

**MULTICONNECTIONS
BASED ON CUSTOMER
SPECIFICATIONS**

**SERIES
INDUSTRIAL**



► Quick-release couplings and multiconnections for industrial applications



UNI EN ISO 9001
Cert. n° 2905
ISO/TS 16949

► **QUICK-RELEASE COUPLINGS AND MULTICONNECTIONS FOR INDUSTRIAL APPLICATIONS**

► **Features**

Quick-release couplings and multiconnections purposely studied and designed for typical industrial applications.

FFNP, 2FFNP and 3FFNP series

- Quick-release couplings, male part, to be used on Multiconnections.
- Flat-face shut-off valves: easy to clean.
- No spillage during connection and disconnection.
- Polyurethane seals with special profile and easily replaceable.
- Rolled surfaces in sealing area to ensure the lowest roughness.
- Internal components purposely designed to reduce turbulences and consequent pressure drop.
- Great resistance to impulse pressure.
- Wide range of models:
 - **FFNP series** (see at page 6) for big flowrates and minimum pressure drop.
 - **2FFNP series** (see at page 7) for connections under high residual pressure.
 - **3FFNP series** (see at page 8) for connection under working pressure.
- Wide range of threads and connectors.
- Standard versions in carbon steel, zinc plated and Cr III passivated.
- Also available versions completely made of AISI 316 stainless steel.

2FFNB and 2FFNC series

- Quick-release couplings, female part, to be used on Multiconnections.
- Patented single body valve with great resistance to vibrations.
- Polyurethane seal with special profile and chamfered washer.
- Valve locking by semiguides in sintered steel (Faster patent) with great flow section.
- Rolled surfaces in sealing area to ensure the lowest roughness.
- Great resistance to impulse pressure.
- Easy maintenance by seals replacement.
- Wide range of models:
 - **2FFNB series** (see at page 12) for cartridge installation into standard thickness blocks.
 - **2FFNC series** (see at page 13) for standard installation into low thickness blocks.
- Wide range of threads and connectors.
- Standard versions in carbon steel, zinc plated and Cr III passivated.

- Also available versions completely made of AISI 316 stainless steel.

FFC series (page 18)

- Self-aligning quick-release couplings suitable for Multiconnections.
- Front-end recessed installation.
- Total integration, zero interface.
- Patented system for automatic clearances recover on sealing elements.
- Reduced connection strokes.
- Purposely designed to be installed in simple worked housings.
- Flat-face shut-off valves: easy to clean.
- No spillage during connection and disconnection.
- Rolled surfaces in sealing area to ensure the lowest roughness.
- Internal components purposely designed to reduce turbulences and consequent pressure drop.
- Automatic misalignments adjustment during connection.
- Standard versions in AISI 316 stainless steel.
- Standard seals in Viton.

Multiconnections (see page 30)

- Design and production of multiconnections based on Customer specifications.
- Hydraulic, pneumatic and electrical lines.
- Quick-release couplings with Faster technology.

Special couplings

JM and JF series (see pages 22,25)

- Quick-release couplings for direct connection on external (male) threads or into internal (female) threads.
- Ideal for medium and high pressure testing of hydraulic, refrigeration, air-conditioning and automotive products, components and systems.
- Compact and ergonomic design.
- High flow section to minimize pressure drop.
- Versions available with shut-off valve or free flow.
- Hand actuated versions by retracting the sleeve.
- Hand actuated versions "push" type disconnectable by retracting the sleeve.
- Pneumatically actuated versions by acting on the sleeve or by remote control.
- Anodized sleeves in aluminum with possibility of five different colours for lines identification.
- The front seal with special profile is easy to replace.
- Wide range of models, clamping jaws and adaptors threads.
- Standard versions in AISI 316 stainless steel.
- Standard seals in NBR (nitrile rubber).
- Other seals compounds on request.

► **Applications**

- Multiconnection systems for steel industry, plastic moulding, painting, robotics, automotive, tools change, automation.
- Testing systems for engines, hydraulic components, pressurized vessels.

- Before using a new quick-release coupling, please carefully check all data reported in our catalogues.
- Make sure that the coupling is suitable for pressure and flow characteristics requested by the applications.
- Lubricate the seals and perform a connect and disconnect operation in order to check the perfect functioning of the coupling.
- Verify that threads fit and the correctness of their sealing.
- If necessary replace damaged components with **FASTER® original spare parts.**
- **Before any connection and disconnection carefully clean both male and female parts** to prevent dirt inclusions into the circuit and consequent seal damage.



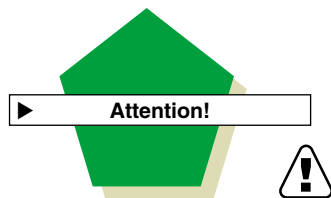
► **Benefits**

- Dramatic time reductions when connecting several hydraulic, electrical or pneumatic lines.
- Ecologically clean: neither fluid spillage nor air inclusion during connection and disconnection.
- Connection allowed even with lines under pressure.
- Ease of cleaning with consequent reduction of dirt inclusions in the circuit.

- **During the first applications of the coupling, be sure that nobody is in the nearby and test the coupling under the maximum working pressure when connected and disconnected.**
- The most critical moment in flat-face couplings takes place during the coupling phase when the valve in the male part moves and causes an internal volume reduction.
- This fact causes a pressure increase due to the oil quantity existing in the plant.
- Furthermore, during that operation, the sealing action of the seal in male part has to shift from the male valve to the female.
- In order to resist to internal stresses, FASTER has designed the male couplings of **2FFNP series**, equipped with a **patented double valve**: no more troubles due to seal extrusion without rigid PTFE covered seals, very sensitive to dirt inclusions.
- **With the new male couplings 3FFNP series, thanks to the patented three internal valves**, it is possible to connect with a pressure of 25 MPa (3625 PSI) in male part with standard female couplings of 2FFNB and 2FFNC series.

► **Recommendations**

- **Improper use and incorrect maintenance of products with high internal working pressures could cause malfunctioning and damage to persons and machines.**
- Therefore it is necessary to carefully conform to the simple instructions included in this catalogue. **For any further information please contact Faster Technical Department.**



Attention!

- If the connection phase is carried out at residual pressure, the required force could be higher than the human one, therefore it is necessary to reduce the internal pressure of the coupling.
- Dirt on male or female part during coupling operations can cause seals damage.
- In order to ensure long service life to the seals it is recommended to carefully clean mating parts, easily and quickly done thanks to coupling flat design.
- In case of seals damage it is necessary to replace them by **FASTER**® original spare parts.
- When disconnected, use suitable **FASTER**® covers to protect couplings from dirt.



Responsibilities

- The recommendations stated in this catalogue do not consider all risk factors in every possible application of **FASTER**® couplings.
- The final choice of the product is under customer's responsibility who has to make the selection according to **FASTER** suggestions.
- The customer has to make sure that all requirements of chosen parts are respected, efficiency is maintained and the end user is informed about use and maintenance operations.
- **FASTER** and its Distributors are not responsible for damages to persons and machines caused by an improper use and an incorrect maintenance of products.
- Increase of products' technical and functional features is **FASTER**'s policy. For that reason all data in this catalogue are not binding. **FASTER** is entitled to modify the specifications without prior notice.

Guarantee

- All **FASTER**® quick-release couplings are designed and produced in conformity with the regulations of Quality Managing System according to **UNI EN ISO 9001** and **UNI ISO/TS 16949 Standards**.
- They bear the **FASTER**® logo to guarantee their origin and reliability.
- **FASTER**® quick-release couplings are distributed worldwide through a network of highly qualified distributors.
- If a **FASTER**® quick-release coupling is connected to a correspondent competitor's type please **check the functionality, the sealing and the resistance to working pressure before using the coupling**.
- **Faster can not assure the performance, quality and connecting tolerances of competitor's types.**
- Malfunctioning or leakages due to the above mentioned cases could cause serious damages to persons and machines.

How to order

- See available item codes in the ordering chart.
- As a further help in defining and selecting the most suitable product for specific application please ask and fill-in with as much information as possible the Product Definition Form (mod. A003) sending it back to **Faster Customer Service**.
- For complex products contact your dealer or directly **Faster Sales Office**.

NEW

▶ NOVELTIES IN THIS CATALOGUE

- 2FFNC series page 13
- JF series page 25
- FFC series page 18
- Multiconnections page 30
- JM series page 22

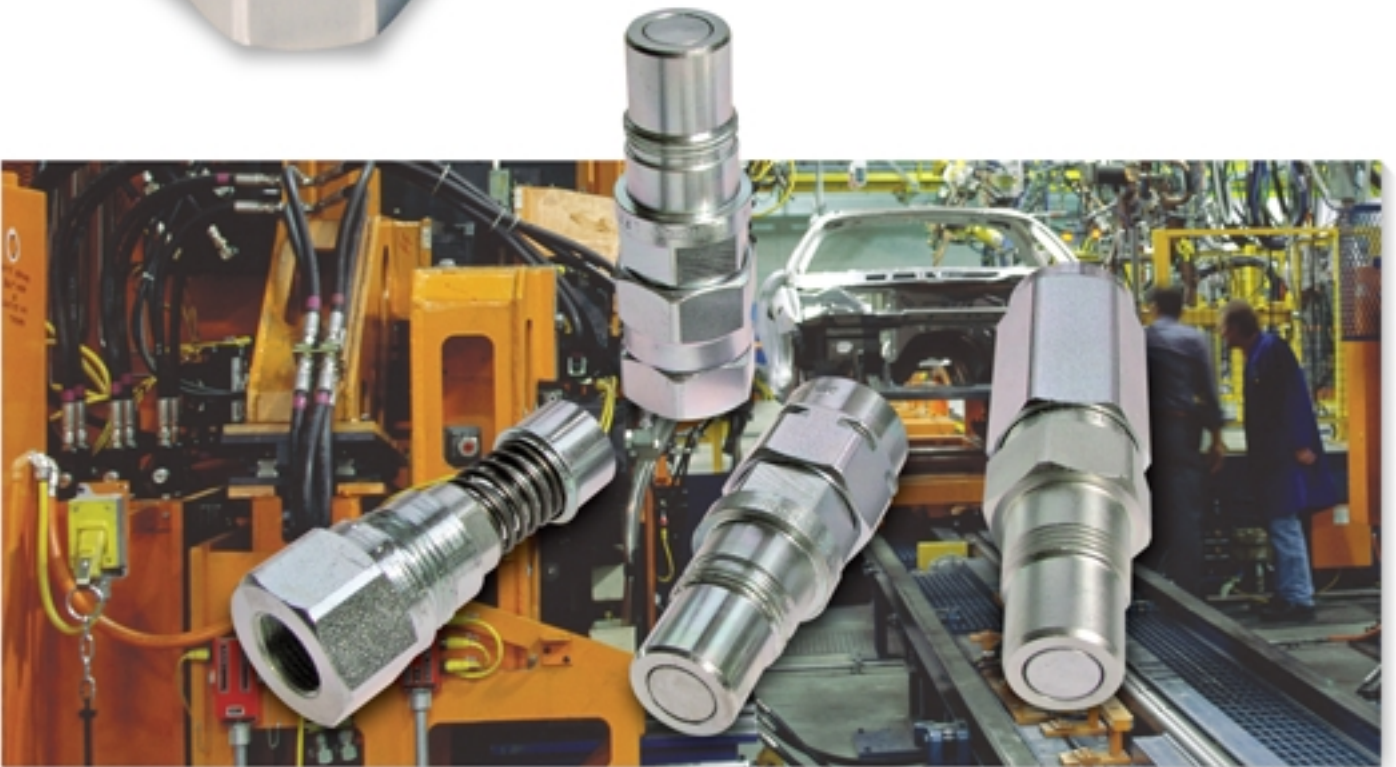


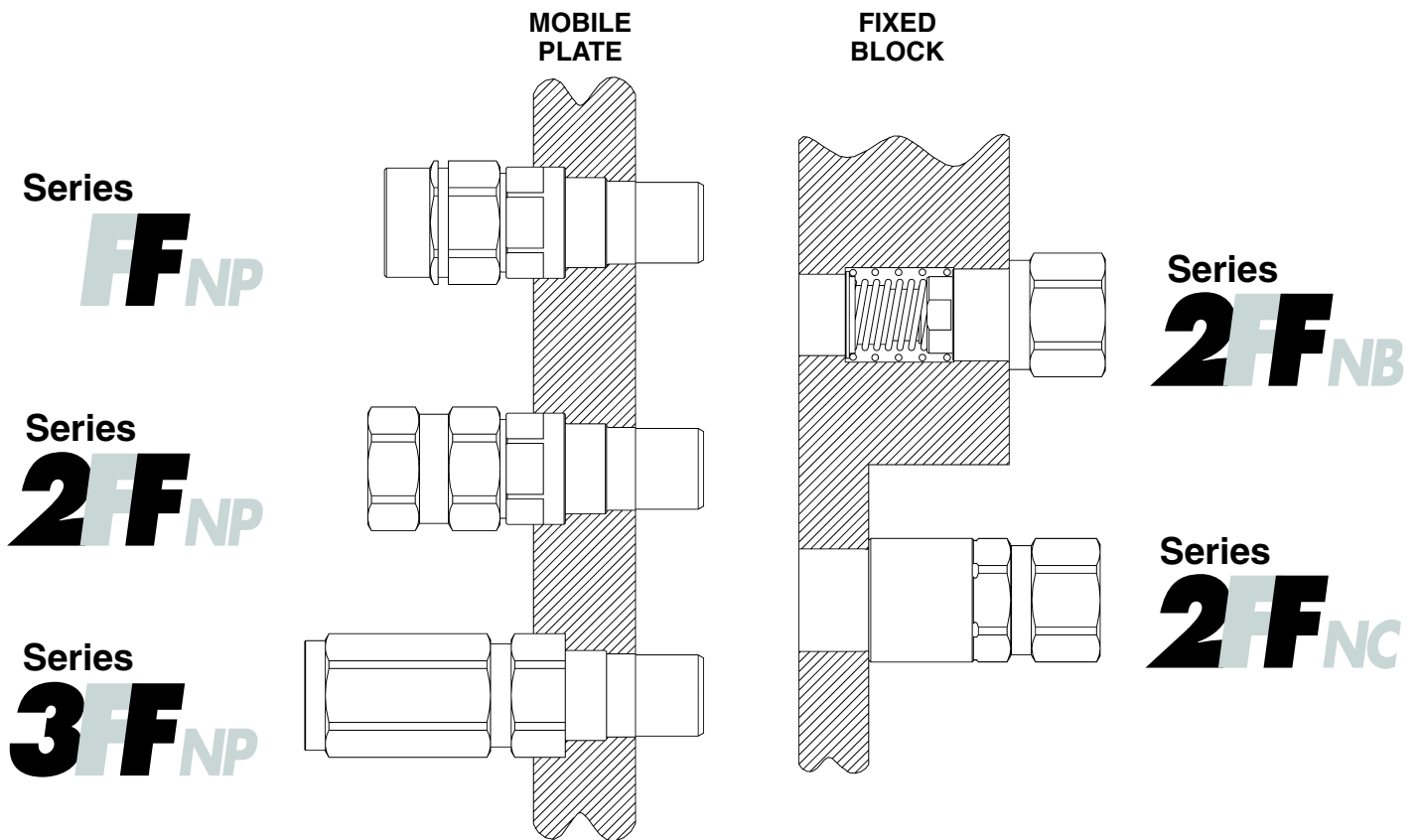
UNI EN ISO 9001
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**Flat-face quick-release
couplings for multiconnections**

Series **F_{NP}** **2F_{NP}** **3F_{NP}** **2F_{NB}** **2F_{NC}**





Quick-release Couplings Male part



Quick-release Couplings Female part



Patent
Applications
Pending

► MALE COUPLINGS FOR PLATES	
Series	Description
FFNP...M	Single valve couplings for big flowrates.
2FFNP...M	Double valve couplings for connection under residual pressure.
3FFNP...M	Three valves couplings for connection under working pressure.

► FEMALE COUPLINGS FOR BLOCKS	
Series	Description
2FFNB...F	Couplings for cartridge installation into standard thickness blocks.
2FFNC...F	Couplings for standard installation into low thickness blocks.

- THESE COUPLINGS ARE INTERCHANGEABLE WITHIN THE SAME SIZE
- AVAILABLE ALSO VERSIONS COMPLETELY MADE OF AISI 316 STAINLESS STEEL

► FFNP...M, 2FFNP...M, 3FFNP...M series

TECHNICAL FEATURES:

Quick-release couplings male part FFNP Series, 2FFNP Series and 3FFNP Series are the excellent results of the great experience achieved thanks to Multifaster products.

FFNP Series couplings are characterized by a very compact design with internal components purposely dimensioned to reduce pressure drop.

For this reason they are suitable, in particular, for return lines in case connection under pressure is not necessary.

These quick-release couplings are also available completely made of AISI 316 stainless steel.

Series **FF**_{NP...M}
2FF_{NP...M}
3FF_{NP...M}



Patent Applications Pending

► Technical data for FFNP Series (with female couplings 2FFNB & 2FFNC Series)

Size ❖	DN Nominal diameter		Rated flow		Flow coefficients		Max. working pressure		Pressure peak		Minimum burst pressure						
	mm	inc	l/min.	GPM	Cv	kv	MPa	PSI	MPa	PSI	Connected		Male		Female		
											MPa	PSI	MPa	PSI	MPa	PSI	
1/4"	04	7	0,27	20	5,29	0,9	13,1	25	3625	35	5075	130	18850	130	18850	100	14500
3/8"	06	9	0,35	68	17,98	3,1	44,8	25	3625	35	5075	100	14500	100	14500	100	14500
1/2"	08	12	0,47	100	26,45	4,6	65,9	25	3625	35	5075	100	14500	100	14500	100	14500
3/4"	12	16	0,63	160	42,33	7,3	105,5	25	3625	35	5075	105	15225	100	14500	100	14500
1"	16	18	0,70	210	55,55	9,6	138,5	25	3625	35	5075	110	15950	100	14500	100	14500
1-1/2"	24	25	0,99	320	84,66	14,7	211	25	3625	35	5075	120	17400	120	17400	100	14500

Size ❖	Max. misalignment (XY plane)		Minimum connection stroke		
	mm	inc	mm	inc	
1/4"	04	0,1	0,004	12	0,47
3/8"	06	0,1	0,004	17	0,67
1/2"	08	0,1	0,004	17	0,67
3/4"	12	0,1	0,004	22	0,87
1"	16	0,1	0,004	24	0,94
1-1/2"	24	0,1	0,004	28	1,1

Max. gap between plates (connected)		Force to connect (without pressure)		Hydrostatic pushing area (connected)		Fluid spillage
mm	inc	N	lb	mm ²	inc ²	cc. max.
0,5	0,02	95	20,9	72	0,11	0,008
0,5	0,02	115	25,3	125	0,19	0,01
0,5	0,02	220	48,5	175	0,27	0,02
0,5	0,02	220	48,5	330	0,51	0,02
0,5	0,02	220	48,5	437	0,68	0,02
0,5	0,02	600	132,2	1238	1,92	0,02

*Safety factor = 1:4 - for static pressure safety factor 1:2

Pressure drop graph:

Test bench to ISO 7241-2 specifications with ISO VG32 oil temperature at 40°C (104°F).

