Mould Couplings

Quick connect couplings for tempering and cooling.

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THE ENTIRE WORLD OF MOULD COOLING.

Dear Customers and Business Friends,

We are pleased to offer you a complete range of quick connect coupling systems for the field of tempering and cooling, under the Parker umbrella. With this extensive range, we are able to offer you the broadest range on the market and we are the only supplier of all three principal European profiles – International, European and French. Our systems are available both as individual products and as complete, ready-made units with any desired hose lengths and qualities. Naturally, our specialist advisers are also available at any time to provide personal advice and assistance if ever you cannot immediately find what you are looking for or if you have a particularly special problem to solve.

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.
- February 2018: With the actual catalogue the older versions are no longer valid.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 8 and 9.

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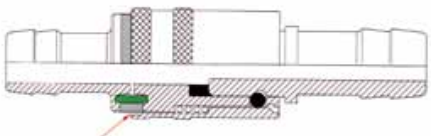
SAFE-LOCK–
SAFETY WITH NO COMPROMISES.

SAFE-LOCK

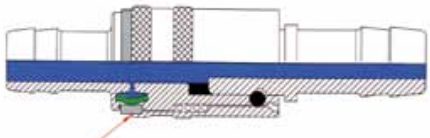
The products marked with this system are fitted with the Safe-Lock technology developed by our designers.

Using a special mechanism, the Safe-Lock technology reliably prevents accidental uncoupling of the systems under pressure. As the normally contiguous temperatures of the media used are between 90 °C and 170 °C, accidents of this nature can result in serious burns. The only alternatives to the Safe-Lock systems are double shut-off couplings, with which, however, the complex valve technology has a strong negative impact on the flow values.

Safe-Lock Coupling Systems
- Reliably eliminate the risk of serious burns
- Cannot be disconnected under pressure > 3 bar
- Are available both for our European and International ranges
- Are 100 % compatible with our standard systems and are therefore also easy to retrofit at a later date
- Are compliant with EU safety directive 2006/42/EG



unlocked



locked

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ALWAYS PRECISELY THE RIGHT PROFILE.

INTERNATIONAL

Profile proven for decades in the field of plastic injection technology for two-handed coupling systems with great market penetration.

EUROPEAN

Development of the International profile. The coupling systems with the European profile stand out for their comfortable single-handed operation and a reliable O-ring seal.

FRENCH

Available only as a straight-through coupling without valve. O-rings are very easy to replace. Moreover, simple colour coding is possible here, by means of Colour Clip.

FRENCHMATIC I

This range of couplings was constructed with valves as an alternative to the French profiles. All four nominal diameters in our Frenchmatic I range are available with single and double shut-off.

FRENCHMATIC II

We supply our Frenchmatic II coupling system as a dry-break version. The range stands out for its single-handed operation and minimum leakage when disconnecting.

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KEEP COOL.

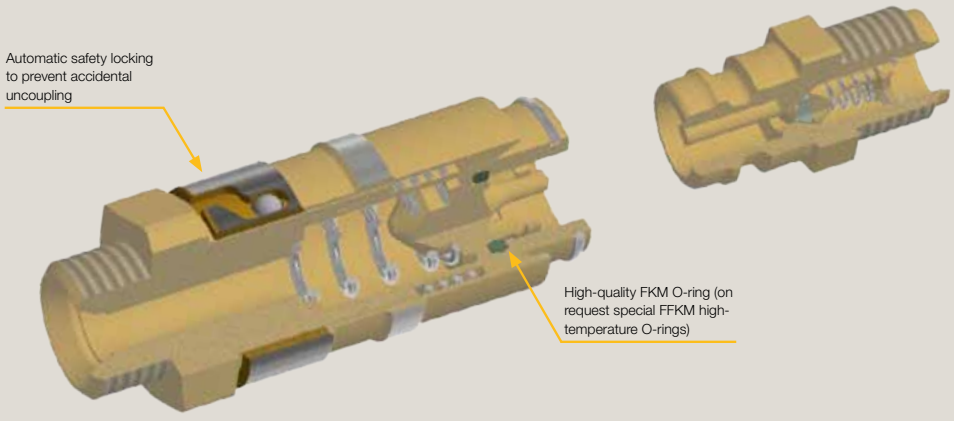
SV

New safety lock - Safety first

With immediate effect, our core series are available with a new safety lock.
The safety lock offers protection from accidental uncoupling and thus ensures maximum occupational safety, not only in the high-temperature range.
This variant is clearly distinguished from our patented Safe-lock system, as there is no need to depressurise the system for uncoupling.
End users have the choice of which safety principle is best suited to their application.

Advantages of the safety lock:

- User-friendly – easy handling
- Available for European profile series 10 (DN 6) and 11 (DN 9)
- also available as straight-through, single and double shut-off version
- With high-quality FKM O-rings
- On request, available with special high-temperature O-rings up to constant temperature of 200°C



A REALLY HOT TIP FOR MOULD COOLING

The right solution for any temperature range

With our new generation of high-temperature couplings, we take a different approach from the common solutions on the market and use an FFKM O-ring compound.
The advantage of this high-quality compound lies in the temperature resistance up to 200°C for cooling media such as water/glycol as well as heat transfer oil.
Previous solutions are often only a compromise, as they display different temperature resistances depending on the cooling medium used.

All series available are marked with the HT logo in the catalogue.

Advantages of the high temperature seal:
- Special FFKM compound
- High temperature resistance up to constant temperature 200°C for water/glycol and heat transfer oil
- Longer lifetimes with greater reliability
- Coupling sleeve marked in orange for easy distinction

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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 Parker RectusTema quick 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.

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.

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.

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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.

Nominal Diameter
6/9/13

Rectus Series
86/87/88

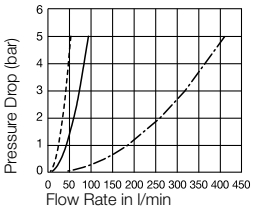
Technical Description
The 86, 87 and 88 Rectus Moldtite coupling series were especially developed for connecting coolant lines and injection moulds. Countersunk plugs can easily be connected and disconnected because of the extended sleeve. The angular connections prevent kinks from forming in the hose.

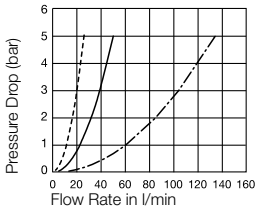
Advantages
Available in single shut-off, double shut-off, straight-through and Safe-Lock versions. The shut-off couplings (with valve) are equipped with nickel plated sleeves for quick and accurate visual differentiation.

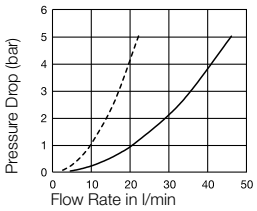
Working Temperature*
-15°C up to +200°C (FKM)
depending on the medium.

* For temperatures below -15°C and over +200°C and depending on the medium, other seal variants are available.

KF Straight-Through	KA Single Shut-Off	KB Double Shut-Off
Working Pressure**		
15 bar ** maximum static working pressure with design factor 4 to 1.	15 bar	15 bar
Material		
Coupling: Brass **Plug:** Brass **Seals:** FKM	**Coupling:** Brass **Plug:** Brass **Seals:** FKM	**Coupling:** Brass **Plug:** Brass **Seals:** FKM
Flow diagrams		
Water	**Water**	**Water**







Series 86
Series 87
Series 88

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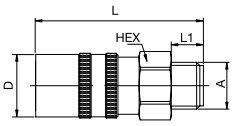
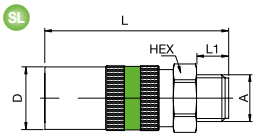
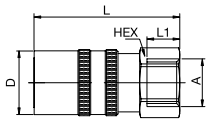
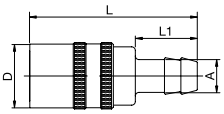
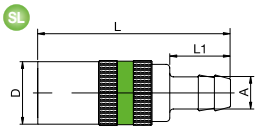
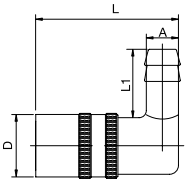
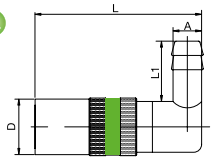
Couplings – without valve — Series 86/87/88

	DN	Series	Connection A	HEX mm	L mm	L1 mm	D mm	Part Number
 Male Thread	6	86	G 1/4	17	47	9	18	86KFAW13MVX
	6	86	G 3/8	19	47	9	18	86KFAW17MVX
	9	87	G 1/4	22	56,5	9	24	87KFAW13MVX
	9	87	G 3/8	22	56,5	9	24	87KFAW17MVX
	9	87	G 1/2	22	59,5	12	24	87KFAW21MVX
SL  Male Thread	6	86	G 1/4	17	51,5	9	18	86KFAW13MVXSL
	6	86	G 3/8	19	51,5	9	18	86KFAW17MVXSL
	9	87	G 1/4	22	67	9	24	87KFAW13MVXSL
	9	87	G 3/8	22	67	9	24	87KFAW17MVXSL
	9	87	G 1/2	22	70	12	24	87KFAW21MVXSL
 Female Thread	6	86	G 1/8	17	40	9	18	86KFIW10MVX
	6	86	G 1/4	17	40	9	18	86KFIW13MVX
	9	87	G 1/4	21	51,5	9	24	87KFIW13MVX
	9	87	G 3/8	21	51,5	9	24	87KFIW17MVX
 Hose Barb	6	86	6 mm		46	17	18	86KFTF06MVX
	6	86	9 mm		51	22	18	86KFTF09MVX
	9	87	9 mm		64	22	24	87KFTF09MVX
	9	87	13 mm		66,5	25	24	87KFTF13MVX
	13	88	19 mm		89	32	32	88KFTF19MVX
SL  Hose Barb	6	86	6 mm		54	17	18	86KFTF06MVXSL
	6	86	9 mm		59	22	18	86KFTF09MVXSL
	9	87	9 mm		73	22	24	87KFTF09MVXSL
	9	87	13 mm		76	25	24	87KFTF13MVXSL
 Hose Barb 90°	6	86	6 mm		40	17	18	86KFTR06MVX
	6	86	9 mm		40	22	18	86KFTR09MVX
	9	87	9 mm		56	22	24	87KFTR09MVX
	9	87	13 mm		56	28,5	24	87KFTR13MVX
	13	88	19 mm		77	32	32	88KFTR19MVX
SL  Hose Barb 90°	6	86	9 mm		52,5	22	18	86KFTR09MVXSL
	9	87	9 mm		68,5	22	24	87KFTR09MVXSL
	9	87	13 mm		68,5	28,5	24	87KFTR13MVXSL

⚠ Please consider our security advices on the pages 8/9 ⚠

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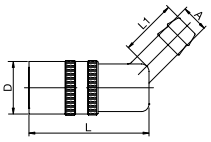
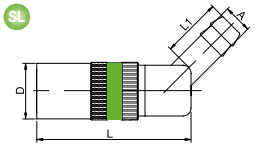
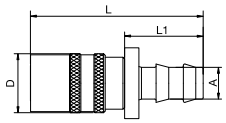
Couplings – without valve — Series 86/87/88

