for coupling	Steel	75MDP-48
3/4"	for plug	Steel	75MDC-12
1"	for plug	Steel	75MDC-16
1 1/4"	for plug	Steel	75MDC-20
1 1/2"	for plug	Steel	75MDC-24
2"	for plug	Steel	75MDC-32
2 1/2"	for plug	Steel	75MDC-40
3"	for plug	Steel	75MDC-48

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Screw-to-connect

Body Size
3/4" up to 1 1/2"

Parker Profile
6100-Series

Technical Description
Screw-to-connect coupling. Connection and disconnection possible with full system pressure. Compatible with a broad range of media. Limited fluid spillage during disconnection.

Advantages
Bonded valve seal permits full pressure connect and disconnect without seal washout. Heavy-duty wing nut, ruggedly built, specifically to withstand the hammer blows, used to tighten and loosen this coupler. Flush-faced poppet valve for reduced spillage during disconnection. Connection indicator: visual check for complete connection of the couplings.
The flange is designed to give a positive "no-slip" bulkhead mounting to reduce downtime.

Applications
- Dump trailers: to connect the tractor to wet-line hydraulic systems
- Connection of hydraulic lines on oil field equipment like power tongs, swivels and mobile drilling rigs.
- Submersible pumps, engine test stands
- Applications where heavy-duty couplings are required

Working Temperature
-40°C up to +110°C (NBR) depending on the medium.

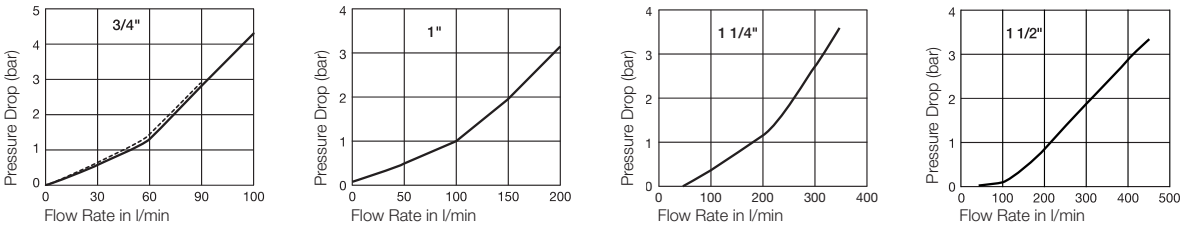
Working pressure

Body Size	Max. operating pressure connected
3/4"	210 bar
1"	210 bar
1 1/4"	190 bar
1 1/2"	175 bar

Material Coupling	Standard
Coupling Body	Brass
Sleeve	Steel
Back-up Ring	PTFE
Valve	Brass
Springs	Stainless Steel
Seals	NBR

Material Plug	Standard
Plug Body	Brass
Valve	Brass
Springs	Stainless Steel
Seals	NBR

Flow Capacity with Oil with Viscosity of 43cSt at 38°C as per ISO 7241/2-2000



—— Female thread 1/2" – 14
····· Female thread 3/4" – 18

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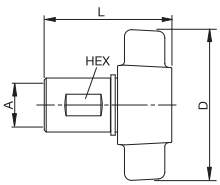
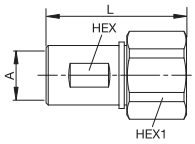
Couplings with Wing Nut — 6100-Series



Female Thread

Body Size	Connection A	Thread	Hex	Hex1	D mm	L mm	Weight gr.	Part Number
3/4"	1/2"	BSPP	1 5/32"		102,6	75,9	600	6125-08-BSPP
3/4"	3/4"	BSPP	1 5/32"		102,6	79,8	560	6125-12-BSPP
3/4"	1/2" - 14	NPTF	1 5/32"		102,6	75,9	590	6125-08
3/4"	3/4" - 14	NPTF	1 5/32"		102,6	79,8	572	6125-12
1"	1"	BSPP	1 7/16"		111,3	96,5	869	6125-16-BSPP
1"	1" - 11 1/2	NPTF	1 7/16"		111,3	96,5	857	6125-16
1 1/4"	1 1/4"	BSPP	1 25/32"		132,1	103,8	1221	6125-20-BSPP
1 1/4"	1 1/4" - 11 1/2	NPTF	1 25/32"		132,1	103,8	1288	6125-20
1 1/2"	1 1/2"	BSPP	2"		135,1	108,5	1733	6125-24-BSPP
1 1/2"	1 1/2" - 11 1/2	NPTF	2"		135,1	108,5	1687	6125-24

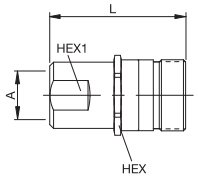
Couplings with Hexagon Nut — 6100-Series



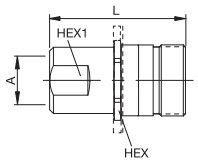
Female Thread

Body Size	Connection A	Thread	Hex	Hex1	D mm	L mm	Weight gr.	Part Number
3/4"	1/2" - 14	NPTF	1 5/32"	1 3/4"		81,8	485	6135-08
3/4"	3/4" - 14	NPTF	1 5/32"	1 3/4"		81,8	485	6135-12
1"	1" - 11 1/2	NPTF	1 7/16"	2 1/8"		98,3	739	6135-16
1 1/4"	1 1/4" - 11 1/2	NPTF	1 25/32"	2 1/2"		105,6	1120	6135-20

Plugs — 6100-Series



Female Thread - without flange

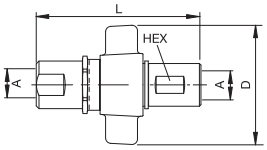


Female Thread - with flange

Body Size	Connection A	Thread	Hex	Hex1	D mm	L mm	Weight gr.	Part Number
3/4"	1/2"	BSPP	1 5/8"	1 3/16"		79	416	6105-08-BSPP
3/4"	3/4"	BSPP	1 5/8"	1 3/16"		83,8	349	6105-12-BSPP
3/4"	1/2" - 14	NPTF	1 5/8"	1 3/16"		79	374	6105-08
3/4"	3/4" - 14	NPTF	1 5/8"	1 3/16"		82	358	6105-12
1"	1"	BSPP	1 7/8"	1 9/16"		90,2	571	6105-16-BSPP
1"	1" - 11 1/2	NPTF	1 7/8"	1 9/16"		90,2	589	6105-16
1 1/4"	1 1/4"	BSPP	2 1/8"	1 7/8"		94,2	754	6105-20-BSPP
1 1/4"	1 1/4" - 11 1/2	NPTF	2 1/8"	1 7/8"		94,2	741	6105-20
1 1/2"	1 1/2"	BSPP	2 1/2"	2 3/16"		104,6	1155	6105-24-BSPP
1 1/2"	1 1/2" - 11 1/2	NPTF	2 1/2"	2 3/16"		104,6	988	6105-24
3/4"	1/2" - 14	NPTF	1 5/8"	1 3/16"		79	374	6115-08
3/4"	3/4" - 14	NPTF	1 5/8"	1 3/16"		82	358	6115-12
1"	1" - 11 1/2	NPTF	1 7/8"	1 9/16"		90,2	589	6115-16
1 1/4"	1 1/4" - 11 1/2	NPTF	2 1/8"	1 7/8"		94,2	741	6115-20
1 1/2"	1 1/2" - 11 1/2	NPTF	2 1/2"	2 3/16"		104,6	988	6115-24

⚠ Please consider our security advices on the pages 14/15 ⚠

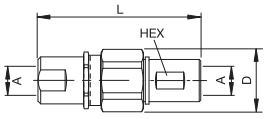
Complete Set with Wing Nut (Male + Female) 6100-Series



Female Thread

Body Size	Connection A	Thread	Hex	Hex1	D mm	L mm	Weight gr.	Part Number
3/4"	1/2" - 14	NPTF	1 5/32"		102,6	132,1		6100-08
3/4"	3/4" - 14	NPTF	1 5/32"		102,6	132,1		6100-12
1"	1" - 11 1/2	NPTF	1 7/16"		111,3	152,1		6100-16
1 1/4"	1 1/4" - 11 1/2	NPTF	1 25/32"		132,1	160,8		6100-20
1 1/2"	1 1/2" - 11 1/2	NPTF	2"		135,1	166,4		6100-24

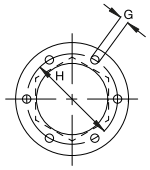
Complete Set with Hexagon Nut (Male + Female) 6100-Series



Female Thread

Body Size	Connection A	Thread	Hex	Hex1	D mm	L mm	Weight gr.	Part Number
3/4"	1/2" - 14	NPTF	1 5/32"		102,6	132,1		6120-08
3/4"	3/4" - 14	NPTF	1 5/32"		102,6	132,1		6120-12
1"	1" - 11 1/2	NPTF	1 7/16"		111,3	152,1		6120-16
1 1/4"	1 1/4" - 11 1/2	NPTF	1 25/32"		132,1	160,8		6120-20
1 1/2"	1 1/2" - 11 1/2	NPTF	2"		135,1	166,4		6120-24

Flange 6100-Series



Body Size	G mm	H mm	Part Number
3/4"	5,3	54,0	6107-08
1"	5,3	60,3	6107-16
1 1/4"	5,3	66,7	6107-20
2 1/2"	7,1	82,6	6107-24

Dust Protection 6100-Series

Body Size	Version	Part Number
3/4"	for coupling	6109-08
1"	for coupling	6109-16
1 1/4"	for coupling	6109-20
1 1/2"	for coupling	6109-24
3/4"	for plug	6108-08
1"	for plug	6108-16
1 1/4"	for plug	6108-20
1 1/2"	for plug	6108-24

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Screw-to-connect

Body Size

3/8" up to 2"

Screw-to-Connect

FET-Series

Technical Description
Screw-to-connect type of couplings for difficult applications. Working pressure up to 415 bar. Flat face valves to avoid fluid loss and protect environnement.

Advantages
- No fluid loss during connection/disconnection
- Good resistance to vibrations and mechanical stresses due to screw connection
- Connectable under residual pressure up to 345 bar

Applications
- Mobile and construction equipment: cranes, drilling machines, excavators, hammers, thumbs
- Oil field: wellhead drives

Working Pressure
See charts.

Working Temperature
-20°C up to +100°C (NBR)

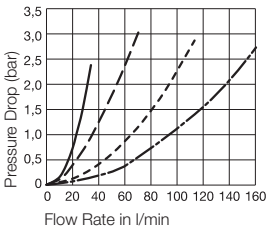
Max. Residual Pressure

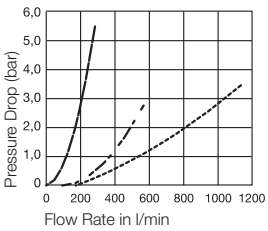
Body Size	during connection	during disconnection
3/8"	345 bar	172 bar
1/2"	345 bar	172 bar
5/8"	345 bar	172 bar
3/4"	345 bar	172 bar
1"	345 bar	172 bar
1 1/2"	345 bar	172 bar
2"	345 bar	172 bar

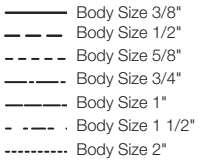
Material Coupling	Steel
Coupling Body	Steel
Sleeve	Steel
Valve	Stainless steel
Springs	Stainless steel
Locking Balls	Steel
Seals	Nitrile/Polyurethane

Material Plug	Steel
Plug Body	Steel
Valve	Stainless steel
Springs	Stainless steel
Seals	Nitrile
Valve Holder	Steel

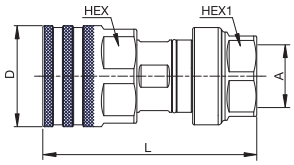
Flow Capacity with Oil with Viscosity of 43cSt at 38°C as per ISO 7241/2-2000







Couplings — FET-Series

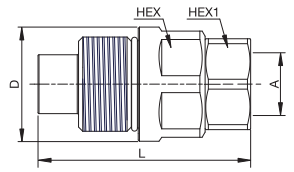


Female Thread - NPTF

Body Size	Connection A	HEX mm	HEX 1 mm	L mm	D mm	Weight gr.	Max. Operating Pressure in bar*	Part Number
3/8"	1/2"-14	38	30	99,3	42	417	415	FET-371-8FP
1/2"	1/2"-14	48	38	94,0	52,1	626	415	FET-501-8FP
5/8"	3/4"-14	50	41,3	114,8	53,9	921	345	FET-621-12FP
3/4"	1" -11 1/2	55	50	138,2	58,7	1520	345	FET-751-16FP
1"	1 1/4"-11	65	55,6	148,0	69,9	2159	345	FET-1001-20FP
1 1/2"	1 1/2"-11	85	66,7	180	95,3	4563	345	FET-1501-24FP
2"	2"-11 1/2		95,3	296,4	191,0	15444	345	FET-2001-32FP

* Max. service pressure connected

Plugs — FET-Series



Female Thread - NPTF

Body Size	Connection A	HEX mm	HEX 1 mm	L mm	D mm	Weight gr.	Max. Operating Pressure in bar*	Part Number
3/8"	1/2"-14	38,0	31,8	89,2	40,7	450	415	FET-372-8FP
1/2"	1/2"-14	44,0	28,6	89,0	47,8	513	415	FET-502-8FP
5/8"	3/4"-14	50,0	41,3	103,7	53,9	916	345	FET-622-12FP
3/4"	1"-11 1/2	55,0	50,0	118,2	58,7	1234	345	FET-752-16FP
1"	1 1/4"-11	65,0	55,6	130,0	70,0	1973	345	FET-1002-20FP
1 1/2"	1 1/2"-11	75,0	66,7	151,0	95,3	3630	345	FET-1502-24FP
2"	2"-11 1/2	114,3	95,3	217,4	145,0	12033	345	FET-2002-32FP

* Max. service pressure connected

Dust Protection — FET-Series

Body Size	Version	Material	Part Number
3/8"	for coupling	Aluminium	FET3DP-01
1/2"	for coupling	Aluminium	FET5DP-01
5/8"	for coupling	Aluminium	FET6DP-01
3/4"	for coupling	Aluminium	FET7DP-01
1"	for coupling	Aluminium	FET10DP-01
1 1/2"	for coupling	Aluminium	FET15DP-01
2"	for coupling	Aluminium	FET20DP-01
3/8"	for plug	Aluminium	FET3DC-01
1/2"	for plug	Aluminium	FET5DC-01
5/8"	for plug	Aluminium	FET6DC-01
3/4"	for plug	Aluminium	FET7DC-01
1"	for plug	Aluminium	FET10DC-01
1 1/2"	for plug	Aluminium	FET15DC-01
2"	for plug	Aluminium	FET20DC-01

⚠ Please consider our security advices on the pages 14/15 ⚠

Screw-to-connect

Body Size
1/2" up to 1 1/2"

Screw-to-Connect
59-Series

Technical Description
Parker Snap-tite 59 series is ideal for high impulse applications that require the security of a threaded connection and the ability to connect and disconnect under residual pressure.

Advantages
- Robust ACME thread has a double start feature and allows full connection to be quickly completed in 2 1/2 turns.
- Minimal resistance for easy connection
- Connect with up to 345 bar residual pressure
- Disconnect with up to 172 bar residual pressure
- Visual confirmation when full connection is complete

Applications
- Mobile drill rigs
- Oil field equipment
- Umbilical lines
- High impulse mobile circuits
- Excavator attachments

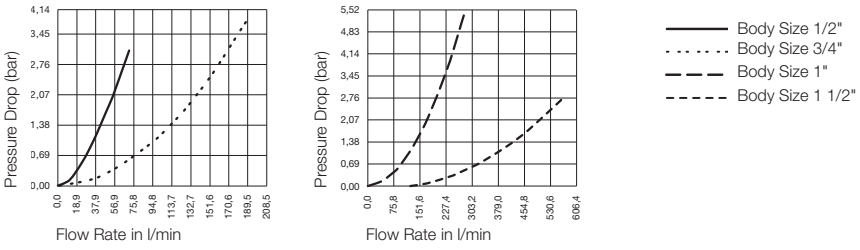
Working Pressure
See charts.

Working Temperature
-40°C up to +121°C (NBR) depending on the medium.

Material Coupling	Steel
Coupling Body	Steel
Sleeve	Steel
Valve	17-4 PH
Seals	Nitrile & Polyurethane
Plating	Zinc nickel coating

Material Plug	Steel
Plug Body	Steel
Valve	Steel
Seals	Nitrile & Polyurethane
Plating	Zinc nickel coating

Flow Capacity with Hydraulic Oil with Viscosity of 30cSt



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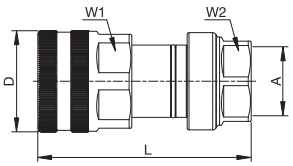
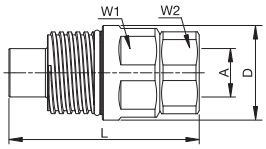
Couplings 59-Series



Female Thread

Body Size	Connection A	L mm	D mm	Wrench Flat W1 mm	Wrench Flat W2 mm	Weight kg	Max. Operating Pressure in bar	Part Number
1/2	1/2-14 NPSF	93,98	52,07	38,10	47,63	0,61	414	59-501-8FP
1/2	3/4-16 UNF	94,99	52,07	38,10	47,63	0,62	414	59-501-8FO
3/4	3/4-14 NPTF	140,46	63,25	60,33	50,80	1,69	345	59-751-12FP
3/4	1 1/16-12 UNF	135,64	63,25	60,33	50,80	1,67	345	59-751-12FO
1	1-11 1/2 NPTF	147,83	69,85	65,00	55,56	2,19	345	59-1001-16FP
1	1 5/16-12 UNF	147,83	69,85	65,00	55,56	2,16	345	59-1001-16FO
1 1/2	1 1/4-11 1/2 NPTF	179,83	94,99	90,00	66,68	4,50	345	59-1501-20FP
1 1/2	1 5/8-12 UNF	179,83	94,99	90,00	66,68	4,39	345	59-1501-20FO
1 1/2	1 1/2-11 1/2 NPTF	179,83	94,99	90,00	66,68	4,50	345	59-1501-24FP
1 1/2	1 7/8-12 UNF	179,83	94,99	90,00	66,68	4,39	345	59-1501-24FO

Plugs 59-Series



Female Thread

Body Size	Connection A	L mm	D mm	Wrench Flat W1 mm	Wrench Flat W2 mm	Weight kg	Max. Operating Pressure in bar	Part Number
1/2	1/2-14 NPSF	88,90	47,75	44,45	28,58	0,49	414	59-502-8FP
1/2	3/4-16 UNF	88,90	47,75	44,45	47,63	0,49	414	59-502-8FO
3/4	3/4-14 NPTF	118,11	58,67	55,00	50,80	1,27	345	59-752-12FP
3/4	1 1/16-12 UNF	121,16	58,67	55,00	50,80	1,30	345	59-752-12FO
1	1-11 1/2 NPTF	130,05	69,85	65,00	55,56	2,00	345	59-1002-16FP
1	1 5/16-12 UNF	130,05	69,85	65,00	55,56	1,99	345	59-1002-16FO
1 1/2	1 1/4-11 1/2 NPTF	150,88	95,25	75,00	66,68	3,78	345	59-1502-20FP
1 1/2	1 5/8-12 UNF	150,88	95,25	75,00	66,68	3,76	345	59-1502-20FO
1 1/2	1 1/2-11 1/2 NPTF	150,88	95,25	75,00	66,68	3,78	345	59-1502-24FP
1 1/2	1 7/8-12 UNF	150,88	95,25	75,00	66,68	3,76	345	59-1502-24FO

Dust Protection 59-Series

Body Size	Version	Material	Part Number
1/2	for coupling	Steel	595DP-01
3/4	for coupling	Steel	597DP-01
1	for coupling	Steel	5910DP-01
1 1/2	for coupling	Steel	5915DP-01
1/2	for plug	Steel	595DC-01
3/4	for plug	Steel	597DC-01
1	for plug	Steel	5910DC-01
1 1/2	for plug	Steel	5915DC-01

⚠ Please consider our security advices on the pages 14/15 ⚠

Body Size
1/2"

Multi-Couplings
MACH-Series

Technical Description
The couplings meet the requirements of ISO 7241-1 Series A. Possible to connect 4, 5, 6 or 7 hydraulic lines simultaneously. No coupling misconnection or accidental disconnection. Using a standard interface will still allow end users to connect their standard quick coupling equipped implements. In the version with seven lines (MACH 7), the base connector is equipped with an electrical connector as standard feature, which is an option on the MACH 4, 5 and 6.