Materials:

Male in zinc plated steel with Cr III passivation.

Springs in C98 steel.

Seals:

Standard in oilproof NBR (Nitrile Rubber) and Polyurethane.

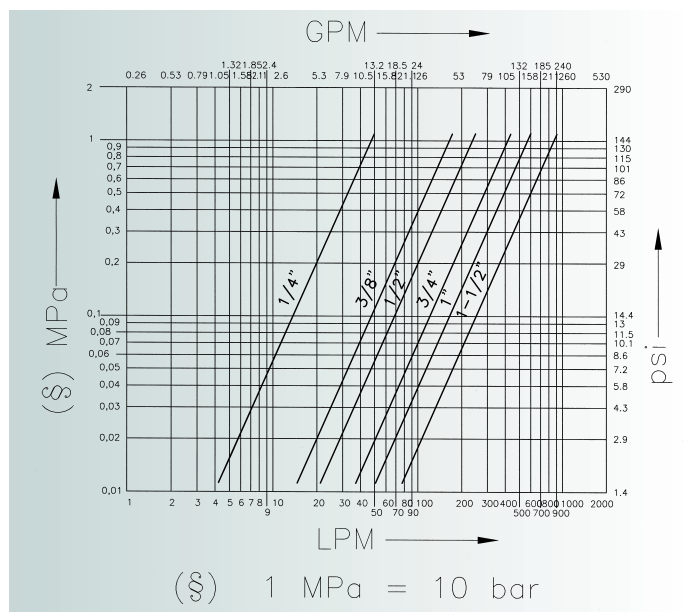
Other compounds on request.

Antiextrusion rings:

In pure PTFE.

Working temperatures:

With standard seals in Polyurethane from -25°C (-13°F) to +100°C (+212°F).





► FFNP...M, 2FFNP...M, 3FFNP...M series

TECHNICAL FEATURES:

Quick-release couplings male part FFNP Series, 2FFNP Series and 3FFNP Series are the excellent results of the great experience achieved thanks to Multifaster products.

2FFNP Series couplings are equipped with an internal double valve allowing connection even under high residual pressure within the system.

These quick-release couplings are also available completely made of AISI 316 stainless steel.

Series **FF** NP...M
2FF NP...M
3FF NP...M



Patent Applications Pending

► Technical data for 2FFNP Series (with female couplings 2FFNB & 2FFNC Series)

Size ❖	DN Nominal diameter		Rated flow		Flow coefficients		Max. working pressure *		Pressure peak		Minimum burst pressure						
	mm	inc	l/min.	GPM	Cv	kv	MPa	PSI	MPa	PSI	Connected		Male		Female		
1/4"	04	7	0.27	18	4,76	0,8	11,8	25	3625	35	5075	130	18850	130	18850	100	14500
3/8"	06	9	0.35	45	11,9	2	29,6	25	3625	35	5075	100	14500	100	14500	100	14500
1/2"	08	12	0.47	72	18,52	3,3	47,4	25	3625	35	5075	100	14500	100	14500	100	14500
3/4"	12	16	0.63	125	33,07	5,7	82,4	25	3625	35	5075	105	15225	100	14500	100	14500

Size ❖	Max. misalignment (XY plane)		Minimum connection stroke		Max. gap between plates (connected)		Force to connect (without pressure)		Max hydrostatic pushing area (during connection)		Hydrostatic pushing area (connected)		Fluid spillage cc. max.	
	mm	inc	mm	inc	mm	inc	N	lb	mm ²	inc ²	mm ²	inc ²		
1/4"	04	0,1	0,004	12	0,47	0,5	0,02	125	27,5	135	0,21	72	0,11	0,008
3/8"	06	0,1	0,004	17	0,67	0,5	0,02	200	44,1	205	0,32	125	0,19	0,01
1/2"	08	0,1	0,004	17	0,67	0,5	0,02	260	57,2	290	0,45	175	0,27	0,02
3/4"	12	0,1	0,004	22	0,87	0,5	0,02	260	57,2	535	0,83	330	0,51	0,02

*Safety factor = 1:4 - for static pressure safety factor 1:2

Pressure drop graph:

Test bench to ISO 7241-2 specifications with ISO VG32 oil temperature at 40°C (104°F).

Materials:

Male in zinc plated steel with Cr III passivation. Springs in C98 steel.

Seals:

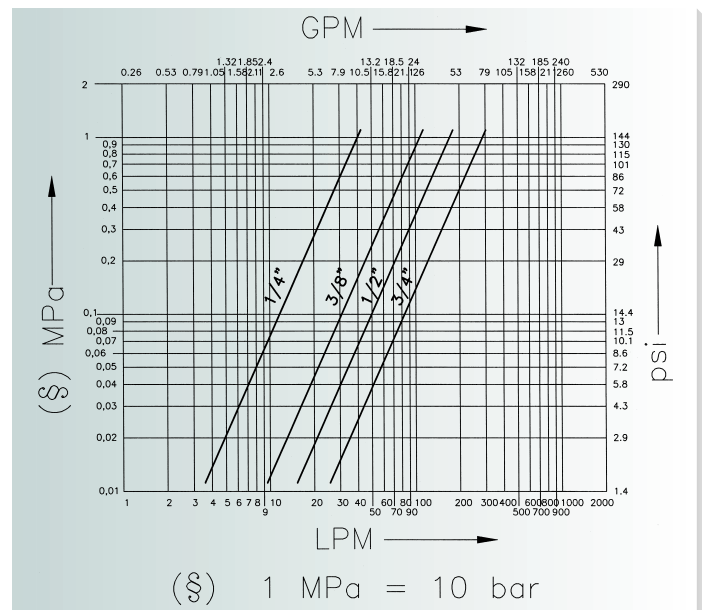
Standard in oilproof NBR (Nitrile Rubber) and Polyurethane. Other compounds on request.

Antiextrusion rings:

In pure PTFE.

Working temperatures:

With standard seals in Polyurethane from -25°C (-13°F) to +100°C (+212°F).





► FFNP...M, 2FFNP...M, 3FFNP...M series

TECHNICAL FEATURES:

Quick-release couplings male part FFNP Series, 2FFNP Series and 3FFNP Series are the excellent results of the great experience achieved thanks to Multifaster products.

Thanks to the patented system with three internal valves, **3FFNP Series** couplings are instead the most suitable product whenever it is necessary to connect the lines under maximum working pressure. These quick-release couplings are also available completely made of AISI 316 stainless steel.

FFNP...M
2FFNP...M
Series **3FFNP...M**



Patent Applications Pending

► Technical data for 3FFNP Series (with female couplings 2FFNB & 2FFNC Series)

Size ❖	DN Nominal diameter		Rated flow		Flow coefficients		Max. working pressure *		Pressure peak		Minimum burst pressure						
	mm	inc	l/min.	GPM	Cv	kv	MPa	PSI	MPa	PSI	Connected		Male		Female		
3/8"	06	9	0,35	45	11,9	2	29,6	25	3625	35	5075	100	14500	100	14500	100	14500
1/2"	08	12	0,47	72	18,52	3,3	47,4	25	3625	35	5075	100	14500	100	14500	100	14500
3/4"	12	16	0,63	105	27,78	4,8	69,2	25	3625	35	5075	105	15225	100	14500	100	14500
1"	16	18	0,70	150	39,68	6,9	98,9	25	3625	35	5075	110	15950	100	14500	100	14500
1-1/2"	24	25	0,99	320	84,66	14,7	211	25	3625	35	5075	120	17400	120	17400	100	14500

Size ❖	Max. misalignment (XY plane)		Minimum connection stroke		Max. gap between plates (connected)		Force to connect (without pressure)		Max hydrostatic pushing area (during connection)		Hydrostatic pushing area (connected)		Fluid spillage cc. max.	
	mm	inc	mm	inc	mm	inc	N	lb	mm ²	inc ²	mm ²	inc ²		
3/8"	06	0,1	0,004	17	0,67	0,5	0,02	270	59,5	1,3	0,02	125	0,19	0,01
1/2"	08	0,1	0,004	17	0,67	0,5	0,02	285	62,8	1,7	0,03	175	0,27	0,02
3/4"	12	0,1	0,004	22	0,87	0,5	0,02	280	61,7	2,1	0,03	330	0,51	0,02
1"	16	0,1	0,004	24	0,94	0,5	0,02	315	69,4	2,5	0,04	437	0,68	0,02
1-1/2"	24	0,1	0,004	28	1,1	0,5	0,02	600	132,2	3,7	0,06	1238	1,92	0,02

*Safety factor = 1:4 - for static pressure safety factor 1:2

Pressure drop graph:

Test bench to ISO 7241-2 specifications with ISO VG32 oil temperature at 40°C (104°F).

Materials:

Male in zinc plated steel with Cr III passivation.

Springs in C98 steel.

Seals:

Standard in oilproof NBR (Nitrile Rubber) and Polyurethane.

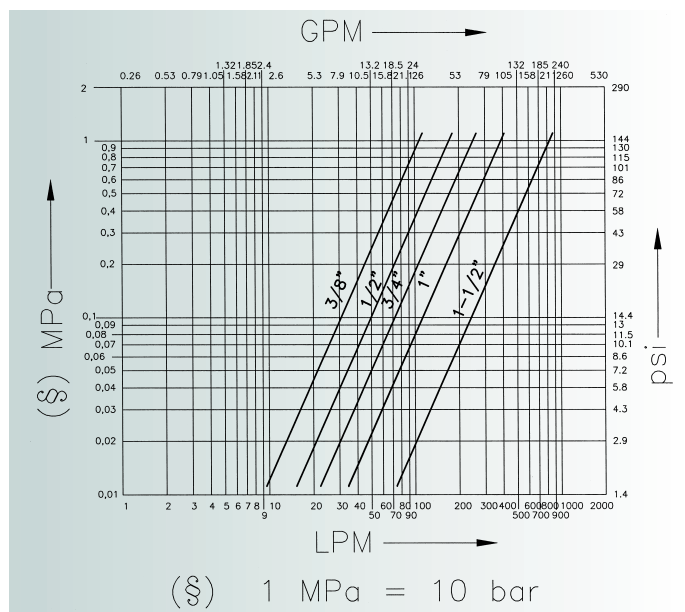
Other compounds on request.

Antiextrusion rings:

In pure PTFE.

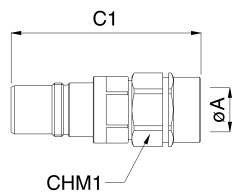
Working temperatures:

With standard seals in Polyurethane from -25°C (-13°F) to +100°C (+212°F).

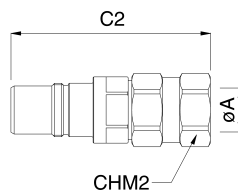


Available items

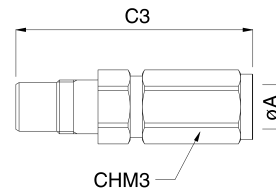
Series **F**_{NP}
 Series **2F**_{NP}
 Series **3F**_{NP}



FFNP...M series



2FFNP...M series



3FFNP...M series



❖	FFNP Male	2FFNP Male	3FFNP Male	Thread Ø A	Standards	C1		C2		C3		CHM1-2		CHM3		Ø T	
						mm	inc.	mm	inc.	mm	inc.	mm	inc.	mm	inc.	mm	inc.
04	*KITFNP14GAS M	KIT2FNP14GAS M	-	1/4" BSP	DIN 3852-2-X	72	2,83	72	2,83	-	-	24	0,94	-	-	-	-
	*KITFNP14NPT M	*KIT2FNP14NPT M	-	1/4" NPT	ANSI B1.20.3	72	2,83	72	2,83	-	-	24	0,94	-	-	-	-
	*KITFNP14-38G M	*KIT2FNP14-38G M	-	3/8" BSP	DIN 3852-2-X	72	2,83	72	2,83	-	-	24	0,94	-	-	-	-
	*KITFNP14-38N M	*KIT2FNP14-38N M	-	3/8" NPT	ANSI B1.20.3	72	2,83	72	2,83	-	-	24	0,94	-	-	-	-
	*KITFNP38GAS M	KIT2FNP38GAS M	KIT3FNP38GAS M	3/8" BSP	DIN 3852-2-X	78	3,07	82	3,23	97	3,82	27	1,06	27	1,06	-	-
	*KITFNP38NPT M	*KIT2FNP38NPT M	*KIT3FNP38NPT M	3/8" NPT	ANSI B1.20.3	78	3,07	82	3,23	97	3,82	27	1,06	27	1,06	-	-
06	*KITFNP38-12G M	KIT2FNP38-12G M	*KIT3FNP38-12G M	1/2" BSP	DIN 3852-2-X	78	3,07	82	3,23	97	3,82	27	1,06	27	1,06	-	-
	*KITFNP38-12N M	KIT2FNP38-12N M	*KIT3FNP38-12N M	1/2" NPT	ANSI B1.20.3	78	3,07	82	3,23	97	3,82	27	1,06	27	1,06	-	-
	*KITFNP12GAS M	KIT2FNP12GAS M	KIT3FNP12GAS M	1/2" BSP	DIN 3852-2-X	87	3,43	87	3,43	121	4,76	32	1,26	34	1,34	-	-
	*KITFNP12NPT M	*KIT2FNP12NPT M	*KIT3FNP12NPT M	1/2" NPT	ANSI B1.20.3	87	3,43	87	3,43	121	4,76	32	1,26	34	1,34	-	-
	*KITFNP12-34G M	KIT2FNP12-34G M	*KIT3FNP12-34G M	3/4" BSP	DIN 3852-2-X	87	3,43	87	3,43	121	4,76	32	1,26	34	1,34	-	-
	*KITFNP12-34N M	*KIT2FNP12-34N M	*KIT3FNP12-34N M	3/4" NPT	ANSI B1.20.3	87	3,43	87	3,43	121	4,76	32	1,26	34	1,34	-	-
12	*KITFNP34GAS M	KIT2FNP34GAS M	KIT3FNP34GAS M	3/4" BSP	DIN 3852-2-X	107	4,21	107	4,21	133	5,24	41	1,61	42	1,65	-	-
	*KITFNP34NPT M	KIT2FNP34NPT M	*KIT3FNP34NPT M	3/4" NPT	ANSI B1.20.3	107	4,21	107	4,21	133	5,24	41	1,61	42	1,65	-	-
	*KITFNP34-1G M	KIT2FNP34-1G M	*KIT3FNP34-1G M	1" BSP	DIN 3852-2-X	107	4,21	107	4,21	133	5,24	41	1,61	42	1,65	-	-
	*KITFNP34-1N M	*KIT2FNP34-1N M	*KIT3FNP34-1N M	1" NPT	ANSI B1.20.3	107	4,21	107	4,21	133	5,24	41	1,61	42	1,65	-	-
16	*KITFNP1GAS M	-	KIT3FNP1GAS M	1" BSP	DIN 3852-2-X	134	5,28	-	-	147	5,79	50	1,97	50	1,97	-	-
	*KITFNP1NPT M	-	*KIT3FNP1NPT M	1" NPT	ANSI B1.20.3	134	5,28	-	-	147	5,79	50	1,97	50	1,97	-	-
24	*KITFNP112GAS M	-	KIT3FNP112GAS M	1-1/2" BSP	DIN 3852-2-X	230	9,06	-	-	220	8,66	80	3,15	70	2,76	-	-
	*KITFNP112NPT M	-	*KIT3FNP112NPT M	1-1/2" NPT	ANSI B1.20.3	230	9,06	-	-	220	8,66	80	3,15	70	2,76	-	-
04	*KITFNP14-14S M	*KIT2FNP14-14S M	-	7/16" UNF	SAE J1926-1	73	2,87	72	2,83	-	-	24	0,94	-	-	-	-
	*KITFNP14-38S M	KIT2FNP14-38S M	-	9/16" UNF	SAE J1926-1	73	2,87	72	2,83	-	-	24	0,94	-	-	-	-
	*KITFNP38-38S M	KIT2FNP38-38S M	KIT3FNP38-38S M	9/16" UNF	SAE J1926-1	82	3,23	82	3,23	97	3,82	27	1,06	27	1,06	-	-
	*KITFNP38-12S M	KIT2FNP38-12S M	KIT3FNP38-12S M	3/4" UNF	SAE J1926-1	82	3,23	82	3,23	97	3,82	27	1,06	27	1,06	-	-
	*KITFNP12-12S M	KIT2FNP12-12S M	KIT3FNP12-12S M	3/4" UNF	SAE J1926-1	92	3,62	92	3,62	121	4,76	34	1,34	34	1,34	-	-
	*KITFNP12-34S M	KIT2FNP12-34S M	KIT3FNP12-34S M	1-1/16" UN	SAE J1926-1	92	3,62	92	3,62	121	4,76	34	1,34	34	1,34	-	-
12	*KITFNP34-34S M	KIT2FNP34-34S M	KIT3FNP34-34S M	1-1/16" UN	SAE J1926-1	107	4,21	107	4,21	133	5,24	41	1,61	42	1,65	-	-
	*KITFNP34-1S M	*KIT2FNP34-1S M	*KIT3FNP34-1S M	1-5/16" UN	SAE J1926-1	107	4,21	107	4,21	133	5,24	41	1,61	42	1,65	-	-
16	*KITFNP1-1S M	-	KIT3FNP1-1S M	1-5/16" UN	SAE J1926-1	134	5,28	-	-	147	5,79	50	1,97	50	1,97	-	-
	*KITFNP1-114S M	-	*KIT3FNP1-114SM	1-5/8" UN	SAE J1926-1	134	5,28	-	-	147	5,79	50	1,97	50	1,97	-	-
24	*KITFNP112-112S M	-	*KIT3FNP112-112S	1-5/8" UN	SAE J1926-1	230	9,06	-	-	220	8,66	80	3,15	70	2,76	-	-
	*KITFNP112-114SM	-	*KIT3FNP112-114S	1-7/8" UN	SAE J1926-1	230	9,06	-	-	220	8,66	80	3,15	70	2,76	-	-
04	*KITFNP14-1/14SM	*KIT2FNP141/14SM	-	7/16" UNF	SAE J1926-3	72	2,83	72	2,83	-	-	24	0,94	-	-	-	-
06	*KITFNP38-1/38SM	*KIT2FNP381/38SM	*KIT3FNP381/38SM	9/16" UNF	SAE J1926-3	75	2,95	78	3,07	98	3,86	27	1,06	27	1,06	-	-
08	*KITFNP12-1/12SM	*KIT2FNP121/12SM	*KIT3FNP121/12SM	3/4" UNF	SAE J1926-3	92	3,62	92	3,62	121	4,76	32	1,26	34	1,34	-	-
12	*KITFNP34-1/34SM	*KIT2FNP341/34SM	*KIT3FNP341/34SM	1-1/16" UN	SAE J1926-3	115	4,53	115	4,53	137	5,39	41	1,61	42	1,65	-	-
16	*KITFNP1-1/16SM	-	*KIT3FNP1-1/16SM	1-5/16" UN	SAE J1926-3	134	5,28	-	-	150	5,91	50	1,97	50	1,97	-	-
24	*KITFNP112-1/MSM	-	*KIT3FNP112-1/MS	1-5/8" UN	SAE J1926-3	230	9,06	-	-	223	8,78	80	3,15	70	2,76	-	-
	*KITFNP112-1/NSM	-	*KIT3FNP112-1/NS	1-7/8" UN	SAE J1926-3	230	9,06	-	-	223	8,78	80	3,15	70	2,76	-	-