	DN	Series	Connection A	HEX mm	L mm	L1 mm	D mm	Part Number
 Hose Barb 45°	6	86	6 mm		40	17	18	86KFTH06MVX
	6	86	9 mm		40	22	18	86KFTH09MVX
	9	87	9 mm		56	22	24	87KFTH09MVX
	9	87	13 mm		56	25	24	87KFTH13MVX
SL  Hose Barb 45°	6	86	9 mm		51,5	22	18	86KFTH09MVXSL
	9	87	9 mm		65,5	22	24	87KFTH09MVXSL
	9	87	13 mm		65,5	25	24	87KFTH13MVXSL
 Push-Lok	6	86	6 mm		49	20,4	18	86KFTP06MVX
	6	86	10 mm		53	24,2	18	86KFTP10MVX
	9	87	10 mm		65,5	24,2	24	87KFTP10MVX
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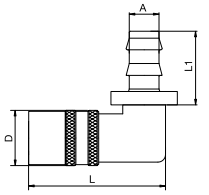 Push-Lok 90°	6	86	6 mm		45	20,4	18	86KFPR06MVX
	6	86	10 mm		45	24,2	18	86KFPR10MVX
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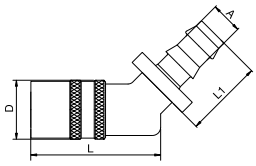 Push-Lok 45°	6	86	6 mm		40	20,4	18	86KFPH06MVX
	6	86	10 mm		40	24,2	18	86KFPH10MVX
	9	87	10 mm		56	24,2	24	87KFPH10MVX
	9	87	13 mm		56	27,9	24	87KFPH13MVX

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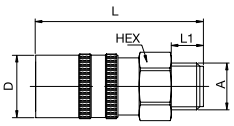
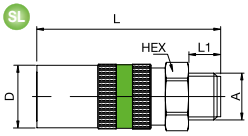
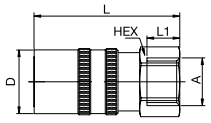
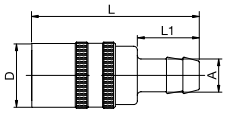
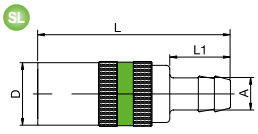
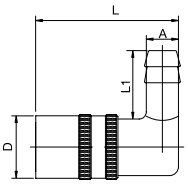
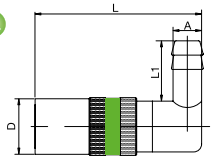
Couplings – with valve

Series 86/87/88

	DN	Series	Connection A	HEX mm	L mm	L1 mm	D mm	Part Number
 Male Thread	6	86	G 1/4	17	47	9	18	86KBAW13MVX
	6	86	G 3/8	19	47	9	18	86KBAW17MVX
	9	87	G 1/4	22	56,5	9	24	87KBAW13MVX
	9	87	G 3/8	22	56,5	9	24	87KBAW17MVX
	9	87	G 1/2	22	59,5	12	24	87KBAW21MVX
SL  Male Thread	6	86	G 1/4	17	51,5	9	18	86KBAW13MVXSL
	6	86	G 3/8	19	51,5	9	18	86KBAW17MVXSL
	9	87	G 1/4	22	67	9	24	87KBAW13MVXSL
	9	87	G 3/8	22	67	9	24	87KBAW17MVXSL
	9	87	G 1/2	22	70	12	24	87KBAW21MVXSL
 Female Thread	6	86	G 1/8	17	40	9	18	86KBIW10MVX
	6	86	G 1/4	17	40	9	18	86KBIW13MVX
	9	87	G 1/4	21	51,5	9	24	87KBIW13MVX
	9	87	G 3/8	21	51,5	9	24	87KBIW17MVX
 Hose Barb	6	86	6 mm		46	17	18	86KBTF06MVX
	6	86	9 mm		51	22	18	86KBTF09MVX
	9	87	9 mm		64	22	24	87KBTF09MVX
	9	87	13 mm		66,5	25	24	87KBTF13MVX
	13	88	19 mm		89	32	32	88KBTF19MVX
SL  Hose Barb	6	86	6 mm		54	17	18	86KBTF06MVXSL
	6	86	9 mm		59	22	18	86KBTF09MVXSL
	9	87	9 mm		73	22	24	87KBTF09MVXSL
	9	87	13 mm		76	25	24	87KBTF13MVXSL
 Hose Barb 90°	6	86	6 mm		40	17	18	86KBTR06MVX
	6	86	9 mm		40	22	18	86KBTR09MVX
	9	87	9 mm		56	22	24	87KBTR09MVX
	9	87	13 mm		56	28,5	24	87KBTR13MVX
	13	88	19 mm		77	32	32	88KBTR19MVX
SL  Hose Barb 90°	6	86	9 mm		52,5	22	18	86KBTR09MVXSL
	9	87	9 mm		68,5	22	24	87KBTR09MVXSL
	9	87	13 mm		68,5	28,5	24	87KBTR13MVXSL

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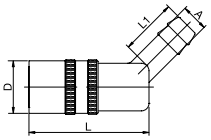
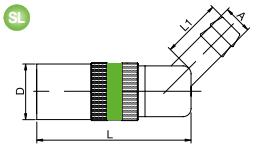
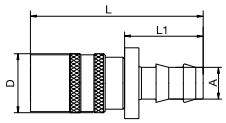
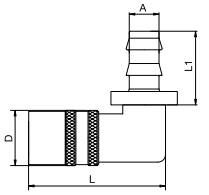
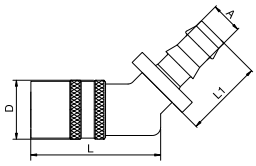
Couplings – with valve — Series 86/87/88

	DN	Series	Connection A	HEX mm	L mm	L1 mm	D mm	Part Number
 Hose Barb 45°	6	86	6 mm		40	17	18	86KBTH06MVX
	6	86	9 mm		40	22	18	86KBTH09MVX
	9	87	9 mm		56	22	24	87KBTH09MVX
	9	87	13 mm		56	25	24	87KBTH13MVX
SL  Hose Barb 45°	6	86	9 mm		51,5	22	18	86KBTH09MVXSL
	9	87	9 mm		65,5	22	24	87KBTH09MVXSL
	9	87	13 mm		65,5	25	24	87KBTH13MVXSL
 Push-Lok	6	86	6 mm		49	20,4	18	86KBTP06MVX
	6	86	10 mm		53	24,2	18	86KBTP10MVX
	9	87	10 mm		65,5	24,2	24	87KBTP10MVX
	9	87	13 mm		69,5	27,9	24	87KBTP13MVX
 Push-Lok 90°	6	86	6 mm		45	20,4	18	86KBPR06MVX
	6	86	10 mm		45	24,2	18	86KBPR10MVX
	9	87	10 mm		61,5	24,2	24	87KBPR10MVX
	9	87	13 mm		61,5	27,9	24	87KBPR13MVX
 Push-Lok 45°	6	86	6 mm		40	20,4	18	86KBPH06MVX
	6	86	10 mm		40	24,2	18	86KBPH10MVX
	9	87	10 mm		56	24,2	24	87KBPH10MVX
	9	87	13 mm		56	27,9	24	87KBPH13MVX

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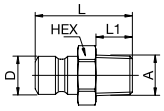
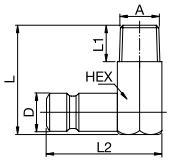
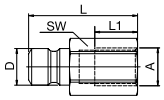
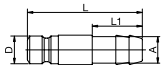
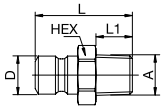
Plug – without valve — Series 86/87/88

	DN	Series	Connection A	HEX mm	L mm	L1 mm	L2 mm	D mm	Part Number
 Male Thread	6	86	M 10 x 1	13	23	8		9,5	86SFAM10MXX
	6	86	R 1/8	13	24	9		9,5	86SFAK10MXX
	6	86	R 1/4	16	29	12		9,5	86SFAK13MXX
	6	86	R 3/8	19	30	12		9,5	86SFAK17MXX
	6/9	87	R 1/4	16	34	12		13,5	87SFAK13MXX
	9	87	R 3/8	19	34	12		13,5	87SFAK17MXX
	9	87	R 1/2	24	39	17		13,5	87SFAK21MXX
	13	88	R 1/2	22	44	17		20	88SFAK21MXX
	13	88	R 3/4	29	45	19		20	88SFAK26MXX
 Male Thread 90° tapered	6	86	R 1/8	11	27	9	28,5	9,5	86SFAR10MXX
	6	86	R 1/4	14	27	9	32	9,5	86SFAR13MXX
	9	87	R 1/4	15	34	9	32	13,5	87SFAR13MXX
	9	87	R 3/8	19	37	12	36	13,5	87SFAR17MXX
 Female Thread	6	86	G 1/8	13	28	11		9,5	86SFIW10MXX
	6	86	G 1/4	16	32	13		9,5	86SFIW13MXX
	9	87	G 1/4	16	37	13		13,5	87SFIW13MXX
	9	87	G 3/8	19	39	13		13,5	87SFIW17MXX
 Hose Barb	6	86	9 mm		39	22		9,5	86SFTF09MXX
	9	87	13 mm		41	21		13,5	87SFTF13MXX
	13	88	19 mm		91	46		20	88SFTF19MXX

Plug – with valve — Series 86/87/88

	DN	Series	Connection A	HEX mm	L mm	L1 mm	L2 mm	D mm	Part Number
 Male Thread	6	86	R 1/4	6	29	14		9,5	86SBAK13MVX
	6/9	87	R 1/4	16	34	12		13,5	87SBAK13MVX
	9	87	R 3/8	19	34	12		13,5	87SBAK17MVX

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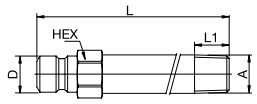
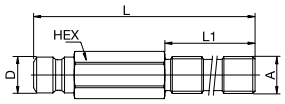
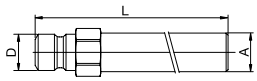
Extension Plugs – without valve — Series 86/87/88

	DN	Series	Connection A	HEX mm	L mm	L1 mm	D mm	Part Number
 Male Thread	6	86	R 1/8	11	100	9	9,5	86VN1010MXX
	6	86	R 1/8	11	150	9	9,5	86VN1015MXXS_01
	6	86	R 1/8	11	250	9	9,5	86VN1025MXX
	9	87	R 1/4	15	150	12	13,5	87VN1315MXX
	9	87	R 1/4	15	250	12	13,5	87VN1325MXX
 continuous Male Thread	6	86	G 1/8	11	100	60	9,5	86VN1010MXXS_01
	6	86	G 1/4	14	100	60	9,5	86VN1310MXX
	9	87	G 1/4	14	100	60	13,5	87VN1310MXX
	9	87	G 3/8	17	100	60	13,5	87VN1710MXX
 without Thread	6	86	10 mm	11	50		9,5	86VNXX05MXX
	6	86	10 mm	11	100		9,5	86VNXX10MXX
	6	86	10 mm	11	150		9,5	86VNXX15MXX
	6	86	10 mm	11	200		9,5	86VNXX20MXX
	9	87	14 mm	15	100		9,5	87VNXX10MXX
	9	87	14 mm	15	150		9,5	87VNXX15MXX
	9	87	14 mm	15	200		9,5	87VNXX20MXX
	9	87	14 mm	15	250		9,5	87VNXX25MXX

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Nominal Diameter
6/9/13

Rectus Series
10/11/12

Technical Description
The 10, 11 and 12 Rectus Moldtite coupling series were especially developed for connecting coolant lines and injection moulds. These stand out for their convenient, single-handed operation and a reliable O-ring seal. Widely used in Europe.