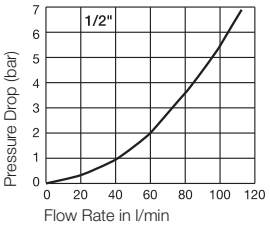
Advantages
Individual ball locking system and central cam locking mechanism: a simple movement enables to connect all the hydraulic lines. Three part poppet style valving with a molded shaped seal to prevent seal washout at high flow rates. Possible to connect with two lines under 200 bar, if other lines are not under pressure. Easy and fast connection and disconnection of implements or tooling.

Applications
- Agricultural (front loaders, hedge cutters,...)
- Road service vehicles (road systems lorries, road sweepers, snowploughs,...)
- Industrial Applications

Working Pressure
max. 250 bar

Working Temperature
-30°C up to +110°C (NBR) depending on the medium.

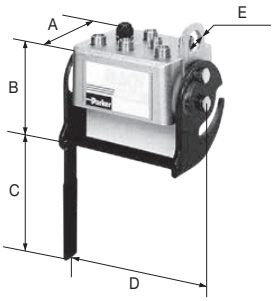
Flow Capacity with Oil with Viscosity of 43cSt at 38°C as per ISO 7241/2-2000



Technical Performance Data

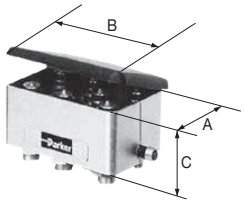
Body Size inch	Temperatur Range	Maximum operating pressure
1/2"	-30°C up to +110°C	250 bar

Top Connector (Coupling Plate)
This top connector unit includes the top casting and automatic protective cover, 4 to 7 female quick couplings and a complete locking system. In the most common version with 7 lines, the top connector is also equipped with a 6 line male electrical connector as a standard feature.



	1/2"
A	120 mm
B	145 mm
C	160 mm
D	210 mm
E	Ø 30 mm

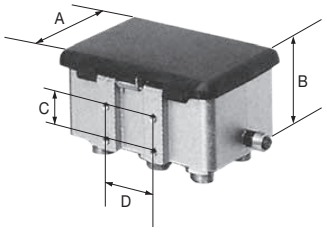
Base Connector (Plug Plate)
This base connector unit includes the base casting and automatic protective cover, 4 to 7 male quick couplings and the positioning pins. Also included are an adaptor and a plastic hose to drain oil. In the most common version with 7 lines, the base connector is also equipped with a 6 line male electrical connector as a standard feature.



	1/2"
A	109 mm
B	170 mm
C	70 mm

Material	
Coupling-/Plug Plates	Steel
Support Plate	Steel
Protective Cap	Thermoplastic
Couplings and Plugs	Steel
Seals	NBR
Locking Mechanism	Steel
Connector Castings	Aluminium

Installation
Base unit: Mounted with 4 screws M 8 x 1,25 mm



	1/2"
A	125 mm
B	80 mm
C	30 mm
D	50 mm

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Coupling Plate — MACH-Series

Body Size	Number of Hydraulic Lines	Number of Threads DIN2353 15L (M22x1,5)	Number of Threads DIN2353 12L (M18x1,5)	Electrical Connector	Part Number
1/2"	4	4	0	without	MACH4/715LT
1/2"	5	5	0	with	MACH5/715LTE
1/2"	6	6	0	without	MACH6/715LT
1/2"	6	6	0	with	MACH6/715LTE
1/2"	7	6	1	with	MACH 7T

Plug Plate — MACH-Series

Body Size	Number of Hydraulic Lines	Number of Threads DIN2353 15L (M22x1,5)	Number of Threads DIN2353 12L (M18x1,5)	Electrical Connector	Part Number
1/2"	4	4	0	without	MACH4/715LB
1/2"	5	5	0	with	MACH5/715LBE
1/2"	6	6	0	without	MACH6/715LB
1/2"	6	6	0	with	MACH6/715LBE
1/2"	7	6	1	with	MACH 7B

Oil Drain Kit

Description	Part Number
This kit includes the removable tank to contain oil spillage and a holding fixture.	MACH A

⚠ Please consider our security advices on the pages 14/15 ⚠

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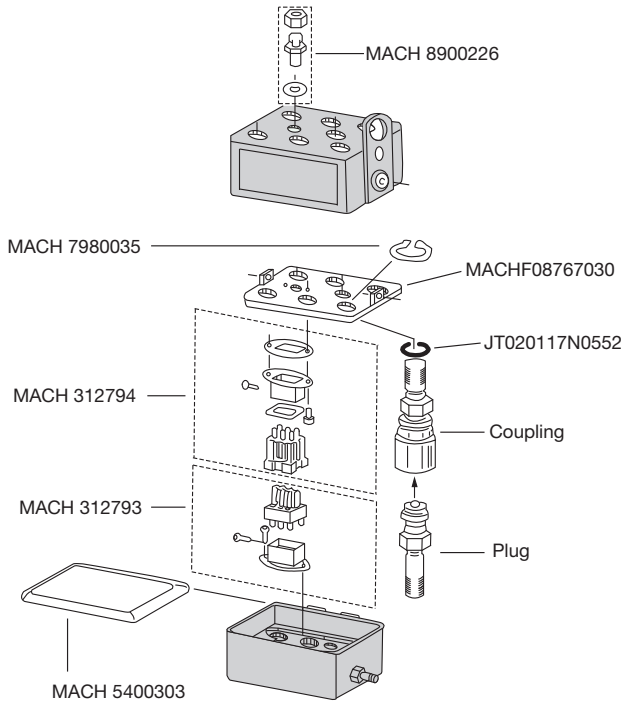
Spare Parts — MACH-Series



Description	End Configuration	Part Number
Female Electrical Plug Kit		MACH 312794
Male Electrical Plug Kit		MACH 312793
Grommet		MACH 8900226
Snap ring		MACH7980035
Counter plate		MACHF08767030
Cover		MACH5400303
Adaptor outside seal		JT020117N0552
Coupling	DIN 2353-15L	3V54D6X5MCH
Plug	DIN 2353-15L	4V14E6X5MCHA
Coupling	DIN 2353-12L	3V54D6X4MCH
Plug	DIN 2353-12L	4V14E6X4MCHA

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Body Size
1/2"

Multi-Couplings
MACH 2-Series

Technical Description
The couplings meet requirements of ISO 7241-1 Series A. Possibility to connect 2 hydraulic lines simultaneously. No coupling misconnection or accidental disconnection. Possibility of connecting under pressure up to 250 bar in one hydraulic line only.

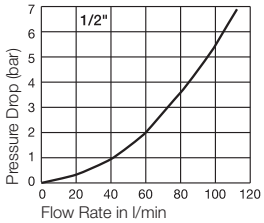
Advantages
Central came locking system. Poppet style valving with a molded shaped seal to prevent seal washout at high flow rates.

Applications
- Agricultural (front loaders, hedge cutters,...)
- Road service vehicles (road systems lorries, road sweepers, snowploughs,...)
- Industrial Applications

Working Pressure
max. 250 bar

Working Temperature
-30°C up to +110°C (NBR) depending on the medium.

Flow Capacity with Oil with Viscosity of 43cSt at 38°C as per ISO 7241/2-2000

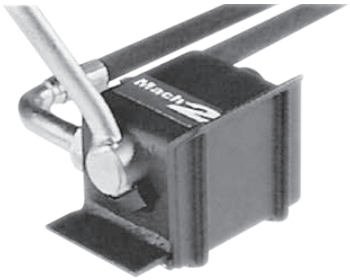


Technical Performance Data

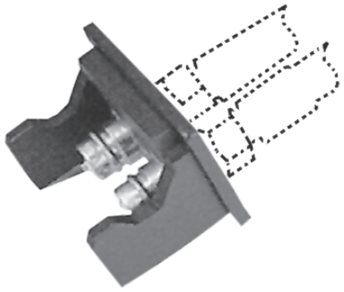
Body Size inch	Temperatur Range	Maximum operating pressure
1/2"	-30°C up to +110°C	250 bar

Material	
Protective Cap	Thermoplastic
Quick Connect Couplings/-Plugs	Steel
Seals	NBR
Locking Mechanism	Steel
Casting Boxes	Steel

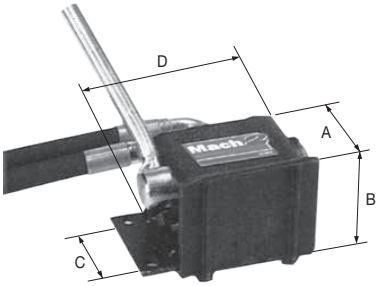
Connecting box (Coupling Plate)
Complete unit including the base connector unit, its dust cover, a lever acting as a central locking device and 2 female couplings.



Plug Plate
Complete unit including the connecting plug and 2 male tips, which meet the requirements of ISO 7241-1-A.



Installation
Mechanical attachment: 2 mounting holes Ø 8,5 mm



	1/2"
A	100 mm
B	80 mm
C	55 mm
D	125 mm

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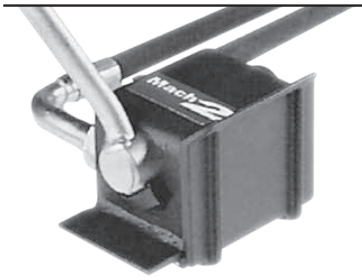
Coupling Plate — MACH 2-Series

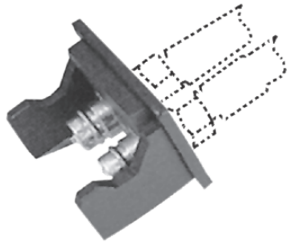


End Configuration	Coupling (2 pcs.)	Top Casting (1 pc.)	Weight gr.	Part Number
M 22 x 1,5 - DIN2353-15L	1/2"	1/2"	2723	MACH2-IA-B

Other types of MACH 2 with non-spill connections are also available on request.

Please consult us for further information.

Plug Plate — MACH 2-Series



End Configuration	Coupling (2 pcs.)	Top Casting (1 pc.)	Weight gr.	Part Number
M 22 x 1,5 - DIN2353-15L	1/2"	1/2"	1203	MACH2-IA-P

Spare Parts

Description	Part Number
Coupling seal	JT020117N0552
Coupling	LV54D6X5MLXC
Plug	LV14E6X5MLX

⚠ Please consider our security advices on the pages 14/15 ⚠

Body Size

3/8" and 1/2"

Multi-Couplings

I-Connect 2+®

Technical Description
Multiple connector system with four lines for various hydraulic applications.
Plates are made of aluminium for a light weight. Dust caps made of thermoplastic to protect the disconnected couplings against dust and dirt from the environment.

The I-Connect 2+ Multi-Coupling system is a registered trademark.

Advantages
- Multiposition lever to adapt to the customer needs
- Safety locking
- Light weight
- Versions with couplings with pressure eliminator available as an option
- 3/8" & 1/2" couplings can be mounted on the same plate

Applications
- Agricultural (can be mounted directly on standard front loader valves, hedge cutters, ...)
- Road service vehicles (roadsystems lorries, road sweepers, snowploughs,...)
- Industrial Applications

Working Pressure
250 bar

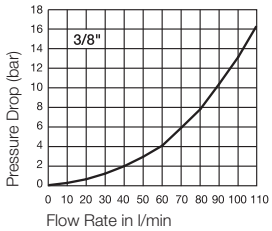
Working Temperature
-30°C up to +100°C (NBR) depending on the medium. Special seals are available on request.

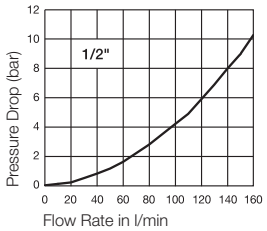
Connection under pressure

	Male Type	Standard	With Pressure Eliminator
	Number of lines under pressure	2	4
Pressure (male side)	< 50 bar	YES	YES
Pressure (male side)	50 up to 250 bar	NO	YES

Material	
Couplings and Plugs	Steel, Zn-Cr III plated
Support Plate	Aluminium
Seals	NBR
Locking Mechanism	Steel, Zn-Cr III plated
Protective Cap	Thermoplastic

Flow Capacity with Oil with Viscosity of 43cSt at 38°C as per ISO 7241/2-2000





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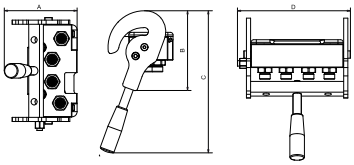
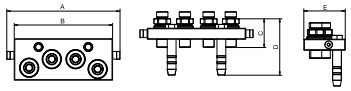
Coupling Plate — I-Connect 2+®



Coupling Size	Couplings Threaded Connection	A mm	B mm	C mm	D mm	E mm	Weight gr.	Part Number
3/8"	G 1/2 (ISO 1179-1)	175	149	307	227		4000	MCC-371-0404-02-8FB
1/2"	G 1/2 (ISO 1179-1)	175	149	307	227		4000	MCC-501-0404-02-8FB

Plug Plate — I-Connect 2+®



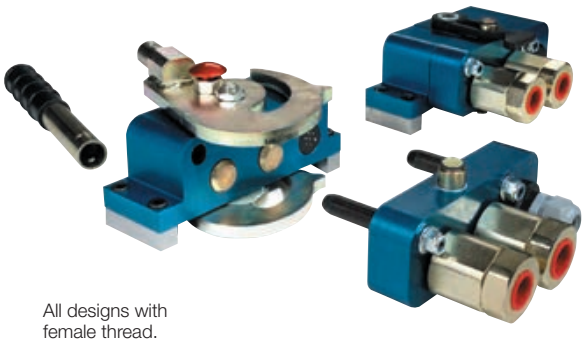
Plug Size	Plug Threaded Connection	A mm	B mm	C mm	D mm	E mm	Weight gr.	Part Number
3/8"	G 1/2 (ISO 1179-1)	213	178	69	115	75	1800	MCC-372-0404-02-8FB
1/2"	G 1/2 (ISO 1179-1)	213	178	69	115	75	1800	MCC-502-0404-02-8FB

⚠ Please consider our security advices on the pages 14/15 ⚠

Body Size

3/8" up to 1/2" C-Line Compact

Multi-Line



All designs with female thread.

Technical Description
Multiple connector system with locking lever and safety locking. Original Tema plug-profile with spill-proof flat face design. Coupling body/plug fitted with high-flow valve system. Adjustable angle on the lever 0 - 180° in steps of 30°.

Pressure Eliminator
All plugs are fitted with pressure eliminators to eliminate residual pressures up to maximum working pressure on the plug side (maximum 50 bar on the coupling side).

7-pole Electrical Connection
- Male part (coupling plate)
- Cable: 7 x 1,5 RDOE 5m
- Female part (plug plate)
- Cable: 7 x 1,5 RDOE 3m
- Not IP classified
- Contact block: NBR
- Connector: (pins and casing) bronze, silver plated
- Electric connection box: Thermoplastic (POM)
- Pull relief (cable): PA/NBR
- Max. voltage: 24 V
- Max. current: 16 A*

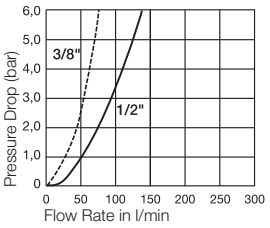
* For return-current through cable, the total permitted current through the connector is maximum 16 A.

Working Temperature
-30°C up to +100°C (NBR/PUR)

Working Pressure
Max. pressure range:
350 bar (design factor 4:1)

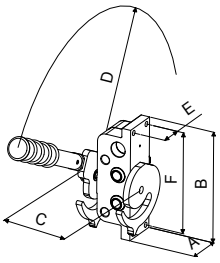
Attention:
To retain the design factor, only half the number of couplings of one size may be pressurised simultaneously.

Flow Capacity with Oil with Viscosity of 32cSt at 40°C as per ISO 7241/2-2000



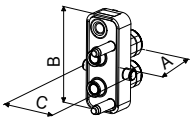
Hydraulic Flow:
3/8" – 54 l/min (3 bar press. drop)
1/2" – 97 l/min (3 bar press. drop)

Nominal Diameter in mm:
3/8" – 10
1/2" – 12,5



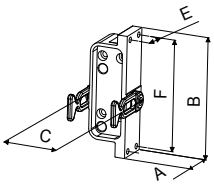
Coupling Plate / Combinations

	3/8" and 1/2"
A	60 mm
B	189 mm
C	108 mm
D	278 mm
E	40 mm
F	173 mm



Plug Plate / Combinations

	3/8"	1/2"
A	72 mm	84 mm
B	150 mm	150 mm
C	88 mm	88 mm



Support Plate

	3/8" and 1/2"
A	52 mm
B	189 mm
C	86 mm
E	30 mm
F	173 mm

Material	
Coupling-/Plug Plates	Aluminium, anodised-blue
Support Plate	Aluminium, anodised-blue
Protective Cap	Aluminium, anodised-blue, NBR-seal
Couplings and Plugs	Steel, zinc-plated, passivated (Cr3+), movable sleeves made of stainless steel AISI 304
Seals	NBR/PUR; replaceable profile ring on plug side
Locking Machanism	Steel, zinc-plated, passivated (Cr3+)
Locking Button	Aluminium, anodised-red
Blank Plug	Thermoplastics (POM)

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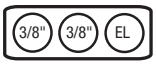
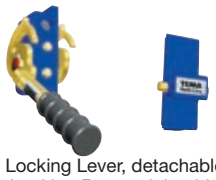
Coupling Plate with Protective Cap (3/8") — C-Line Compact





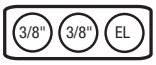
Locking Lever, detachable
Locking Button right side

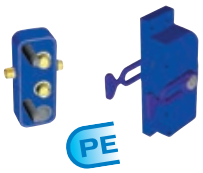
Coupling 3/8"	Electrical Connection (1 pc.)	Blank Plug 1/2"	Locking Lever Pos.	Locking Button	Weight gr.	Part Number
2	7-pole		right	right	6000	TMFC33YBBR*
2		1	right	right	4800	TMFC33WBBR*
2	7-pole		left	left	6000	TMFC33YB**
2		1	left	left	4800	TMFC33WB**

The protective cap is included.