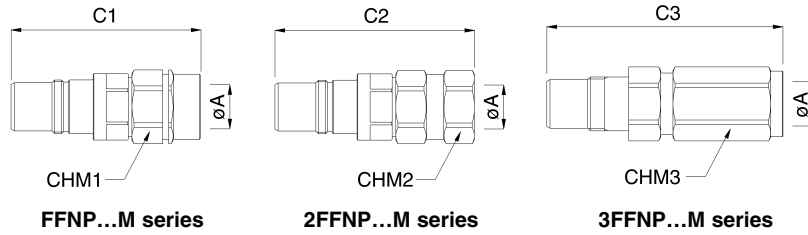
❖ Size GAS=BSP *On request For female couplings see 2FFNB Series (page 12) or 2FFNC Series (page 13)

Follows page 10

Available items



Series **F_{NP}**
 Series **2F_{NP}**
 Series **3F_{NP}**



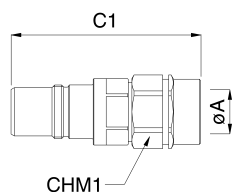
❖	FFNP Male	2FFNP Male	3FFNP Male	Thread Ø A	Standards	C1		C2		C3		CHM1-2		CHM3		Ø T		
						mm	inc.	mm	inc.	mm	inc.	mm	inc.	mm	inc.	mm	inc.	
	04	*KITFNP14-2/14 M	KIT2FNP14-2/14M	-	M14x1.5	ISO 8434-1-L	70	2,76	72	2,83	-	-	24	0,94	-	-	8,2	0,32
		*KITFNP14-2/16 M	*KIT2FNP14-2/16M	-	M16x1.5	ISO 8434-1-L	70	2,76	72	2,83	-	-	24	0,94	-	-	10,2	0,40
	06	*KITFNP38-2/16 M	*KIT2FNP38-2/16M	*KIT3FNP38-2/16M	M16x1.5	ISO 8434-1-L	75	2,95	78	3,07	97	3,82	27	1,06	27	1,06	10,2	0,40
		*KITFNP38-2/18 M	KIT2FNP38-2/18M	KIT3FNP38-2/18M	M18x1.5	ISO 8434-1-L	75	2,95	78	3,07	97	3,82	27	1,06	27	1,06	12,2	0,48
		*KITFNP38-2/20 M	*KIT2FNP38-2/20M	*KIT3FNP38-2/20M	M20x1.5	ISO 8434-1-L	75	2,95	78	3,07	97	3,82	27	1,06	27	1,06	13,5	0,53
		KITFNP38-2/22 M	KIT2FNP38-2/22M	KIT3FNP38-2/22M	M22x1.5	ISO 8434-1-L	75	2,95	78	3,07	97	3,82	27	1,06	27	1,06	15,2	0,60
	08	*KITFNP12-2/18 M	KIT2FNP12-2/18M	KIT3FNP12-2/18M	M18x1.5	ISO 8434-1-L	88	3,46	88	3,46	121	4,76	32	1,26	34	1,34	12,2	0,48
		*KITFNP12-2/20 M	*KIT2FNP12-2/20M	*KIT3FNP12-2/20M	M20x1.5	ISO 8434-1-L	88	3,46	88	3,46	121	4,76	32	1,26	34	1,34	13,5	0,53
		*KITFNP12-2/22 M	KIT2FNP12-2/22M	KIT3FNP12-2/22M	M22x1.5	ISO 8434-1-L	88	3,46	88	3,46	121	4,76	32	1,26	34	1,34	15,2	0,60
		*KITFNP12-2/26 M	*KIT2FNP12-2/26M	*KIT3FNP12-2/26M	M26x1.5	ISO 8434-1-L	88	3,46	88	3,46	121	4,76	32	1,26	34	1,34	18,2	0,72
	12	*KITFNP34-2/22 M	*KIT2FNP34-2/22M	*KIT3FNP34-2/22M	M22x1.5	ISO 8434-1-L	115	4,53	115	4,53	134	5,28	41	1,61	42	1,65	15,2	0,60
		*KITFNP34-2/26 M	*KIT2FNP34-2/26M	*KIT3FNP34-2/26M	M26x1.5	ISO 8434-1-L	115	4,53	115	4,53	134	5,28	41	1,61	42	1,65	18,2	0,72
*KITFNP34-2/30 M		*KIT2FNP34-2/30M	*KIT3FNP34-2/30M	M30x2	ISO 8434-1-L	115	4,53	115	4,53	134	5,28	41	1,61	42	1,65	22,2	0,87	
*KITFNP34-2/36 M		*KIT2FNP34-2/36M	*KIT3FNP34-2/36M	M36x2	ISO 8434-1-L	115	4,53	115	4,53	134	5,28	41	1,61	42	1,65	28,2	1,11	
16	*KITFNP1-2/302 M	-	*KIT3FNP1-2/30 M	M30x2	ISO 8434-1-L	134	5,28	-	-	147	5,79	50	1,97	50	1,97	22,2	0,87	
	*KITFNP1-2/362 M	-	*KIT3FNP1-2/36 M	M36x2	ISO 8434-1-L	134	5,28	-	-	147	5,79	50	1,97	50	1,97	28,2	1,11	
	*KITFNP1-2/522 M	-	*KIT3FNP1-2/52 M	M52x2	ISO 8434-1-L	134	5,28	-	-	147	5,79	50	1,97	50	1,97	42,4	1,67	
24	*KITFNP112-2/36M	-	*KIT3FNP112-2/36	M36x2	ISO 8434-1-L	230	9,06	-	-	220	8,66	80	3,15	70	2,76	28,2	1,11	
	*KITFNP112-2/52M	-	*KIT3FNP112-2/52	M52x2	ISO 8434-1-L	230	9,06	-	-	220	8,66	80	3,15	70	2,76	42,4	1,67	
	04	*KITFNP14-3/20 M	*KIT2FNP14-3/20M	-	M20x1.5	ISO 8434-1-S	70	2,76	72	2,83	-	-	24	0,94	-	-	12,2	0,48
		*KITFNP14-3/22 M	*KIT2FNP14-3/22M	-	M22x1.5	ISO 8434-1-S	70	2,76	72	2,83	-	-	24	0,94	-	-	14,2	0,56
	06	*KITFNP38-3/20 M	KIT2FNP38-3/20M	*KIT3FNP38-3/20M	M20x1.5	ISO 8434-1-S	75	2,95	78	3,07	98	3,86	27	1,06	27	1,06	12,2	0,48
		*KITFNP38-3/22 M	*KIT2FNP38-3/22M	*KIT3FNP38-3/22M	M22x1.5	ISO 8434-1-S	75	2,95	78	3,07	98	3,86	27	1,06	27	1,06	14,2	0,56
		*KITFNP38-3/24 M	*KIT2FNP38-3/24M	*KIT3FNP38-3/24M	M24x1.5	ISO 8434-1-S	75	2,95	78	3,07	98	3,86	27	1,06	27	1,06	16,2	0,64
		*KITFNP38-3/30 M	*KIT2FNP38-3/30M	*KIT3FNP38-3/30M	M30x2	ISO 8434-1-S	75	2,95	78	3,07	98	3,86	27	1,06	27	1,06	20,2	0,80
	08	*KITFNP12-3/20 M	*KIT2FNP12-3/20M	*KIT3FNP12-3/20M	M20x1.5	ISO 8434-1-S	88	3,46	88	3,46	121	4,76	32	1,26	34	1,34	12,2	0,48
		*KITFNP12-3/22 M	*KIT2FNP12-3/22M	*KIT3FNP12-3/22M	M22x1.5	ISO 8434-1-S	88	3,46	88	3,46	121	4,76	32	1,26	34	1,34	14,2	0,56
		*KITFNP12-3/24 M	KIT2FNP12-3/24M	KIT3FNP12-3/24M	M24x1.5	ISO 8434-1-S	88	3,46	88	3,46	121	4,76	32	1,26	34	1,34	16,2	0,64
		*KITFNP12-3/30 M	*KIT2FNP12-3/30M	*KIT3FNP12-3/30M	M30x2	ISO 8434-1-S	88	3,46	88	3,46	121	4,76	32	1,26	34	1,34	20,2	0,80
		*KITFNP12-3/36 M	*KIT2FNP12-3/36M	*KIT3FNP12-3/36M	M36x2	ISO 8434-1-S	88	3,46	88	3,46	121	4,76	32	1,26	34	1,34	25,2	0,99
	12	*KITFNP34-3/30 M	KIT2FNP34-3/30M	KIT3FNP34-3/30M	M30x2	ISO 8434-1-S	115	4,53	115	4,53	134	5,28	41	1,61	42	1,65	20,2	0,80
		*KITFNP34-3/36 M	*KIT2FNP34-3/36M	*KIT3FNP34-3/36M	M36x2	ISO 8434-1-S	115	4,53	115	4,53	134	5,28	41	1,61	42	1,65	25,2	0,99
		*KITFNP34-3/42 M	*KIT2FNP34-3/42M	*KIT3FNP34-3/42M	M42x2	ISO 8434-1-S	115	4,53	115	4,53	134	5,28	41	1,61	42	1,65	30,2	1,19
		*KITFNP34-3/52 M	*KIT2FNP34-3/52M	*KIT3FNP34-3/52M	M52x2	ISO 8434-1-S	115	4,53	115	4,53	134	5,28	41	1,61	42	1,65	38,4	1,51
	16	*KITFNP1-3/362 M	-	KIT3FNP1-3/36 M	M36x2	ISO 8434-1-S	134	5,28	-	-	147	5,79	50	1,97	50	1,97	25,2	0,99
		*KITFNP1-3/422 M	-	*KIT3FNP1-3/42 M	M42x2	ISO 8434-1-S	134	5,28	-	-	147	5,79	50	1,97	50	1,97	30,2	1,19
		*KITFNP1-3/522 M	-	*KIT3FNP1-3/52 M	M52x2	ISO 8434-1-S	134	5,28	-	-	147	5,79	50	1,97	50	1,97	38,4	1,51
	24	*KITFNP112-3/42M	-	KIT3FNP112-3/42	M42x2	ISO 8434-1-S	230	9,06	-	-	220	8,66	80	3,15	70	2,76	30,2	1,19
		*KITFNP112-3/52M	-	*KIT3FNP112-3/52	M52x2	ISO 8434-1-S	230	9,06	-	-	220	8,66	80	3,15	70	2,76	38,4	1,51

❖ Size GAS=BSP *On request For female couplings see 2FFNB Series (page 12) or 2FFNC Series (page 13)

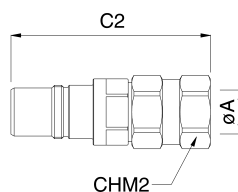
Follows page 11

Available items

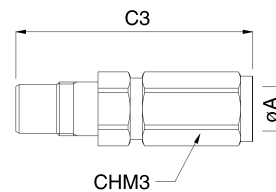
Series **F_{NP}**
 Series **2F_{NP}**
 Series **3F_{NP}**



FFNP...M series



2FFNP...M series



3FFNP...M series



❖	FFNP Male	2FFNP Male	3FFNP Male	Thread Ø A	Standards	C1		C2		C3		CHM1-2		CHM3		Ø T	
						mm	inc.	mm	inc.	mm	inc.	mm	inc.	mm	inc.	mm	inc.
04	*KITFNP1411/14SM	*KIT2FNP1411/14S	-	9/16" UNF	ISO 8434-3	72	2,83	72	2,83	-	-	24	0,94	-	-	-	-
	*KITFNP1411/38SM	*KIT2FNP1411/38S	-	1-1/16" UN	ISO 8434-3	72	2,83	72	2,83	-	-	24	0,94	-	-	-	-
	*KITFNP1411/12SM	*KIT2FNP1411/12S	-	13/16" UN	ISO 8434-3	72	2,83	72	2,83	-	-	24	0,94	-	-	-	-
06	*KITFNP3811/14SM	KIT2FNP3811/14S	*KIT3FNP3811/14S	9/16" UNF	ISO 8434-3	75	2,95	78	3,07	99	3,90	27	1,06	27	1,06	-	-
	*KITFNP3811/38SM	*KIT2FNP3811/38S	KIT3FNP3811/38S	1-1/16" UN	ISO 8434-3	75	2,95	78	3,07	99	3,90	27	1,06	27	1,06	-	-
	*KITFNP3811/12SM	KIT2FNP3811/12S	KIT3FNP3811/12S	13/16" UN	ISO 8434-3	75	2,95	78	3,07	99	3,90	27	1,06	27	1,06	-	-
	*KITFNP3811/58SM	*KIT2FNP3811/58S	*KIT3FNP3811/58S	1" UNS	ISO 8434-3	75	2,95	78	3,07	99	3,90	27	1,06	27	1,06	-	-
08	*KITFNP1211/12SM	KIT2FNP1211/12S	KIT3FNP1211/12S	13/16" UN	ISO 8434-3	92	3,62	92	3,62	123	4,84	32	1,26	34	1,34	-	-
	*KITFNP1211/58SM	KIT2FNP1211/58S	KIT3FNP1211/58S	1" UNS	ISO 8434-3	92	3,62	92	3,62	123	4,84	32	1,26	34	1,34	-	-
	*KITFNP1211/34SM	*KIT2FNP1211/34S	*KIT3FNP1211/34S	1-3/16" UN	ISO 8434-3	92	3,62	92	3,62	123	4,84	32	1,26	34	1,34	-	-
12	*KITFNP3411/12SM	*KIT2FNP3411/12S	*KIT3FNP3411/12S	13/16" UN	ISO 8434-3	115	4,53	115	4,53	137	5,39	41	1,61	42	1,65	-	-
	*KITFNP3411/58SM	*KIT2FNP3411/58S	*KIT3FNP3411/58S	1" UNS	ISO 8434-3	115	4,53	115	4,53	137	5,39	41	1,61	42	1,65	-	-
	*KITFNP3411/34SM	*KIT2FNP3411/34S	KIT3FNP3411/34S	1-3/16" UN	ISO 8434-3	115	4,53	115	4,53	137	5,39	41	1,61	42	1,65	-	-
16	*KITFNP1-11/34SM	-	*KIT3FNP1-11/34S	1-3/16" UN	ISO 8434-3	134	5,28	-	-	149	5,87	50	1,97	50	1,97	-	-
	*KITFNP1-11/1S M	-	KIT3FNP1-11/1S	1-7/16" UN	ISO 8434-3	134	5,28	-	-	149	5,87	50	1,97	50	1,97	-	-
	*KITFNP1-11/MS M	-	*KIT3FNP1-11/MS	1-11/16" UN	ISO 8434-3	134	5,28	-	-	149	5,87	50	1,97	50	1,97	-	-
24	*KITFNP11211/MSM	-	KIT3FNP11211/MS	1-11/16" UN	ISO 8434-1-S	230	9,06	-	-	220	8,66	80	3,15	70	2,76	-	-
	*KITFNP11211/NSM	-	*KIT3FNP11211/NS	2" UN	ISO 8434-1-S	230	9,06	-	-	220	8,66	80	3,15	70	2,76	-	-
04	*KITFNP14-16/14G	*KIT2FNP1416/14G	-	1/4" BSP	DIN 3863	72	2,83	72	2,83	-	-	24	0,94	-	-	-	-
	*KITFNP38-16/38G	KIT2FNP3816/38G	*KIT3FNP3816/38G	3/8" BSP	DIN 3863	75	2,95	78	3,07	98	3,86	27	1,06	27	1,06	-	-
	*KITFNP12-16/12G	*KIT2FNP1216/12G	*KIT3FNP1216/12G	1/2" BSP	DIN 3863	92	3,62	92	3,62	121	4,76	32	1,26	34	1,34	-	-
	*KITFNP34-16/34G	*KIT2FNP3416/34G	*KIT3FNP3416/34G	3/4" BSP	DIN 3863	115	4,53	115	4,53	137	5,39	41	1,61	42	1,65	-	-
	*KITFNP1-16/1GM	-	*KIT3FNP1-16/1G	1" BSP	DIN 3863	134	5,28	-	-	150	5,91	50	1,97	50	1,97	-	-
	*KITFNP112-16/1G	-	*KIT3FNP11216/1G	1-1/2" BSP	DIN 3863	230	9,06	-	-	223	8,78	80	3,15	70	2,76	-	-

❖ Size GAS=BSP *On request For female couplings see 2FFNB Series (page 12) or 2FFNC Series (page 13)

▶ **2FFNB...F series**

TECHNICAL FEATURES:

Also **2FFNB Series** quick-release couplings, female part, are the excellent results of the great experience achieved thanks to Multifaster products.