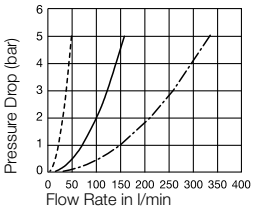
Advantages
Available in single shut-off, double shut-off or straight-through versions also available with Safe-Lock-technology. The straight-through couplings are equipped with nickel plated sleeves for quick and accurate visual differentiation. The angular connections prevent kinks from forming in the hose.

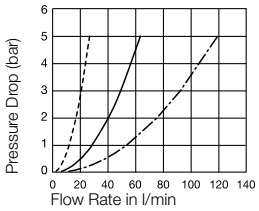
Working Temperature*
-15°C up to +200°C (FKM)
depending on the medium.

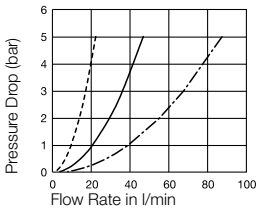
* For temperatures below -15°C and over +200°C and depending on the medium, other seal variants are available.

On request, series 10/11 are also available with a special FFKM high-temperature seal for applications up to constant temperature 200°C.

KF Straight-Through	KA Single Shut-Off	KB Double Shut-Off
Working Pressure**		
15 bar ** maximum static working pressure with design factor 4 to 1.	15 bar	15 bar
Material		
Coupling: Brass **Plug:** Brass, Stainless Steel **Seals:** FKM	**Coupling:** Brass **Plug:** Brass, Stainless Steel **Seals:** FKM	**Coupling:** Brass **Plug:** Brass **Seals:** FKM
Flow diagrams		
Water	**Water**	**Water**

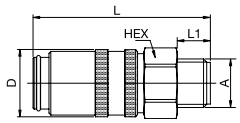
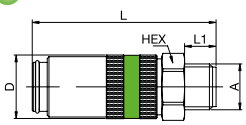
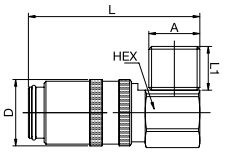
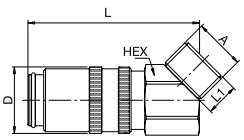
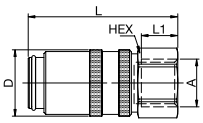
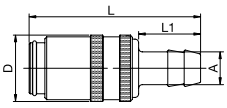






Series 10
Series 11
Series 12

Couplings – without valve — Series 10/11/12

	DN	Series	Connection A	HEX mm	L mm	L1 mm	D mm	Part Number
 Male Thread	6	10	M 14 x 1,5	17	48	9	18	10KFAM14MVX
	6	10	G 1/4	17	48	9	18	10KFAW13MVX
	6	10	G 3/8	19	48	9	18	10KFAW17MVX
	9	11	G 1/4	22	51,5	9	23	11KFAW13MVX
	9	11	M 16 x 1,5	22	51,5	9	23	11KFAM16MVX
	9	11	G 3/8	22	51,5	9	23	11KFAW17MVX
	9	11	G 1/2	22	51,5	12	23	11KFAW21MVX
	13	12	G 1/2	30	74	12	32	12KFAW21MVX
	13	12	M 24 X1,5	30	78	16	32	12KFAM24MVX
	13	12	G 3/4	30	78	16	32	12KFAW26MVX
 Male Thread	6	10	G 1/4	17	52,5	9	18	10KFAW13MVXSL
	6	10	M 14 x 1,5	17	52,5	9	18	10KFAM14MVXSL
	6	10	G 3/8	19	52,5	9	18	10KFAW17MVXSL
	9	11	G 1/4	22	62	9	24	11KFAW13MVXSL
	9	11	M 16 x 1,5	22	62	9	24	11KFAM16MVXSL
	9	11	G 3/8	22	62	9	24	11KFAW17MVXSL
	9	11	G 1/2	22	65	12	24	11KFAW21MVXSL
 Male Thread 90°	6	10	G 1/4	17	47	12	18	10KFAR13MVX
	6	10	M 14 x 1,5	17	47	12	18	10KFAR14MVX
	9	11	M 16 x 1,5	22	53,5	12	23	11KFAR16MVX
	13	12	M 24 x 1,5	30	80	18	32	12KFAR24MVX
 Male Thread 45°	6	10	G 1/4	17	47	9	18	10KFAH13MVX
	6	10	M 14 x 1,5	17	47	9	18	10KFAH14MVX
	9	11	M 16 x 1,5	22	53,5	9	23	11KFAH16MVX
	13	12	M 24 x 1,5	30	80	18	32	12KFAH24MVX
 Female Thread	6	10	G 1/4	17	41	10	18	10KFIW13MVX
	6	10	G 3/8	19	45	10	18	10KFIW17MVX
	9	11	G 1/4	21	46,5	10	23	11KFIW13MVX
	9	11	M 16 x 1,5	21	46,5	10	23	11KFIM16MVX
	9	11	G 3/8	21	46,5	10	23	11KFIW17MVX
 Hose Barb	6	10	9 mm		52	22	18	10KFTF09MVX
	9	11	13 mm		61,5	25	23	11KFTF13MVX
	13	12	19 mm		90	32	32	12KFTF19MVX

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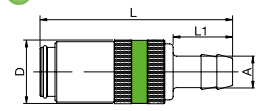
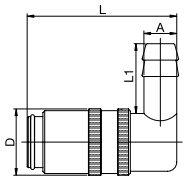
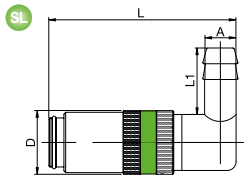
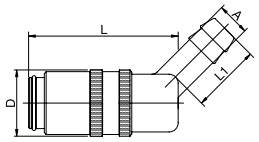
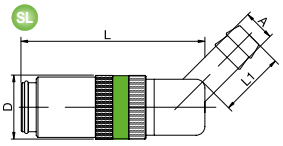
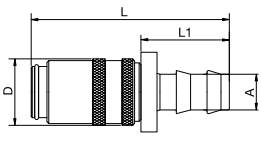
Couplings – without valve — Series 10/11/12

	DN	Series	Connection A	HEX mm	L mm	L1 mm	D mm	Part Number
SL  Hose Barb	6	10	9 mm		60	22	18	10KFTF09MVXSL
	9	11	13 mm		71	25	24	11KFTF13MVXSL
 Hose Barb 90°	6	10	9 mm		41	22	18	10KFTR09MVX
	9	11	13 mm		51	28,5	23	11KFTR13MVX
	13	12	19 mm		78	32	32	12KFTR19MVX
SL  Hose Barb 90°	6	10	9 mm		53,5	22	18	10KFTR09MVXSL
	9	11	13 mm		63,5	28,5	24	11KFTR13MVXSL
 Hose Barb 45°	6	10	9 mm		52	22	18	10KFTH09MVX
	9	11	13 mm		51	25	23	11KFTH13MVX
	13	12	19 mm		78	30	32	12KFTH19MVX
SL  Hose Barb 45°	6	10	9 mm		60	22	18	10KFTH09MVXSL
	9	11	13 mm		60,5	25	24	11KFTH13MVXSL
 Push-Lok	6	10	6 mm		50,5	20,4	18	10KFTP06MVX
	6	10	10 mm		54	24,2	18	10KFTP10MVX
	9	11	10 mm		61	24,2	23	11KFTP10MVX
	9	11	13 mm		64,5	27,9	23	11KFTP13MVX

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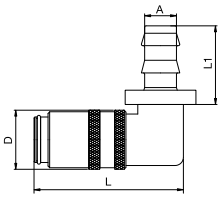
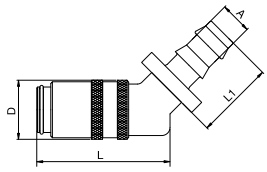
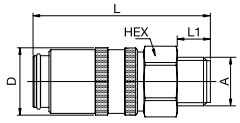
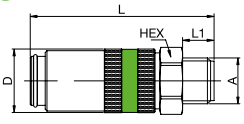
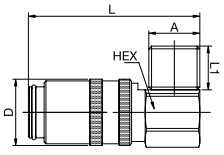
Couplings – without valve — Series 10/11/12

	DN	Series	Connection A	HEX mm	L mm	L1 mm	D mm	Part Number
 Push-Lok 90°	6	10	6 mm		46	20,4	18	10KFPR06MVX
	6	10	10 mm		46	24,2	18	10KFPR10MVX
	9	11	10 mm		56,5	24,2	23	11KFPR10MVX
	9	11	13 mm		56,5	27,9	23	11KFPR13MVX
 Push-Lok 45°	6	10	6 mm		41	20,4	18	10KFPH06MVX
	6	10	10 mm		41	24,2	18	10KFPH10MVX
	9	11	10 mm		51	24,2	23	11KFPH10MVX
	9	11	13 mm		51	27,9	23	11KFPH13MVX

Couplings – with valve — Series 10/11/12

	DN	Series	Connection A	HEX mm	L mm	L1 mm	D mm	Part Number
 Male Thread	6	10	M 14 x 1,5	17	48	9	18	10KBAM14MVX
	6	10	G 1/4	17	48	9	18	10KBAW13MVX
	6	10	G 3/8	19	48	9	18	10KBAW17MVX
	9	11	G 1/4	22	51,5	9	23	11KBAW13MVX
	9	11	M 16 x 1,5	22	51,5	9	23	11KBAM16MVX
	9	11	G 3/8	22	51,5	9	23	11KBAW17MVX
	9	11	G 1/2	22	51,5	12	23	11KBAW21MVX
	13	12	G 1/2	30	74	12	32	12KBAW21MVX
	13	12	M 24 x 1,5	30	78	16	32	12KBAM24MVX
	13	12	G 3/4	30	78	16	32	12KBAW26MVX
SL  Male Thread	6	10	G 1/4	17	52,5	9	18	10KBAW13MVXSL
	6	10	M 14 x 1,5	17	52,5	9	18	10KBAM14MVXSL
	6	10	G 3/8	19	52,5	9	18	10KBAW17MVXSL
	9	11	G 1/4	22	62	9	24	11KBAW13MVXSL
	9	11	M 16 x 1,5	22	62	9	24	11KBAM16MVXSL
	9	11	G 3/8	22	62	9	24	11KBAW17MVXSL
	9	11	G 1/2	22	65	12	24	11KBAW21MVXSL
 Male Thread 90°	6	10	G 1/4	17	47	12	18	10KBAR13MVX
	6	10	M 14 x 1,5	17	47	12	18	10KBAR14MVX
	9	11	M 16 x 1,5	22	53,5	12	23	11KBAR16MVX
	13	12	M 24 x 1,5	30	80	18	32	12KBAR24MVX