The coupling plate is supplied complete with assembly kit TM-210K.

Plug Plate with Support Plate (3/8") — C-Line Compact



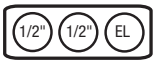


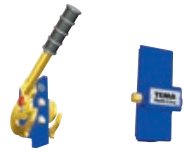
Plug 3/8"	Electrical Connection (1 pc.)	Blank Plug 1/2"	Locking Lever Pos.	Locking Button	Weight gr.	Part Number
2	7-pole				3600	TMMC33Y
2		1			2800	TMMC33W

The support plate is included.

The support plate is supplied complete with assembly kit TM-214K.

Coupling Plate with Protective Cap (1/2") — C-Line Compact





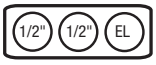
Locking Lever, detachable
Locking Button left Side

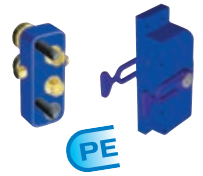
Coupling 1/2"	Electrical Connection (1 pc.)	Blank Plug 1/2"	Locking Lever Pos.	Locking Button	Weight gr.	Part Number
2	7-pole		right	right	6100	TMFC55YBBR*
2		1	right	right	4800	TMFC55WBBR*
2	7-pole		left	left	6100	TMFC55YB**
2		1	left	left	4800	TMFC55WB**

The protective cap is included.

The coupling plate is supplied complete with assembly kit TM-210K.

Plug Plate with Support Plate (1/2") — C-Line Compact





Plug 1/2"	Electrical Connection (1 pc.)	Blank Plug 1/2"	Locking Lever Pos.	Locking Button	Weight gr.	Part Number
2	7-pole				4100	TMMC55Y
2		1			3300	TMMC55W

The support plate is included.

The support plate is supplied complete with assembly kit TM-214K.

* Designed to be used on the right hand side of the excavator arm. On wheel-loaders the mounting is on the inside of the right loading arm. (As seen from the drivers seat).

** Designed to be used on the left hand side of the excavator arm. On wheel-loaders the mounting is on the inside of the left loading arm. (As seen from the drivers seat).

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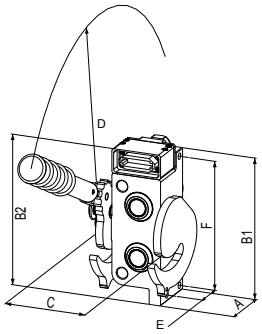
Body Size

Multi-Line

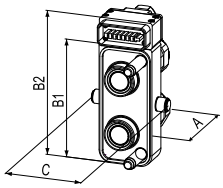
1/2" up to 3/4" C-Line Compact

All designs with female thread.



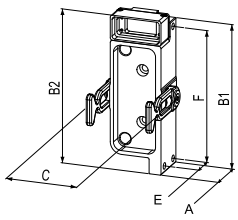
Coupling Plate / Combinations

	1/2" and 3/4"
A	70 mm
B1	189 mm
B2	202 mm[1)]
C	115 mm
D	27 mm
E	40 mm
F	173 mm



Plug Plate / Combinations

	1/2" and 3/4"
A	97 mm
B1	148 mm
B2	181 mm[1)]
C	96 mm



Support Plate

	1/2" and 3/4"
A	52 mm
B1	189 mm
B2	202 mm[1)]
C	93 mm
E	30 mm
F	173 mm

[1)] with electrical plug

Technical Description
Multiple connector system with locking lever and safety locking. Original Tema plug-profile with spill-proof flat face design. Coupling body/plug fitted with high-flow valve system.
Adjustable angle on the lever 0-180° in steps of 30°.

Pressure Eliminator
All plugs are fitted with pressure eliminators to eliminate residual pressures up to maximum working pressure on the plug side (maximum 50 bar on the coupling side).

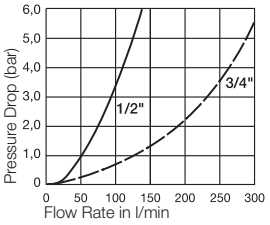
14-pole Electrical Connection
- Delivery without cables
- Protection category IP 67 (coupled)
- Screwed conductor connector: 0,5 – 1,5 mm²
- Pins and sleeves: copper coated
- Elect. junction box: Alumnium
- Traction relief: PA/NBR 9 –16 mm
- Max. voltage: 48 V
- Max. current: 10 A per core

Working Temperature
-30°C up to +100°C (NBR/PUR)

Working Pressure
Max. pressure range:
350 bar (design factor 4:1)

Attention:
To retain the design factor, only half the number of couplings of one size may be pressurised simultaneously.

Flow Capacity with Oil with Viscosity of 32cSt at 40°C as per ISO 7241/2-2000



Hydraulic Flow:
1/2" – 97 l/min (3 bar press. drop)
3/4" – 240 l/min (3 bar press. drop)

Nominal Diameter in mm:
1/2" – 12,5
3/4" – 19

Material	
Coupling-/Plug plates	Aluminium, anodised-blue
Support Plate	Aluminium, anodised-blue
Protective Cap	Aluminium, anodised-blue, NBR-seal
Couplings and Plugs	Steel, zinc-plated, passivated (Cr3+), movable sleeves made of stainless steel AISI 304
Seals	NBR/PUR; replaceable profile ring on plug side
Locking Mechanism	Steel, zinc-plated, passivated (Cr3+)
Locking Button	Aluminium, anodised-red
Blank Plug	Thermoplastics (POM)

Coupling Plate with Protective Cap (1/2") — C-Line Compact

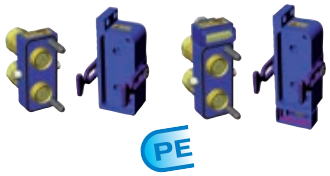
Locking Lever, detachable
Locking Button right Side

Coupling 1/2"	Electrical Connection (1 pc.)	Blank Plug 1/2"	Locking Lever Pos.	Locking Button	Weight gr.	Part Number
2			left	left	5100	TMFC55B**
2	14-pole		left	left	5400	TMFC55QB**
2			right	right	5100	TMFC55BBR*
2	14-pole		right	right	5400	TMFC55QBBR*

The protective cap is included.

The coupling plate is supplied complete with assembly kit TM-210K.

Plug Plate with Support Plate (1/2") — C-Line Compact



Plug 1/2"	Electrical Connection (1 pc.)	Blank Plug 1/2"	Locking Lever Pos.	Locking Button	Weight gr.	Part Number
2					3600	TMMC55
2	14-pole				3900	TMMC55Q

The support plate is included.

The support plate is supplied complete with assembly kit TM-214K.

Coupling Plate with Protective Cap (3/4") — C-Line Compact

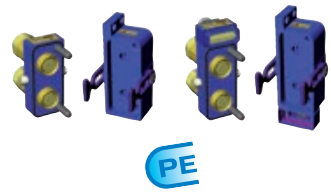
Locking Lever, detachable
Locking Button right Side

Coupling 3/4"	Electrical Connection (1 pc.)	Blank Plug 3/4"	Locking Lever Pos.	Locking Button	Weight gr.	Part Number
2			left	left	5100	TMFC77B**
2	14-pole		left	left	5400	TMFC77QB**
2			right	right	5100	TMFC77BBR*
2	14-pole		right	right	5400	TMFC77QBBR*

The protective cap is included.

The coupling plate is supplied complete with assembly kit TM-210K.

Plug Plate with Support Plate (3/4") — C-Line Compact



Plug 3/4"	Electrical Connection (1 pc.)	Blank Plug 3/4"	Locking Lever Pos.	Locking Button	Weight gr.	Part Number
2					3600	TMMC77
2	14-pole				3900	TMMC77Q

The support plate is included.

The support plate is supplied complete with assembly kit TM-214K.

* Designed to be used on the right hand side of the excavator arm. On wheel-loaders the mounting is on the inside of the right loading arm. (As seen from the drivers seat).

** Designed to be used on the left hand side of the excavator arm. On wheel-loaders the mounting is on the inside of the left loading arm. (As seen from the drivers seat).

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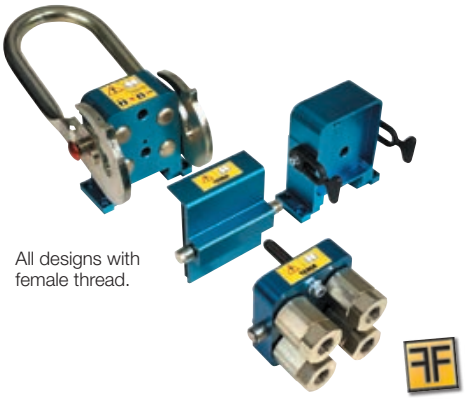
Body Size

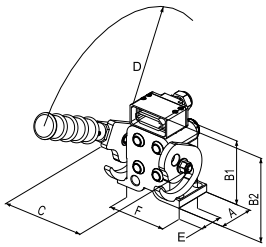
3/8" up to 3/4" C-Line Standard

Multi-Line



All designs with female thread.

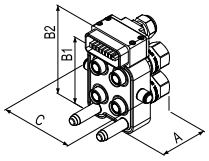
Coupling Plate / Combinations



	3/8", 1/2", 3/8" + 1/2" Twin-arm lever	3/8", 1/2", 3/8" + 1/2" Single lever, fixed	3/8", 1/2", 3/8" + 1/2" Single lever, detachable
A	60 mm	60 mm	60 mm
B1	143 mm	143 mm	143 mm
B2	176 mm	176 mm	176 mm
C	160 mm	165 mm	170 mm
D	270 mm	290 mm	276 mm
E	40 mm	40 mm	40 mm
F	121 mm	121 mm	121 mm

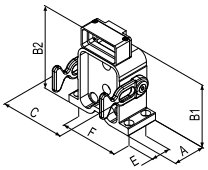
	4 x 3/8" All levers	3/4" + 1/2", 3/4" + 1/2" + 3/8" Twin-arm lever	3/4" + 1/2", 3/4" + 1/2" + 3/8" Single lever, fixed	3/4" + 1/2", 3/4" + 1/2" + 3/8" Single lever, det.
A	60 mm	70 mm	70 mm	70 mm
B1	103 mm	143 mm	143 mm	143 mm
B2	136 mm[1)]	176 mm[1)]	176 mm[1)]	176 mm[1)]
C	135 mm	160 mm	165 mm	170 mm
D	200 mm	270 mm	290 mm	276 mm
E	40 mm	50 mm	50 mm	50 mm
F	96 mm	121 mm	121 mm	121 mm

Pluge Plate / Combinations



	4 x 3/8"	1/2", 3/8" + 1/2"	3/4" + 1/2", 3/4" + 1/2" + 3/8"
A	72 mm	83 mm	95 mm
B1	101 mm	115 mm	115 mm
B2	134 mm[1)]	148 mm	148 mm
C	110 mm	135 mm	135 mm

Support Plate



	4 x 3/8"	all others
A	52 mm	52 mm
B1	103 mm	143 mm
B2	136 mm[1)]	176 mm[1)]
C	106 mm	141 mm
E	32 mm	30 mm
F	96 mm	121 mm

[1)] with electrical plug

Technical Description
Multiple connector system with locking lever and safety locking. Original Tema plug-profile with spill-proof flat face design. Coupling body/plug fitted with high-flow valve system.

Working Pressure
Max. pressure range:
350 bar (design factor 4:1)

Attention:
To retain the design factor, only half the number of couplings of one size may be pressurised simultaneously.

Pressure Eliminator
All plugs are fitted with pressure eliminators to eliminate residual pressures up to maximum working pressure on the plug side (maximum 50 bar on the coupling side).

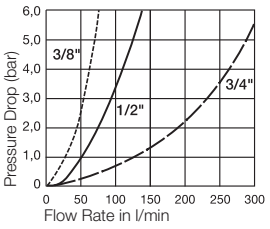
7-pole Electrical Connection
- Male part (coupling plate)
- Cable: 7 x 1,5 RDOE 5m
- Female part (plug plate)
- Cable: 7 x 1,5 RDOE 3m
- Not IP classified
- Contact block: NBR
- Connector: (pins and casing) bronze, silver plated
- Electric connection box: Thermoplastic (POM)
- Pull relief (cable): PA/NBR
- Max. voltage: 24 V
- Max. current: 16 A*

* For return-current through cable, the total permitted current through the connector is maximum 16 A.

14-pole Electrical Connection
- Delivery without cables
- Protection category IP 67 (coupled)
- Screwed conductor connector: 0,5 – 1,5 mm²
- Pins and sleeves: copper coated
- Elect. junction box: Aluminium
- Traction relief: PA/NBR 9 –16 mm
- Max. voltage: 48 V
- Max. current: 10 A per core

Working Temperature
-30°C up to +100°C (NBR/PUR)

Flow Capacity with Oil with Viscosity of 32cSt at 40°C as per ISO 7241/2-2000



Hydraulic Flow:
3/8" – 54 l/min (3 bar press. drop)
1/2" – 97 l/min (3 bar press. drop)
3/4" – 240 l/min (3 bar press. drop)

Nominal Diameter in mm:
3/8" – 10
1/2" – 12,5
3/4" – 19

Material	
Coupling-/Plug plates	Aluminium, anodised-blue
Support Plate	Aluminium, anodised-blue
Protective Cap	Aluminium, anodised-blue, NBR-seal
Quick Connect Couplings/-Plugs	Steel, zinc-plated, passivated (Cr3+), movable sleeves made of stainless steel AISI 304
Seals	NBR/PUR; replaceable profile ring on plug side
Locking Mechanism	Steel, zinc-plated, passivated (Cr3+)
Locking Button	Aluminium, anodised-red
Blank Plug	Thermoplastics (POM)

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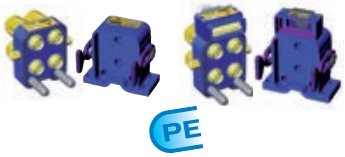
Coupling Plate with Protective Cap (3/8") — C-Line Standard

	Coupling 3/8"	Electrical Connection (1 pc.)	Blank Plug 3/8"	Locking Lever Pos.	Locking Button	Weight gr.	Part Number
Twin-arm Lever Locking Lever, Locking Button left Side	4			Twin-arm	left	3300	TMFC3333
	4	14-pole		Twin-arm	left	3600	TMFC3333Q
	4			Twin-arm	right	3300	TMFC3333R
	4	14-pole		Twin-arm	right	3600	TMFC3333QR
Single Lever, fixed Locking Lever, Locking Button right Side	4			left	left	3300	TMFC3333A
	4	14-pole		left	left	3600	TMFC3333QA
	4			right	right	3300	TMFC3333AAR
	4	14-pole		right	right	3600	TMFC3333QAAR
Single Lever, detachable Locking Lever, Locking Button right Side	4			left	left	3300	TMFC3333B
	4	14-pole		left	left	3600	TMFC3333QB
	4			right	right	3300	TMFC3333BBR
	4	14-pole		right	right	3600	TMFC3333QBBR

Protective cap and assembly screws are included in the delivery.

Plug Plate with Support Plate (3/8") — C-Line Standard

	Plug 3/8"	Electrical Connection (1 pc.)	Blank Plug 3/8"	Locking Lever Pos.	Locking Button	Weight gr.	Part Number
	4					2900	TMMC3333
	4	14-pole				3200	TMMC3333Q

The support plate is included.

Assembly screws and support plate included in the delivery.

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Coupling Plate with Protective Cap (3/8") — C-Line Standard

Coupling 3/8"	Electrical Connection (1 pc.)	Blank Plug 3/8"	Locking Lever Pos.	Locking Button	Weight gr.	Part Number
Twin-arm Lever						
6			Twin-arm	left	3300	TMFC333333
6	14-pole		Twin-arm	left	3600	TMFC333333Q
6			Twin-arm	right	3300	TMFC333333R
6	14-pole		Twin-arm	right	3600	TMFC333333QR
Single Lever, fixed						
6			left	left	3300	TMFC333333A
6	14-pole		left	left	3600	TMFC333333QA
6			right	right	3300	TMFC333333AAR
6	14-pole		right	right	3600	TMFC333333QAAR
Single Lever, detachable						
6			left	left	3300	TMFC333333B
6	14-pole		left	left	3600	TMFC333333QB
6			right	right	3300	TMFC333333BBR
6	14-pole		right	right	3600	TMFC333333QBBR

Locking Lever, Locking Button left Side

Locking Lever, Locking Button right Side

Locking Lever, Locking Button right Side

Protective cap and assembly screws are included in the delivery.

Plug Plate with Support Plate (3/8") — C-Line Standard

Plug 3/8"	Electrical Connection (1 pc.)	Blank Plug 3/8"	Locking Lever Pos.	Locking Button	Weight gr.	Part Number
6					2900	TMMC333333
6	14-pole				3200	TMMC333333Q

PE

Assembly screws and support plate are included in the delivery.