Purposely designed to be connected and fully interchangeable with male couplings FFNP, 2FFNP and 3FFNP Series, these female couplings are characterized by a very compact design, great robustness and are assembled with internal components dimensioned to minimize pressure drop.

For their installation in the block it is necessary to arrange proper housings according to FASTER specifications.

These quick-release couplings are also available completely made of AISI 316 stainless steel.



Patent
Applications
Pending

2FF_{NB...F}

coupled with

FF_{NP...M}

For technical data with FFNP...M series male couplings
please refer to tables at page 6.

2FF_{NB...F}

coupled with

2FF_{NP...M}

For technical data with 2FFNP...M series male couplings
please refer to tables at page 7.

2FF_{NB...F}

coupled with

3FF_{NP...M}

For technical data with 3FFNP...M series male couplings
please refer to tables at page 8.

▶ 2FFNC...F series

TECHNICAL FEATURES:

2FFNC Series quick-release couplings, female part, directly derive from 2FFNB series and have the same benefits characterizing these couplings.

They are suitable for low thickness blocks and are connectable with male couplings FFNP, 2FFNP and 3FFNP series according to flowrate and connection under pressure requirements.

These quick-release couplings are also available completely made of AISI 316 stainless steel.



Patent
Applications
Pending

2FNC...F coupled with **F**NP...M

For technical data with FFNP...M series male couplings
please refer to tables at page 6.

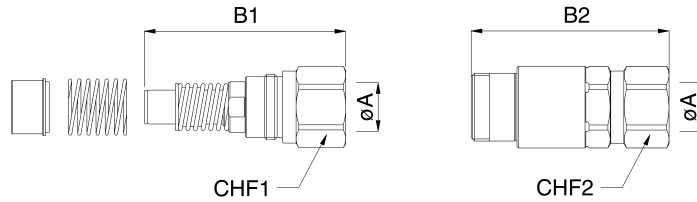
2FNC...F coupled with **2F**NP...M

For technical data with 2FFNP...M series male couplings
please refer to tables at page 7.

2FNC...F coupled with **3F**NP...M

For technical data with 3FFNP...M series male couplings
please refer to tables at page 8.

Series **2F_{NB}**
Series **2F_{NC}**



2FFNB...F series

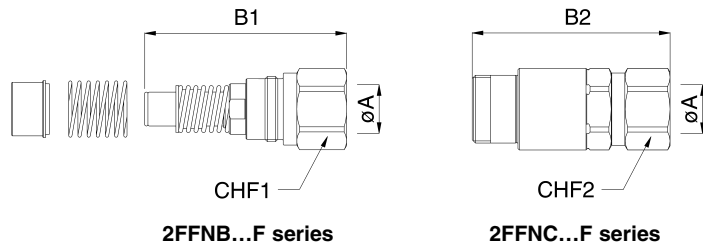
2FFNC...F series

❖	2FFNB Female	2FFNC Female	Thread Ø A	Standards	B1		B2		CHF1		CHF2		Ø T		
					mm	inc.	mm	inc.	mm	inc.	mm	inc.	mm	inc.	
04	KIT2FNB14GAS F	*KIT2FNC14GAS F	1/4" BSP	DIN 3852-2-X	58	2,28	58	2,28	24	0,94	24	0,94	-	-	
	*KIT2FNB14NPT F	*KIT2FNC14NPT F	1/4" NPT	ANSI B1.20.3	58	2,28	58	2,28	24	0,94	24	0,94	-	-	
	*KIT2FNB14-38G F	*KIT2FNC14-38G F	3/8" BSP	*DIN 3852-2-X	58	2,28	58	2,28	24	0,94	24	0,94	-	-	
	*KIT2FNB14-38N F	*KIT2FNC14-38N F	3/8" NPT	ANSI B1.20.3	58	2,28	58	2,28	24	0,94	24	0,94	-	-	
	06	KIT2FNB38GAS F	KIT2FNC38GAS F	3/8" BSP	DIN 3852-2-X	73	2,87	73	2,87	27	1,06	27	1,06	-	-
		KIT2FNB38NPT F	*KIT2FNC38NPT F	3/8" NPT	ANSI B1.20.3	73	2,87	73	2,87	27	1,06	27	1,06	-	-
		KIT2FNB38-12G F	*KIT2FNC38-12G F	1/2" BSP	DIN 3852-2-X	75	2,95	75	2,95	27	1,06	27	1,06	-	-
		KIT2FNB38-12N F	*KIT2FNC38-12N F	1/2" NPT	ANSI B1.20.3	75	2,95	75	2,95	27	1,06	27	1,06	-	-
	08	KIT2FNB12GAS F	KIT2FNC12GAS F	1/2" BSP	DIN 3852-2-X	81	3,19	81	3,19	30	1,18	30	1,18	-	-
		KIT2FNB12NPT F	*KIT2FNC12NPT F	1/2" NPT	ANSI B1.20.3	81	3,19	81	3,19	30	1,18	30	1,18	-	-
		KIT2FNB12-34G F	*KIT2FNC12-34G F	3/4" BSP	DIN 3852-2-X	81	3,19	81	3,19	30	1,18	30	1,18	-	-
		*KIT2FNB12-34N F	*KIT2FNC12-34N F	3/4" NPT	ANSI B1.20.3	81	3,19	81	3,19	30	1,18	30	1,18	-	-
12	KIT2FNB34GAS F	*KIT2FNC34GAS F	3/4" BSP	DIN 3852-2-X	101	3,98	101	3,98	41	1,61	41	1,61	-	-	
	KIT2FNB34NPT F	*KIT2FNC34NPT F	3/4" NPT	ANSI B1.20.3	101	3,98	101	3,98	41	1,61	41	1,61	-	-	
	KIT2FNB34-1G F	*KIT2FNC34-1G F	1" BSP	DIN 3852-2-X	101	3,98	101	3,98	41	1,61	41	1,61	-	-	
	*KIT2FNB34-1N F	*KIT2FNC34-1N F	1" NPT	ANSI B1.20.3	101	3,98	101	3,98	41	1,61	41	1,61	-	-	
16	KIT2FNB1GAS F	KIT2FNC1GAS F	1" BSP	DIN 3852-2-X	100	3,94	100	3,94	50	1,97	50	1,97	-	-	
	*KIT2FNB1NPT F	*KIT2FNC1NPT F	1" NPT	ANSI B1.20.3	100	3,94	100	3,94	50	1,97	50	1,97	-	-	
24	KIT2FNB112GAS F	*KIT2FNC112GAS F	1-1/2" BSP	DIN 3852-2-X	122	4,80	122	4,80	70	2,76	70	2,76	-	-	
	*KIT2FNB112NPT F	*KIT2FNC112NPT F	1-1/2" NPT	ANSI B1.20.3	122	4,80	122	4,80	70	2,76	70	2,76	-	-	
04	*KIT2FNB14-14S F	*KIT2FNC14-14S F	7/16" UNF	SAE J1926-1	58	2,28	58	2,28	24	0,94	24	0,94	-	-	
	KIT2FNB14-38S F	*KIT2FNC14-38S F	9/16" UNF	*SAE J1926-1	58	2,28	58	2,28	24	0,94	24	0,94	-	-	
	06	KIT2FNB38-38S F	*KIT2FNC38-38S F	9/16" UNF	SAE J1926-1	75	2,95	75	2,95	27	1,06	27	1,06	-	-
		KIT2FNB38-12S F	*KIT2FNC38-12S F	3/4" UNF	*SAE J1926-1	75	2,95	75	2,95	27	1,06	27	1,06	-	-
	08	KIT2FNB12-12S F	*KIT2FNC12-12S F	3/4" UNF	SAE J1926-1	88	3,46	88	3,46	34	1,34	34	1,34	-	-
		KIT2FNB12-34S F	*KIT2FNC12-34S F	1-1/16" UN	*SAE J1926-1	88	3,46	88	3,46	34	1,34	34	1,34	-	-
	12	KIT2FNB34-34S F	*KIT2FNC34-34S F	1-1/16" UN	SAE J1926-1	102	4,02	102	4,02	50	1,97	50	1,97	-	-
		*KIT2FNB34-1S F	*KIT2FNC34-1S F	1-5/16" UN	*SAE J1926-1	102	4,02	102	4,02	50	1,97	50	1,97	-	-
	16	KIT2FNB1-1S F	*KIT2FNC1-1S F	1-5/16" UN	SAE J1926-1	103	4,06	103	4,06	50	1,97	50	1,97	-	-
		*KIT2FNB1-114SF	*KIT2FNC1-114SF	1-5/8" UN	*SAE J1926-1	103	4,06	103	4,06	50	1,97	50	1,97	-	-
	24	*KIT2FNB112-112S	*KIT2FNC112-112S	1-5/8" UN	SAE J1926-1	123	4,84	123	4,84	70	2,76	70	2,76	-	-
		KIT2FNB112-114S	*KIT2FNC112-114S	1-7/8" UN	*SAE J1926-1	123	4,84	123	4,84	70	2,76	70	2,76	-	-
04	*KIT2FNB141/14SF	*KIT2FNC141/14SF	7/16" UNF	SAE J1926-3	59	2,32	59	2,32	24	0,94	24	0,94	-	-	
	06	*KIT2FNB381/38SF	*KIT2FNC381/38SF	9/16" UNF	SAE J1926-3	74	2,91	74	2,91	27	1,06	27	1,06	-	-
		*KIT2FNB121/12SF	*KIT2FNC121/12SF	3/4" UNF	SAE J1926-3	86	3,39	86	3,39	30	1,18	30	1,18	-	-
	12	*KIT2FNB341/34SF	*KIT2FNC341/34SF	1-1/16" UNF	SAE J1926-3	107	4,21	107	4,21	42	1,65	42	1,65	-	-
	16	*KIT2FNB1-1/1S F	*KIT2FNC1-1/1S F	1-5/16" UN	SAE J1926-3	106	4,17	106	4,17	50	1,97	50	1,97	-	-
	24	*KIT2FNB112-1/MS	*KIT2FNC112-1/MS	1-5/8" UN	SAE J1926-3	127	5,00	127	5,00	70	2,76	70	2,76	-	-
		*KIT2FNB112-1/NS	*KIT2FNC112-1/NS	1-7/8" UN	SAE J1926-3	127	5,00	127	5,00	70	2,76	70	2,76	-	-
04	KIT2FNB14-2/14F	*KIT2FNC14-2/14F	M14x1.5	ISO 8434-1-L	59	2,32	59	2,32	24	0,94	24	0,94	8,2	0,32	
	*KIT2FNB14-2/16F	*KIT2FNC14-2/16F	M16x1.5	ISO 8434-1-L	59	2,32	59	2,32	24	0,94	24	0,94	10,2	0,40	
	06	*KIT2FNB38-2/16F	*KIT2FNC38-2/16F	M16x1.5	ISO 8434-1-L	74	2,91	74	2,91	27	1,06	27	1,06	10,2	0,40
		KIT2FNB38-2/18F	*KIT2FNC38-2/18F	M18x1.5	ISO 8434-1-L	74	2,91	74	2,91	27	1,06	27	1,06	12,2	0,48
		KIT2FNB38-2/20F	*KIT2FNC38-2/20F	M20x1.5	ISO 8434-1-L	74	2,91	74	2,91	27	1,06	27	1,06	13,5	0,53
		*KIT2FNB38-2/22F	*KIT2FNC38-2/22F	M22x1.5	ISO 8434-1-L	74	2,91	74	2,91	27	1,06	27	1,06	15,2	0,60
	08	KIT2FNB12-2/18F	*KIT2FNC12-2/18F	M18x1.5	ISO 8434-1-L	86	3,39	86	3,39	30	1,18	30	1,18	12,2	0,48
		*KIT2FNB12-2/20F	*KIT2FNC12-2/20F	M20x1.5	ISO 8434-1-L	86	3,39	86	3,39	30	1,18	30	1,18	13,5	0,53
		KIT2FNB12-2/22F	*KIT2FNC12-2/22F	M22x1.5	ISO 8434-1-L	86	3,39	86	3,39	30	1,18	30	1,18	15,2	0,60
		KIT2FNB12-2/26F	*KIT2FNC12-2/26F	M26x1.5	ISO 8434-1-L	86	3,39	86	3,39	30	1,18	30	1,18	18,2	0,72
	12	*KIT2FNB34-2/22F	*KIT2FNC34-2/22F	M22x1.5	ISO 8434-1-L	107	4,21	107	4,21	42	1,65	42	1,65	15,2	0,60
		*KIT2FNB34-2/26F	*KIT2FNC34-2/26F	M26x1.5	ISO 8434-1-L	107	4,21	107	4,21	42	1,65	42	1,65	18,2	0,72
*KIT2FNB34-2/30F		*KIT2FNC34-2/30F	M30x2	ISO 8434-1-L	107	4,21	107	4,21	42	1,65	42	1,65	22,2	0,87	
*KIT2FNB34-2/36F		*KIT2FNC34-2/36F	M36x2	ISO 8434-1-L	107	4,21	107	4,21	42	1,65	42	1,65	28,2	1,11	
16	*KIT2FNB1-2/30 F	*KIT2FNC1-2/30 F	M30x2	ISO 8434-1-L	106	4,17	106	4,17	50	1,97	50	1,97	22,2	0,87	
	*KIT2FNB1-2/36 F	*KIT2FNC1-2/36 F	M36x2	ISO 8434-1-L	106	4,17	106	4,17	50	1,97	50	1,97	28,2	1,11	
	*KIT2FNB1-2/52 F	*KIT2FNC1-2/52 F	M52x2	ISO 8434-1-L	106	4,17	106	4,17	50	1,97	50	1,97	42,4	1,67	
24	*KIT2FNB112-2/36	*KIT2FNC112-2/36	M36x2	ISO 8434-1-L	127	5,00	127	5,00	70	2,76	70	2,76	28,2	1,11	
	*KIT2FNB112-2/52	*KIT2FNC112-2/52	M52x2	ISO 8434-1-L	127	5,00	127	5,00	70	2,76	70	2,76	42,4	1,67	

❖ Size GAS=BSP *On request For male couplings see FFNP Series (page 6), 2FFNP Series (page 7), 3FFNP Series (page 8)