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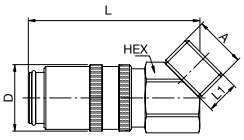
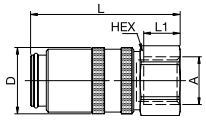
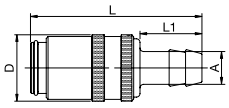
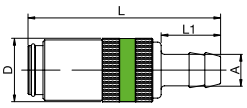
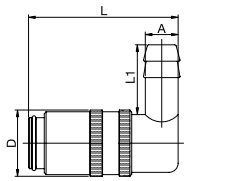
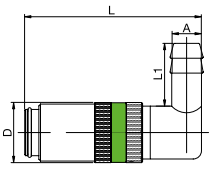
Couplings – with valve

Series 10/11/12

	DN	Series	Connection A	HEX mm	L mm	L1 mm	D mm	Part Number
 Male Thread 45°	6	10	G 1/4	17	47	9	18	10KBAH13MVX
	6	10	M 14 x 1,5	17	47	9	18	10KBAH14MVX
	9	11	M 16 x 1,5	22	53,5	9	23	11KBAH16MVX
	13	12	M 24 x 1,5	30	80	18	32	12KBAH24MVX
 Female Thread	6	10	G 1/4	17	41	10	18	10KBIW13MVX
	6	10	G 3/8	19	45	10	18	10KBIW17MVX
	9	11	G 1/4	21	46,5	10	23	11KBIW13MVX
	9	11	M 16 x 1,5	21	46,5	10	23	11KBIM16MVX
	9	11	G 3/8	21	46,5	10	23	11KBIW17MVX
 Hose Barb	6	10	9 mm		52	22	18	10KBTF09MVX
	9	11	13 mm		61,5	25	23	11KBTF13MVX
	13	12	19 mm		90	32	32	12KBTF19MVX
SL  Hose Barb	6	10	9 mm		60	22	18	10KBTF09MVXSL
	9	11	13 mm		71	25	24	11KBTF13MVXSL
 Hose Barb 90°	6	10	9 mm		41	22	18	10KBTR09MVX
	9	11	13 mm		51	28,5	23	11KBTR13MVX
	13	12	19 mm		78	32	32	12KBTR19MVX
SL  Hose Barb 90°	6	10	9 mm		53,5	22	18	10KBTR09MVXSL
	9	11	13 mm		63,5	28,5	24	11KBTR13MVXSL

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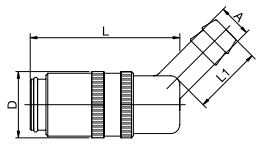
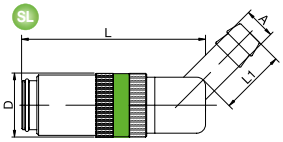
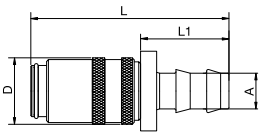
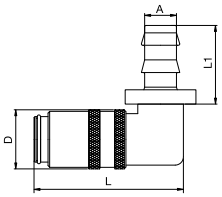
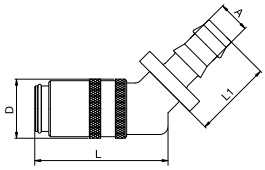
Couplings – with valve — Series 10/11/12

	DN	Series	Connection A	HEX mm	L mm	L1 mm	D mm	Part Number
 Hose Barb 45°	6	10	9 mm		52	22	18	10KBTH09MVX
	9	11	13 mm		51	25	23	11KBTH13MVX
	13	12	19 mm		78	30	32	12KBTH19MVX
 Hose Barb 45°	6	10	9 mm		60	22	18	10KBTH09MVXSL
	9	11	13 mm		60,5	25	24	11KBTH13MVXSL
 Push-Lok	6	10	6 mm		50,5	20,4	18	10KBTP06MVX
	6	10	10 mm		54	24,2	18	10KBTP10MVX
	9	11	10 mm		61	24,2	23	11KBTP10MVX
	9	11	13 mm		64,5	27,9	23	11KBTP13MVX
 Push-Lok 90°	6	10	6 mm		46	20,4	18	10KBPR06MVX
	6	10	10 mm		46	24,2	18	10KBPR10MVX
	9	11	10 mm		56,5	24,2	23	11KBPR10MVX
	9	11	13 mm		56,5	27,9	23	11KBPR13MVX
 Push-Lok 45°	6	10	6 mm		41	20,4	18	10KBPH06MVX
	6	10	10 mm		41	24,2	18	10KBPH10MVX
	9	11	10 mm		51	24,2	23	11KBPH10MVX
	9	11	13 mm		51	27,9	23	11KBPH13MVX

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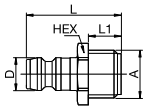
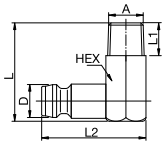
Plug – without valve — Series 10/11/12



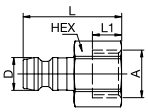
Male Thread

DN	Series	Connection A	HEX mm	L mm	L1 mm	L2 mm	D mm	Version	Part Number
6	10	M 8 x 0,75	11	24	7		9	Brass	10SFAM08MXX
6	10	M 8 x 0,75	11	24	7		9	AISI 303	10SFAM08RXX
6	10	M 10 x 1	11	24	7		9	Brass	10SFAM10MXX
6	10	M 10 x 1	11	24	7		9	AISI 303	10SFAM10RXX
6	10	G 1/8	11	24	7		9	nickel plated	10SFAW10MXN
6	10	G 1/8	11	24	7		9	AISI 303	10SFAW10RXX
6	10	M 12 x 1,5	14	27	10		9	Brass	10SFAM12MXX
6	10	G 1/4	15	26	9		9	nickel plated	10SFAW13MXN
6	10	G 1/4	15	26	9		9	AISI 303	10SFAW13RXX
6	10	M 14 x 1,5	15	26	9		9	Brass	10SFAM14MXX
6	10	G 3/8	17	30	10		9	nickel plated	10SFAW17MXN
9	11	G 1/8	14	25	8		13,5	nickel plated	11SFAW10MXN
9	11	G 1/4	15	26	9		13,5	nickel plated	11SFAW13MXN
9	11	G 1/4	15	26	9		13,5	AISI 303	11SFAW13RXX
9	11	M 14 x 1,5	15	26	9		13,5	Brass	11SFAM14MXX
9	11	M 16 x 1,5	17	26	9		13,5	Brass	11SFAM16MXX
9	11	G 3/8	17	26	9		13,5	nickel plated	11SFAW17MXN
9	11	G 3/8	17	26	9		13,5	AISI 303	11SFAW17RXX
13	12	G 1/2	22	47	12		19	nickel plated	12SFAW21MXN
13	12	G 3/4	27	51	16		19	nickel plated	12SFAW26MXN



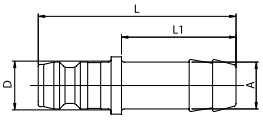
Male Thread 90° tapered

6	10	M 10 x 1	11	27	9	28,5	9	Brass	10SFAR10MXX
6	10	R 1/8	11	27	9	28,5	9	nickel plated	10SFAR10MXN
6	10	R 1/4	11	27	9	28,5	9	nickel plated	10SFAR13MXN
9	11	R 1/4	15	34	11	32	13,5	nickel plated	11SFAR13MXN
9	11	R 3/8	15	34	11	32	13,5	nickel plated	11SFAR17MXN



Female Thread

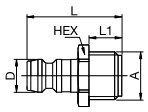
6	10	G 1/8	11	24	7		9	nickel plated	10SFIW10MXN
6	10	G 1/4	16	27	8		9	nickel plated	10SFIW13MXN
9	11	G 1/4	16	33	8		13,5	nickel plated	11SFIW13MXN



Hose Barb

6	10	9 mm		38	22		9	Brass	10SFTF09MXX
9	11	9 mm		41	25		13,5	Brass	11SFTF09MXX
9	11	13 mm		41	25		13,5	Brass	11SFTF13MXX
13	12	19 mm		61	32		19	Brass	12SFTF19MXX

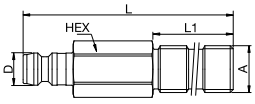
Plug – with valve — Series 10/11/12



Male Thread

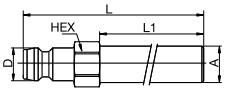
DN	Series	Connection A	HEX mm	L mm	L1 mm	L2 mm	D mm	Version	Part Number
6	10	G 1/4	15	29	12		9	nickel plated	10SBAW13MVN
6	10	M 14 x 1,5	15	29	12		9	Brass	10SBAM14MVX
9	11	G 1/4	15	31	12		13,5	nickel plated	11SBAW13MVN
9	11	M 16 x 1,5	17	30	12		13,5	Brass	11SBAM16MVX
9	11	G 3/8	17	30	12		13,5	nickel plated	11SBAW17MVN
13	12	M 24 x 1,5	27	51	16		19	Brass	12SBAM24MVX
13	12	G 3/4	27	51	16		19	nickel plated	12SBAW26MVN

Extension Plugs – without valve — Series 10/11/12



continuous Male Thread

DN	Series	Connection A	HEX mm	L mm	L1 mm	D mm	Version	Part Number
6	10	G 1/8	11	100	60	9	Brass	10VN1010MXX
6	10	G 1/4	14	100	60	9	Brass	10VN1310MXX
9	11	G 1/4	14	100	60	13,5	Brass	11VN1310MXX
9	11	G 3/8	19	100	60	13,5	Brass	11VN1710MXX



without Thread

DN	Series	Connection A	HEX mm	L mm	L1 mm	D mm	Version	Part Number
6	10	8 mm	9	63	42	9	Brass	10VNXX063MXX
6	10	8 mm	9	100	79	9	Brass	10VNXX10MXX
6	10	10 mm	11	120	100	9	Brass	10VNXX12MXX
6	10	10 mm	11	240	220	9	Brass	10VNXX24MXX
6	10	10 mm	11	360	340	9	Brass	10VNXX36MXX
9	11	14 mm	15	150	125	13,5	Brass	11VNXX15MXX
9	11	14 mm	15	300	275	13,5	Brass	11VNXX30MXX
9	11	14 mm	15	450	425	13,5	Brass	11VNXX45MXX

⚠ Please consider our security advices on the pages 8/9 ⚠

Nominal Diameter
6/9

Rectus Series with Safety Lock
10/11

Technical Description
The 10 and 11 Rectus Moldtite coupling series were especially developed for connecting coolant lines and injection moulds. These stand out for their convenient, single-handed operation and a reliable O-ring seal. Widely used in Europe.

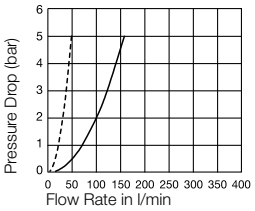
Advantages
Coupling system with safety locking. Accidental uncoupling is prevented effectively and easily with the automatic safety lock. Available in single shut-off, double shut-off or straight-through versions. The straight-through couplings are equipped with nickel plated sleeves for quick and accurate visual differentiation. The angular connections prevent kinks from forming in the hose.