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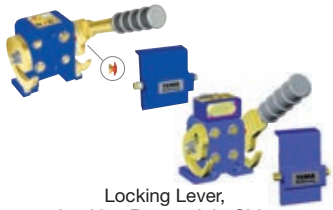
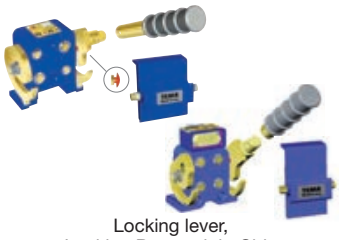
Coupling Plate with Protective Cap (1/2" + 3/8") — C-Line Standard

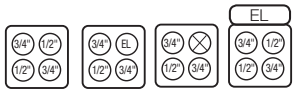
	Coupling 1/2"	Coupling 3/8"	Electrical Connection (1 pc.)	Blank Plug 1/2"	Locking Lever Pos.	Locking Button	Weight gr.	Part Number
Twin-arm Lever Locking Lever, Locking Button left Side	2	2			Twin-arm	left	5900	TMFC5533
	2	2	14-pole		Twin-arm	left	6200	TMFC5533Q
	1	2	7-pole		Twin-arm	left	7100	TMFC5Y33
	1	2		1	Twin-arm	left	5700	TMFC5W33
	2	2			Twin-arm	right	5900	TMFC5533R
	2	2	14-pole		Twin-arm	right	6200	TMFC5533QR
	1	2	7-pole		Twin-arm	right	7100	TMFC5Y33R
	1	2		1	Twin-arm	right	5700	TMFC5W33R
Single Lever, fixed  Locking Lever, Locking Button right Side	2	2			left	left	5500	TMFC5533A
	2	2	14-pole		left	left	5800	TMFC5533QA
	1	2	7-pole		left	left	6700	TMFC5Y33A
	1	2		1	left	left	5400	TMFC5W33A
	2	2			right	right	5500	TMFC5533AAR
	2	2	14-pole		right	right	5800	TMFC5533QAAR
	1	2	7-pole		right	right	6700	TMFC5Y33AAR
	1	2		1	right	right	5400	TMFC5W33AAR
Single Lever, detachable  Locking lever, Locking Button right Side	2	2			left	left	5700	TMFC5533B
	2	2	14-pole		left	left	6000	TMFC5533QB
	1	2	7-pole		left	left	6900	TMFC5Y33B
	1	2		1	left	left	5500	TMFC5W33B
	2	2			right	right	5700	TMFC5533BBR
	2	2	14-pole		right	right	6000	TMFC5533QBBR
	1	2	7-pole		right	right	6900	TMFC5Y33BBR
	1	2		1	right	right	5500	TMFC5W33BBR
	Protective cap and assembly screws are included in the delivery.							

Plug Plate with Support Plate (1/2" + 3/8") — C-Line Standard

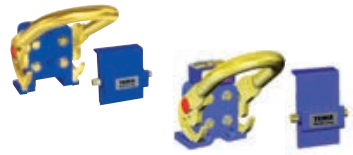
	Plug 1/2"	Plug 3/8"	Electrical Connection (1 pc.)	Blank Plug 1/2"	Locking Lever Pos.	Locking Button	Weight gr.	Part Number
	2	2					4600	TMMC5533
	2	2	14-pole				4700	TMMC5533Q
	1	2	7-pole				4900	TMMC5Y33
	1	2		1			4100	TMMC5W33
	Assembly screws and support plate are included in the delivery.							

⚠ Please consider our security advices on the pages 14/15 ⚠

Coupling Plate with Protective Cap (1/2") — C-Line Standard

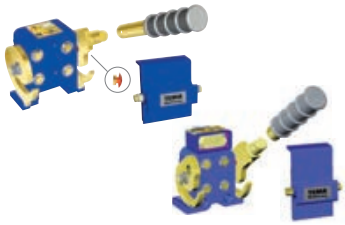


Coupling 1/2"	Electrical Connection (1 pc.)	Blank Plug 1/2"	Locking Lever Pos.	Locking Button	Weight gr.	Part Number
Twin-arm Lever						
4			Twin-arm	left	5900	TMFC5555
4	14-pole		Twin-arm	left	6200	TMFC5555Q
3	7-pole		Twin-arm	left	7100	TMFC555Y
3		1	Twin-arm	left	5700	TMFC555W
4			Twin-arm	right	5900	TMFC5555R
4	14-pole		Twin-arm	right	6200	TMFC5555QR
3	7-pole		Twin-arm	right	7100	TMFC555YR
3		1	Twin-arm	right	5700	TMFC555WR
Single Lever, fixed						
4			left	left	5600	TMFC5555A
4	14-pole		left	left	5900	TMFC5555QA
3	7-pole		left	left	6800	TMFC555YA
3		1	left	left	5400	TMFC555WA
4			right	right	5600	TMFC5555AAR
4	14-pole		right	right	5900	TMFC5555QAAR
3	7-pole		right	right	6800	TMFC555YAAR
3		1	right	right	5400	TMFC555WAAR
Single lever, detachable						
4			left	left	5700	TMFC5555B
4	14-pole		left	left	6000	TMFC5555QB
3	7-pole		left	left	6900	TMFC555YB
3		1	left	left	5500	TMFC555WB
4			right	right	5700	TMFC5555BBR
4	14-pole		right	right	6000	TMFC5555QBBR
3	7-pole		right	right	6900	TMFC555YBBR
3		1	right	right	5500	TMFC555WBBR



Locking Lever, Locking Button left Side

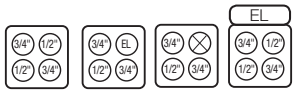
Locking Lever, Locking Button right Side



Locking Lever, Locking Button right Side

Protective cap and assembly screws are included in the delivery.

Plug Plate with Support Plate (1/2") — C-Line Standard



Plug 1/2"	Electrical Connection (1 pc.)	Blank Plug 1/2"	Locking Lever Pos.	Locking Button	Weight gr.	Part Number
4					5100	TMMC5555
4	14-pole				5200	TMMC5555Q
3	7-pole				5400	TMMC555Y
3		1			4600	TMMC555W

Assembly screws and support plate are included in the delivery.

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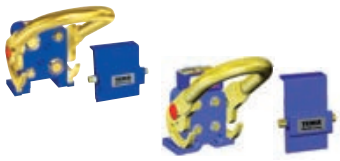
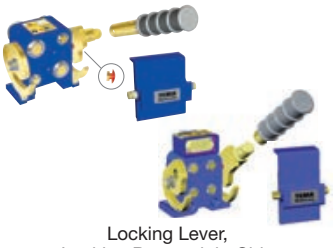
Coupling Plate with Protective Cap (3/4" + 1/2") — C-Line Standard

	Coupling 3/4"	Coupling 1/2"	Electrical Connection (1 pc.)	Blank Plug 1/2"	Locking Lever Pos.	Locking Button	Weight gr.	Part Number
Twin-arm Lever  Locking Lever, Locking Button left Side	2	2			Twin-arm	left	6600	TMFC7755
	2	2	14-pole		Twin-arm	left	6900	TMFC7755Q
	2	1	7-pole		Twin-arm	left	7800	TMFC775Y
	2	1		1	Twin-arm	left	6400	TMFC775W
	2	2			Twin-arm	right	6600	TMFC7755R
	2	2	14-pole		Twin-arm	right	6900	TMFC7755QR
	2	1	7-pole		Twin-arm	right	7800	TMFC775YR
	2	1		1	Twin-arm	right	6400	TMFC775WR
Single Lever, fixed Locking Lever, Locking Button right Side	2	2			left	left	6300	TMFC7755A
	2	2	14-pole		left	left	6600	TMFC7755QA
	2	1	7-pole		left	left	7500	TMFC775YA
	2	1		1	left	left	6100	TMFC775WA
	2	2			right	right	6300	TMFC7755AAR
	2	2	14-pole		right	right	6600	TMFC7755QAAR
	2	1	7-pole		right	right	7500	TMFC775YAAR
		1		1	right	right	6100	TMFC775WAAR
Single Lever, detachable  Locking Lever, Locking Button right Side	2	2			left	left	6400	TMFC7755B
	2	2	14-pole		left	left	6900	TMFC7755QB
	2	1	7-pole		left	left	7600	TMFC775YB
	2	1		1	left	left	6200	TMFC775WB
	2	2			right	right	6400	TMFC7755BBR
	2	2	14-pole		right	right	6900	TMFC7755QBBR
	2	1	7-pole		right	right	7600	TMFC775YBBR
		1		1	right	right	6200	TMFC775WBBR
	Protective cap and assembly screws are included in the delivery.							

Plug Plate with Support Plate (3/4" + 1/2") — C-Line Standard

	Plug 3/4"	Plug 1/2"	Electrical Connection (1 pc.)	Blank Plug 1/2"	Locking Lever Pos.	Locking Button	Weight gr.	Part Number
	2	2					5600	TMMC7755
	2	2	14-pole				5700	TMMC7755Q
	2	1	7-pole				5900	TMMC775Y
	2	1		1			5100	TMMC775W
	Assembly screws and support plate are included in the delivery.							

⚠ Please consider our security advices on the pages 14/15 ⚠

Coupling Plate with Protective Cap (3/4" + 1/2" + 3/8") — C-Line Standard

Coupling 3/4"	Coupling 1/2"	Coupling 3/8"	Electrical Connec. (1 pc.)	Blank Plug 1/2"	Locking Lever Pos.	Locking Button	Weight gr.	Part Number
Twin-arm Lever Locking Lever, Locking Button left Side								
2	1	1			Twin-arm	left	6600	TMFC7753
2	1	1	14-pole		Twin-arm	left	6900	TMFC7753Q
2		1	7-pole		Twin-arm	left	7800	TMFC77Y3
2		1		1	Twin-arm	left	6400	TMFC77W3
2	1	1			Twin-arm	right	6600	TMFC7753R
2	1	1	14-pole		Twin-arm	right	6900	TMFC7753QR
2		1	7-pole		Twin-arm	right	7800	TMFC77Y3R
2		1			Twin-arm	right	6400	TMFC77W3R
Single Lever, fixed Locking Lever, Locking Button right Side								
2	1	1			left	left	6300	TMFC7753A
2	1	1	14-pole		left	left	6600	TMFC7753QA
2		1	7-pole		left	left	7400	TMFC77Y3 A
2		1		1	left	left	6100	TMFC77W3A
2	1	1			right	right	6300	TMFC7753AAR
2	1	1	14-pole		right	right	6600	TMFC7753QAAR
2		1	7-pole		right	right	7400	TMFC77Y3AAR
2		1		1	right	right	6100	TMFC77W3AAR
Single Lever, detachable Locking Lever, Locking Button right Side								
2	1	1			left	left	6400	TMFC7753B
2	1	1	14-pole		left	left	6700	TMFC7753QB
2		1	7-pole		left	left	7600	TMFC77Y3B
2		1		1	left	left	6200	TMFC77W3B
2	1	1			right	right	6400	TMFC7753BBR
2	1	1	14-pole		right	right	6700	TMFC7753QBBR
2		1	7-pole		right	right	7600	TMFC77Y3BBR
2		1		1	right	right	6200	TMFC77W3BBR
Protective cap and assembly screws are included in the delivery.								

Plug Plate with Support Plate (3/4" + 1/2" + 3/8") — C-Line Standard

Plug 3/4"	Plug 1/2"	Plug 3/8"	Electrical Connec. (1 pc.)	Blank Plug 1/2"	Locking Lever Pos.	Locking Button	Weight gr.	Part Number
2	1	1					5300	TMMC7753
2	1	1	14-pole				5400	TMMC7753Q
2		1	7-pole				5700	TMMC77Y3
2		1		1			4800	TMMC77W3
Assembly screws and support plate are included in the delivery.								

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Part number structure — Multi-Line

Type of Plate
F = Female plate
M = Male plate
P = Support plate
D = Protective Cap, metal

Connections & Dimensions
3 = 3/8"
5 = 1/2"
7 = 3/4"
U = Blank plug 3/8"
W = Blank plug 1/2"
T = Blank plug 3/4"
Y = Electrical connection 7-pole

Q = Electrical connection 14-pole

TM F C 5533 R

Parker Tema Multi-Line

Series
C = C-Line (Mobile hydraulics)

Type of Lever & Locking
= Twin-arm lever, Locking button left side
R = Twin-arm lever, Locking button right side
A = Single-arm lever fixed, left side, Locking button left side
AAR = Single-arm lever fixed, right side, Locking button right side
B = Single-arm lever detachable, left side, Locking button left side
BBR = Single-arm lever

⚠ Please consider our security advices on the pages 14/15 ⚠

Multi-Line

C-Line Accessories

Support Plate for Plug Plate — C-Line

	Suitable Plug Plates with Part Number	Version	Weight gr.	Part number
	TMMC33Y	C-Line Compact	1100	TMPC555
	TMMC33W			
	TMMC55Y			
	TMMC55W			
	TMMC55	C-Line Compact	1500	TMPC77
	TMMC77			
	TMMC55Q	C-Line Compact	1600	TMPC77Q
	TMMC77Q			
	TMMC3333	C-Line Standard	1100	TMPC3333
	TMMC3333Q	C-Line Standard	1200	TMPC3333Q
	TMMC5533	C-Line Standard	1500	TMPC5533
	TMMC5Y33			
	TMMC5W33			

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Support Plate for Plug Plate — C-Line

	Suitable Plug Plates with Part Number	Version	Weight gr.	Part number
	TMMC5533Q	C-Line Standard	1600	TMPC5533Q
	TMMC5555	C-Line Standard	1500	TMPC5555
	TMMC555Y			
	TMMC555W			
	TMMC5555Q	C-Line Standard	1600	TMPC5555Q
	TMMC7755	C-Line Standard	1500	TMPC7755
	TMMC775Y			
	TMMC775W			
	TMMC7755Q	C-Line Standard	1600	TMPC7755Q
	TMMC7753	C-Line Standard	1500	TMPC7753
	TMMC77Y3			
	TMMC77W3			
	TMMC7753Q	C-Line Standard	1600	TMPC7753Q

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Protective Caps/Lids — C-Line

	Description	Weight gr.	Part number
	C-Line Compact	400	TMDC1C-SP
	C-Line Standard	600	TMDC2-SP
	C-Line Standard 4 x 3/8"	400	TMDC1-SP
	C-Line Standard 4 x 3/8" incl. 14-pole electrical plug	500	TMDC1Q-SP
	C-Line Standard incl. 14-pole electrical plug for TMFC7753Q for TMFC7755Q	700 700 700	TMDC2Q-SP TMDC2Q7753-SP TMDC2Q7755-SP
	C-Line Compact 2 x 3/4" or C-Line Compact 2 x 1/2"	500	TMDC3-SP
	C-Line Compact 2 x 3/4" or C-Line Compact 2 x 1/2" incl. 14-pole electrical plug	500	TMDC3Q-SP

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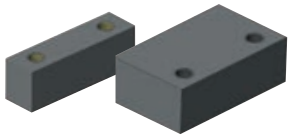
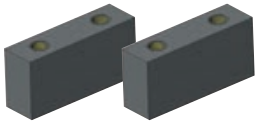
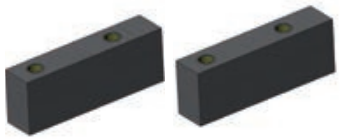
Welding Plate — C-Line

	Description	Weight gr.	Part Number
	Universal welding plate for coupling plate C-Line compact design incl. two welding brackets and assembly screws for the coupling plate.	200	TM-210K
	Universal welding plate for support plate C-Line Standard 4 x 3/8" incl. two welding brackets and assembly screws for the support plate.	300	TM-210K2
	Universal welding plate for support plate C-Line Compact design incl. two welding brackets and assembly screws for the support plate.	300	TM-214K
	Universal installation kit comprising two welding plates for C-Line 2 x 1/2" + 2 x 3/4" incl. associated screws for the C-Line Compact coupling plates.	300	TM-258K

⚠ Please consider our security advices on the pages 14/15 ⚠

Other Accessories — C-Line

	Description	Weight gr.	Part Number
	Detachable handle - universal	250	TM-220-SP
	Detachable handle (4 x 3/8")	200	TM-242-SP
	Blank plug 3/8" for coupling plates on page 85, 90	30	MF3810P6-PLUGG
	Blank plug 3/8" for coupling plates on page 93	30	MF3810P7-PLUGG
	Blank plug 3/8" for plug plates	30	MF3821-PLUGG
	Blank plug 1/2" for coupling plates on page 85, 90, 91	40	MF5010P6-PLUGG
	Blank plug 1/2" for coupling plates on page 92, 93	50	MF5010P7-PLUGG
	Blank plug 1/2" for plug plates	40	MF5021-PLUGG
	Blank plug 3/4" for coupling plates on page 87, 92, 93	20	DUT-466579
	Blank plug 3/4" for plug plates	20	DUT-466579

Electrical Contact — C-Line

	Description	Weight gr.	Part Number
Plug	Electrical plug, short, 7-pole, incl. 5 m cable and installation kit	1900	TMEM2-P6-SP
	for coupling plate.		
	Electrical plug, long, 7-pole, incl. 5 m cable and installation kit	1900	TMEM2-P7-SP
	for coupling plate.		
Closure	Electrical closure, 7-pole, incl. 3 m cable and installation kit	1200	TMEF2-SP
	for plug plate.		
	Electrical plug, short, 7-pole, without cable, incl. installation kit	100	TMEM2-P6-00
	for coupling plate.		
	Electrical plug, long, 7-pole, without cable, incl. installation kit	200	TMEM2-P7-00
	for coupling plate.		
	Electrical closure, 7-pole, without cable, incl. installation kit	100	TMEF2-00
	for plug plate.		

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Electrical Contact — C-Line

	Description	Weight gr.	Part Number
	Electrical closure, 14-pole, without cable, incl. installation kit for coupling plate.	300	STA 1410
	Electrical plug, 14-pole, without cable, incl. installation kit for plug plate.	300	STA 1420
	Electrical protective cap with installation kit for plug plate.	100	STA 1415
	Electrical protective cap with installation kit for support plate.	100	STA 1425

Complete Electrical Set — C-Line

	Description	Weight gr.	Part Number
	Complete electrical set, 14-pole, for retrofitting TMFC3333 and TMMC3333, incl. protective cap TMDC1Q	1300	STA 14-K1
	Complete electrical set, 14-pole, for retrofitting TMFC 5533, TMMC 5533 and TMFC5555, TMMC5555, incl. protective cap TMDC2Q.	1300	STA 14-K21
	Complete electrical set, 14-pole, for retrofitting TMFC7755 and TMMC7755, incl. protective cap TMDC2W7755.	1300	STA 14-K22
	Complete electrical set, 14-pole, for retrofitting TMFC 7753 and TMMC7753, incl. protective cap TMDC2Q7753.	1300	STA 14-K23
	Complete electrical set, 14-pole, for retrofitting TMFC 55…, TMMC 55 and TMFC77…, TMMC77, incl. Protective cap TMDC3Q.	1300	STA 14-K3

Electrical Cable for 14-pole Electrical Contact — C-Line

	Description	Weight gr.	Part Number
	Electrical cable for 14-pole electrical contact, 18 x 0,75 mm², PUR TMPU, running meter.	200	CAB18x075
	Electrical cable for 14-pole electrical contact, 18 x 1,5 mm², PUR TMPU, running meter.	400	CAB18x150

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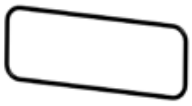
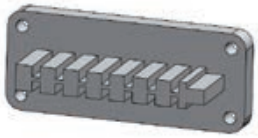
Spare Parts Male Coupling Plate — C-Line

	Description	Weight gr.	Part Number
	Plug 3/8"	300	MF3821-SP
	Plug 1/2"	500	MF5021-SP
	Plug 3/4"	800	MF7521-SP
	Seal kit for MF3821 (3/8")	1	MF3800-PSPU
	Seal kit for MF5021 (1/2")	2	MF5000-PSPU
	Seal kit for MF7521 (3/4")	2	MF7500-PSPU
	Guiding pin with nut	80	TM-101-SP
	O-Ring outer C-Line Standard and Compact with 2 ports	5	TM-133-SP
	O-Ring outer C-Line Compact with 3 ports	5	TM-204-SP
	O-Ring outer C-Line Standard 4 x 3/8"	2	TM-230-SP
	Rubber loop for support plate. 2 rubber loops with washer and screw.	50	TM-158-SP
	Electrical plug, 14-pole	30	STA14F-SP

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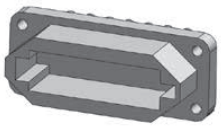
Spare Parts Female Coupling Plate — C-Line

	Description	Weight gr.	Part Number
	Coupling 3/8"	200	MF3810-SP
	Coupling 1/2"	200	MF5010-SP
	Coupling 3/4"	600	MF7510-SP
	Coupling 3/8" long; all versions with 3/4"	200	MF3810 P7-SP
	Coupling 1/2" long; all versions with 3/4" and C-line Compact 1/2" up to 3/4"	300	MF5010 P7-SP
	Locking Device	30	TM-219-SP
	Locking Device 4 x 3/8"	30	TM-231-SP
	Locking Button	30	TM-103-SP
	Lever socket	290	TM-261-SP
	Electrical closure, 14-pole	40	STA14S-SP
	Pressure screw	50	GN615KSNM8-SP
	Smalley ring	10	SW13R-SP
	Bushing	5	TM-187-SP

⚠ Please consider our security advices on the pages 14/15 ⚠

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Parker Profile

Body Size
1/4" and 3/8"

700 bar
3000-Series

Technical Description
High pressure coupler up to 700 bar. Screw locking mechanism.