Follows page 15

Series **2FF_{NB}**
Series **2FF_{NC}**



2FFNB...F series

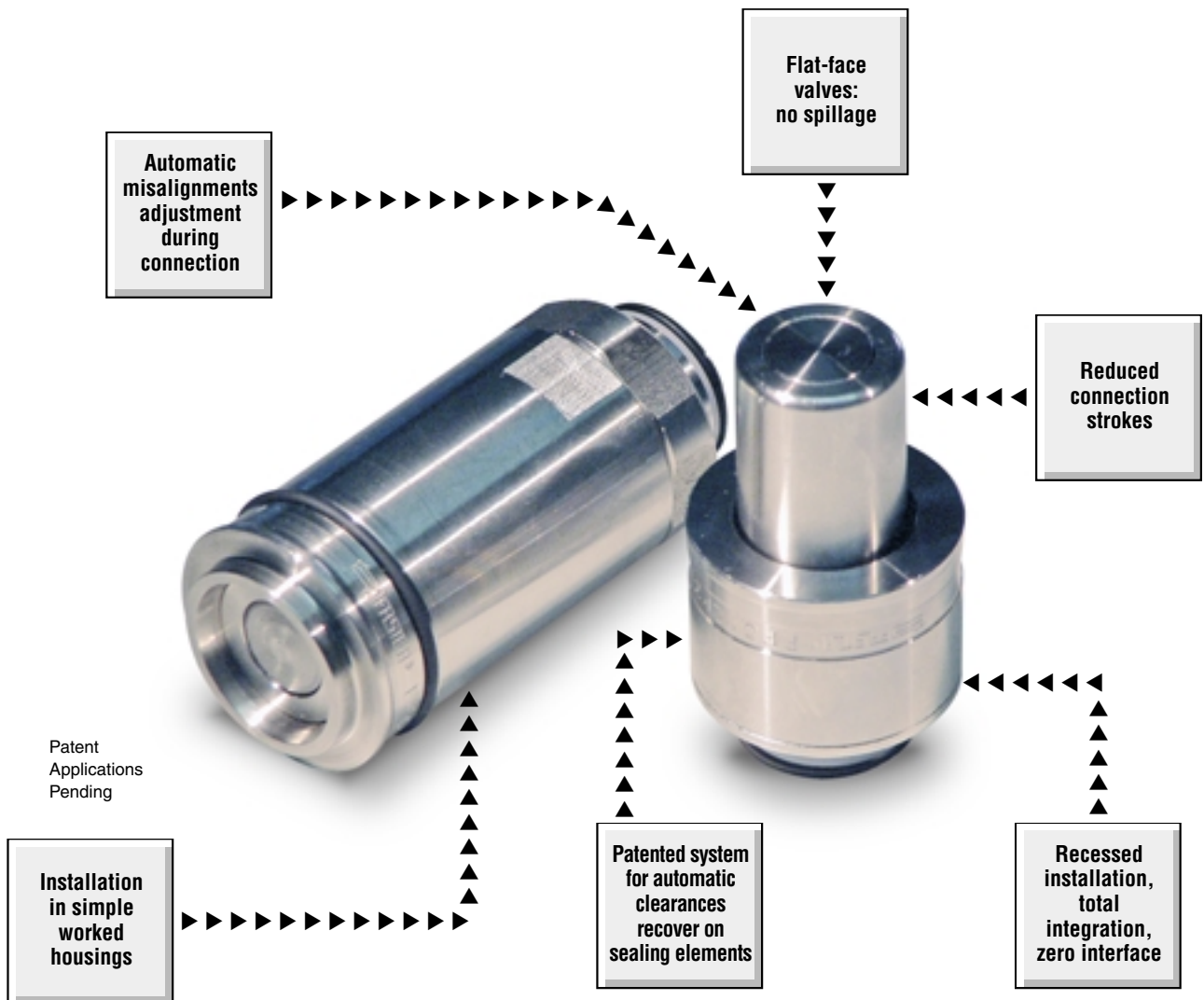
2FFNC...F series

❖	2FFNB Female	2FFNC Female	Thread Ø A	Standards	B1		B2		CHF1		CHF2		Ø T		
					mm	inc.	mm	inc.	mm	inc.	mm	inc.	mm	inc.	
	*KIT2FNB14-3/20F	*KIT2FNC14-3/20F	M20x1.5	ISO 8434-1-S	59	2,32	59	2,32	24	0,94	24	0,94	12,2	0,48	
	*KIT2FNB14-3/22F	*KIT2FNC14-3/22F	M22x1.5	ISO 8434-1-S	59	2,32	59	2,32	24	0,94	24	0,94	14,2	0,56	
	KIT2FNB38-3/20F	*KIT2FNC38-3/20F	M20x1.5	ISO 8434-1-S	74	2,91	74	2,91	27	1,06	27	1,06	12,2	0,48	
	*KIT2FNB38-3/22F	*KIT2FNC38-3/22F	M22x1.5	ISO 8434-1-S	74	2,91	74	2,91	27	1,06	27	1,06	14,2	0,56	
	*KIT2FNB38-3/24F	*KIT2FNC38-3/24F	M24x1.5	ISO 8434-1-S	74	2,91	74	2,91	27	1,06	27	1,06	16,2	0,64	
	*KIT2FNB38-3/30F	*KIT2FNC38-3/30F	M30x2	ISO 8434-1-S	74	2,91	74	2,91	27	1,06	27	1,06	20,2	0,80	
	*KIT2FNB12-3/20F	*KIT2FNC12-3/20F	M20x1.5	ISO 8434-1-S	86	3,39	86	3,39	30	1,18	30	1,18	12,2	0,48	
	*KIT2FNB12-3/22F	*KIT2FNC12-3/22F	M22x1.5	ISO 8434-1-S	86	3,39	86	3,39	30	1,18	30	1,18	14,2	0,56	
	KIT2FNB12-3/24F	*KIT2FNC12-3/24F	M24x1.5	ISO 8434-1-S	86	3,39	86	3,39	30	1,18	30	1,18	16,2	0,64	
	*KIT2FNB12-3/30F	*KIT2FNC12-3/30F	M30x2	ISO 8434-1-S	86	3,39	86	3,39	30	1,18	30	1,18	20,2	0,80	
	*KIT2FNB12-3/36F	*KIT2FNC12-3/36F	M36x2	ISO 8434-1-S	86	3,39	86	3,39	30	1,18	30	1,18	25,2	0,99	
		KIT2FNB34-3/30F	*KIT2FNC34-3/30F	M30x2	ISO 8434-1-S	107	4,21	107	4,21	42	1,65	42	1,65	20,2	0,80
*KIT2FNB34-3/36F		*KIT2FNC34-3/36F	M36x2	ISO 8434-1-S	107	4,21	107	4,21	42	1,65	42	1,65	25,2	0,99	
*KIT2FNB34-3/42F		*KIT2FNC34-3/42F	M42x2	ISO 8434-1-S	107	4,21	107	4,21	42	1,65	42	1,65	30,2	1,19	
*KIT2FNB34-3/52F		*KIT2FNC34-3/52F	M52x2	ISO 8434-1-S	107	4,21	107	4,21	42	1,65	42	1,65	38,4	1,51	
KIT2FNB1-3/36 F		*KIT2FNC1-3/36 F	M36x2	ISO 8434-1-S	106	4,17	106	4,17	50	1,97	50	1,97	25,2	0,99	
*KIT2FNB1-3/42 F		*KIT2FNC1-3/42 F	M42x2	ISO 8434-1-S	106	4,17	106	4,17	50	1,97	50	1,97	30,2	1,19	
	*KIT2FNB1-3/52 F	*KIT2FNC1-3/52 F	M52x2	ISO 8434-1-S	106	4,17	106	4,17	50	1,97	50	1,97	38,4	1,51	
	KIT2FNB112-3/42	*KIT2FNC112-3/42	M42x2	ISO 8434-1-S	127	5,00	127	5,00	70	2,76	70	2,76	30,2	1,19	
	*KIT2FNB112-3/52	*KIT2FNC112-3/52	M52x2	ISO 8434-1-S	127	5,00	127	5,00	70	2,76	70	2,76	38,4	1,51	
		*KIT2FNB1411/14S	*KIT2FNC1411/14S	9/16" UNF	ISO 8434-3	60	2,36	60	2,36	24	0,94	24	0,94	-	-
		*KIT2FNB1411/38S	*KIT2FNC1411/38S	1-1/16" UN	ISO 8434-3	60	2,36	60	2,36	24	0,94	24	0,94	-	-
		*KIT2FNB1411/12S	*KIT2FNC1411/12S	13/16" UN	ISO 8434-3	60	2,36	60	2,36	24	0,94	24	0,94	-	-
		KIT2FNB3811/14S	*KIT2FNC3811/14S	9/16" UNF	ISO 8434-3	80	3,15	80	3,15	27	1,06	27	1,06	-	-
		KIT2FNB3811/38S	*KIT2FNC3811/38S	1-1/16" UN	ISO 8434-3	80	3,15	80	3,15	27	1,06	27	1,06	-	-
		KIT2FNB3811/12S	*KIT2FNC3811/12S	13/16" UN	ISO 8434-3	80	3,15	80	3,15	27	1,06	27	1,06	-	-
		*KIT2FNB3811/58S	*KIT2FNC3811/58S	1" UNS	ISO 8434-3	80	3,15	80	3,15	27	1,06	27	1,06	-	-
		KIT2FNB1211/12S	*KIT2FNC1211/12S	13/16" UN	ISO 8434-3	85	3,35	85	3,35	32	1,26	32	1,26	-	-
		KIT2FNB1211/58S	*KIT2FNC1211/58S	1" UNS	ISO 8434-3	88	3,46	88	3,46	30	1,18	30	1,18	-	-
*KIT2FNB1211/34S		*KIT2FNC1211/34S	1-3/16" UN	ISO 8434-3	85	3,35	85	3,35	32	1,26	32	1,26	-	-	
*KIT2FNB3411/12S		*KIT2FNC3411/12S	13/16" UN	ISO 8434-3	108	4,25	108	4,25	42	1,65	42	1,65	-	-	
*KIT2FNB3411/58S		*KIT2FNC3411/58S	1" UNS	ISO 8434-3	108	4,25	108	4,25	42	1,65	42	1,65	-	-	
KIT2FNB3411/34S		*KIT2FNC3411/34S	1-3/16" UN	ISO 8434-3	108	4,25	108	4,25	42	1,65	42	1,65	-	-	
*KIT2FNB1-11/34S		*KIT2FNC1-11/34S	1-3/16" UN	ISO 8434-3	109	4,29	109	4,29	50	1,97	50	1,97	-	-	
	KIT2FNB1-11/1S	*KIT2FNC1-11/1S	1-7/16" UN	ISO 8434-3	109	4,29	109	4,29	50	1,97	50	1,97	-	-	
	*KIT2FNB1-11/MS	*KIT2FNC1-11/MS	1-11/16" UN	ISO 8434-3	109	4,29	109	4,29	50	1,97	50	1,97	-	-	
	KIT2FNB11211/MS	*KIT2FNC11211/MS	1-11/16" UN	ISO 8434-1-S	130	5,12	130	5,12	70	2,76	70	2,76	-	-	
	*KIT2FNB11211/NS	*KIT2FNC11211/NS	2" UN	ISO 8434-1-S	130	5,12	130	5,12	70	2,76	70	2,76	-	-	
	*KIT2FNB1416/14G	*KIT2FNC1416/14G	1/4" BSP	DIN 3863	60	2,36	60	2,36	24	0,94	24	0,94	-	-	
	KIT2FNB3816/38G	*KIT2FNC3816/38G	3/8" BSP	DIN 3863	83	3,27	83	3,27	27	1,06	27	1,06	-	-	
	*KIT2FNB1216/12G	*KIT2FNC1216/12G	1/2" BSP	DIN 3863	88	3,46	88	3,46	32	1,26	32	1,26	-	-	
	*KIT2FNB3416/34G	*KIT2FNC3416/34G	3/4" BSP	DIN 3863	108	4,25	108	4,25	42	1,65	42	1,65	-	-	
	*KIT2FNB1-16/1G	*KIT2FNC1-16/1G	1" BSP	DIN 3863	109	4,29	109	4,29	50	1,97	50	1,97	-	-	
*KIT2FNB11216/1G	*KIT2FNC11216/1G	1-1/2" BSP	DIN 3863	130	5,12	130	5,12	70	2,76	70	2,76	-	-		

❖ Size GAS=BSP *On request For male couplings see FFNP Series (page 6), 2FFNP Series (page 7), 3FFNP Series (page 8)

Self-aligning flat-face quick-release couplings for multiconnections





In the picture
Series **FFC**

► THE NEW REVOLUTIONARY WAY OF THE QUICK-RELEASE COUPLING

- 1) Automatic misalignments adjustment during connection.
- 2) Patented system for automatic clearances recover on sealing elements.
- 3) Flat-face valves: neither fluid spillage nor air inclusions during connection.
- 4) Installation in simple worked housings.
- 5) Standard versions in AISI 316 stainless steel with Viton seals.

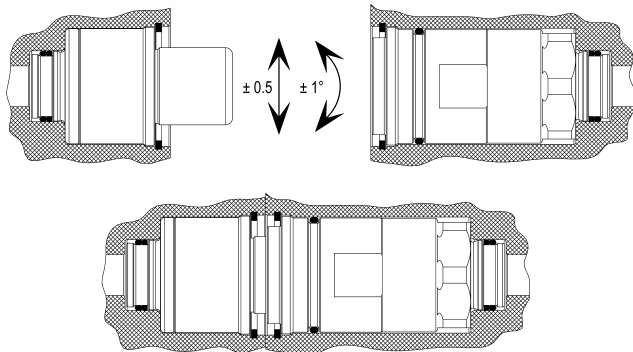
▶ **FFC series**

TECHNICAL FEATURES:

FFC Series quick-release couplings have been purposely designed to be easily applied on multiconnection systems thanks to the front-end recessed installation into suitable housings.

Characterized by flat-face valves, these quick-release couplings are also able to compensate misalignments during connection allowing in the same time, thanks to an internal patented device, the complete recover of clearances on the sealing elements once connection has been achieved.

For safety reasons it is always advisable to connect and disconnect the couplings without pressure in the lines, or with residual pressure lower than 1 MPa.



Patent Applications Pending

▶ **Technical data for FFC Series**

Size ✦	DN Nominal diameter		Rated flow		Flow coefficients		Max. working pressure (connected) *		Minimum burst pressure					
	mm	inc	l/min.	GPM	Cv	kv	MPa	PSI	Connected		Male		Female	
1/8"	02	3,3 0,13	2,5	0,66	0,1	1,6	25	3625	100	14500	100	14500	130	18850
1/4"	04	5,5 0,22	8	2,12	0,3	5,2	32,5	4712	130	18850	150	21750	90	13050
3/8"	06	8,5 0,33	23	6,08	1	15,1	30	4350	120	17400	90	13050	100	14500
1/2"	08	12,5 0,49	35	9,26	1,5	22	45	6525	180	26100	140	20300	80	11600

Size ✦	Max. misalignment (XY plane) (±1° on Z axis)		Minimum connection stroke		Max. gap between plates (connected)		Force to connect (without pressure)		Hydrostatic pushing area (connected)		Fluid spillage cc. max.
	mm	inc	mm	inc	mm	inc	N	lb	mm ²	inc ²	
1/8"	02	± 0,5 ± 0,02	9,5	0,37	0,5	0,02	80	17,62	20	0,031	0,002
1/4"	04	± 0,5 ± 0,02	14	0,55	0,5	0,02	80	17,62	39	0,06	0,002
3/8"	06	± 0,5 ± 0,02	14	0,55	0,5	0,02	110	24,23	73	0,113	0,006
1/2"	08	± 0,5 ± 0,02	9,5	0,37	0,5	0,02	185	40,75	123	0,19	0,006

*Safety factor = 1:4 - for static pressure safety factor 1:2

Pressure drop graph:

Test bench to ISO 7241-2 specifications with ISO VG32 oil temperature at 40°C (104°F).

Materials:

All components are in AISI 316 stainless steel.

Seals:

Standard in Viton.

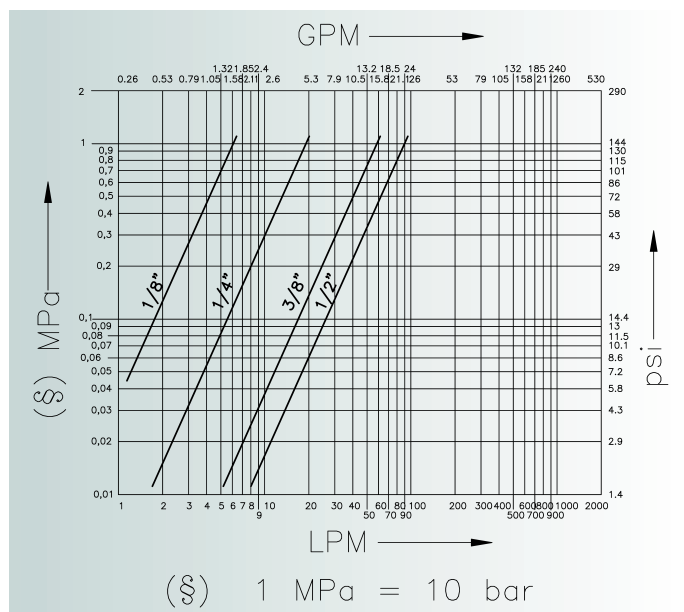
Other compounds on request.

Antiextrusion rings:

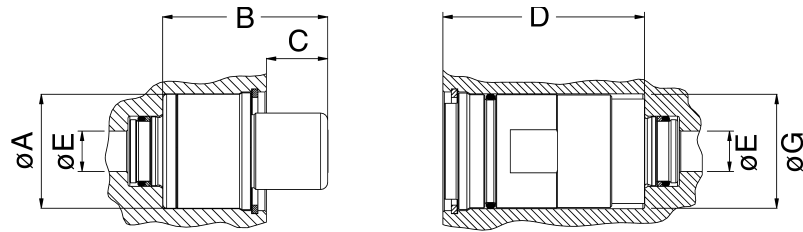
In pure PTFE.

Working temperatures:

with standard seals in Viton from -20°C (-4°F) to +200°C (+392°F).



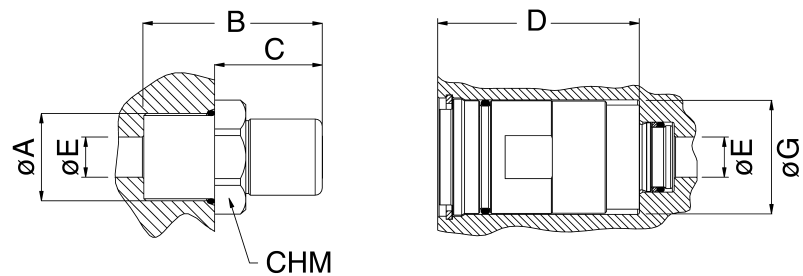
Series **FFC**



Recessed installation

	❖	Female	Male	Ø A		B		C		D		Ø E		Ø G	
				mm	inc.	mm	inc.	mm	inc.	mm	inc.	mm	inc.	mm	inc.
Recessed installation	02	FFC 18 F 2 V	FFC 18 M 2 V	13	0,51	23,9	0,94	9,1	0,36	28,9	1,14	3,3	0,13	13	0,51
	04	FFC 14 F 2 V	FFC 14 M 2 V	19,1	0,75	28,9	1,14	10	0,39	40,4	1,59	5,5	0,22	19	0,75
	06	FFC 38 F 2 V	FFC 38 M 2 V	24,1	0,95	33,5	1,32	11,5	0,45	44	1,73	8,5	0,33	23,7	0,93
	08	FFC 12 F 2 V	FFC 12 M 2 V	32	1,26	48,2	1,90	20	0,79	63,8	2,51	12,5	0,49	31,7	1,25

❖ Size *On request



Screw installation

	❖	Female	Male	Thread Ø A	B		C		D		Ø E		Ø G		CHM	
					mm	inc.	mm	inc.	mm	inc.	mm	inc.	mm	inc.	mm	inc.
Screw installation (male part)	02	FFC 18 F 2 V	*FFC 18-8 M 2 V	M8x1	32	1,26	17	0,67	28,9	1,14	3,3	0,13	13	0,51	13	0,51
	04	FFC 14 F 2 V	*FFC 14-14 M 2 V	M14x1,5	37	1,46	18	0,71	40,4	1,59	5,5	0,22	19	0,75	17	0,67
	06	FFC 38 F 2 V	*FFC 38-18 M 2 V	M18x1,5	42	1,65	20	0,79	44	1,73	8,5	0,33	23,7	0,93	22	0,87
	08	FFC 12 F 2 V	*FFC 12-24 M 2 V	M24x1,5	57	2,24	28	1,10	63,8	2,51	12,5	0,49	31,7	1,25	27	1,06

❖ Size *On request

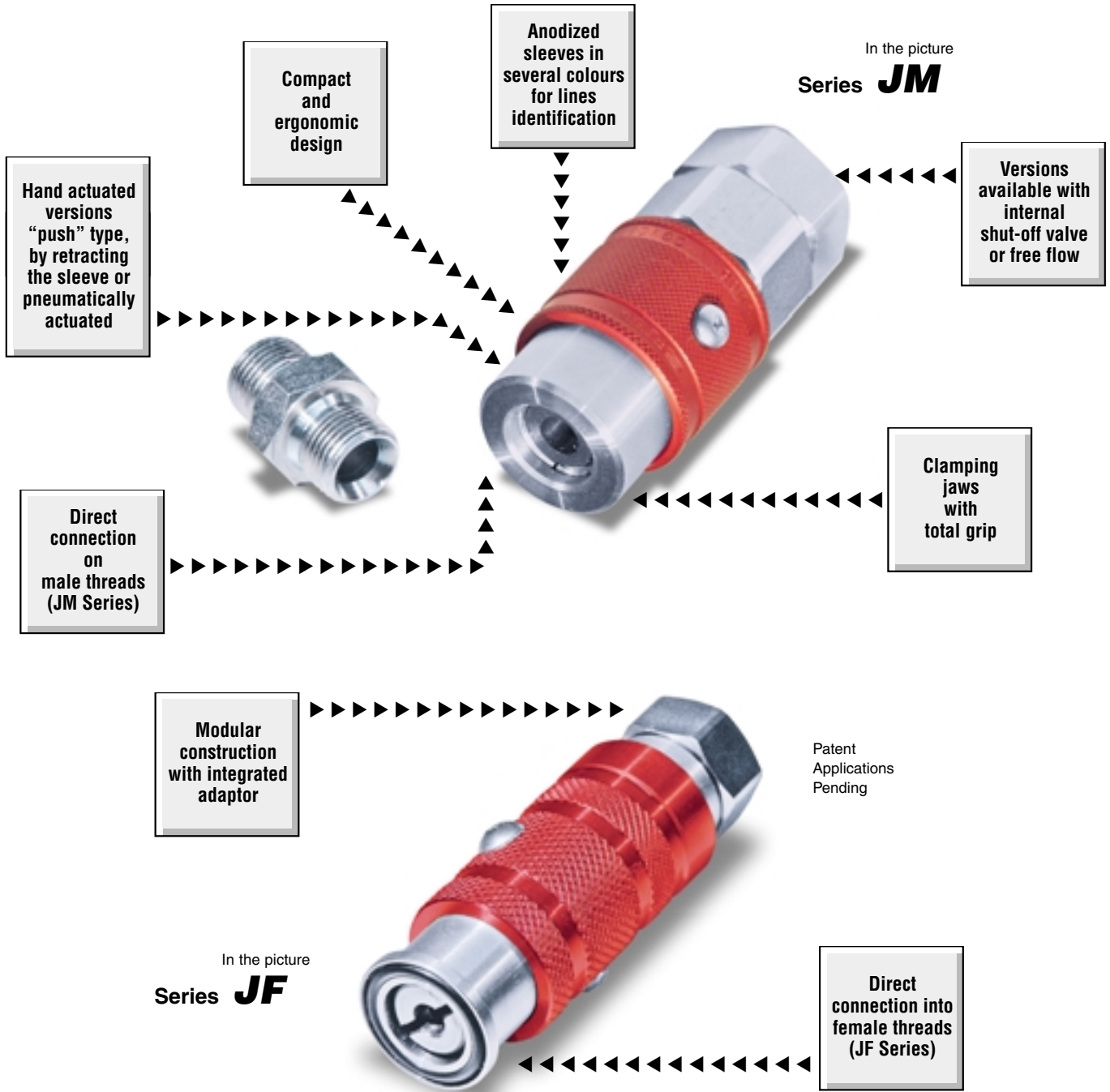
**Quick-release couplings
for threads**

Series **JF**
Series **JM**

Special couplings®



Series **JF**
 Series **JM**



▶ THE NEW REVOLUTIONARY WAY OF THE QUICK-RELEASE COUPLING

- 1) Quick-release couplings specifically designed for threaded connections.
- 2) Patented technology with total grip clamping jaws.
- 3) Versions available with internal shut-off valve or free flow.
- 4) Standard versions in AISI 316 stainless steel with NBR (nitrile rubber) seals.