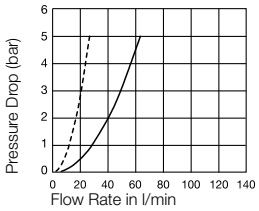
Working Temperature*
-15°C up to +200°C (FKM)
depending on the medium.

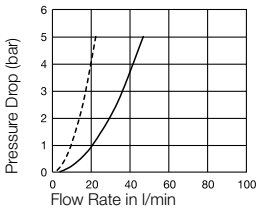
* For temperatures below -15°C and over +200°C and depending on the medium, other seal variants are available.

On request, series 10/11 with safety lock are also available with a special FFKM high-temperature seal for applications up to constant temperature 200°C.

KF Straight-Through	KA Single Shut-Off	KB Double Shut-Off
Working Pressure**		
15 bar ** maximum static working pressure with design factor 4 to 1.	15 bar	15 bar
Material		
Coupling: Brass **Plug:** Brass, Stainless Steel **Seals:** FKM	**Coupling:** Brass **Plug:** Brass, Stainless Steel **Seals:** FKM	**Coupling:** Brass **Plug:** Brass **Seals:** FKM
Flow diagrams		
Water	**Water**	**Water**

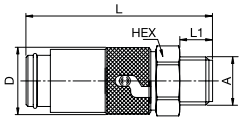
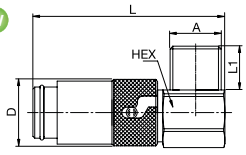
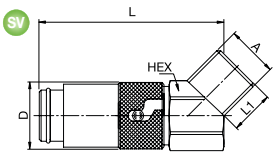
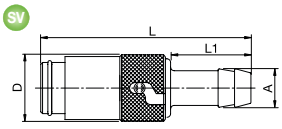
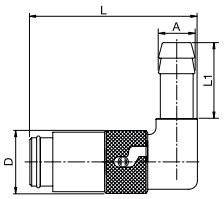
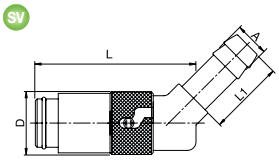






Series 10
Series 11

Couplings – without valve — Series 10/11

	DN	Series	Connection A	HEX mm	L mm	L1 mm	D mm	Part Number
SV  Male Thread	6	10	G 1/4	17	51	9	18	10KFAW13MVXSV
	6	10	M 14 x 1,5	17	51	9	18	10KFAM14MVXSV
	6	10	G 3/8	19	51	9	18	10KFAW17MVXSV
	9	11	G 1/4	22	59,5	9	23	11KFAW13MVXSV
	9	11	M 16 x 1,5	22	59,5	9	23	11KFAM16MVXSV
	9	11	G 3/8	22	59,5	9	23	11KFAW17MVXSV
	9	11	G 1/2	22	62,5	12	23	11KFAW21MVXSV
SV  Male Thread 90°	6	10	G 1/4	17	52,5	12	18	10KFAR13MVXSV
	6	10	M 14 x 1,5	17	52,5	12	18	10KFAR14MVXSV
	9	11	M 16 x 1,5	22	61,5	12	23	11KFAR16MVXSV
SV  Male Thread 45°	6	10	G 1/4	17	52,5	9	18	10KFAH13MVXSV
	6	10	M 14 x 1,5	17	52,5	9	18	10KFAH14MVXSV
	9	11	M 16 x 1,5	22	61,5	9	23	11KFAH16MVXSV
SV  Hose Barb	6	10	9 mm		57,5	22	18	10KFTF09MVXSV
	9	11	13 mm		68,5	25	23	11KFTF13MVXSV
SV  Hose Barb 90°	6	10	9 mm		48,5	22	18	10KFTR09MVXSV
	9	11	13 mm		56	28	23	11KFTR13MVXSV
SV  Hose Barb 45°	6	10	9 mm		46,5	22	18	10KFTH09MVXSV
	9	11	13 mm		56	28	23	11KFTH13MVXSV

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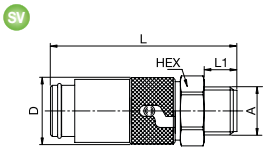
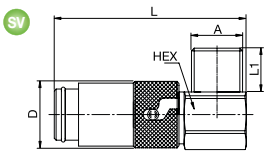
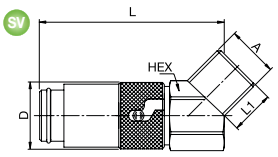
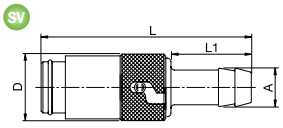
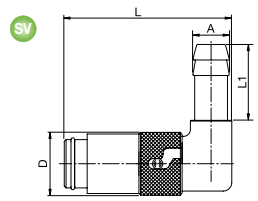
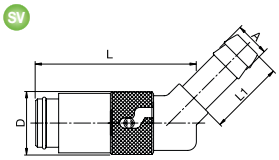
Couplings – with valve — Serie 10/11

	DN	Series	Connection A	HEX mm	L mm	L1 mm	D mm	Part Number
 Male Thread	6	10	G 1/4	17	51	9	18	10KBAW13MVXSV
	6	10	M 14 x 1,5	17	51	9	18	10KBAM14MVXSV
	6	10	G 3/8	19	51	9	18	10KBAW17MVXSV
	9	11	G 1/4	22	59,5	9	23	11KBAW13MVXSV
	9	11	M 16 x 1,5	22	59,5	9	23	11KBAM16MVXSV
	9	11	G 3/8	22	59,5	9	23	11KBAW17MVXSV
	9	11	G 1/2	22	62,5	12	23	11KBAW21MVXSV
 Male Thread 90°	6	10	G 1/4	17	52,5	12	18	10KBAR13MVXSV
	6	10	M 14 x 1,5	17	52,5	12	18	10KBAR14MVXSV
	9	11	M 16 x 1,5	22	61,5	12	23	11KBAR16MVXSV
 Male Thread 45°	6	10	G 1/4	17	52,5	9	18	10KBAH13MVXSV
	6	10	M 14 x 1,5	17	52,5	9	18	10KBAH14MVXSV
	9	11	M 16 x 1,5	22	61,5	9	23	11KBAH16MVXSV
 Hose Barb	6	10	9 mm		57,5	22	18	10KBTF09MVXSV
	9	11	13 mm		68,5	25	23	11KBTF13MVXSV
 Hose Barb 90°	6	10	9 mm		48,5	22	18	10KBTR09MVXSV
	9	11	13 mm		56	28	23	11KBTR13MVXSV
 Hose Barb 45°	6	10	9 mm		46,5	22	18	10KBTH09MVXSV
	9	11	13 mm		56	28	23	11KBTH13MVXSV

The right plug can be found under series 10/11/12 from page 24.

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FRENCH

Nominal Diameter
8/12

Rectus Series
608/612

Technical Description
The 608/612 series (French series) has been specially developed for cooling in the field of plastic injection machines / moulds. Using vertical plug inserts, the cooling connection can be installed directly in the mould / machine, so the external contour has no predruding extension components. This allows easy and safe handling during the work process and prevents damage to the coupling and the mould.

This system is supplied as a "straight-through coupling" with no valves. Coding of the in and outlets can be represented by simple fixing of the coloured clips / rings onto the coupling and plug.

Advantages
The use of the locking balls means that an optimum grip of the plug connection is guaranteed, even with forces that are applied laterally. The simple unlocking mechanism, which is optimised by knurling at the end of the sleeve, can be operated by pulling back once on the sleeve.

Working Temperature*
-15°C up to +200°C (FKM)
depending on the medium.

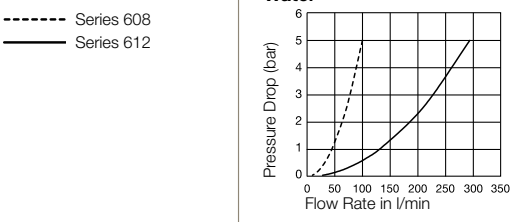
* For temperatures below -15°C and over +200°C and depending on the medium, other seal variants are available.

KF Straight-Through

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

Material
Coupling: Brass nickel plated
Plug: Brass nickel plated
Seals: FKM

Flow diagrams
Water



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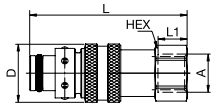
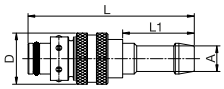
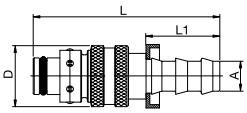
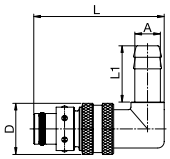
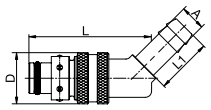
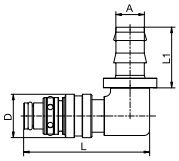
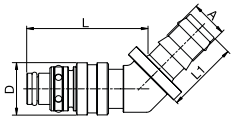
Couplings – without valve — Series 608/612

	DN	Series	Connection A	HEX mm	L mm	L1 mm	D mm	Part Number
 Female Thread	8	608	G 1/4	17	54	10	20	608KFIW13MVN
 Hose Barb	8	608	8 mm		65	28	20	608KFTF08MVN
	8	608	10 mm		65	28	20	608KFTF10MVN
	8	608	12 mm		65	28	20	608KFTF12MVN
	12	612	13 mm		77	33	28	612KFTF13MVN
	12	612	16 mm		77	33	28	612KFTF16MVN
 Push-Lok	8	608	10 mm		61	24	20	608KFTP10MVN
	8	608	13 mm		66,5	28	20	608KFTP13MVN
	12	612	13 mm		77	28	28	612KFTP13MVN
	12	612	16 mm		83	38	28	612KFTP16MVN
 Hose Barb 90°	8	608	10 mm		51	20	20	608KFTR10MVN
	8	608	12 mm		51	20	20	608KFTR12MVN
	12	612	13 mm		59	25	28	612KFTR13MVN
	12	612	16 mm		62	25	28	612KFTR16MVN
 Hose Barb 45°	8	608	10 mm		51	20	20	608KFTH10MVN
	8	608	12 mm		51	20	20	608KFTH12MVN
	12	612	13 mm		55	25	28	612KFTH13MVN
	12	612	16 mm		55	25	28	612KFTH16MVN
 Push-Lok 90°	8	608	10 mm		54,5	24	20	608KFPR10MVN
	8	608	13 mm		58	28	20	608KFPR13MVN
 Push-Lok 45°	8	608	10 mm		44,5	24	20	608KFPH10MVN
	8	608	13 mm		47	28	20	608KFPH13MVN

⚠ Please consider our security advices on the pages 8/9 ⚠

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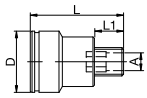
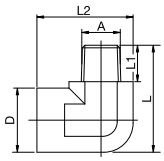
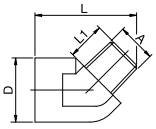
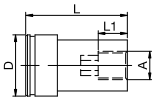
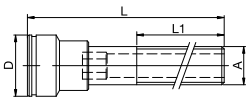
Plugs – without valve — Series 608/612