Advantages
- Screw type locking mechanism - high resistance to mechanical and hydraulic strengths.
- Ball or poppet valving configurations can be connected together with reduced impact on the flow capacities.

Applications
- Portable hydraulic rams
- Hydraulic jacks, rams and clamping devices
- Clamping hand tools
- Rescue equipment

Working Temperature
-30°C up to +110°C (NBR)
-30°C up to +80°C (Polyurethane)
depending on the medium.
Special seals are available on request (see page 6).

Working Pressure

Body Size	Max. Operating Pressure Connected
1/4"	700 bar
3/8"	700 bar

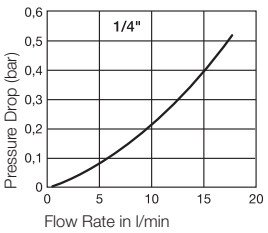
Material Coupling	Standard
Coupling Body	Steel
Sleeve	Steel
Valve	Steel
Springs	Steel
Seals 1/4"	NBR
Seals 3/8"	Polyurethane
Thread Body	Steel

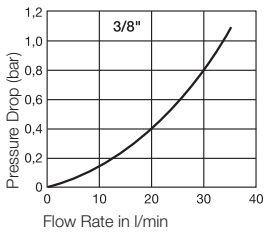
Material Plug	Standard
Plug Body	Steel
Valve	Steel
Seals 1/4"	NBR
Seals 3/8"	Polyurethane
Seals	NBR
Valve Holder	Steel

Stainless steel version with BSPP thread available on request.

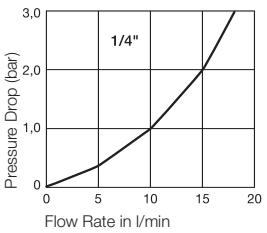
Flow Capacity with Oil with Viscosity of 43cSt at 38°C as per ISO 7241/2-2000

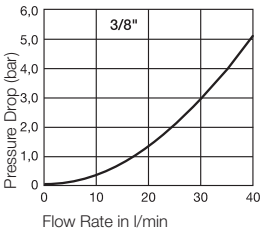
Ball Valving





Poppet Valving





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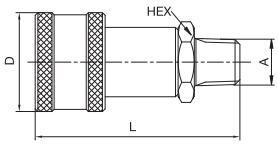
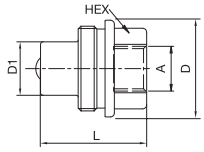
Couplings 3000-Series



Male NPTF Thread

Body Size	Connec-tion A	Hex	L mm	D mm	D1 mm	Valving	Weight gr.	Part Number
1/4"	1/4"	22 mm	60,5	28,5		Ball	115	3050-2
1/4"	1/4"	22 mm	60,5	29		Poppet	121	3050-2P
3/8"	3/8"	24 mm	72	35		Ball	220	3050-3
3/8"	3/8"	1"	73	35		Poppet	225	3050-3P

Plugs 3000-Series



Female NPTF Thread

Body Size	Connec-tion A	Hex mm	L mm	D mm	D1 mm	Valving	Weight gr.	Part Number
1/4"	1/4"	19	32	28	15,8	Ball	70	3010-2
1/4"	1/4"	27	32	31	15,8	Poppet	85	3010-2P
3/8"	3/8"	32	38	35	19,0	Ball	115	3010-3
3/8"	3/8"	32	35	36,8	19,0	Poppet	110	3010-3P

Dust Protection 3000-Series

Body Size	Version	Part Number
1/4"	for coupling	3005-2
3/8"	for coupling	3005-3
1/4"	for plug	3009-2
3/8"	for plug	3009-3

Seal-Kit 3000-Series

Body Size	Material	Part Number
1/4"	NBR	JT020114N0552
3/8"	Polyurethane	JT01U28-18.72QE

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800 bar

TEMA Tema Profile

Body Size

1/4"

800 bar

FF2500-Series

High Pressure

Technical Description
The coupling system of the FF series has double shut-off, dry break and single-handed operation. During uncoupling there is no oil loss, and during coupling there is no inclusion of air into the system.

Advantages
- Dry break quick connect coupling with minimum pressure drop.
- Single-handed operation.
- No oil loss during uncoupling.
- A safety closing ring prevents unintentional disconnection.
- Twice as safe through double sealing.
- Also available with pressure eliminator, i.e. connection is possible under static/residual pressure up to working pressure.

Working Pressure
See charts.

Working Temperature
-30°C up to +100°C (NBR) depending on the medium. Special seals are available on request (see page 6).

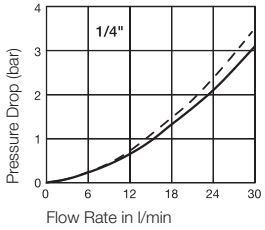
Available Valves

Applications Area

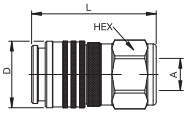
Material Coupling	Standard / Pressure Eliminator
Coupling Body	Steel, nitrocarburizing
Sleeve	Steel hardened, zinc plated, passivated, sealed
Looking Ring	Brass, Zinc-iron coated, black passivated, sealed
Valve	Steel, zinc plated, passivated, sealed
Springs	AISI 301
Locking Balls	AISI 420 C
Seals	NBR/PUR
Valve Holder	Steel, yellow zinc plated, sealed
Thread Body	Steel, zinc plated, passivated, sealed

Material Plug	Standard / Pressure Eliminator
Plug Body	Steel hardened, zinc plated, passivated, sealed
Valve	Steel, nitrocarburizing
Springs	AISI 301
Seals	NBR/PUR
Valve Holder	Brass, hard-drawn
Thread Body	Steel, zinc plated, passivated, sealed

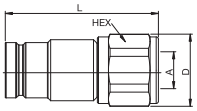
Flow Capacity with Oil with Viscosity of 32cSt at 40°C as per ISO 7241/2-2000



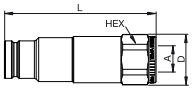
Couplings FF2500-Series

	Body Size	Connec-tion A	Hex mm	L mm	D mm	Working Press. connect. in bar	Version	Seal	Part Number
 Female Thread	1/4"	G 1/4	27	65	30	800	Standard	NBR/PUR	FF2510

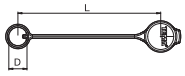
Plugs FF2500-Series

	Body Size	Connec-tion A	Hex mm	L mm	D mm	Working Press. connect. in bar	Version	Seal	Part Number
 Female Thread	1/4"	G 1/4	25	74	28	800	Standard	NBR/PUR	FF2520

Plugs FF2500-Series

	Body Size	Connec-tion A	Hex mm	L mm	D mm	Working Press. connect. in bar	Version	Seal	Part Number
 Female Thread	1/4"	G 1/4	25	99,2	28	800	Press. Eliminator	NBR/PUR	FF2521

Dust Protection FF2500-Series

	Body Size	Version	L mm	D mm	Material	Color	Part Number
	1/4"	for coupling	190	24	PVC	Blue	FF2516
	1/4"	for plug	190	24	PVC	Blue	FF2526

Seal-Kit FF2500-Series

	Body Size	Version	Material	Part Number
	1/4"	for plugs	NBR	FF2500-PSNPU

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TEMA Tema Profile

Body Size

1/4"

1000 bar

HP1000-Series

Technical Description
The Tema high pressure coupling was specially developed for use in industrial machinery, salvage devices and testing equipment. This series is galvanised and produced in steel. The plug part and the sleeve are hardened and galvanised in steel. The coupling can be supplied either with or without safety lock.

Advantages
- High flow as a result of optimised valve design.
- Additional plug sealing via polymer valve casing, to guarantee high reliability seals even with second-hand plugs.
- Tema high pressure couplings are supplied with dust caps inclusive!

Seals
Coupling: bonded seal washer
Plug: bonded seal or innercone

Working Pressure
1000 bar

Working Temperature
-30°C up to +100°C (NBR) depending on the medium. Special seals are available on request (see page 6).

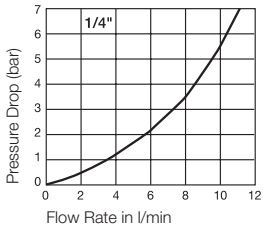
Available Valves

Applications Area

Material Coupling	Standard
Coupling Body	Steel, zinc plated, passivated, sealed
Sleeve	Steel, hardened, zinc plated, passivated, sealed
Valve	Steel, zinc plated, passivated, sealed
Springs	AISI 302
Locking Balls	AISI 420 C
Seals	NBR
Inner Sleeve	POM

Plug	Standard
Plug Body	Steel, hardened, zinc plated, passivated, sealed
Valve	Steel, zinc plated, passivated, sealed
Springs	AISI 302
Seals	NBR
Valve Retainer	Steel, zinc plated, passivated

Flow Capacity with Oil with Viscosity of 32cSt at 40°C as per ISO 7241/2-2000



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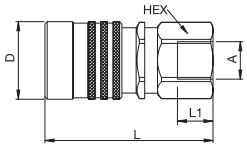
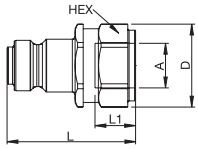
Couplings — HP1000-Series



Female Thread

Connection A	Hex mm	L mm	L1 mm	D mm	Safety Locking	Work. Pressure connect. in bar	Work. Pressure disconnect. in bar	Burst. Pressure connect. in bar	Part Number
G 1/4	24	59	12	27	without	1000	1000	>3000	HP1010 4131
G 1/4	24	59	12	27	with	1000	1000	>3000	HP1010 4132
1/4"-18 NPTF	24	59	12	27	without	1000	1000	>3000	HP1010 5131
1/4"-18 NPTF	24	59	12	27	with	1000	1000	>3000	HP1010 5132
G 3/8	24	59	12	27	without	1000	1000	>3000	HP1010 4171
G 3/8	24	59	12	27	with	1000	1000	>3000	HP1010 4172
3/8"-18 NPTF	24	59	13	27	without	1000	1000	>3000	HP1010 5171
3/8"-18 NPTF	24	59	13	27	with	1000	1000	>3000	HP1010 5172

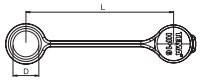
Plugs — HP1000-Series

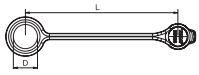


Female Thread

Connection A	Hex mm	L mm	L1 mm	D mm	Safety Locking	Work. Pressure connect. in bar	Work. Pressure disconnect. in bar	Burst. Pressure connect. in bar	Part Number
G 1/4	22	37	12	24,5		1000	1000	>3000	HP1020 413
1/4"-18 NPTF	22	37	12	24,5		1000	1000	>3000	HP1020 513
G 3/8	24	37	12	24,5		1000	1000	>3000	HP1020 417
3/8"-18 NPTF	24	37	13	24,5		1000	1000	>3000	HP1020 517

Dust Protection — HP1000-Series





Version	L mm	D mm	Material	Color	Part Number
for coupling	120	21	PVC	Blue	HP16
for coupling	125		Aluminium	Red	HP16ARD
for plug	120	19	PVC	Blue	HP26
for plug	140		Aluminium	Red	HP26ARD

⚠ Please consider our security advices on the pages 14/15 ⚠

TEMA
Tema Profile

Body Size

1/4"

1500 bar

HP1500-Series

Technical Description
The Tema high pressure coupling was specially developed for use in bolt tensioning equipment. This series is produced in steel. The plug bodies and the sleeves are black galvanised. The coupling can be supplied either with or without additional safety lock.

Advantages
- High flow as a result of optimised valve design.
- Additional plug sealing via polymer valve casing, to guarantee high reliability seals even with second-hand plugs.
- Tema high pressure couplings are supplied with dust caps inclusive!

Seals
Metal sealing cone threaded adapters/metal sealing cone adapters.

Working Pressure
1500 bar

Working Temperature
-30°C up to +100°C (NBR) depending on the medium. Special seals are available on request (see page 6).

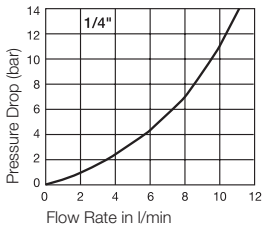
Available Valves

Applications Area

Material Coupling	Standard
Coupling Body	Steel, zinc-nickel coated, black passivated, sealed
Sleeve	Steel, hardened, zinc-iron coated, black passivated, sealed
Valve	Steel, zinc plated, passivated, sealed
Springs	AISI 302
Locking Balls	AISI 420 C
Seals	NBR
Inner Sleeve	POM

Plug	Standard
Plug Body	Steel, hardened, zinc-iron coated, black passivated, sealed
Valve	Steel, zinc plated, passivated, sealed
Springs	AISI 302
Seals	NBR
Valve Retainer	Steel, zinc plated, passivated

Flow Capacity with Oil with Viscosity of 32cSt at 40°C as per ISO 7241/2-2000



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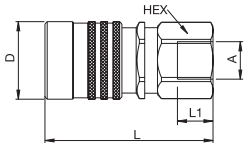
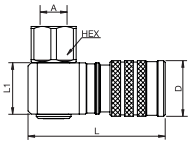
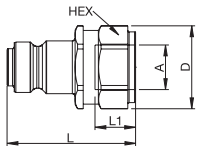
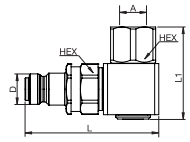
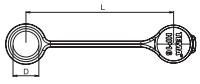
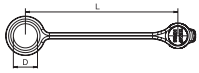
Couplings — HP1500-Series

	Connec-tion A	Hex mm	L mm	L1 mm	D mm	Safety Locking	Work. Pressure connect. in bar	Work. Pressure disconnect. in bar	Burst. Pressure connect. in bar	Part Number
	G 1/4	24	59	12	27	without	1500	1500	>3500	HP1510 4131
	G 1/4	24	59	12	27	with	1500	1500	>3500	HP1510 4132
	1/4"-18 NPTF	24	59	12	27	without	1500	1500	>3500	HP1510 5131
	1/4"-18 NPTF	24	59	12	27	with	1500	1500	>3500	HP1510 5132
	G 3/8	24	59	12	27	without	1500	1500	>3500	HP1510 4171
	G 3/8	24	59	12	27	with	1500	1500	>3500	HP1510 4172
Female Thread	3/8"-18 NPTF	24	59	13	27	without	1500	1500	>3500	HP1510 5171
	3/8"-18 NPTF	24	59	13	27	with	1500	1500	>3500	HP1510 5172
	G 1/4	22	67	45	27,2	with	1500	1500	>3500	HP1510 4131S90
Female Thread 90°										

Plugs — HP1500-Series

	Connec-tion A	Hex mm	L mm	L1 mm	D mm	Safety Locking	Work. Pressure connect. in bar	Work. Pressure disconnect. in bar	Burst. Pressure connect. in bar	Part Number
	G 1/4	22	38	12	24,5		1500	1500	>3500	HP1520 413
	1/4"-18 NPTF	22	38	12	24,5		1500	1500	>3500	HP1520 513
Female Thread										
	G 1/4	22	65	45	14,9		1500	1500	>3500	HP1520 413S90
Female Thread 90°										

Dust Protection — HP1500-Series

	Version	L mm	D mm	Material	Color	Part Number
	for coupling	120	21	PVC	Blue	HP16
	for coupling	125	21	Aluminium	Red	HP16ARD
	for plug	120	19	PVC	Blue	HP26
	for plug	140	19	Aluminium	Red	HP26ARD

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2500 bar

TEMA Tema Profile

Body Size

1/4"

2500 bar

HP2500-Series

High Pressure

Technical Description
The Tema high pressure coupling was specially developed for use in industrial machinery, salvage devices and testing equipment. The coupling can be supplied with or without safety lock.

Advantages
- High flow as a result of optimised valve design.
- Tema high pressure couplings are supplied with dust caps inclusive!
- Dry break – no oil loss during disconnection and no inclusion of air during connection.
- Plug can withstand static pressure disconnected up to full working pressure.

Working Pressure
2500 bar

Working Temperature
-30°C up to +100°C (NBR) depending on the medium. Special seals are available on request (see page 6).

Flow Capacity
4.5 l/min @ 4 bar dP

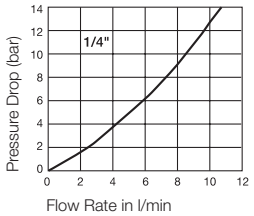
Available Valves

Applications Area

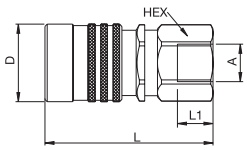
Material Coupling	Standard
Coupling Body	Steel, zinc plated, passivated, sealed
Back Body	Steel, zinc plated, passivated, sealed
Sleeve	Steel, hardened, zinc plated, passivated, sealed
Valve	Steel, zinc plated, passivated, sealed
Springs	AISI 302
Locking Balls	AISI 420 C
Seals	NBR
Inner Sleeve	POM

Plug	Standard
Plug Body	Steel, hardened, zinc-nickel plated, passivated, sealed
Valve	Steel, zinc plated, passivated, sealed
Springs	AISI 302
Seals	NBR
Valve Retainer	Steel, zinc plated, passivated

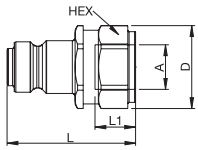
Flow Capacity with Oil with Viscosity of 32cSt at 40°C as per ISO 7241/2-2000



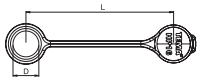
Couplings — HP2500-Series

	Connection A	Hex mm	L mm	L1 mm	D mm	Safety Locking	Work. Pressure connect. in bar	Work. Pressure disconnect. in bar	Burst. Pressure connect. in bar	Part Number
 Female Thread	G 1/4	24	64	12	30	without	2500	2500	>5000	HP2510 4131

Plugs — HP2500-Series

	Connection A	Hex mm	L mm	L1 mm	D mm	Safety Locking	Work. Pressure connect. in bar	Work. Pressure disconnect. in bar	Burst. Pressure connect. in bar	Part Number
 Female Thread	G 1/4	22	38	12	24,5		2500	2500	>5000	HP2520 413

Dust Protection — HP2500-Series

	Version	L mm	D mm	Material	Color	Part Number
	for coupling	120	21	PVC	Blue	HP161
	for plug	120	19	PVC	Blue	HP 26

⚠ Please consider our security advices on the pages 14/15 ⚠

Up to 2000 bar

Adapters HP-Series

Technical Description
Range of adapters developed for HP1000 and HP1500 series. To achive other thread ports then existing in the standard range.