JM series

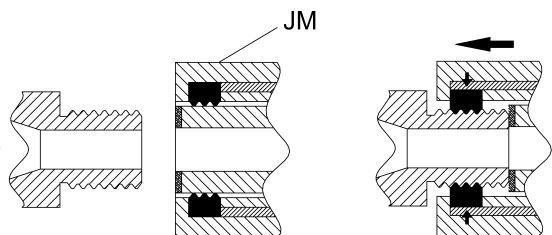
TECHNICAL FEATURES:

JM Series quick-release couplings have been purposely designed to allow a safe and quick pressure tight connection on components characterized by **external (male) threads**.

Total grip jaws guarantee an excellent clamping action on the thread, while the front end seal with special profile is able to guarantee an excellent sealing.

Thanks to these products both end user fatigue and connection times are dramatically reduced.

Ideal for medium and high pressure testing of hydraulic, refrigeration, air-conditioning and automotive products, components and systems. *For safety reasons it is always advisable to connect and disconnect the couplings without pressure in the lines.*



Patent Applications Pending

► Technical data for JM series (free flow version, hand or pneumatic actuation)

Size ❖	DN Nominal diameter		Rated flow		Flow coefficients		Force to connect (hand actuation)		Max. working pressure (connected)		Minimum burst pressure (connected)		
	mm	inc	l/min.	GPM	Cv	kv	N	lb	MPa	PSI	MPa	PSI	
1/4"	04	7	0,27	50	13,2	2,3	33	100	22	25	3625	100	14500
3/8"	06	9	0,35	100	26,5	4,61	66	100	22	30	4350	120	17400
1/2"	08	12	0,47	120	31,7	5,5	79	110	24,2	35	5075	140	20300
3/4"	12	16	0,63	300	79,4	13,8	198	110	24,2	25	3625	100	14500

► Technical data for JM series (shut-off valve version, hand or pneumatic actuation)

Size ❖	DN Nominal diameter		Rated flow		Flow coefficients		Force to connect (hand actuation)		Max. working pressure		Minimum burst pressure (connected)		Minimum burst pressure (disconnected)		
	mm	inc	l/min.	GPM	Cv	kv	N	lb	MPa	PSI	MPa	PSI	MPa	PSI	
1/4"	04	7	0,27	20	5,3	0,9	13,2	100	22	25	3625	100	14500	100	14500
3/8"	06	9	0,35	30	7,9	1,38	19,8	100	22	30	4350	120	17400	170	24650
1/2"	08	12	0,47	65	17,2	3	42,8	110	24,2	25	3625	140	20300	100	14500
3/4"	12	16	0,63	70	18,5	3,2	46,2	110	24,2	25	3625	100	14500	100	14500

*Safety factor = 1:4 - for static pressure safety factor 1:2

Pressure drop graph:

Test bench to ISO 7241-2 specifications with ISO VG32 oil temperature at 40°C (104°F).

Materials:

Main components in AISI 316 stainless steel. Sleeve in anodized aluminium.

Seals:

Standard in NBR (Nitrile Rubber). Other compounds on request.

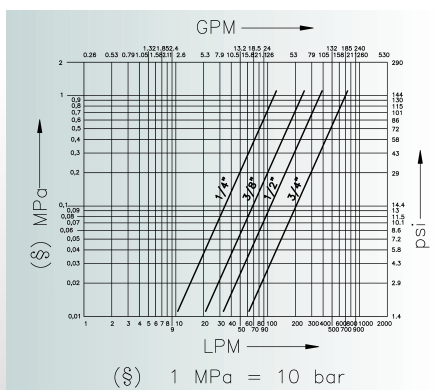
Antiextrusion rings:

In pure PTFE.

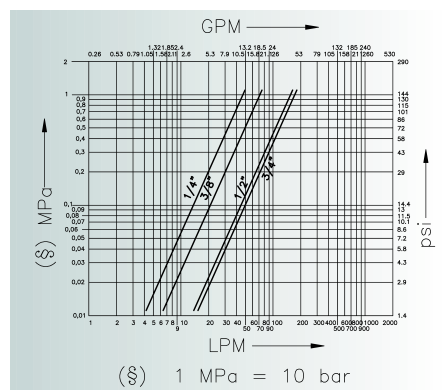
Working temperatures:

With standard seals in NBR (Nitrile Rubber) from -25°C (-13°F) to +125°C (+257°F).

Free flow version



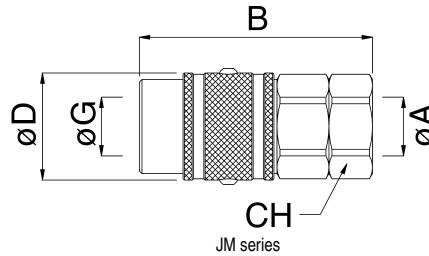
Shut-off valve version



The descriptions and illustrations in this catalogue are for information only and are not binding.

► Available items

Series **JM**



► Hand actuation, "Push" type, shut-off valve, red sleeve

Size	Coupling Code	Ø G Jaws side		Ø A Adaptor side		Standards	B		Ø D		CH	
		typology	thread	typology	thread		mm	inc.	mm	inc.	mm	inc.
04	JM04AA1BG1BG2A		1/4" BSP		1/4" BSP	DIN 3852-2-X	60	2,36	30	1,18	27	1,06
06	JM06AA1CG1CG2A		3/8" BSP		3/8" BSP	DIN 3852-2-X	78	3,07	35	1,38	30	1,18
08	JM08AA1DG1DG2A		1/2" BSP		1/2" BSP	DIN 3852-2-X	89	3,50	41	1,61	36	1,42
12	JM12AA1FG1FG2A		3/4" BSP		3/4" BSP	DIN 3852-2-X	90	3,54	47	1,85	42	1,65

*On request

► Hand actuation, "Push" type, free flow, red sleeve

Size	Coupling Code	Ø G Jaws side		Ø A Adaptor side		Standards	B		Ø D		CH	
		typology	thread	typology	thread		mm	inc.	mm	inc.	mm	inc.
04	JM04AA1BG1BG2B		1/4" BSP		1/4" BSP	DIN 3852-2-X	60	2,36	30	1,18	27	1,06
06	JM06AA1CG1CG2B		3/8" BSP		3/8" BSP	DIN 3852-2-X	78	3,07	35	1,38	30	1,18
08	JM08AA1DG1DG2B		1/2" BSP		1/2" BSP	DIN 3852-2-X	89	3,50	41	1,61	36	1,42
12	JM12AA1FG1FG2B		3/4" BSP		3/4" BSP	DIN 3852-2-X	90	3,54	47	1,85	42	1,65

*On request

► Hand actuation, retracting the sleeve, shut-off, red sleeve

Size	Coupling Code	Ø G Jaws side		Ø A Adaptor side		Standards	B		Ø D		CH	
		typology	thread	typology	thread		mm	inc.	mm	inc.	mm	inc.
04	JM04AB1BG1BG2A		1/4" BSP		1/4" BSP	DIN 3852-2-X	60	2,36	30	1,18	27	1,06
06	JM06AB1CG1CG2A		3/8" BSP		3/8" BSP	DIN 3852-2-X	78	3,07	35	1,38	30	1,18
08	JM08AB1DG1DG2A		1/2" BSP		1/2" BSP	DIN 3852-2-X	89	3,50	41	1,61	36	1,42
12	JM12AB1FG1FG2A		3/4" BSP		3/4" BSP	DIN 3852-2-X	90	3,54	47	1,85	42	1,65

*On request

► Hand actuation, retracting the sleeve, free flow, red sleeve

Size	Coupling Code	Ø G Jaws side		Ø A Adaptor side		Standards	B		Ø D		CH	
		typology	thread	typology	thread		mm	inc.	mm	inc.	mm	inc.
04	JM04AB1BG1BG2B		1/4" BSP		1/4" BSP	DIN 3852-2-X	60	2,36	30	1,18	27	1,06
06	JM06AB1CG1CG2B		3/8" BSP		3/8" BSP	DIN 3852-2-X	78	3,07	35	1,38	30	1,18
08	JM08AB1DG1DG2B		1/2" BSP		1/2" BSP	DIN 3852-2-X	89	3,50	41	1,61	36	1,42
12	JM12AB1FG1FG2B		3/4" BSP		3/4" BSP	DIN 3852-2-X	90	3,54	47	1,85	42	1,65

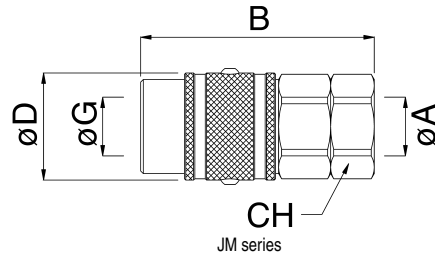
*On request

Follows page 24

► Available items



Series **JM**



► Pneumatic actuation, integrated by sleeve, shut-off valve, red sleeve

Size	Coupling Code	Ø G Jaws side		Ø A Adaptor side		Standards	B		Ø D		CH	
		typology	thread	typology	thread		mm	inc.	mm	inc.	mm	inc.
04	*JM04AC1BG1BG2A		1/4" BSP		1/4" BSP	DIN 3852-2-X	70	2,76	30	1,18	27	1,06
06	*JM06AC1CG1CG2A		3/8" BSP		3/8" BSP	DIN 3852-2-X	90	3,54	35	1,38	30	1,18
08	*JM08AC1DG1DG2A	1/2" BSP	1/2" BSP		DIN 3852-2-X	100	3,94	41	1,61	36	1,42	
12	*JM12AC1FG1FG2A	3/4" BSP	3/4" BSP		DIN 3852-2-X	100	3,94	47	1,85	42	1,65	

*On request

► Pneumatic actuation, integrated by sleeve, free flow, red sleeve

Size	Coupling Code	Ø G Jaws side		Ø A Adaptor side		Standards	B		Ø D		CH	
		typology	thread	typology	thread		mm	inc.	mm	inc.	mm	inc.
04	*JM04AC1BG1BG2B		1/4" BSP		1/4" BSP	DIN 3852-2-X	70	2,76	30	1,18	27	1,06
06	*JM06AC1CG1CG2B		3/8" BSP		3/8" BSP	DIN 3852-2-X	90	3,54	35	1,38	30	1,18
08	*JM08AC1DG1DG2B	1/2" BSP	1/2" BSP		DIN 3852-2-X	100	3,94	41	1,61	36	1,42	
12	*JM12AC1FG1FG2B	3/4" BSP	3/4" BSP		DIN 3852-2-X	100	3,94	47	1,85	42	1,65	

*On request

► Pneumatic actuation, remote, shut-off, red sleeve

Size	Coupling Code	Ø G Jaws side		Ø A Adaptor side		Standards	B		Ø D		CH	
		typology	thread	typology	thread		mm	inc.	mm	inc.	mm	inc.
04	*JM04AD1BG1BG2A		1/4" BSP		1/4" BSP	DIN 3852-2-X	70	2,76	30	1,18	27	1,06
06	*JM06AD1CG1CG2A		3/8" BSP		3/8" BSP	DIN 3852-2-X	90	3,54	35	1,38	30	1,18
08	*JM08AD1DG1DG2A	1/2" BSP	1/2" BSP		DIN 3852-2-X	100	3,94	41	1,61	36	1,42	
12	*JM12AD1FG1FG2A	3/4" BSP	3/4" BSP		DIN 3852-2-X	100	3,94	47	1,85	42	1,65	

*On request

► Pneumatic actuation, remote, free flow, red sleeve

Size	Coupling Code	Ø G Jaws side		Ø A Adaptor side		Standards	B		Ø D		CH	
		typology	thread	typology	thread		mm	inc.	mm	inc.	mm	inc.
04	*JM04AD1BG1BG2B		1/4" BSP		1/4" BSP	DIN 3852-2-X	70	2,76	30	1,18	27	1,06
06	*JM06AD1CG1CG2B		3/8" BSP		3/8" BSP	DIN 3852-2-X	90	3,54	35	1,38	30	1,18
08	*JM08AD1DG1DG2B	1/2" BSP	1/2" BSP		DIN 3852-2-X	100	3,94	41	1,61	36	1,42	
12	*JM12AD1FG1FG2B	3/4" BSP	3/4" BSP		DIN 3852-2-X	100	3,94	47	1,85	42	1,65	

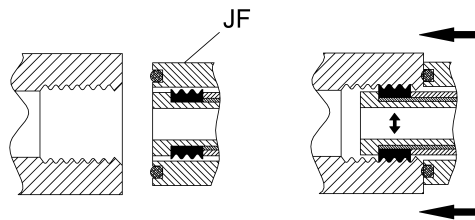
*On request

The descriptions and illustrations in this catalogue are for information only and are not binding.

► **JF series**

TECHNICAL FEATURES:

JF Series quick-release couplings have been purposely designed to allow a safe and quick pressure tight connection into components characterized by **internal (female) threads**. Total grip jaws guarantee an excellent clamping action on the thread, while the front end seal with special profile is able to guarantee an excellent sealing. Thanks to these products both end user fatigue and connection times are dramatically reduced. Ideal for medium and high pressure testing of hydraulic, refrigeration, air-conditioning and automotive products, components and systems. *For safety reasons it is always advisable to connect and disconnect the couplings without pressure in the lines.*



Patent Applications Pending

► **Technical data for JF series (free flow version, hand or pneumatic actuation)****

Size ❖	DN Nominal diameter		Rated flow		Flow coefficients		Force to connect (hand actuation)		Max. working pressure (connected)		Minimum burst pressure (connected)		
	mm	inc	l/min.	GPM	Cv	kv	N	lb	MPa	PSI	MPa	PSI	
1/4"	04	7	0,27	40	10,6	1,8	26,4	100	22	25	3625	100	14500
3/8"	06	9	0,35	80	21,2	3,7	52,7	100	22	25	3625	100	14500
1/2"	08	12	0,47	100	26,5	4,61	66	100	22	25	3625	100	14500
3/4"	12	16	0,63	220	58,2	10,1	145,1	100	22	25	3625	100	14500

► **Technical data for JF series (shut-off valve version, hand or pneumatic actuation)****

Size ❖	DN Nominal diameter		Rated flow		Flow coefficients		Force to connect (hand actuation)		Max. working pressure		Minimum burst pressure (connected)		Minimum burst pressure (disconnected)		
	mm	inc	l/min.	GPM	Cv	kv	N	lb	MPa	PSI	MPa	PSI	MPa	PSI	
1/4"	04	7	0,27	20	5,3	0,9	13,2	100	22	25	3625	100	14500	100	14500
3/8"	06	9	0,35	40	10,6	1,8	26,4	100	22	25	3625	100	14500	100	14500
1/2"	08	12	0,47	50	13,2	2,3	33	100	22	25	3625	100	14500	100	14500
3/4"	12	16	0,63	70	18,5	3,2	46,2	100	22	25	3625	100	14500	100	14500

*Safety factor = 1:4 - for static pressure safety factor 1:2

**Technical data are provisional and may be changed. Please contact FASTER Technical Dept.

Pressure drop graph:

Test bench to ISO 7241-2 specifications with ISO VG32 oil temperature at 40°C (104°F).

Materials:

Main components in AISI 316 stainless steel. Sleeve in anodized aluminium.

Seals:

Standard in NBR (Nitrile Rubber).

Other compounds on request.

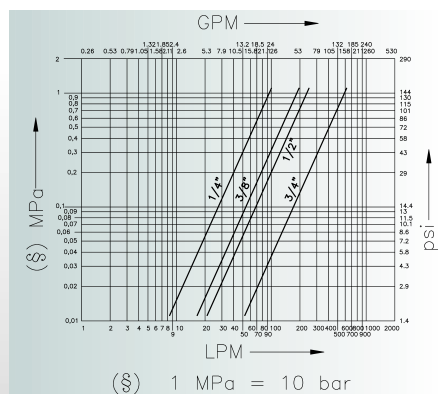
Antieextrusion rings:

In pure PTFE.