	DN	Series	Connection A	HEX mm	L mm	L1 mm	L2 mm	D mm	Part Number
	8	608	M 10 x 1	6	32	10		21	608SFAM10MXN
	8	608	G 1/8	6	32	10		21	608SFAW10MXN
	8	608	G 1/4	8	33	12		21	608SFAW13MXN
	8	608	G 3/8	8	24	13		21	608SFAW17MXN
	12	612	G 3/8	10	41	13		32	612SFAW17MXN
	12	612	G 1/2	14	44	16		32	612SFAW21MXN
Male Thread	12	612	G 3/4	14	32	19		32	612SFAW26MXN
	8	608	R 1/8		34	11	33	22	608SFAR10MXN
	8	608	G 1/4		37	13	33	22	608SFAR13MXN
	8	608	G 3/8		37	13	33	22	608SFAR17MXN
Male Thread 90°									
	8	608	R 1/8		33	10,5		22	608SFAH10MXN
	8	608	R 1/4		35	13		22	608SFAH13MXN
Male Thread 45°									
	6	608	G 1/8	6	35	10		21	608SFIW10MXN
	6	608	G 1/4	8	40	14		21	608SFIW13MXN
	12	612	G 3/8	12	49	14		32	612SFIW17MXN
	12	612	G 1/2	12	50	14		32	612SFIW21MXN
Female Thread									

Extension Plugs – without valve — Series 608/612

	DN	Series	Connection A	HEX mm	L mm	L1 mm	D mm	Part Number
	8	608	G 1/8	6	50	28	21	608VN1005MXN
	8	608	G 1/8	6	100	60	21	608VN1010MXN
	8	608	G 1/8	6	150	60	21	608VN1015MXN
	8	608	G 1/4	8	50	28	21	608VN1305MXN
	8	608	G 1/4	8	100	60	21	608VN1310MXN
	8	608	G 1/4	8	150	60	21	608VN1315MXN
Male Thread	8	608	G 1/4	8	200	60	21	608VN1320MXN

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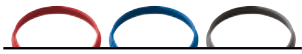
Color Clip for Couplings — Series 608/612

DN	Series	Connection A	Color	Part Number
8	608	Clip for Coupling	red	DHX608KXXKXR
8	608	Clip for Coupling	blue	DHX608KXXKXB
8	608	Clip for Coupling	black	DHX608KXXKXS
12	612	Clip for Coupling	red	DHX612KXXKXR
12	612	Clip for Coupling	blue	DHX612KXXKXB
12	612	Clip for Coupling	black	DHX612KXXKXS

Color Clip for Plugs — Series 608/612



DN	Series	Connection A	Color	Part Number
8	608	Clip for Plug	red	DHX608SXXKXR
8	608	Clip for Plug	blue	DHX608SXXKXB
8	608	Clip for Plug	black	DHX608SXXKXS
12	612	Clip for Plug	red	DHX612SXXKXR
12	612	Clip for Plug	blue	DHX612SXXKXB
12	612	Clip for Plug	black	DHX612SXXKXS

⚠ Please consider our security advices on the pages 8/9 ⚠

FRENCHMATIC I

Nominal Diameter
6/9/12/16

Rectus Series
6006/6009/6012/6016

Technical Description
This range of couplings was constructed with valves as an alternative to the French profiles.
All four nominal diameters in our Frenchmatic I range are available with single and double shut-off.

Advantages
The locking balls guarantee an optimum hold by the insert connection even with forces acting from the side. Optimum flow rate with absolute minimal flow resistance.

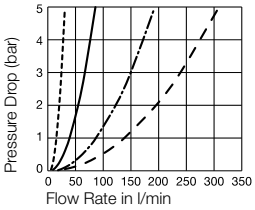
Working Temperature*
-15°C up to +200°C (FKM)
depending on the medium.

* For temperatures below -15°C and over +200°C and depending on the medium, other seal variants are available.

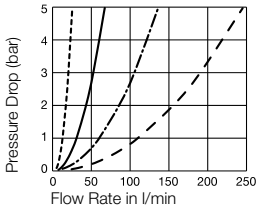
KA Single Shut-Off	KB Double Shut-Off
Working Pressure**	
20 bar ** maximum static working pressure with design factor 4 to 1.	15 bar
Material	
Coupling: Brass nickel plated **Plug:** Brass nickel plated (6006-6012), Steel zinc plated (6016) **Seals:** FKM	**Coupling:** Brass nickel plated **Plug:** Brass nickel plated (6006-6012), Steel zinc plated (6016) **Seals:** FKM

Flow diagrams

Water



Water



Series 6006
Series 6009
Series 6012
Series 6016

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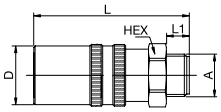
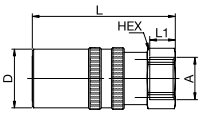
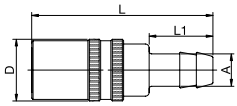
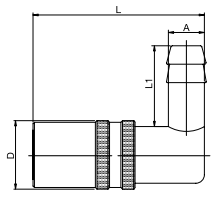
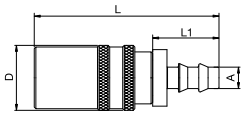
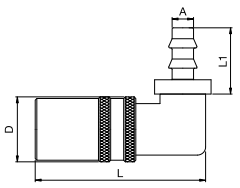
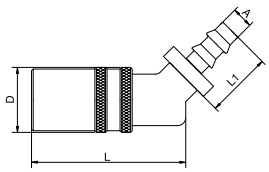
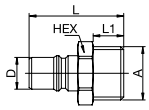
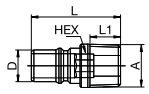
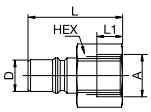
Couplings – with valve — Series 6006/6009/6012/6016

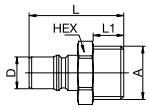
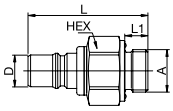
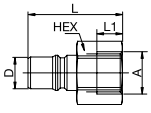
	DN	Series	Connection A	HEX mm	L mm	L1 mm	D mm	Part Number
 Male Thread	9	6009	G 3/8	22	61	9	24	6009KBAW17MVN
	12	6012	G 1/2	30	74,5	12	32	6012KBAW21MVN
	16	6016	G 3/4	34	90,5	16	38	6016KBAW26MVN
 Female Thread	9	6009	G 3/8	21	56	10	24	6009KBIW17MVN
	12	6012	G 1/2	30	59,5	12	32	6012KBIW21MVN
	16	6016	G 3/4	34	90,5	16	38	6016KBIW26MVN
 Hose Barb	9	6009	12 mm		71	25	24	6009KBTF12MVN
	12	6012	16 mm		90,5	32	32	6012KBTF16MVN
	16	6016	19 mm		112,5	36	38	6016KBTF19MVN
 Hose Barb 90°	9	6009	10 mm		60,5	22	24	6009KBTR10MVN
	9	6009	12 mm		60,5	28,5	24	6009KBTR12MVN
 Push-Lok	9	6009	10 mm		70	24,2	24	6009KBTP10MVN
	9	6009	13 mm		70	27,9	24	6009KBTP13MVN
 Push-Lok 90°	9	6009	10 mm		66	24,2	24	6009KBPR10MVN
	9	6009	13 mm		66	27,9	24	6009KBPR13MVN
 Push-Lok 45°	9	6009	10 mm		60,5	24,2	24	6009KBPH10MVN
	9	6009	13 mm		60,5	27,9	24	6009KBPH13MVN

⚠ Please consider our security advices on the pages 8/9 ⚠

Plug – without valve — Series 6006/6009/6012/6016

	DN	Series	Connection A	HEX mm	L mm	L1 mm	D mm	Version	Part Number
 Male Thread	9	6009	G 1/2	22	37	12	13,8	Brass	6009SFAW21MXN
	12	6012	R 1/2	22	42	17	17,8	Brass	6012SFAK21MXN
	12	6012	G 3/4	27	46	16	17,8	Brass	6012SFAW26MXN
	16	6016	R 3/4	27	59	19	22,4	Brass	6016SFAK26SXZ
 Male Thread with Internal Hexagon	9	6009	R 1/4	8	35	12	13,8	Brass	6009SFAK13MXN
	9	6009	R 3/8	8	35	12	13,8	Brass	6009SFAK17MXN
	12	6012	R 3/8	10	40	12	17,8	Brass	6012SFAK17MXN
 Female Thread	9	6009	G 3/8	22	37	10	13,8	Brass	6009SFIW17MXN
	12	6012	G 1/2	27	45	12	17,8	Brass	6012SFIW21MXN
	16	6016	G 3/4	32	58	16	22,4	Steel	6016SFIW26SXZ

Plug – with valve — Series 6006/6009/6012/6016

	DN	Series	Connection A	HEX mm	L mm	L1 mm	D mm	Version	Part Number
 Male Thread	12	6012	G 3/4	27	46	16	17,8	Brass	6012SBAW26MVN
	9	6009	G 1/4	19	49	9	13,8	Brass	6009SBAO13MVN
	9	6009	G 3/8	24	47	9	13,8	Brass	6009SBAO17MVN
	9	6009	G 1/2	27	50	12	13,8	Brass	6009SBAO21MVN
	12	6012	G 3/8	24	61	9	17,8	Brass	6012SBAO17MVN
	12	6012	G 1/2	27	62	12	18,8	Brass	6012SBAO21MVN
	12	6012	G 3/4	34	64	16	17,8	Brass	6012SBAO26MVN
 Male Thread with additional Seal	16	6016	G 3/4	34	81	16	22,4	Steel	6016SBAO26SVZ
	9	6009	G 1/4	19	46	10	13,8	Brass	6009SBIW13MVN
	9	6009	G 3/8	22	48	10	13,8	Brass	6009SBIW17MVN
	16	6016	G 3/4	32	80,5	16	22,4	Steel	6016SBIW26SVZ
 Female Thread									

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FRENCHMATIC II

Nominal Diameter

3/6/9/12

Parker Series

NSI

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

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

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

* For temperatures below -20°C and over +200°C and depending on the medium, other seal variants are available.

Dry-Break

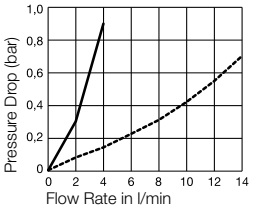
Working Pressure**
60 bar
** maximum static working pressure.