Advantages
The adapters makes the HP series more flexible and easy to connect to different fittings and hose packages.

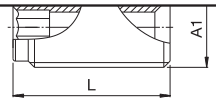
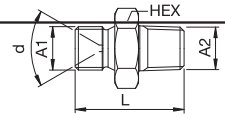
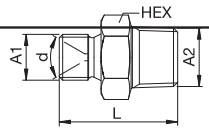
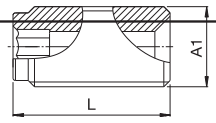
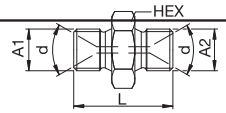
Seals
See chart.

Working Pressure
Various - from 1000 to 2000 bar

Working Temperature
-30°C up to +100°C

Material	Standard
Adapters	Steel, Zinc plated and passivated

High Pressure Adapters

	Connec-tion A1	Seal 1	Connection A2	Seal 2	Hex mm	L mm	Working Pressure bar	Part Number
	G 1/4	Rubber / Steel				25	1000	HP13-01
	G 1/4	Rubber / Steel	R 1/4	Inside Thread	21	33	1000	HP13-03
	G 1/4	Rubber / Steel	3/8-18 NPTF	Inside Thread	21	34	1500	HP13-04
	G 1/4	Rubber / Steel				25	1500	HP13-06
	G 1/4	Inner Cone 60°	G 1/4	Inner Cone 60°	21	31,3	2000	HP13-07

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1379 bar

Snap-tite
Snap-tite Profile

Body Size

1/4"

1379 bar

77-Series

High Pressure

Technical Description
Parker Snap-tite 77 series is designed for working pressures up to 1379 bar. Available in stainless steel.

Advantages
- Drybreak with minimal fluid loss
- Wide range of end fittings
- Dog-lock mechanism preventing ball brinnelling
- Internal sleevelock as safety feature

Applications
- Hydraulic test stands
- Hydrotesting
- Offshore drilling & Production

Working Pressure
See charts.

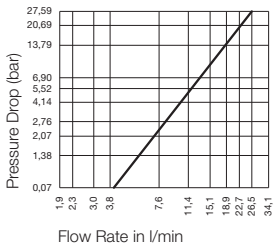
Working Temperature
-35°C up to +120°C (NBR)
-26°C up to +204°C (FKM)
-56°C up to +120°C (EPR)
depending on the medium.

77-Series is also available with FKM or EPR seal.
Add the suffix **V** for FKM and the suffix **E** for EPR to the part number, e.g. **S77C4-4FV.**

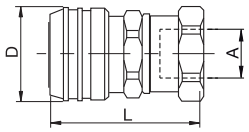
Material Coupling	**Stainless Steel**
Coupling Body	AISI 316 dual certified
Sleeve	AISI 316 dual certified
Back-up Ring	Delrin
Valve	AISI 316 controlled strength
Springs	17-7
Dog Locks	AISI 316
Seals	NBR
Valve Holder	AISI 316 controlled strength

Material Plug	**Stainless Steel**
Plug Body	AISI 316 controlled strength
Valve	AISI 316 controlled strength
Springs	17-7
Seals	NBR
Valve Holder	AISI 316 controlled strength

Flow Capacity with MIL-H-6083 Hydraulic Fluid at 32°C +/-1,5°C



Couplings — 77-Series Stainless Steel



Female Thread

Body Size	Connection A	L mm	D mm	Weight kg	Max. Operating Pressure in bar	Part Number
1/4"	1/4-18 NPTF	80,82	36,58	0,55	689	S77C4-4F
1/4"	9/16-18 UNF-2B	80,82	36,58	0,55	1379	S77C4-SF375CX
1/4"	13/16-16 UNF-2B	83,36	36,58	0,55	1379	S77C4-SF562CX
1/4"	9/16-18 UNF-2A	84,12	36,58	0,55	1379	S77C4-SM375CX
1/4"	13/16-16 UNF-2A	87,17	36,58	0,55	1379	S77C4-SM562CX
1/4"	9/16-18 UNF-2B	73,20	36,58	0,55	1379	S77C4-F250C
1/4"	9/16-18 UNF-2A	79,30	36,58	0,55	1379	S77C4-M250C
1/4"	3/4-16 UNF-2A	77,77	36,58	0,55	1379	S77C4-RH12
1/4"	1 1/8"-12 UNF-2A	90,22	36,58	0,55	1379	S77C4-M562C
1/4"	9/16-18 UNF-2A	74,47	36,58	0,55	1379	S77C4-RH9
1/4"	1-12 UNF-2A	81,58	36,58	0,55	1379	S77C4-RH16

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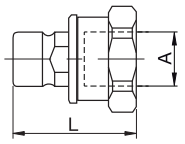
Plugs — 77-Series Stainless Steel



Female Thread

Body Size	Connection A	L mm	D mm	Weight kg	Max. Operating Pressure in bar	Part Number
1/4"	1/4-18 NPTF	63,20		0,20	689	S77N4-4F
1/4"	9/16-18 UNF-2B	63,20		0,20	1379	S77N4-SF375CX
1/4"	13/16-16 UNF-2B	65,74		0,20	1379	S77N4-SF562CX
1/4"	9/16-18 UNF-2A	66,50		0,20	1379	S77N4-SM375CX
1/4"	13/16-16 UNF-2A	69,55		0,20	1379	S77N4-SM562CX
1/4"	9/16-18 UNF-2B	55,58		0,20	1379	S77N4-F250C
1/4"	9/16-18 UNF-2A	61,68		0,20	1379	S77N4-M250C
1/4"	3/4-16 UNF-2A	60,15		0,20	1379	S77N4-RH12
1/4"	1 1/8"-12 UNF-2A	72,60		0,20	1379	S77N4-M562C
1/4"	9/16-18 UNF-2A	56,85		0,20	1379	S77N4-RH9
1/4"	1-12 UNF-2A	63,96		0,20	1379	S77N4-RH16

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3000 bar

Snap-tite
Snap-tite Profile

Body Size

1/4"

3000 bar

73-Series

High Pressure

Technical Description
Parker Snap-tite 73 series is designed for working pressures up to 3000 bar. Available in stainless steel.

Advantages
- Heavy duty construction for high pressures
- Positive locking collar to prevent accidental disconnection

Applications
- Waterjet
- Waterblast
- Oilfield injection
- High pressure test systems

Working Pressure
See charts.

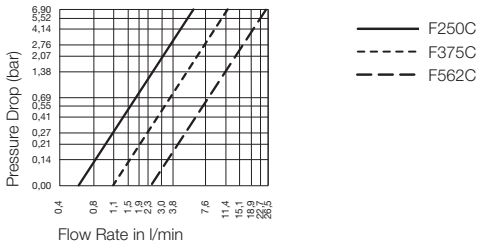
Working Temperature
-26°C up to +204°C (FKM)
-56°C up to +120°C (EPR)
depending on the medium.

73-Series is also available with EPR seal.
Add the suffix **E** for EPR to the part number, e.g. **SV73C4-4FE.**

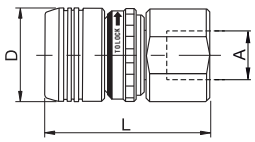
Material Coupling	Stainless Steel
Coupling Body	15-5 PH
Sleeve	15-5 PH
Back-up Ring	Nylon
Valve	AISI 316
Springs	AISI 302/ 17-7
Locking Balls	440 C
Seals	FKM
Valve Holder	AISI 316
Adaptor	15-5 PH

Plug	Stainless Steel
Plug Body	15-5 PH
Valve	AISI 316
Springs	AISI 302
Seals	Nylon
Valve Holder	AISI 316
Adaptor	15-5 PH

Flow Capacity with Water



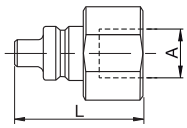
Couplings — 73-Series Stainless Steel



Female Thread

Body Size	Connection A	L mm	D mm	Weight kg	Max. Operating Pressure in bar	Part Number
1/4"	1/4-18 NPTF	86,36	38,10	0,60	689	SV73C4-4F
1/4"	9/16-18 UNF-2B	86,36	38,10	0,60	1379	SV73C4-SF375CX
1/4"	13/16-16 UNF-2B	88,90	38,10	0,60	1379	SV73C4-SF562CX
1/4"	9/16-18 UNF-2A	89,66	38,10	0,60	1379	SV73C4-SM375CX
1/4"	13/16-16 UNF-2A	92,71	38,10	0,60	1379	SV73C4-SM562CX
1/4"	9/16-18 UNF-2B	78,74	38,10	0,60	3000	SV73C4-F250C
1/4"	9/16-18 UNF-2A	84,84	38,10	0,60	3000	SV73C4-M250C
1/4"	3/4-16 UNF-2A	83,31	38,10	0,60	3000	SV73C4-RH12
1/4"	1-1/8"-12 UNF-2A	95,76	38,10	0,60	3000	SV73C4-M562C
1/4"	9/16-18 UNF-2A	80,01	38,10	0,60	3000	SV73C4-RH9
1/4"	1-12 UNF-2A	87,12	38,10	0,60	3000	SV73C4-RH16

Plugs — 73-Series Stainless Steel



Female Thread

Body Size	Connection A	L mm	D mm	Weight kg	Max. Operating Pressure in bar	Part Number
1/4"	1/4-18 NPTF	72,64		0,30	689	SV73N4-4F
1/4"	9/16-18 UNF-2B	72,64		0,30	1379	SV73N4-SF375CX
1/4"	13/16-16 UNF-2B	75,18		0,30	1379	SV73N4-SF562CX
1/4"	9/16-18 UNF-2A	75,94		0,30	1379	SV73N4-SM375CX
1/4"	13/16-16 UNF-2A	78,99		0,30	1379	SV73N4-SM562CX
1/4"	9/16-18 UNF-2B	65,02		0,30	3000	SV73N4-F250C
1/4"	9/16-18 UNF-2A	71,12		0,30	3000	SV73N4-M250C
1/4"	3/4-16 UNF-2A	69,59		0,30	3000	SV73N4-RH12
1/4"	1-1/8"-12 UNF-2A	82,04		0,30	3000	SV73N4-M562C
1/4"	9/16-18 UNF-2A	66,29		0,30	3000	SV73N4-RH9
1/4"	1-12 UNF-2A	73,40		0,30	3000	SV73N4-RH16

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Measuring-System

System 100

Nominal Diameter

1,2

Technical Description
The design of the Tema System 100 allows the check of static and dynamic pressures as well as vacuum. With the integrated self-venting device (as standard), it is easy to evacuate any inclusions. This guarantees an accurate display of the measured value, especially with dynamic pressures. The measuring plugs are available with various connection options. They have very small dimensions and can be fitted very easily to the equipment. Thanks to the design and choice of materials, the plugs are maintenance-free. The measuring device with the pressure gauge is fitted with a Tema quick connect coupling. This guarantees coupling to the measuring plugs in a matter of seconds. With the shut-off device in the plug and in the body of the coupling, the Tema System 100 allows a dry break, during coupling as well as during uncoupling. For measuring at a distance, a flexible extension cable is available; this can be coupled between the measuring plug and the measuring system. Thanks to its wide range of connections, the Tema System 100 is a versatile and flexible measuring system.

Maximum Working Pressure
Measuring plug 120: 400 bar
Other parts: 600 bar

Complete Hydraulic Set — System 100

The Tema System 100 Complete Set is delivered in a plastic case and contains the following parts:
1 piece measuring handle 101-2 and pressure gauge of your choice*
1 piece measuring plug 120
1 piece measuring cable 130, length 2,5 m, complete
1 piece adapter 135, G 1/4" i. x G 1/8" o.
1 piece adapter 136, G 1/8" i. x G 1/4" o.

In the measuring case there is additional room for two further pressure gauges as well as an adapter 139. If two pressure gauges are required, the part number is, for example, 107-08 (Complete Set with one pressure gauge 0-250 bar and one pressure gauge 0-400 bar).

* If measuring handle 101-21A is required instead of 101-2, this must be added to the order.

Description	Part Number
Complete set not including pressure gauge	101
Complete set with 1 pressure gauge -1 to +1,5 bar	104
Complete set with 1 pressure gauge 0 to +25 bar	112
Complete set with 1 pressure gauge 0 to +60 bar	114-QC
Complete set with 1 pressure gauge 0 to +250 bar	107-QC
Complete set with 1 pressure gauge 0 to +400 bar	108
Complete set with 1 pressure gauge 0 to +600 bar	109-QC

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System 100

Measuring Plugs

Technical Description
Thanks to their advanced design, the measuring plugs are reliable components in our measuring device. Made of hardened steel. The measuring plugs are maintenance free and are designed for temperatures from -40°C up to +110°C. The integrated valve seals up to a 90% vacuum. All mechanical parts in the measuring plug are made of corrosion resistant materials. Two different type of sealing (see picture on the right side). Available with two different types of covering cap.

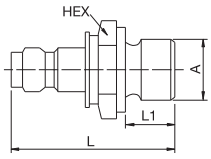
- Fully sealed
- Maintenance-free
- Metal-to-metal seal

A Type of seal

B Type of seal

Maximum Working Pressure
Measuring plug 120: 400 bar
Other parts: 600 bar

Measuring Plugs — System 100



Connection A	Description	Type of seal	L mm	L1 mm	HEX mm	Weight gr.	Part Number
G 1/8	with plastic cap	A	29	7,5	15	20	120
G 1/8	with metal cap	A	29	7,5	15	20	120-126
G 1/4	with plastic cap	A	36	11	18	35	121-125
G 1/4	with metal cap	A	36	11	18	35	121-126
G 1/4	with plastic cap	B	36	11	18	35	122-125
G 1/4	with metal cap	B	36	11	18	35	122-126
M 12 x 1,5	with plastic cap	A	36	11	18	35	123-125
M 12 x 1,5	with metal cap	A	36	11	18	35	123-126
M 10 x 1	with plastic cap	A	29	7,5	15	40	128-125
M 10 x 1	with metal cap	A	29	7,5	15	40	128-126

Measuring Plug Accessories — System 100

Description	Part Number
Plastic cap made of soft PVC	125-QC
Metal cap with O-ring seal. Quick-lock type coupling on plug.	126K
Extra safety. Up to 750 bar.	
Quick connect coupling for measuring plug with integrated	150
shut-off valve. Seal made of FKM. G 1/8 male thread.	
Adapter coupling female thread G 1/4"	150-137

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System 100

Pressure Gauge / Measuring Handle / Self-Venting Block

Pressure Gauge
- Filled with glycerine – suitable for temperatures to -40°C
- Special seal – quick change
- Measuring accuracy ± 1,6%
- Diameter 63 mm
- Pressure gauge connection G 1/4", male thread
- Scale with double graduation (MPa + bar)

Measuring Handle
Measuring handle 101-2 is used for low pressures up to max. 60 bar.

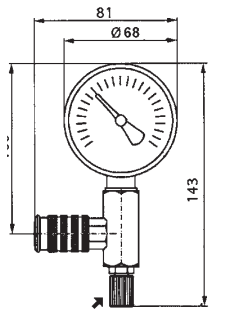
- System 100 – time-saving quick connect couplings
- Shut-off valve in coupling body and plug – dry break

Measuring handle 101-21A can be coupled even under full working pressure.

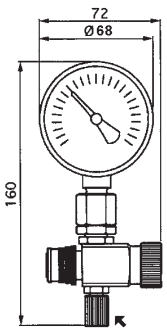
Self-Venting Block
In order to obtain exact measured values (particularly with dynamic pressure measurements), it is essential that there should be no air bubbles trapped between the measuring plug and the pressure gauge. This can be checked simply and effectively with the Tema 100 Measuring System, since the air bubbles can easily be removed. It is possible to vent the system at maximum working pressure by using the venting screw.

Pressure Gauge — System 100

Dimension Pressure gauge + measuring handle:



+ Measuring handle 101-2



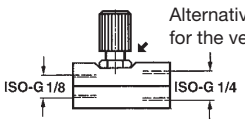
+ Measuring handle 101-21A

Description	Part Number
-1 to +1,5 bar	MAN 04
0 to +6 bar	MAN 15
0 to +25 bar	MAN 12
0 to +60 bar	MAN 14
0 to +250 bar	MAN 07
0 to +400 bar	MAN 08
0 to +600 bar	MAN 09
Rubber guard for pressure gauge	100-40

Measuring Handle / Self-Venting Block — System 100

Measuring handle

Measuring handle can be coupled under pressure



Alternative position for the venting screw

Description	Part Number
Measuring handle	101-2
Measuring handle can be coupled under pressure	101-21A
Self-venting block	101-3-QC

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System 100

High-Pressure Hoses

Technical Description
Tema high-pressure hose – produced for measurements and mini-hydraulic systems. Exact selection of materials and production under strict control contribute to the satisfaction and reliable safety of the product. Max. working pressure 630 bar.

Material
Inner and outer hose:
high-quality POLYAMIDE
Pressure carrier: KEVLAR

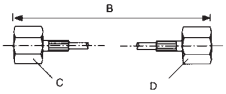
Caution: If the hoses are to be used for compressed air, this must be mentioned in the order.

Advantages
- Remains flexible, even under full working pressure, thanks to its small external dimensions and a suitable choice of materials.
- Resistant to all mineral and most synthetic oils
- Resistant to ageing
- No increase in volume (no differences in measurements)
- Temperature range from -40°C up to +100°C

In order to achieve optimal durability, the hoses can be strengthened with a spring at each end. Add-on code "F" after the itemnumber of each connection.

Ordering example for a complete high-pressure hose

	B	C	D
200K PA hose	1,6 Total-length m	210F G 1/8" Female thread + spring	240 Pressure gauge connect. G 1/4"



Pressures

Type	Work. Pressure	Burst Pressure	Inner Dimens.	Outer Dimens.
200K	630 bar	2000 bar	2,0 mm	4,9 mm

Temperature range from -40°C to +93°C.