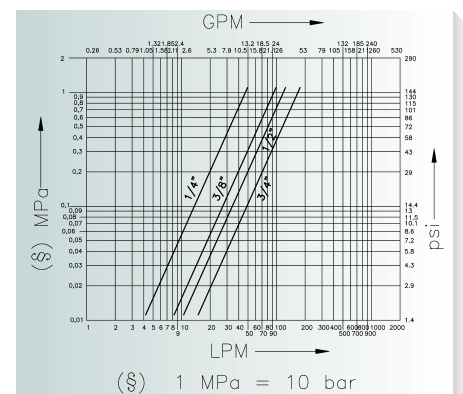
Working temperatures:

with standard seals in NBR (Nitrile Rubber) from -25°C (-13°F) to +125°C (+257°F).

Free flow version



Shut-off valve version

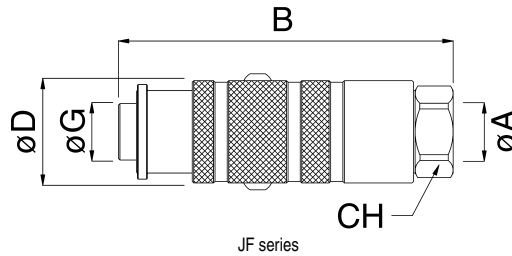


The descriptions and illustrations in this catalogue are for information only and are not binding.

► Available items



Series **JF**



JF series

► Hand actuation, "Push" type, shut-off valve, red sleeve **

Size	Coupling Code	Ø G Jaws side		Ø A Adaptor side		Standards	B		Ø D		CH	
		typology	thread	typology	thread		mm	inc.	mm	inc.	mm	inc.
04	*JF04AA1BG1BG2A		1/4" BSP		1/4" BSP	DIN 3852-2-X	80	3,15	26	1,02	22	0,87
06	*JF06AA1CG1CG2A		3/8" BSP		3/8" BSP	DIN 3852-2-X	100	3,94	31	1,22	24	0,94
08	*JF08AA1DG1DG2A		1/2" BSP		1/2" BSP	DIN 3852-2-X	105	4,13	34	1,34	27	1,06
12	*JF12AA1FG1FG2A		3/4" BSP		3/4" BSP	DIN 3852-2-X	120	4,72	39	1,54	26	1,02

*On request **Technical data are provisional and may be changed. Please contact FASTER Technical Dept.

► Hand actuation, "Push" type, free flow, red sleeve **

Size	Coupling Code	Ø G Jaws side		Ø A Adaptor side		Standards	B		Ø D		CH	
		typology	thread	typology	thread		mm	inc.	mm	inc.	mm	inc.
04	*JF04AA1BG1BG2B		1/4" BSP		1/4" BSP	DIN 3852-2-X	80	3,15	26	1,02	22	0,87
06	*JF06AA1CG1CG2B		3/8" BSP		3/8" BSP	DIN 3852-2-X	90	3,54	31	1,22	24	0,94
08	*JF08AA1DG1DG2B		1/2" BSP		1/2" BSP	DIN 3852-2-X	100	3,94	34	1,34	27	1,06
12	*JF12AA1FG1FG2B		3/4" BSP		3/4" BSP	DIN 3852-2-X	110	4,33	39	1,54	26	1,02

*On request **Technical data are provisional and may be changed. Please contact FASTER Technical Dept.

► Hand actuation, retracting the sleeve, shut-off, red sleeve **

Size	Coupling Code	Ø G Jaws side		Ø A Adaptor side		Standards	B		Ø D		CH	
		typology	thread	typology	thread		mm	inc.	mm	inc.	mm	inc.
04	*F04AB1BG1BG2A		1/4" BSP		1/4" BSP	DIN 3852-2-X	80	3,15	26	1,02	22	0,87
06	*JF06AB1CG1CG2A		3/8" BSP		3/8" BSP	DIN 3852-2-X	100	3,94	31	1,22	24	0,94
08	*JF08AB1DG1DG2A		1/2" BSP		1/2" BSP	DIN 3852-2-X	105	4,13	34	1,34	27	1,06
12	*JF12AB1FG1FG2A		3/4" BSP		3/4" BSP	DIN 3852-2-X	120	4,72	39	1,54	26	1,02

*On request **Technical data are provisional and may be changed. Please contact FASTER Technical Dept.

► Hand actuation, retracting the sleeve, free flow, red sleeve **

Size	Coupling Code	Ø G Jaws side		Ø A Adaptor side		Standards	B		Ø D		CH	
		typology	thread	typology	thread		mm	inc.	mm	inc.	mm	inc.
04	*JF04AB1BG1BG2B		1/4" BSP		1/4" BSP	DIN 3852-2-X	80	3,15	26	1,02	22	0,87
06	*JF06AB1CG1CG2B		3/8" BSP		3/8" BSP	DIN 3852-2-X	90	3,54	31	1,22	24	0,94
08	*JF08AB1DG1DG2B		1/2" BSP		1/2" BSP	DIN 3852-2-X	100	3,94	34	1,34	27	1,06
12	*JF12AB1FG1FG2B		3/4" BSP		3/4" BSP	DIN 3852-2-X	110	4,33	39	1,54	26	1,02

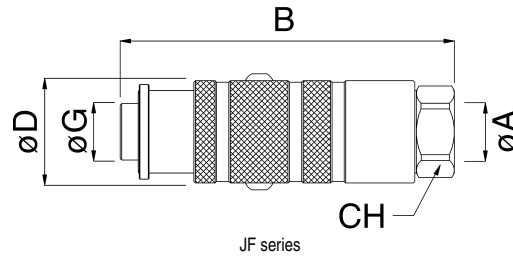
*On request **Technical data are provisional and may be changed. Please contact FASTER Technical Dept.

Follows page 27

The descriptions and illustrations in this catalogue are for information only and are not binding.

► Available items

Series **JF**



JF series

► Pneumatic actuation, integrated by sleeve, shut-off valve, red sleeve **

Size	Coupling Code	Ø G Jaws side		Ø A Adaptor side		Standards	B		Ø D		CH	
		typology	thread	typology	thread		mm	inc.	mm	inc.	mm	inc.
04	* JF04AC1BG1BG2A		1/4" BSP		1/4" BSP	DIN 3852-2-X	90	3,54	26	1,02	22	0,87
06	* JF06AC1CG1CG2A		3/8" BSP		3/8" BSP	DIN 3852-2-X	110	4,33	31	1,22	24	0,94
08	* JF08AC1DG1DG2A		1/2" BSP		1/2" BSP	DIN 3852-2-X	120	4,72	34	1,34	27	1,06
12	* JF12AC1FG1FG2A		3/4" BSP		3/4" BSP	DIN 3852-2-X	130	5,12	39	1,54	26	1,02

*On request **Technical data are provisional and may be changed. Please contact FASTER Technical Dept.

► Pneumatic actuation, integrated by sleeve, free flow, red sleeve **

Size	Coupling Code	Ø G Jaws side		Ø A Adaptor side		Standards	B		Ø D		CH	
		typology	thread	typology	thread		mm	inc.	mm	inc.	mm	inc.
04	* JF04AC1BG1BG2B		1/4" BSP		1/4" BSP	DIN 3852-2-X	90	3,54	26	1,02	22	0,87
06	* JF06AC1CG1CG2B		3/8" BSP		3/8" BSP	DIN 3852-2-X	100	3,94	31	1,22	24	0,94
08	* JF08AC1DG1DG2B		1/2" BSP		1/2" BSP	DIN 3852-2-X	110	4,33	34	1,34	27	1,06
12	* JF12AC1FG1FG2B		3/4" BSP		3/4" BSP	DIN 3852-2-X	120	4,72	39	1,54	26	1,02

*On request **Technical data are provisional and may be changed. Please contact FASTER Technical Dept.

► Pneumatic actuation, remote, shut-off, red sleeve **

Size	Coupling Code	Ø G Jaws side		Ø A Adaptor side		Standards	B		Ø D		CH	
		typology	thread	typology	thread		mm	inc.	mm	inc.	mm	inc.
04	* JF04AD1BG1BG2A		1/4" BSP		1/4" BSP	DIN 3852-2-X	90	3,54	26	1,02	22	0,87
06	* JF06AD1CG1CG2A		3/8" BSP		3/8" BSP	DIN 3852-2-X	110	4,33	31	1,22	24	0,94
08	* JF08AD1DG1DG2A		1/2" BSP		1/2" BSP	DIN 3852-2-X	120	4,72	34	1,34	27	1,06
12	* JF12AD1FG1FG2A		3/4" BSP		3/4" BSP	DIN 3852-2-X	130	5,12	39	1,54	26	1,02

*On request **Technical data are provisional and may be changed. Please contact FASTER Technical Dept.

► Pneumatic actuation, remote, free flow, red sleeve **

Size	Coupling Code	Ø G Jaws side		Ø A Adaptor side		Standards	B		Ø D		CH	
		typology	thread	typology	thread		mm	inc.	mm	inc.	mm	inc.
04	* JF04AD1BG1BG2B		1/4" BSP		1/4" BSP	DIN 3852-2-X	90	3,54	26	1,02	22	0,87
06	* JF06AD1CG1CG2B		3/8" BSP		3/8" BSP	DIN 3852-2-X	100	3,94	31	1,22	24	0,94
08	* JF08AD1DG1DG2B		1/2" BSP		1/2" BSP	DIN 3852-2-X	110	4,33	34	1,34	27	1,06
12	* JF12AD1FG1FG2B		3/4" BSP		3/4" BSP	DIN 3852-2-X	120	4,72	39	1,54	26	1,02

*On request **Technical data are provisional and may be changed. Please contact FASTER Technical Dept.

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► **ELECTRICAL CONNECTIONS**

Considering industrial applications, in addition to multiconnection systems for hydraulic and/or pneumatic lines, it is often requested also the possibility to connect and disconnect electrical lines at low voltage.

Electrical connections **SPEL Series**, socket and plug, are the result of FASTER experience in this field and have been specifically designed by FASTER Research & Development Dept.

► **KIT SPEL08-3 F - KIT SPEL08-3 M**

Main features:

- Standard installation within the same housings arranged for 1/2" size couplings **FFNP, 2FFNP, 3FFNP** and **2FFNB Series**.
- Particular gilt shape of male electrical connections (plug) ensures an excellent contact surface.
- Guaranteed for 10,000 connections.
- Standard cable terminal according to DIN 46247 4.8 series, faston type.
- Other terminal types are available as shown in table 1. Ask to FASTER Research & Development Dept.
- 3 poles, 25 Ampere, completely insulated.
- Maximum voltage 48 Volt DC.
- Integrated insulating pressing cable.



► **KIT SPEL08-7 F - KIT SPEL08-7 M**

Main features:

- Standard installation within the same housings arranged for 1/2" size couplings **FFNP, 2FFNP, 3FFNP** and **2FFNB Series**.
- Cylindrical male electrical connections (plug) made of special brass.
- Guaranteed for 10,000 connections.
- Standard cylindrical cable terminal to be pressure assembled as shown in table 2.
- 7 poles, 13 Ampere, completely insulated.
- Maximum voltage 48 Volt DC.
- Integrated insulating pressing cable.

► **KIT SPEL32-31 F - KIT SPEL32-31 M**

Main features:

- Standard installation within arranged housings.
- Cylindrical male electrical connections (plug) made of special brass.
- Guaranteed for 10,000 connections.
- Standard cylindrical cable terminal to be pressure assembled as shown in table 2.
- 31 poles, 13 Ampere, completely insulated.
- Maximum voltage 48 Volt DC.
- Integrated insulating pressing cable.



SPECIAL APPLICATIONS

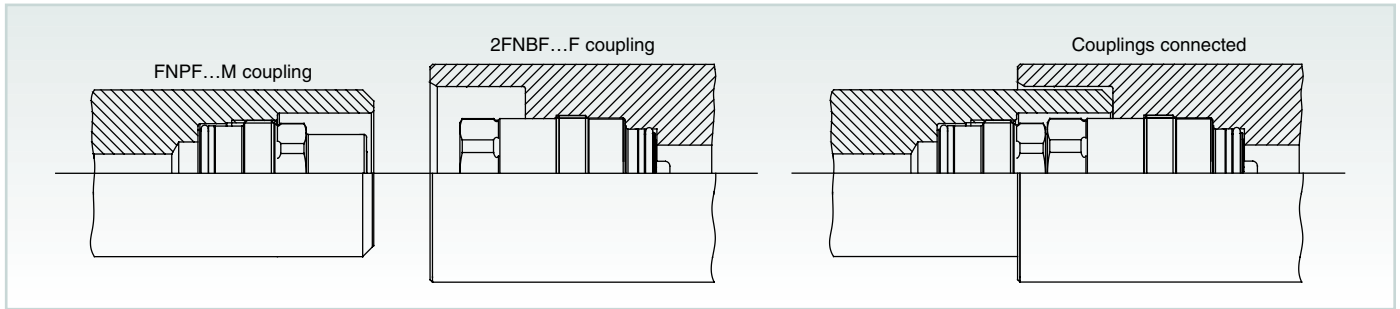
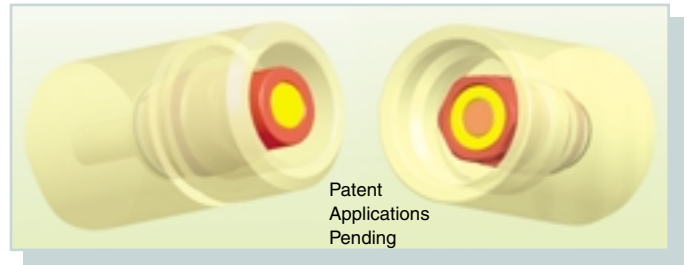
Table "1" Cable terminals available for SPEL 08-3	D	D	D
	Standard	A*	B*
D	4.8 mm	4 mm	1.9 mm
Rated current	25 A	25 A	16 A
Connecting end	Flat (DIN 46247)	Cylindrical	Cylindrical
Code	KIT CC SPEL 08	-	-

* on request

Table "2" Cable terminals available for SPEL 08-7 and SPEL 32-31	D
	Standard
D	1.55 mm
Rated current	13 A
Connecting end	Cylindrical
Code 7 poles	KIT CC SPEL 08-7
Code 31 poles	KIT CC SPEL 32-31

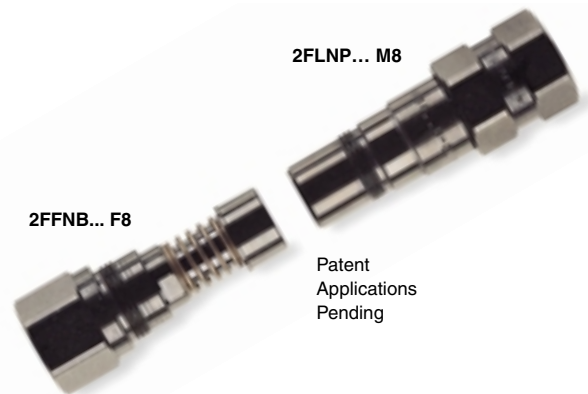
► **FNPF and 2FNBF series**

Also male couplings **FNPF Series** and female couplings **2FNBF Series** give the possibility of a frontal installation within simple threaded housings. The use of these quick-release couplings is suggested whenever working pressure is present in disconnected condition. For further information contact FASTER Research & Development Dept.



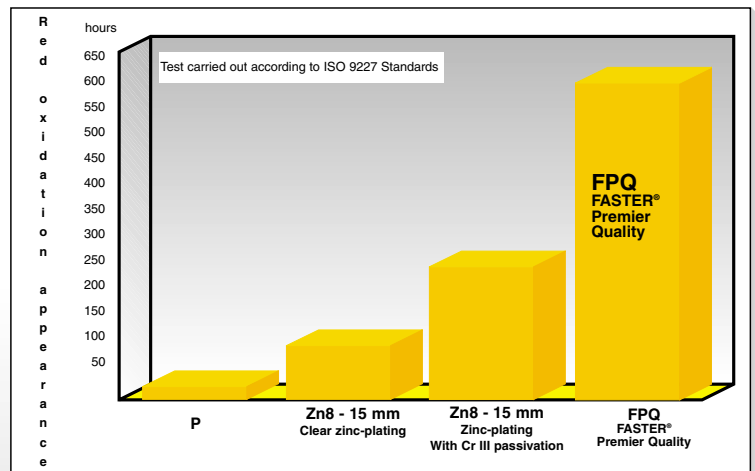
► **Quick-release couplings for compressed air**

Faster Multiconnections can also be equipped with quick-release couplings for compressed air. These products have the same external dimensions of **2FFNP** and **2FFNB Series** couplings but are characterized by FPQ (Faster Premier Quality) surface treatment with springs in stainless steel and are normally supplied with male part without the shut-off valve (free flow). For further information contact FASTER Research & Development Dept.



► **Resistance to salt spray of the most common plating treatments**

FPQ FASTER® Premier Quality
Exclusive surface protection treatment increasing corrosion resistance 3 times higher than standard zinc plating with Cr III passivation.



► **MULTICONNECTIONS BASED ON CUSTOMER SPECIFICATIONS**

► **Multiconnection M603**

The **M603 multiconnection** was designed to simplify changing the cart in continuous casting steel plants and ironworks. With closure controlled by a pneumatic cylinder, the multiconnection is also set-up for manual safety locks. Completely made of AISI 316 stainless steel, the **M603** model multiconnection houses **2FFNC** female quick-release couplings and **FFNP** male parts. It has with two, 1" size lines; one, 1/2" size line; and ten, 3/8" size lines. Attachments are set-up for six electric connectors based on the customer's design. Furthermore, thanks to the integrated self-alignment system, connection is allowed with a maximum misalignment in the XY plane of ± 2 mm and $\pm 1^\circ$ with respect to the Z axis.