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

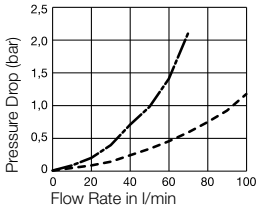
Flow diagrams

DN 3 mm
DN 6 mm
DN 9 mm
DN 12 mm

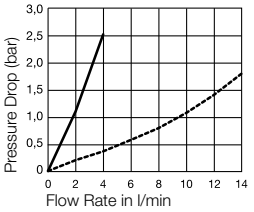
Water (3 and 6 mm)



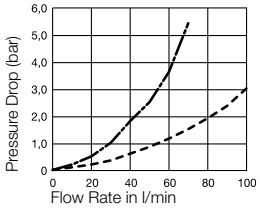
Water (9 and 12 mm)



Oil (3 and 6 mm)



Oil (9 and 12 mm)



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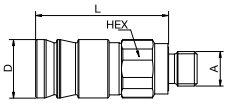
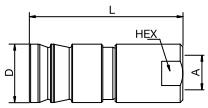
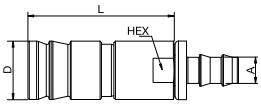
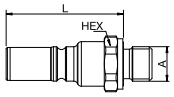
Couplings – flat sealing — Series NSI

	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 – flat sealing — 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 [1]
	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 8/9 ⚠

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Nominal Diameter
6/9/12

Parker Series
NSP

Technical Description
The NSP are dry break couplings with flat face valves. The compact design make them suitable for reduced spaces. Coupling system with single-hand operation.

Advantages
No spillage during connection/disconnection. Push to connect function. Low pressure drop. Specific design for cooling applications. Can be used either with water and heat transfer oils. Excellent resistance to vibrations and mechanical stresses.

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

* For temperatures below -20°C and over +200°C and depending on the medium, other seal variants are available.

Dry-Break

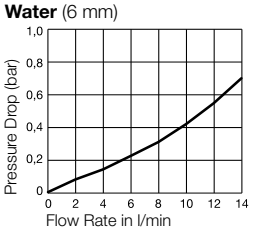
Working Pressure**
60 bar
** maximum static working pressure.

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

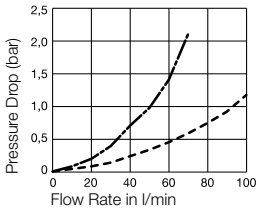
Flow diagrams

Diameter 6 mm
Diameter 9 mm
Diameter 12 mm

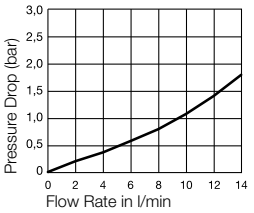
Water (6 mm)



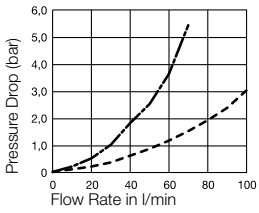
Water (9 und 12 mm)



Oil (6 mm)



Oil (9 und 12 mm)



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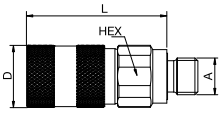
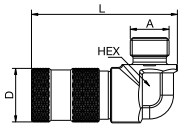
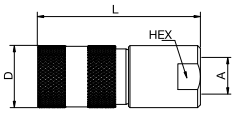
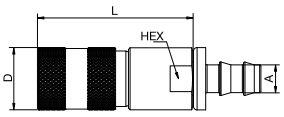
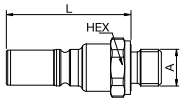
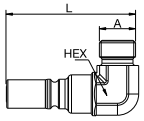
Couplings – flat sealing — Series NSP

	DN	Connection A	HEX mm	L mm	D mm	Part Number
 Male Thread	6	G 1/4	21	49,8	22	NSP-251-4MBE [1]
	6	M 16 x 1,5	20	44,8	22	NSP-251-16MCL [2]
	9	G 3/8	27	63	30	NSP-371-6MBO
	12	G 1/2	35	90,4	42	NSP-501-8MBO
 Male Thread 90°	6	M 16 x 1,5	17	59,2	22	NSP-251-C16MCL
 Female Thread	6	G 1/4	20	57,9	22	NSP-251-4FB
	9	G 3/8	27	72	30	NSP-371-6FB
	12	G 1/2	35	99,4	42	NSP-501-8FB
 Parker Push-Lok	6	10 mm	20	55,2	22	NSP-251-6PL

Plugs – flat sealing — Series NSI

	DN	Connection A	HEX mm	L mm	D mm	Part Number
 Male Thread	6	G 1/4	19	44		NSI-252-4MBE [1]
	9	G 3/8	24	60,2		NSI-372-6MBO
	12	G 1/2	32	79,1		NSI-502-8MBO
 Male Thread 90°	6	M 16 x 1,5	16	57,8		NSI-252-C16MCL-2

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

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Nominal Diameter
8,1

Rectus Series
93

Technical Description
Modular integrated coupling and plug for installation in multi-coupling systems (series 08). High resilience, low coupling forces and great resistance to liquid media due to the special coating of the coupling body.

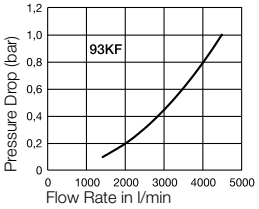
Working Temperature*
-15°C up to +100°C (FKM) depending on the medium.

* For temperatures below -15°C and over +100°C and depending on the medium, other seal variants are available.

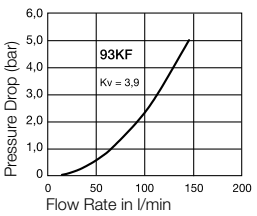
KF Straight-Through	KL Dry-Break
Working Pressure** 15 bar ** maximum static working pressure with design factor 4 to 1.	15 bar
Material **Coupling:** Brass nickel plated, Steel PTFE coated **Plug:** Brass nickel plated, Steel PTFE coated **Seals:** FKM	**Coupling:** Brass nickel plated, Steel PTFE coated **Plug:** Brass nickel plated, Steel PTFE coated **Seals:** FKM

Flow diagrams

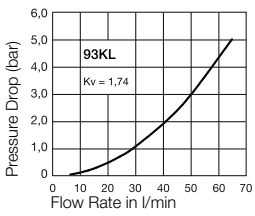
Air



Water



Water



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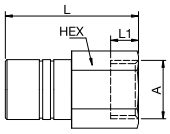
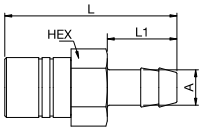
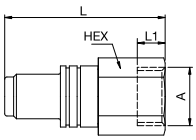
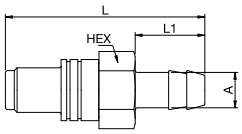
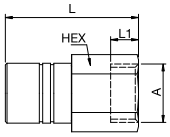
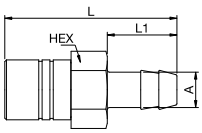
Coupling – without valve — Series 93

	DN	Connection A	HEX mm	L mm	L1 mm	D mm	Part Number
 Female Thread	8,1	G 1/2	24	48	10,1		93KFIW21SVN
 Hose Barb	8,1	13 mm	24	62	17		93KFTF13SVN

Plugs – without valve — Series 93

	DN	Connection A	HEX mm	L mm	L1 mm	D mm	Part Number
 Female Thread	8,1	G 1/2	24	57,5	10,1		93SFIW21SXN
 Hose Barb	8,1	13 mm	24	68,5	25		93SFTF13SXN

Coupling – flat-sealing — Series 93

	DN	Connection A	HEX mm	L mm	L1 mm	D mm	Part Number
 Female Thread	8,1	G 1/2	24	48	10,1		93KLIW21SVN
 Hose Barb	8,1	9 mm	24	54	17		93KLTF09SVN
	8,1	13 mm	24	62	25		93KLTF13SVN

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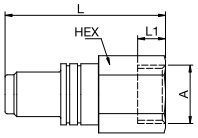
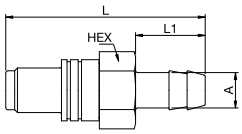
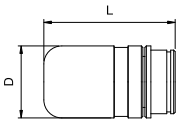
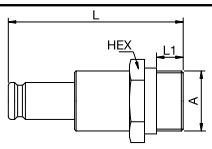
Plugs – flat-sealing — Series 93

	DN	Connection A	HEX mm	L mm	L1 mm	D mm	Part Number
 Female Thread	8,1	G 1/2	24	57,5	10,1		93SLIW21SVN
 Hose Barb	8,1	9 mm	24	63,5	17		93SLTF09SVN
	8,1	13 mm	24	68,5	25		93SLTF13SVN

Locking Coupling and Bolt — Series 94

	DN	Connection A	HEX mm	L mm	L1 mm	D mm	Part Number
 Locking Coupling				45		25	94KX
 Locking Bolt			24	58	13		94SX

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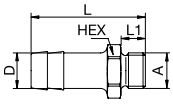
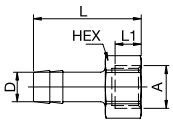
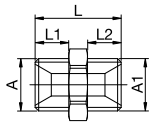
Accessories

Components

Hose Tail Barb

	Connection A	Connection A1	Hex mm	L mm	L1 mm	L2 mm	D mm	D1 mm	D2 mm	Part Number
 Male Thread	M 8 x 0,75		11	33,5	7		9			GT08/09
	M 10 x 1		14	33,5	7		9			GT10/09S_02
	G 1/8		14	33	7		9			GT10/09
	G 1/4		17	35	9		9			GT13/09
	M 12 x 1,5		15	40	9		13			GT12/13S_01
	G 1/4		17	42	9		13			GT13/13
	M 14 x 1,5		17	43	10		13			GT14/13
	M 16 x 1,5		17	40	9		13			GT16/13
	G 3/8		19	42	9		13			GT17/13
	M 24 x 1,5		27	60	16		19			GT24/19
	G 1/2		24	54	12		19			GT21/19
	G 3/4		32	60	16		19			GT26/19
 Female Thread	G 1/8		12	31	6		9			GI10/09
	G 1/4		17	33	8		9			GI13/09
	M 14 x 1,5		17	36	10		9			GI14/09
	G 1/4		17	39	8		13			GI13/13
	M 16 x 1,5		19	43	10,5		13			GI16/13
	G 3/8		19	40	8		13			GI17/13

Male x Male Nipple

	Connection A	Connection A1	Hex mm	L mm	L1 mm	L2 mm	D mm	D1 mm	D2 mm	Part Number
 Male Thread Rectuloc-sealed, knurled Thread	M 14 x 1,5	M 14 x 1,5	17	23	9	9				DN14/14S
	M 14 x 1,5	G 1/4	17	23	9	9				DN13/14S
	G 1/4	G 1/4	17	23	9	9				DN13/13S_09
	M 16 x 1,5	M 16 x 1,5	19	23	9	9				DN16/16S
	M 16 x 1,5	G 3/8	19	23	9	9				DN16/17S
	G 3/8	G 3/8	19	23	9	9				DN17/17S_06
	G 1/2	M 14 x 1,5	22	27	12	9				DN14/21S
	G 1/2	M 16 x 1,5	22	27	12	9				DN16/21S
	G 1/2	G 1/2	22	30	12	12				DN21/21S_08
	M 24 x 1,5	G 1/2	27	36	16	12				DN21/24S
	G 3/4	G 3/4	27	40	16	16				DN26/26S_03
	G 3/4	M 24 x 1,5	27	40	16	16				DN24/26S

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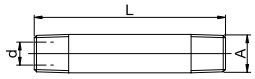
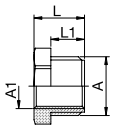
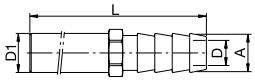
Male x Male Nipple, tapered