Connections — System 100 High-Pressure Hoses

Caution! The hoses are produced in various lengths Please specify hose and/or total length incl. connecting fittings. Design subject to alterations.	Description	DN	Part Number
	G 1/8" female thread	2	210-QC
	G 1/8" male thread	2	220
	Pressure gauge connection G 1/4" female thread	2	240
	M 16 x 2,0 female thread for measuring plug		270

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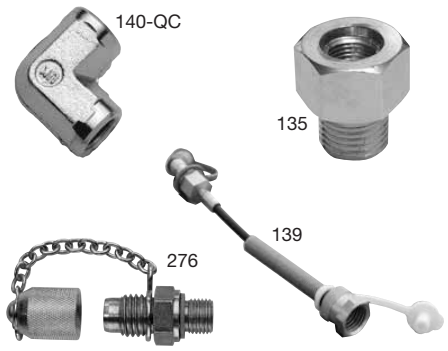
Measuring Cable — System 100

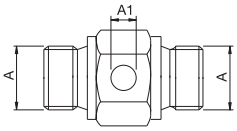
Measuring cables in other designs and lengths on request.

Description	Part Number
Measuring cable for coupling the measuring handle 101-2 to measuring plugs. Supplied as standard with measuring plug (120) and coupling (150): 2,5 m.	130

Accessories — System 100



Thread	Description	Part Number
G 1/4 i. x G 1/8 o.	Adapter (female x male)	135
G 1/8 i. x G 1/4 o.	Adapter (female x male)	136
G 1/8 i. x G 1/4 i.	Adapter (female x female)	137
M 16	Changeover adapter for measuring plug	139
G 1/8 i. x G 1/8 i.	Angle 90° (female x female)	140-QC
	Plastic case (without picture)	101-1
M 16 x 2 / G 1/4	Measuring plug	276
M 16 x 2 / G 3/8	Measuring plug	277



A: G 1/4; A1: G 1/8	Double plug with connecting thread for measuring plug	DNT2-1

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TEMA Tema Profile

Measuring-System

PJS Series

Technical Description
The PJ/PJS series was specially developed for hydraulic diagnosis. Using the PJS system, oil quality and oil pressure can be determined by extracting oil directly from the plug. The components are produced in steel, galvanised in the connection and conform to norm SAE J 1502.

The PJS plug can be used both to test the oil and to extract oil.

Advantages
The FlatFace design makes it easier to clean out dirt. Optimised oil intervals save time, labour and operating capital. The easy-grip, knurled locking sleeve makes coupling and uncoupling easy. Sampling also in working pressure circuits.

Working Pressure
See information below.

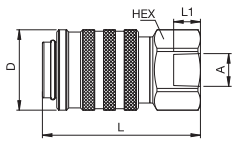
Working Temperature
-30°C up to +100°C (NBR)

Material Coupling	
Coupling Body	Steel, zinc plated, passivated, sealed
Sleeve	Steel, zinc plated, passivated, sealed
Valve	Steel/brass
Spring	AISI 301
Locking Balls	AISI 420 C
Seals	NBR

Material Plug	
Plug Body	Steel, zinc plated, passivated, sealed
Valve	Steel, zinc plated, passivated, sealed
Spring	AISI 301
Seals	NBR

Applications Area

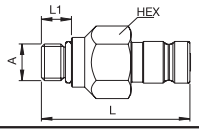
Couplings PJS-Series



Female Thread

Connection A	Description	HEX mm	L mm	L1 mm	D mm	Working Press. bar	Part Number
1/8"-27 NPT	for Diagnostic	24	53	8	27	415	SJ18FN
1/8"-27 NPT	for Fluid Sampling	24	53	8	27	415	SJS18FN
1/4"-18 NPT	for Diagnostic	24	53	12	27	415	SJ14FN
1/4"-18 NPT	for Fluid Sampling	24	53	12	27	415	SJS14FN

Plugs PJS-Series



Connection A	Description	HEX	L mm	L1 mm	D mm	Working Press. bar	Part Number
9/16"-18 UNF	for Diagnostic	11/16"	43	10		415	PJ916U
9/16"-18 UNF	for Diagnostic and Fluid Sampling	11/16"	43	10		415	PJS916U

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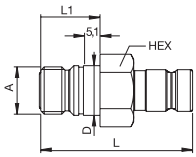
Plugs — PJS-Series

	Connection A	Description	HEX	L mm	L1 mm	D mm	Working Press. bar	Part Number
 Male Thread Bulkhead Mounting	9/16"-18 UNF	for Diagnostic	11/16"	46	18	15	415	PJ916FQ

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Parker Profile

Measuring-System

PD Series

Body Size
1/8"

Technical Description
Diagnostic couplings provide easily accessible test points for performance testing of hydraulic and pneumatic systems. Easily incorporated into original equipment or retrofitted to existing circuits, PD plugs meet or exceed SEA J 1502 and ISO 15171-1 design and performance specification.

Advantages
- Carbon steel for couplers. High tensile steel for plugs.
- For water applications also available in brass on request.
- Ball locking mechanism.
- Flush-faced poppet valve for a minimal air inclusion when connecting, minimal fluid loss during disconnection and for an easy cleaning.
- The sealing and locking groove are induction hardened to resist mechanical abuse and brinelling, whilst avoiding toughness.
- A safety sleeve lock prevents accidental disconnection.
- Push-to-connect operation allows single handed operation when connecting the coupling.

Applications
- Industrial equipment
- Mobile equipment
- Agricultural equipment

Working Pressure
max. 420 bar

Working Temperature
-40°C up to +110°C (NBR) depending on the medium. Special seals are available on request (see page 6).

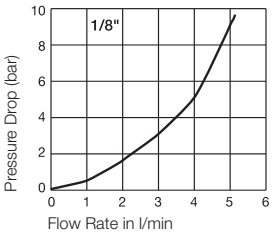
Material Coupling	
Body	Steel
Sleeve	Steel
Valve	Steel
Valve Sleeve	Steel
Springs	Steel
Seals	Nitrile
Back-up Rings	PTFE
Valve Body	Steel

Material Plug	
Body	Steel
Seals	Nitrile
Valve	Steel
Spring	Steel
Retainer	Steel

Options:
1. For some end configurations, test points are also available in brass and stainless steel AISI 316.
2. Other metric end configurations are available on request.
3. Possibility to have test point connectable under pressure up to 420 bar.

Please contact your Parker team.

Flow Capacity with Oil with Viscosity of 43cSt at 38°C as per ISO 7241/2-2000



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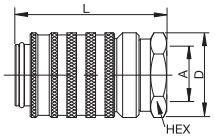
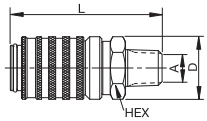
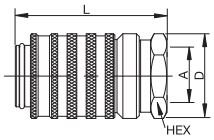
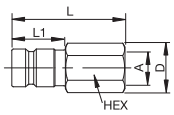
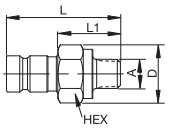
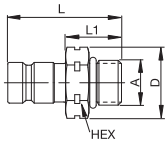
Couplings — PD-Series

	Body Size	Connec-tion A	Tube Size	Hex	L mm	L1 mm	D mm	Weight gr.	Part number
 Female NPTF Thread – SAE J 476	1/8"	1/8"-27		13/16"	42,4		24,4	90	PD222
	1/8"	1/4"-18		13/16"	53,8		24,4	113	PD242
 Male NPTF Thread – SAE J 476	1/8"	1/4"-18		13/16"	57,4		24,4	104	PD243
 Female UNF Thread – SAE J 1926	1/8"	9/16"-18		13/16"	53,8		24,4	109	PD260

Plugs — PD-Series

	Body Size	Connec-tion A	Tube Size	Hex	L mm	L1 mm	D mm	Weight gr.	Part number
 Female NPTF Thread – SAE J 476	1/8"	1/8"-27		9/16"	37,6	19,8	16,5	27	PD322
	1/8"	1/4"-18		3/4"	41,4	23,6	21,9	54	PD342
 Male NPTF Thread – SAE J 476	1/8"	1/8"-27		11/16"	39,4	21,6	20,1	77	PD323
	1/8"	1/4"-18		11/16"	37,6	19,8	20,1	27	PD343
	1/8"	3/8"-18		13/16"	38,1	20,3	23,8	40	PD363
 Male Metric Thread to ISO 6149	1/8"	M 14 x 1,5		17 mm	35,0	17,3	19,6	32	PD367-1A

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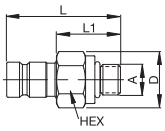
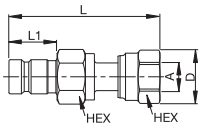
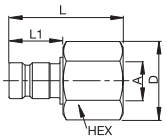
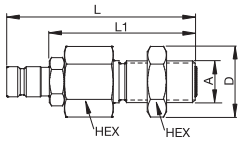
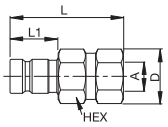
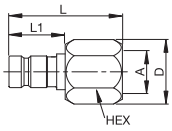
Plugs

	Body Size	Connec-tion A	Tube Size	Hex	L mm	L1 mm	D mm	Weight gr.	Part number
 Male UNF Thread - SAE 1926	1/8"	7/16"-20		11/16"	40,6	22,9	20,1	36	PD341
	1/8"	1/2"-20		5/8"	33,5	15,7	18,3	22	PD351 *
	1/8"	9/16"-18		11/16"	33,5	15,7	20,1	27	PD361 *
 O-Lok SAE J 1453 / ISO 8434-3	1/8"	9/16"-18	1/4" (6 mm)	11/16"	55,4	17,8	20,1	54	PD34BTL
	1/8"	1 1/16"-16	3/8" (10 mm)	13/16"	58,4	17,8	23,9	63	PD36BTL
 O-Lok SAE J 1453 / ISO 8434-3	1/8"	13/16"-16	1/2" (12 mm)	1 5/16"	28,4	17,8	38,4	58	PD38BTL *
 Bulkhead O-Lok SAE J 1453 / ISO 8434-3	1/8"	9/16"-18	1/4" (6 mm)	13/16"	75,7	57,9	23,8	86	PD346 *
 Triple-Lok SAE J 514 - ISO 8434-2	1/8"	9/16"-18	3/8" (10 mm)	11/16"	42,2	17,8	20,1	40	PD36BTX *
 Triple-Lok SAE J 514 - ISO 8434-2	1/8"	1 1/16"-12	3/4" (20 mm)	1 1/4"	35,3	17,8	36,5	122	PD312BTX

* Add 6 to part number to include the dust cap.

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Dust Protection — PD-Series

	Body Size	Version	Part number
	1/8"	for plug	PD6-285

Other materials (EPDM/FKM/HNBR) are available on request.

⚠ Please consider our security advices on the pages 14/15 ⚠

Swivel Joints

DG-Series

Technical Description
Can be used in hydraulic systems where rotating connections are essential, for example on accessories with rotating movements. Depending on design, the body is made of brass (DG) or steel (KR) and the rotating axis of surface-purified/stainless steel. Maximum rotation speed: 60 r.p.m.

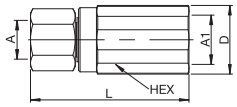
Advantages
- Rotating joints minimise the high wear to the hose, which occurs in hydraulic systems.
- Solid construction with two plain bearings (DG) or ball/roller bearings (KR).
- Suitable for combining with norm hydraulic components.

Working Temperature
-40°C up to +90°C (NBR) depending on the medium. Special seals are available on request (see page 6).

Material	Type DG	Type KR
Body	Brass	Steel, zinc plated, passivated, sealed
Counterpart		Steel, zinc plated, passivated, sealed
Swivel Axis	Steel, nitrated or Stainless Steel	Steel hardened, zinc plated, passiv., sealed
Nut/Adapter	Steel, zinc plated, passivated, sealed	Steel, zinc plated, passivated, sealed
Seals	NBR	NBR

Applications Area

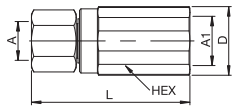
Type DG 250 DN 6 = 28 mm — DG-Series



Female Thread

Connection A	Connection A1	Hex mm	L mm	D mm	DN	Seal	Type	Working Pressure in bar	Part Number
G 1/4	G 3/8	22	53	23	6	NBR	1	250	250
G 1/4	G 3/8	22	53	23	6	NBR	1	250	250 RF *

Type DG 500 DN 11 = 95 mm — DG-Series



Female Thread

Connection A	Connection A1	Hex mm	L mm	D mm	DN	Seal	Type	Working Pressure in bar	Part Number
G 1/2	G 3/4	32	71	35	11	NBR	1	250	500
G 1/2	G 3/4	32	71	35	11	NBR	1	250	500 RF *

* Swivelling axis made of stainless steel.

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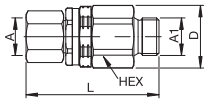
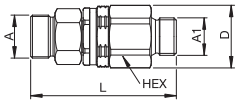
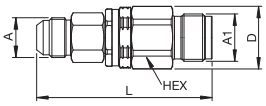
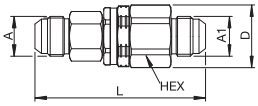
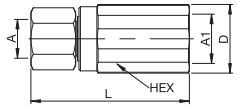
Type DG 500 DN 11 = 95 mm — DG-Series

	Connection A	Connection A1	Hex mm	L mm	D mm	DN	Seal	Type	Working Pressure in bar	Part Number
 Male / Female Thread	G 1/2	G 1/2	32	73	35	11	NBR	1A	250	500 B
 Male Thread	M 18 x 1,5	G 1/2	32	73	35	11	NBR	2	250	500 W
	M 22 x 1,5	G 1/2	32	81	35	11	NBR	2	250	500 W5
	M 24 x 1,5	G 1/2	32	81	35	11	NBR	2	250	500 W6
 Male Thread	7/8"-14 UNF	G 3/4	32	98	35	11	NBR	3	250	500-30
	7/8"-14 UNF	G 1/2	32	90,5	35	11	NBR	3	250	500-32 *
 Male Thread	7/8"-14 UNF	7/8"-14 UNF	32	92	35	11	NBR	3A	250	500-31
	11/16"-12 UNF	11/16"-12 UNF	32	101	35	11	NBR	3A	250	500-33

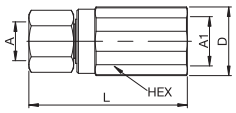
Type DG 750 DN 17 = 225 mm — DG-Series

	Connection A	Connection A1	Hex mm	L mm	D mm	DN	Seal	Type	Working Pressure in bar	Part Number
 Female Thread	G 3/4	G 1	40	80	35	17	NBR	1	250	750-QC
	G 3/4	G 1	40	80	35	17	NBR	1	250	750 RF *

* Swivelling axis made of stainless steel.

⚠ Please consider our security advices on the pages 14/15 ⚠

Type DG 1000 DN 22 = 380 mm — DG-Series

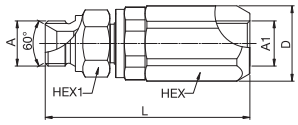


Female Thread

Connection A	Connection A1	Hex mm	L mm	D mm	DN	Seal	Type	Working Pressure in bar	Part Number
G 1	G 11/4	50	94	43	22	NBR	1	200	1000-QC
G 1	G 11/4	50	94	43	22	NBR	1	200	1000 RF *

* Swivelling axis made of stainless steel.

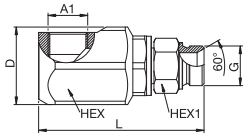
Type KR DN 6 = 28 mm up to DN 22 = 380 mm — KR-Series



Male / Female Thread

Connection A	Connection A1	Hex mm	Hex 1 mm	L mm	D mm	DN	Seal	Working Pressure in bar	Part Number
G 1/4	G 1/4	27	19	88	29	6	NBR	350	2KRAW13IW13
G 3/8	G 3/8	30	22	87	33	9	NBR	350	3KRAW17IW17
G 1/2	G 1/2	32	27	95	35	11	NBR	350	5KRAW21IW21
G 3/4	G 3/4	45	32	109	50	17	NBR	350	7KRAW26IW26
G 1	G 1	50	40	117	55	22	NBR	250	10KRAW33IW33

Type KR 90° DN 6 = 28 mm up to DN 22 = 380 mm — KR-Series



Male / Female Thread

Connection A	Connection A1	Hex mm	Hex 1 mm	L mm	D mm	DN	Seal	Working Pressure in bar	Part Number
G 1/4	G 1/4	32	19	93	35	6	NBR	350	2KRAW13IW1390
G 3/8	G 3/8	38	22	95	41	9	NBR	350	3KRAW17IW1790
G 1/2	G 1/2	41	27	108	45	11	NBR	350	5KRAW21IW2190
G 3/4	G 3/4	55	32	125	60	17	NBR	350	7KRAW26IW2690
G 1	G 1	65	40	139	72	22	NBR	250	10KRAW33IW3390

All KR swivel joints are only suitable for oil.

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Accessories

Pressure Relief Valve

Technical Description
Produced for hydraulic systems where in line quick connect couplings are used. The system pressure built up between the hydraulic unit and the coupling would not allow mechanical coupling.

Advantages
The Pressure Relief Valve can be mounted directly in the main inflow line so that all down-stream pipe or hose lines where quick connect couplings or plugs are installed at the ends can be depressurised.

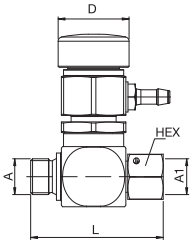
Working Pressure
max. 250 bar

Working Temperature
up to max. +90°C depending on the medium. Special seals are available on request (see page 6).

Material	Standard
T-Connection	Steel, zinc plated, passivated, sealed
Pressure Relief Valve	Brass
Seal	NBR

Applications Area

Pressure Relief Valve — Accessories



Female / Male Thread

Connection A	Connection A1	Hex mm	L mm	D mm	DN	Seal Type	Max. Working Pressure in bar	Part Number
G 3/8	G 3/8	21	62	33	10	NBR	250	TA38
G 1/2	G 1/2	25	70	33	13	NBR	250	TA50
G 3/4	G 3/4	32	73	33	20	NBR	250	TA75
G 1	G 1	38	77	33	25	NBR	250	TA100

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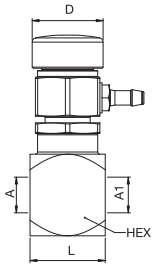
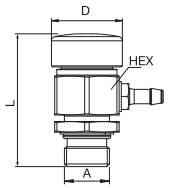
Pressure Relief Valve — Accessories

	Connection A	Connection A1	Hex mm	L mm	D mm	DN	Seal Type	Max. Working Pressure in bar	Part Number
 Female Thread	G 3/8	G 3/8	28	60	33	10	NBR	250	TA38 IW
	G 1/2	G 1/2	28	60	33	13	NBR	250	TA50 IW
 Pressure Relief Valve complete	G 1/2		30	62	33	6	NBR	250	515
	G 1/2		30	62	33	6	NBR/FKM	250	515 RV[1]

[1] Pressure Relief Valve made of stainless steel with FKM Seals.