	Connection A	Connection A1	Hex mm	L mm	L1 mm	L2 mm	d mm	D1 mm	D2 mm	Part Number
	R 1/8			50			6			DN10K/50SZ
	R 1/8			100			6			DN10K/100SZ
	R 1/8			150			6			DN10K/150SZ
	R 1/8			200			6			DN10K/200SZ
	R 1/4			50			9			DN13K/50SZ
	R 1/4			100			9			DN13K/100SZ
	R 1/4			150			9			DN13K/150SZ
	R 1/4			200			9			DN13K/200SZ
	R 3/8			100			12			DN17K/100SZ
Male Thread	R 3/8			150			12			DN17K/150SZ
	R 3/8			200			12			DN17K/200SZ

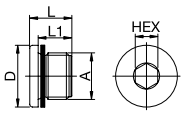
Reducing Bush

	Connection A	Connection A1	Hex mm	L mm	L1 mm	L2 mm	D mm	D1 mm	D2 mm	Part Number
	G 1/4	G1/8	17	11	7					RK10/13S_07
	M 14 x 1,5	M 10 x 1	17	11	7					RKM10/M14S
	G 3/8	G 1/4	19	13	9					RK13/17S_09
	M 18 x 1,5	M 14 x 1,5	22	14	9					RKM14/M18S
	G 1/2	G 3/8	24	18	12					RK17/21S_08
	G 3/4	G 1/2	27	24	16					RK21/26S_08
Male Thread Rectuloc-sealed, knurled Thread	M 24 x 1,5	M 16 x 1,5	27	24	16					RKM16/M24S

Extension Plug

	Connection A	Connection A1	Hex mm	L mm	L1 mm	L2 mm	D mm	D1 mm	D2 mm	Part Number
	10 mm		11	120			6	10		VT09XX12MXX
	10 mm		11	240			8	10		VT09XX24MXX
	13 mm		15	150			9	14		VT13XX15MXX
Hose Barb	13 mm		15	300			9	14		VT13XX30MXX

Blanking Plugs with Internal Hexagon

	Connection A	Connection A1	Hex mm	L mm	L1 mm	L2 mm	D mm	D1 mm	D2 mm	Part Number
	M 10 x 1		5	11	8		14			VZ10MS
	G 1/8		5	11	8		14			VZ10NS
	M 12 x 1,5		6	15	12		17			VZ12MS
	G 1/4		6	15	12		18			VZ13NS
	M 14 x 1,5		6	15	12		19			VZ14MS
Male Thread with Copper-Washer	G 3/8		8	15	12		22			VZ17NS_01
	G 1/2		10	18	14		26			VZ21NS

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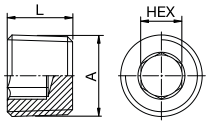
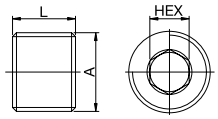
Blanking Plug



Male Thread tapered, with Socket Pipe

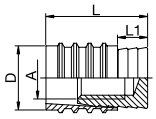
*nickel plated

Connection A	Connection A1	Hex mm	L mm	L1 mm	L2 mm	D mm	D1 mm	D2 mm	Part Number
M 8 x 0,75		4	8						VK08S
M 10 x 1		5	8						VK10S
R 1/8		5	8						VK10N*
M 12 x 1,5		6	8						VK12S
R 1/4		7	10						VK13N*
M 14 x 1,5		7	10						VK14S
R 3/8		8	10						VK17N*
R 1/2		10	10						VK21N*



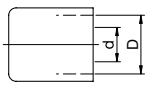
Male Thread cylindrical

Connection A	Connection A1	Hex mm	L mm	L1 mm	L2 mm	D mm	D1 mm	D2 mm	Part Number
M 8 x 0,75		4	8						VZ08MS
M 10 x 1		5	8						VZ10MS_01
G 1/8		5	8						VZ10NS_01
M 12 x 1,5		6	8						VZ12MS_01
G 1/4		7	10						VZ13NS_01
M 14 x 1,5		7	10						VZ14MS_01
G 3/8		8	10						VZ17NS_02
G 1/2		10	10						VZ21NS_01



Connection A	Connection A1	Hex mm	L mm	L1 mm	L2 mm	D mm	D1 mm	D2 mm	Part Number
M 3			11,5	3,5		6			VSS6/M3
M 4			11,5	3,5		8			VSS8/M4
M 6			14	4		10			VSS10/M6
M 6			14	4		12			VSS12/M6
M 8			16	4		16			VSS16/M8

Ferrules



Connection A	Connection A1	d mm	L mm	L1 mm	L2 mm	D mm	D1 mm	D2 mm	Part Number
		11,5				15			QH1510
		11,5				17			QH1610
		13,7				18,5			QH1810
		14,2				19			QH1913
		14,5				20,5			QH2013
		15				21,7			QH2213
		17,5				23,5			QH2313
		22				28,5			QH2919

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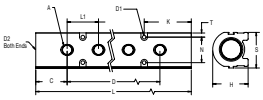
Hose Clips

Spread mm	Height mm	Hex mm	L mm	L1 mm	L2 mm	D mm	D1 mm	D2 mm	Part Number
8-12	8								KA0814
10-16	9								KA1016
12-22	9								KA1222
16-27	9								KA1627
23-35	10								KA2335
30-45	10								KA3045
32-50	13								KA3250

Crimper

Connection A	Connection A1	Hex mm	L mm	L1 mm	L2 mm	D mm	D1 mm	D2 mm	Part Number
						10-36			PM10-36

Manifold Aluminium



Supplied without Couplings

Ports	A	D2	S mm	H mm	D1 mm	L1 mm	C mm	N mm	T mm	K mm	D mm	L mm	Farbe	Part Number
4	G 1/4	G 3/4	43,2	43	4,5	38,1	38,1	31	5	57,2	114,3	190,5	blue	VL26/13AB4
4	G 1/4	G 3/4	43,2	43	4,5	38,1	38,1	31	5	57,2	114,3	190,5	red	VL26/13AR4
6	G 1/4	G 3/4	43,2	43	4,5	38,1	38,1	31	5	57,2	190,5	266,7	blue	VL26/13AB6
6	G 1/4	G 3/4	43,2	43	4,5	38,1	38,1	31	5	57,2	190,5	266,7	red	VL26/13AR6
8	G 1/4	G 3/4	43,2	43	4,5	38,1	38,1	31	5	57,2	266,7	342,9	blue	VL26/13AB8
8	G 1/4	G 3/4	43,2	43	4,5	38,1	38,1	31	5	57,2	266,7	342,9	red	VL26/13AR8
4	G 3/8	G 1	55,9	54,1	7,1	50,8	38,1	40,6	6,9	63,5	152,4	228,6	blue	VL33/17AB4
4	G 3/8	G 1	55,9	54,1	7,1	50,8	38,1	40,6	6,9	63,5	152,4	228,6	red	VL33/17AR4
6	G 3/8	G 1	55,9	54,1	7,1	50,8	38,1	40,6	6,9	63,5	254,0	330,2	blue	VL33/17AB6
6	G 3/8	G 1	55,9	54,1	7,1	50,8	38,1	40,6	6,9	63,5	254,0	330,2	red	VL33/17AR6
8	G 3/8	G 1	55,9	54,1	7,1	50,8	38,1	40,6	6,9	63,5	355,6	431,8	blue	VL33/17AB8
8	G 3/8	G 1	55,9	54,1	7,1	50,8	38,1	40,6	6,9	63,5	355,6	431,8	red	VL33/17AR8

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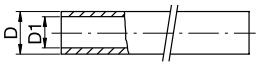
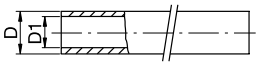
Hoses

EPDM-Hoses



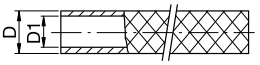
Medium	max. Working Pressure	Temperature Range	D mm	D1 mm	Working Length m	Reference Ferrule	Color	Part Number
Water	20 bar	up to +140°C	16,5	9,5	50	QH1610	blue	MHE1050B
Water	20 bar	up to +140°C	16,5	9,5	50	QH1610	red	MHE1050R
Water	20 bar	up to +140°C	16,5	9,5	50	QH1610	black	MHE1050S
Water	20 bar	up to +140°C	21,5	12,7	50	QH2313	blue	MHE1350B
Water	20 bar	up to +140°C	21,5	12,7	50	QH2313	red	MHE1350R
Water	20 bar	up to +140°C	21,5	12,7	50	QH2313	black	MHE1350S
Water	20 bar	up to +140°C	27	19	30	QH2919	blue	MHE1930B
Water	20 bar	up to +140°C	27	19	30	QH2919	red	MHE1930R
Water	20 bar	up to +140°C	27	19	30	QH2919	black	MHE1930S

PKR-Hoses



Medium	max. Working Pressure	Temperature Range	D mm	D1 mm	Working Length m	Reference Ferrule	Color	Part Number
Oil	28 bar	up to +135°C	15,9	9,5	50	QH1610	black	MHN1050S
Oil	28 bar	up to +135°C	19,8	12,7	50	QH2213	black	MHN1350S

PVC-Hoses



Medium	max. Working Pressure	Temperature Range	D mm	D1 mm	Working Length m	Reference Ferrule	Color	Part Number
Water	15 bar	up to +60°C	16	10	30	QH1610	transparent	MHP1030T
Water	15 bar	up to +60°C	16	10	30	QH1610	blue	MHP1030B
Water	15 bar	up to +60°C	16	10	30	QH1610	red	MHP1030R
Water	15 bar	up to +60°C	19	13	30	QH1913	transparent	MHP1330T
Water	15 bar	up to +60°C	19	13	30	QH1913	blue	MHP1330B
Water	15 bar	up to +60°C	19	13	30	QH1913	red	MHP1330R
Water	15 bar	up to +60°C	27	19	50	QH2919	transparent	MHP1930T

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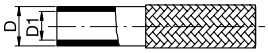
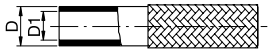
Silicone-Hoses



Medium	max. Working Pressure	Temperature Range	D mm	D1 mm	Working Length m	Reference Ferrule	Color	Part Number
Water	25 bar	up to +170°C	14	9,5	25	QH1510	silver	MHS1025
Water	25 bar	up to +170°C	14	9,5	25	QH1510	blue	MHS1025B
Water	25 bar	up to +170°C	14	9,5	25	QH1510	red	MHS1025R
Water	25 bar	up to +170°C	17,5	13	25	QH1913	silver	MHS1325
Water	25 bar	up to +170°C	17,5	13	25	QH1913	blue	MHS1325B
Water	25 bar	up to +170°C	17,5	13	25	QH1913	red	MHS1325R

FKM-Hoses



Medium	max. Working Pressure	Temperature Range	D mm	D1 mm	Working Length m	Reference Ferrule	Color	Part Number
Oil / Water	15 bar	up to +130°C	23	16	25	QH1510	silver	MHF1025
Oil / Water	15 bar	up to +130°C	26	19	25	QH1913	silver	MHF1325

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Notices

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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

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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
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Paper machinery
Plastics machinery & converting
Primary metals
Semiconductor & electronics
Textile
Wire & cable

Key Products
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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
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