⚠ Please consider our security advices on the pages 14/15 ⚠

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Accessories

DT-Series

Body Size

3/8" and 1 1/4"

Technical Description
Compact design, easy to plumb into tight circuits. Robust steel construction with various end fittings. The maximum operating pressure is 350 bar. Large range of end configurations. Zinc chromate exterior finish.

Advantages
- No internal gaskets or seals to wear out.
- The check valve body is shaped like an arrow to indicate flow direction.
- Heat treated poppet valve to resist damage from shocks and surges.
- One-piece body eliminates threads and seals that may be potential leak points.
- Compact design.
- Smooth flow stream: poppet spring is isolated from flow stream thus minimising turbulence.

Working Pressure
max. 350 bar

Working Temperature
-40°C up to +110°C (NBR) depending on the medium. Special seals are available on request (see page 6).

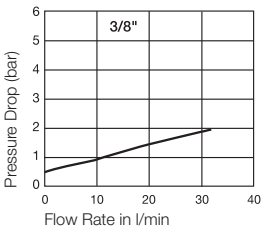
Material	Standard
Body	Steel
Valve	Steel
Spring	Steel
Seal	NBR
Retainer	Steel

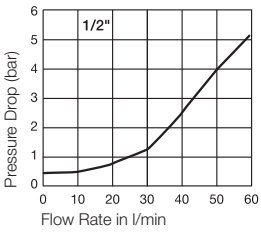
Standard Cracking Pressure:
0,35 bar

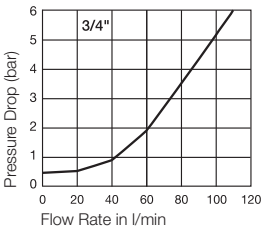
Other Options:
Cracking Pressure up to 14 bar in 0,35 bar increments are available on request. Please consult your Parker sales engineer.

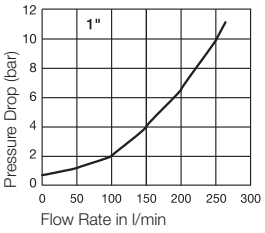
For other threads, other sizes or other end configurations, please contact your Parker sales team.

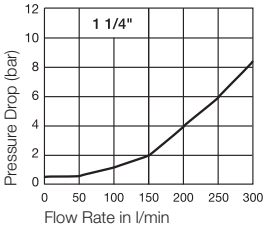
Flow Capacity with Oil with Viscosity of 43cSt at 38°C as per ISO 7241/2-2000











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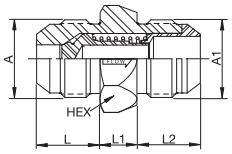
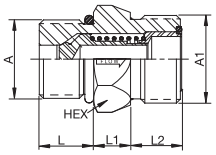
DT-MFMF: Male JIC 37° Flare Inlet to Male JIC 37° Flare Outlet — Accessories



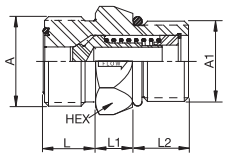
Body Size	Connection A SAE J514 Triple-Lok	Connection A1 SAE J514 Triple-Lok	Hex	L mm	L1 mm	L2 mm	Part Number
3/8"	9/16"-18 UNF	9/16"-18 UNF	3/4"	14,2	11,2	14,2	DT-370-MFMF-5
1/2"	3/4"-16 UNF	3/4"-16 UNF	7/8"	16,8	12,7	16,8	DT-500-MFMF-5
3/4"	1 1/16"-12 UN	1 1/16"-12 UNF	1 1/4"	21,8	12,7	21,8	DT-750-MFMF-5
1"	1 5/16"-12 UN	1 5/16"-12 UNF	1 1/2"	23,1	15,8	23,1	DT-1000-MFMF-5
1 1/4"	1 5/8"-12 UN	1 5/8"-12 UNF	1 7/8"	24,4	26,9	24,4	DT-1250-MFMF-5

DT-MOMS: Male ORB Inlet to Male O-Lok Outlet — Accessories



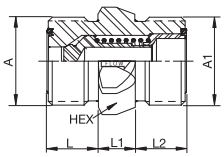
Body Size	Con. A – ISO 11926 – 2/3 Male O-Ring Boss	Connection A1 SAE J1453 O-Lok	Hex	L mm	L1 mm	L2 mm	Part Number
1/4"	7/16"-20 UNF	9/16"-18 UNF	5/8"	10,9	11,4	9,9	DT-250-MOMS-5
3/8"	9/16"-18 UNF	11/16"-16 UNF	3/4"	11,9	11,2	11,2	DT-370-MOMS-5
1/2"	3/4"-16 UNF	13/16"-16 UNF	7/8"	14,0	12,7	12,7	DT-500-MOMS-5
3/4"	1 1/16"-12 UNF	1 3/16"-12 UNF	1 1/4"	18,5	12,7	17,0	DT-750-MOMS-5
1"	1 5/16"-12 UNF	1 7/16"-12 UNF	1 1/2"	18,5	15,8	17,5	DT-1000-MOMS-5
1 1/4"	1 5/8"-12 UNF	1 11/16"-12 UNF	1 7/8"	18,5	26,9	17,5	DT-1250-MOMS-5
NBR O-Ring included on MO and MS fittings.							

DT-MSMO: Male O-Lok Inlet to Male ORB Outlet — Accessories



Body Size	Connection A SAE J1453 O-Lok	Con. A1 – ISO 11926 – 2/3 Male O-Ring Boss	Hex	L mm	L1 mm	L2 mm	Part Number
3/8"	11/16"-16 UNF	9/16"-18 UNF	3/4"	11,9	11,2	11,2	DT-370-MSMO-5
1/2"	13/16"-16 UNF	3/4"-16 UNF	7/8"	14,0	12,7	12,7	DT-500-MSMO-5
3/4"	1 3/16"-12 UNF	1 1/16"-12 UNF	1 1/4"	18,5	12,7	17,0	DT-750-MSMO-5
1"	1 7/16"-12 UNF	1 5/16"-12 UNF	1 1/2"	18,5	15,8	17,5	DT-1000-MSMO-5
1 1/4"	1 11/16"-12 UNF	1 5/8"-12 UNF	1 7/8"	18,5	26,9	17,5	DT-1250-MSMO-5
NBR O-Ring included on MO and MS fittings.							

DT-MSMS: Male O-Lok Inlet to Male O-Lok Outlet — Accessories



Body Size	Connection A SAE J1453 O-Lok	Connection A1 SAE J1453 O-Lok	Hex	L mm	L1 mm	L2 mm	Part Number
3/8"	11/16"-16 UNF	11/16"-16 UNF	3/4"	11,2	11,2	11,2	DT-370-MSMS-5
1/2"	13/16"-16 UNF	13/16"-16 UNF	7/8"	12,7	12,7	12,7	DT-500-MSMS-5
3/4"	1 3/16"-12 UNF	1 3/16"-12 UNF	1 1/4"	17,0	12,7	17,0	DT-750-MSMS-5
1"	1 7/16"-12 UNF	1 7/16"-12 UNF	1 1/2"	17,5	15,8	17,5	DT-1000-MSMS-5
1 1/4"	1 11/16"-12 UNF	1 11/16"-12 UNF	1 7/8"	17,5	26,9	17,5	DT-1250-MSMS-5
NBR O-Ring included on MO and MS fittings.							

⚠ Please consider our security advices on the pages 14/15 ⚠

Accessories

Thermal Valves

Body Size
1"

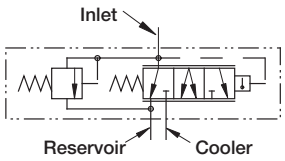
Technical Description
Temperature responsive by-pass valve to modulate return line oil between tank and oil cooler. Available in 5 shift temperatures, 38°C to 82°C. Integral relief valve to dump excessive inlet pressures to the reservoir. Relief pressure settings available from 0.34 to 6,0 bar. 17 bar maximum operating pressure. Up to 227 l/m flow rates.

Advantages
Modulates fluid temperature either by shifting return line flow through the cooler, or by passing directly to the reservoir. Compact construction. 2 mounting holes, each of Ø 10,6 mm. Aluminium die-cast housing. 3 threaded ports for easy tubing. A built-in pressure relief function automatically relieves excess pressure to the reservoir, should the cooler become restricted and the resultant pressure drop become too high for the cooler circuit.

Applications
Ideally suited to hydrostatic drive circuits that require fast warm-up, controlled fluid temperatures and low return line-back pressure.

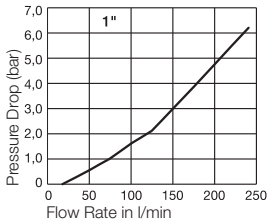
Working Pressure
max. 17 bar

Technical Performance

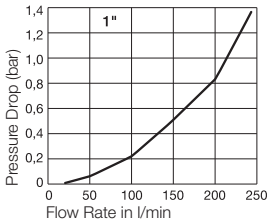


Material	Standard
Body	Aluminium
Valve	Different Materials
Spring	Steel
Seal	NBR, FKM

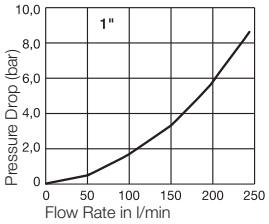
Inlet port through tank port© 38°C
Test with oil viscosity 64 cst



Inlet port through cooler port© 63°C
Test with oil viscosity 23 cst

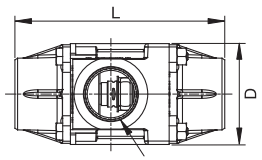


Inlet port over integral relief valve© 77°C
Test with oil viscosity 16 cst

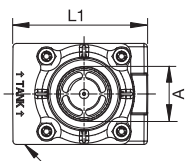


Note: Pressure drop shown is added to relief valve cracking pressure for total pressure drop.

Thermal Valves — Accessories



1,312 - 12UN-2B
SAEJ1926-1-16 SIZE
3 PLACES



Ø 0,42 (10,7)
MOUNTING HOLES
2 PLACES

Body Size	Connection A	L mm	L1 mm	D mm	Weight gr.	Part Number
1"	1 5/16-12 UN	138,2	89,2	66,5	907,0	TH-1000-16FO-*

* = QQ. Please find the Dash Code for your application in the table on the next page.

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CRACKING PRESSURE/TEMPERATURE CODE FOR PRODUCT CONFIGURATION

STRUCTURE OF PART-NUMBER

TH -1000 -16FO - QQ

VALVE SERIES:
Thermal Bypass

VALVE SIZE:
1000 = 1 inch

CRACKING PRESSURE / TEMPERATURE CODE:
(see table below)

PORT SIZE & STYLE:
16FO = 1 inch SAE O-Ring Boss (1.312-12UN-2B thread)

Cracking Pressure	Shift 38°C	Shift 49°C	Shift 60°C	Shift 71°C	Shift 82°C
0,35 bar	-01	-21	-41	-61	-81
0,70 bar	-02	-22	-42	-62	-82
1,05 bar	-03	-23	-43	-63	-83
1,40 bar	-04	-24	-44	-64	-84
1,70 bar	-05	-25	-45	-65	-85
2,10 bar	-06	-26	-46	-66	-86
2,40 bar	-07	-27	-47	-67	-87
2,75 bar	-08	-28	-48	-68	-88
3,10 bar	-09	-29	-49	-69	-89
3,45 bar	-10	-30	-50	-70	-90
3,80 bar	-11	-31	-51	-71	-91
4,15 bar	-12	-32	-52	-72	-92
4,50 bar	-13	-33	-53	-73	-93
4,85 bar	-14	-34	-54	-74	-94
5,20 bar	-15	-35	-55	-75	-95
5,50 bar	-16	-36	-56	-76	-96
5,85 bar	-17	-37	-57	-77	-97

⚠ Please consider our security advices on the pages 14/15 ⚠

Hydraulic Brake Block

Technical Description
Parker Connector Block for trailer hydraulic brake is the ideal product to comply with Regulation (EU) No 167/2013. This regulation imposes for the components and separate technical units pulled by an agricultural tractor, to have 2 lines, with one dedicated to emergency (SL).

This product is made of an aluminium block, a nipple (ISO 5676) for CL line, a switch for SL connection detection, and a nipple (ISO 16028) for the SL.

Advantages
Switch isolated from environment (dust,...) and hydraulic circuit - means a longer lifetime.
Compact & light solution.
Different connectors possible (Amp superseal, deutch, ...).
Detection of failure of the harness and switch (optional).

Applications
Hydraulic trailer braking

Working pressure
150 bar for control line (CL)
35 bar for Supplementary line

Working Temperature
-30°C up to +100°C

Material	
Block	Aluminium
Plug	Steel
Plug body	Steel
Valve	Steel
Seals	NBR, PUR
Plating	Zinc Plated
Spring	Steel, Stainless Steel
Material AMP Superseal Connector	Brass/Plastic

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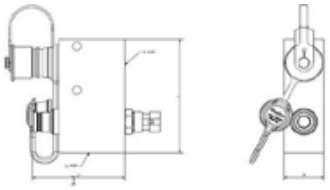
Aluminium Block — Connector for Hydraulic Brake

	L mm	L1 mm	W mm	CL Line	SL Line port	Max. Operating Pressure CL in Bar	Max. Operating Pressure SL in Bar	Part Number
	115	91	39	M18x1.5	M18x1.5	150	35	TMR-372-*

* To be defined

⚠ Please consider our security advices on the pages 14/15 ⚠

Notices

Notices

Parker's Motion & Control Technologies

At Parker, we're guided by a relentless drive to help our customers become more productive and achieve higher levels of profitability by engineering the best systems for their requirements. It means looking at customer applications from many angles to find new ways to create value. Whatever the motion and control technology need, Parker has the experience, breadth of product and global reach to consistently deliver. No company knows more about motion and control technology than Parker. For further info call 00800 27 27 5374

Aerospace

Key Markets

Aftermarket services
Commercial transports
Engines
General & business aviation
Helicopters
Launch vehicles
Military aircraft
Missiles
Power generation
Regional transports
Unmanned aerial vehicles

Key Products

Control systems & actuation products
Engine systems & components
Fluid conveyance systems & components
Fluid metering, delivery & atomization devices
Fuel systems & components
Fuel tank inerting systems
Hydraulic systems & components
Thermal management
Wheels & brakes

Climate Control

Key Markets

Agriculture
Air conditioning
Construction Machinery
Food & beverage
Industrial machinery
Life sciences
Oil & gas
Precision cooling
Process
Refrigeration
Transportation

Key Products

Accumulators
Advanced actuators
CO_2 controls
Electronic controllers
Filter driers
Hand shut-off valves
Heat exchangers
Hose & fittings
Pressure regulating valves
Refrigerant distributors
Safety relief valves
Smart pumps
Solenoid valves
Thermostatic expansion valves

Electromechanical

Key Markets

Aerospace
Factory automation
Life science & medical
Machine tools
Packaging machinery
Paper machinery
Plastics machinery & converting
Primary metals
Semiconductor & electronics
Textile
Wire & cable

Key Products

AC/DC drives & systems
Electric actuators, gantry robots & slides
Electrohydrostatic actuation systems
Electromechanical actuation systems
Human machine interface
Linear motors
Stepper motors, servo motors, drives & controls
Structural extrusions

Filtration

Key Markets

Aerospace
Food & beverage
Industrial plant & equipment
Life sciences
Marine
Mobile equipment
Oil & gas
Power generation & renewable energy
Process
Transportation
Water Purification

Key Products

Analytical gas generators
Compressed air filters & dryers
Engine air, coolant, fuel & oil filtration systems
Fluid condition monitoring systems
Hydraulic & lubrication filters
Hydrogen, nitrogen & zero Air generators
Instrumentation filters
Membrane & fiber filters
Microfiltration
Sterile air filtration
Water desalination & purification filters & systems

Fluid & Gas Handling

Key Markets

Aerial lift
Agriculture
Bulk chemical handling
Construction machinery
Food & beverage
Fuel & gas delivery
Industrial machinery
Life sciences
Marine
Mining
Mobile
Oil & gas
Renewable energy
Transportation

Key Products

Check valves
Connectors for low pressure fluid conveyance
Deep sea umbilicals
Diagnostic equipment
Hose couplings
Industrial hose
Mooring systems & power cables
PTFE hose & tubing
Quick couplings
Rubber & thermoplastic hose
Tube fittings & adapters
Tubing & plastic fittings

Hydraulics

Key Markets

Aerial lift
Agriculture
Alternative energy
Construction machinery
Forestry
Industrial machinery
Machine tools
Marine
Material handling
Mining
Oil & gas
Power generation
Refuse vehicles
Renewable energy
Truck hydraulics
Turf equipment

Key Products

Accumulators
Cartridge valves
Electrohydraulic actuators
Human machine interfaces
Hybrid drives
Hydraulic cylinders
Hydraulic motors & pumps
Hydraulic systems
Hydraulic valves & controls
Hydrostatic steering
Integrated hydraulic circuits
Power take-offs
Power units
Rotary actuators
Sensors

Pneumatics

Key Markets

Aerospace
Conveyor & material handling
Factory automation
Life science & medical
Machine tools
Packaging machinery
Transportation & automotive

Key Products

Air preparation
Brass fittings & valves
Manifolds
Pneumatic accessories
Pneumatic actuators & grippers
Pneumatic valves & controls
Quick disconnects
Rotary actuators
Rubber & thermoplastic hose & couplings
Structural extrusions
Thermoplastic tubing & fittings
Vacuum generators, cups & sensors

Process Control

Key Markets

Alternative fuels
Biopharmaceuticals
Chemical & refining
Food & beverage
Marine & shipbuilding
Medical & dental
Microelectronics
Nuclear Power
Offshore oil exploration
Oil & gas
Pharmaceuticals
Power generation
Pulp & paper
Steel
Water/wastewater

Key Products

Analytical Instruments
Analytical sample conditioning products & systems
Chemical injection fittings & valves
Fluoropolymer chemical delivery fittings, valves & pumps
High purity gas delivery fittings, valves, regulators & digital flow controllers
Industrial mass flow meters/controllers
Permanent no-weld tube fittings
Precision industrial regulators & flow controllers
Process control double block & bleeds
Process control fittings, valves, regulators & manifold valves

Sealing & Shielding

Key Markets

Aerospace
Chemical processing
Consumer
Fluid power
General industrial
Information technology
Life sciences
Microelectronics
Military
Oil & gas
Power generation
Renewable energy
Telecommunications
Transportation

Key Products

Dynamic seals
Elastomeric o-rings
Electro-medical instrument design & assembly
EMI shielding
Extruded & precision-cut, fabricated elastomeric seals
High temperature metal seals
Homogeneous & inserted elastomeric shapes
Medical device fabrication & assembly
Metal & plastic retained composite seals
Shielded optical windows
Silicone tubing & extrusions
Thermal management
Vibration dampening

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