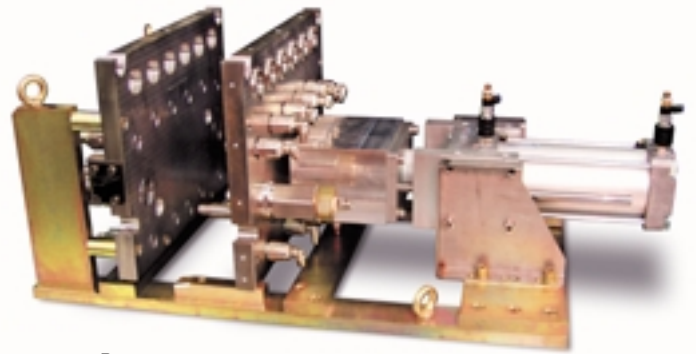
STEEL INDUSTRY

► **Multiconnection M606**

The **M606 multiconnection**, on the other hand, has been designed to simplify the exchange of cages on roll mill cylinder stands in steel and iron plants. This type of multiconnection features **2FFNC** female part flat-face couplings and **2FFNP** male parts with two, 1/2" size lines; and two, 3/8" size lines; completely manufactured from AISI 316 stainless steel with Viton seals to guarantee fluid compatibility. This model also has a 2" size central quick-release coupling for very high flow rates dedicated to freezing of cooling water lines. Thanks to the integrated tilting self-alignment system, the connection is allowed with a maximum misalignment in the XY plane of ± 4 mm and $\pm 2^\circ$ with respect to the Z axis.

STEEL INDUSTRY

Version **M603**



Patent
Applications
Pending

Version **M606**



Patent
Applications
Pending



► **MULTICONNECTIONS BASED ON CUSTOMER SPECIFICATIONS**

► **Multiconnection M613**

The **M613 multiconnection** was designed to simplify coupling of ladle manipulators. The four, 1/2" size quick-release couplings **2FFNC** and **2FFNP series** that equip this product feature Kalrez perfluoroelastomer seals due to the very high temperatures that are normally seen in the application. The multiconnection is also set-up with attachments for hydraulic cylinder interface based on the customer's specifications. Thanks to the integrated tilting self-alignment system, coupling is allowed with a maximum misalignment in the XY plane of ± 6 mm and $\pm 1.5^\circ$ with respect to the Z axis.

STEEL INDUSTRY

► **Multiconnection M617**

The **M617 multiconnection** was designed to facilitate the rapid change of mold holder carts for mechanical cold metal drawing. This type of coupling features the presence of ten quick-release couplings with 3/8" size flat-face female parts **2FFNC series**, and male parts **FFNP series**, manufactured from FPQ coated steel, and with Viton seals to guarantee fluid compatibility. Furthermore, on this model there are two, 31 poles electrical connectors for electric service and control. Thanks to the integrated tilting self-alignment system, coupling is allowed with a maximum misalignment in the XY plane of ± 6 mm and $\pm 1.5^\circ$ with respect to the Z axis.

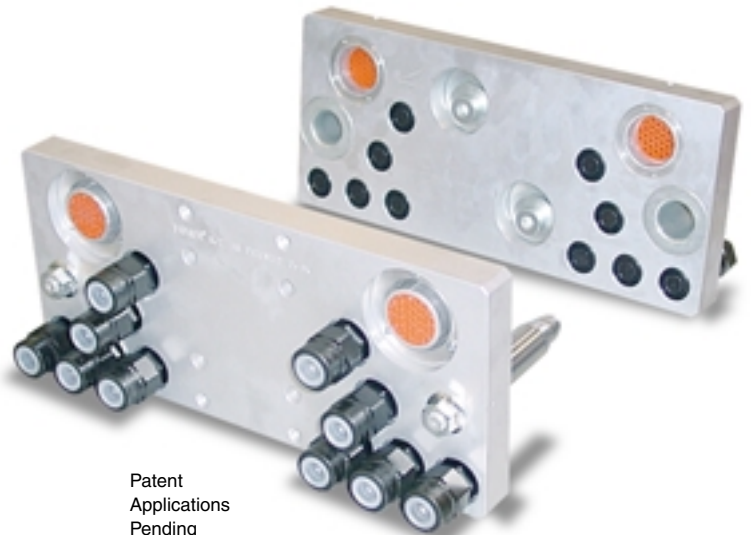
STEEL INDUSTRY

Version **M613**



Patent Applications Pending

Version **M617**



Patent Applications Pending



► **MULTICONNECTIONS BASED ON CUSTOMER SPECIFICATIONS**

► **Multiconnection M301**

The **M301 multiconnection** was designed to simplify the manual exchange of robotic heads in industrial painting plants. The four, 1/4" size quick-release couplings, **2FFNB** and **FFNP series** that equip this product feature Kalrez perfluoroelastomer seals, due to the fluids and solvents that are normally seen in application. They are manufactured completely from AISI 316 stainless steel. The multiconnection is also equipped with four plastic attachments for pneumatic lines, 4 mm diameter, and four 8 mm diameter attachments.

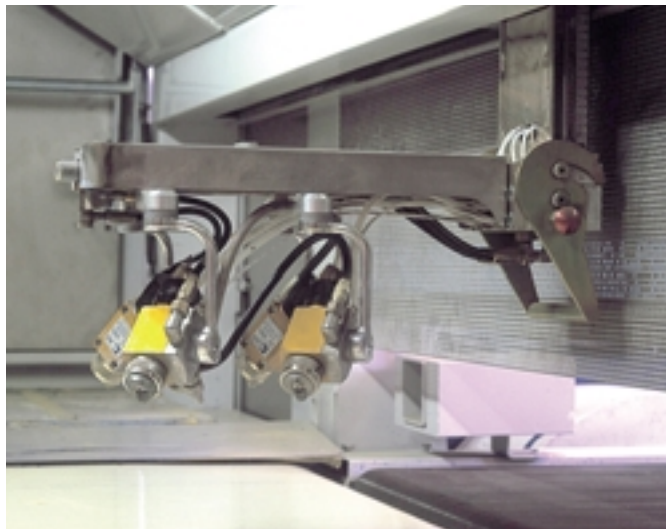
PAINTING

► **Multiconnection M305**

The **M305 multiconnection** is also designed to simplify the exchange of robotic painting heads. This multiconnection, equipped with a manual lever latching system, features a total of 14 lines, with **2FFNB** female part quick-release couplings and **2FLNP** male part quick-release couplings (with free flow). In particular, this model is equipped with eight, 1/4" size quick-release couplings in AISI 316 stainless steel with Kalrez seals; four, 1/4" size quick-release couplings in FPQ coated carbon steel with Viton seals; and two, FPQ treated 3/8" size quick-release couplings with Viton seals to guarantee fluid compatibility.

PAINTING

Version **M301**



Patent Applications Pending

Version **M305**



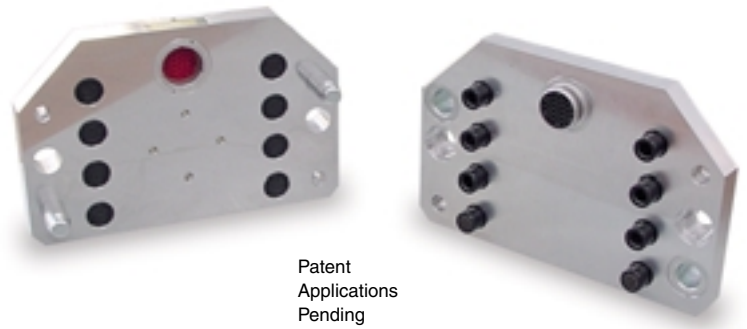
Patent Applications Pending

Version **M311**

► MULTICONNECTIONS BASED ON CUSTOMER SPECIFICATIONS

► Multiconnection M311

The **M311 multiconnection** was designed for mold changing systems in automotive production plants using expanded Polyurethane foams. This multiconnection, equipped with a total of eight, 3/8" size lines with **2FFNC series** female quick-release couplings that connect with six, **2FLNP series**, male part, free flow quick-release couplings; and two, **2FFNP** male part quick-release couplings. The couplings are all manufactured in carbon steel with FPQ coating and are equipped with Viton seals to guarantee fluid compatibility. Furthermore, on this model there is a 31 poles electrical connector for electric service and control. Thanks to the integrated self-alignment system, connection is allowed with a maximum misalignment in the XY plane of ± 2 mm and $\pm 1^\circ$ with respect to the Z axis.



Patent Applications Pending

MOLD CHANGING

► Multiconnection M504

The **M504 multiconnection** was designed to allow a rapid connection to X-ray control equipment for pipe welding. This multiconnection, equipped with a manual double lever hooking system, is used in the off-shore industry on pipe-laying ships and features the presence of a 31 poles electrical connector and two, 1/2" size quick-release couplings, **2FFNC series** (female part) and **2FLNP series** (male part, free flow) manufactured completely in AISI 316 stainless steel. As this multiconnection is also required to support the equipment during operations, it features a very robust structure and has four eye-bolts for lifting by crane.

OFF-SHORE

Version **M504**



Patent Applications Pending

► **MULTICONNECTIONS BASED ON CUSTOMER SPECIFICATIONS**

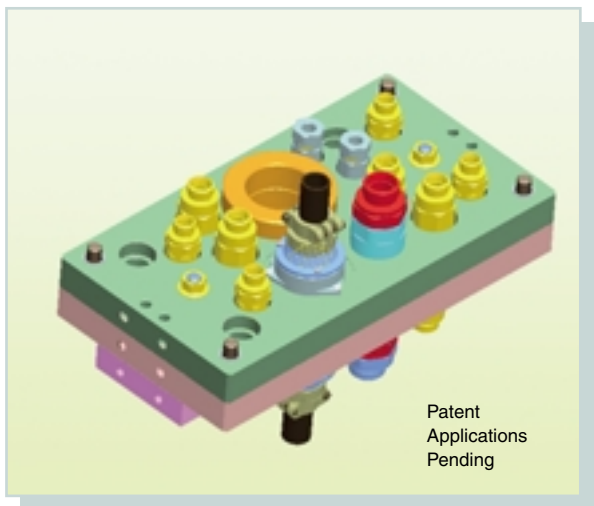
► **Multiconnection M304**

Equivalent to the other M3... models, the **M304 multiconnection** was designed to facilitate the quick change of painting tools in linear robotic systems.

The multiconnection is made up of four, 1/4" size lines in AISI 316 stainless steel with Kalrez seals; four, 4 mm plastic pneumatic lines; as well as four other plastic lines with 8 mm passage.

PAINTING

Version **M306**



► **Multiconnection M604**

The **M604 multiconnection**, on the same level as the other M6... model products, was designed for applications in the steel and ironworks industry.

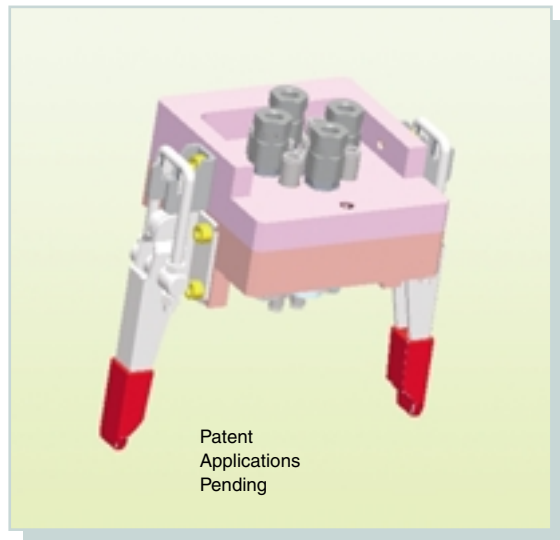
In particular, this model was developed to facilitate the change of the roll mill cylinder stages.

Very similar to the M606 model, this type of coupling features **2FFNC** and **FFNP** flat-face quick-couplings, manufactured entirely in AISI 316 stainless steel with Viton seals to guarantee fluid compatibility.

Thanks to the integrated self-alignment system, coupling is allowed with a maximum misalignment in the XY plane of ± 4 mm and $\pm 2^\circ$ with respect to the Z axis.

STEEL INDUSTRY

Version **M304**



► **Multiconnection M306**

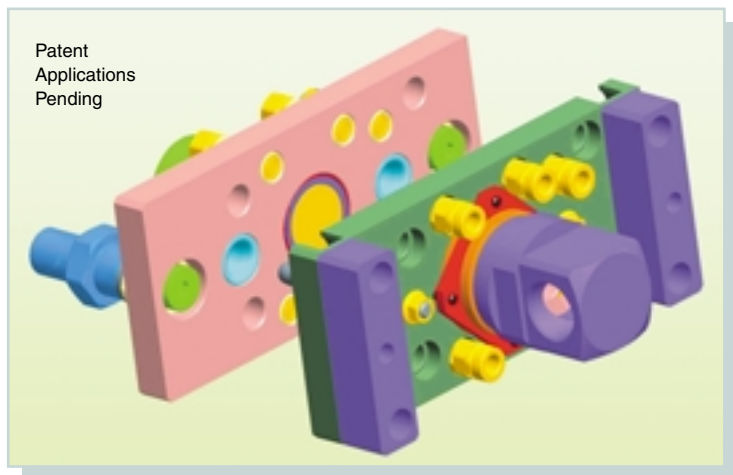
The **M306 multiconnection** was designed for rapid mold changing systems for co-molding Polyurethane on plastics.

To permit the best performance of this operation, it is necessary to work under vacuum. For this reason, in addition to the 1/4", 3/8" and 1/2" hydraulic lines for compressed air, oil, and water, the **M306 series multiconnections** are also equipped with 3/4" and 1-1/2" lines for vacuum.

This multiconnection, equipped with a manual two lever quick latch, also features a 31 poles electrical connector.

MOLD CHANGING

Version **M604**



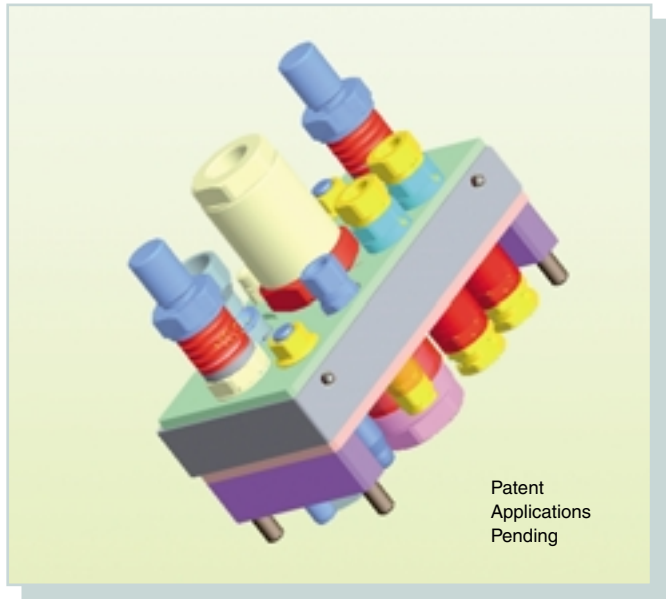
Version M609

► **MULTICONNECTIONS BASED ON CUSTOMER SPECIFICATIONS**

► **Multiconnection M609**

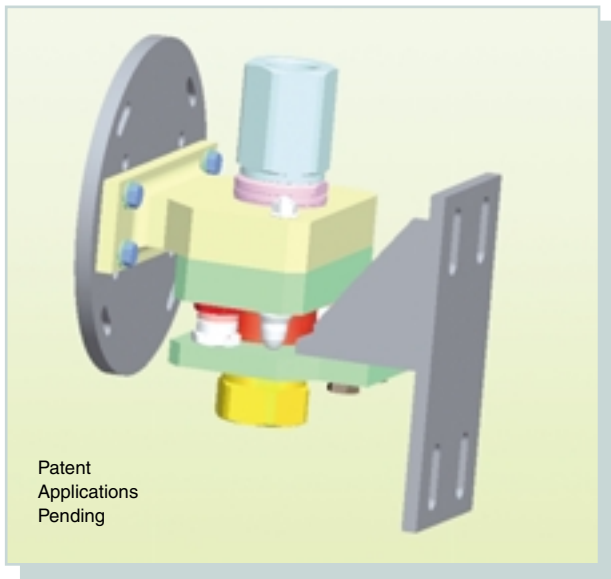
Equivalent to the other M6... models, the **M609 multiconnection** was designed to facilitate the connection and disconnection of hydraulic lines in plants in the steel and ironworks industry. The multiconnection is made up of two, 3/8" size lines; one, 1/2" size line; two, 3/4" size lines; and one 1-1/2" size central line in AISI 316 stainless steel with Viton seals. This multiconnection features a 31 pole electrical connector and, thanks to the integrated self-alignment system, connection is possible with a maximum misalignment in the XY plane of ± 4 mm and $\pm 2^\circ$ with respect to the Z axis.

STEEL INDUSTRY



Patent Applications Pending

Version M701



Patent Applications Pending

► **Multiconnection M701**

The **M701 multiconnection** was designed to equip mixing tank connection and disconnection systems at controlled temperatures in the food industry. Equipped with a 1" size quick-release coupling manufactured from AISI 316 stainless steel with seals compatible with the fluids transported, this multiconnection features a floating system to perform connection with a maximum misalignment in the XY plane of ± 2 mm and $\pm 1^\circ$ with respect to the Z axis.

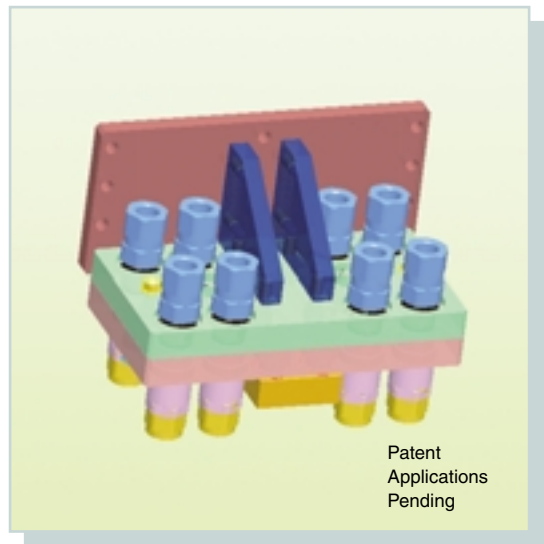
FOOD INDUSTRY

Version M801

► **Multiconnection M801**

The **M801 multiconnection** was designed to facilitate the rapid change of molds in automated sheet metal plants in the automotive industry. This multiconnection model is equipped with eight, 1/2" size lines in FPQ coated steel and is set-up with two additional seats for eventual electrical connectors.

MOLD CHANGING



Patent Applications Pending

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► Guarantee

All **FASTER**® quick-release couplings are designed and produced in conformity with the regulations of **Quality Managing System according to UNI EN ISO 9001 and UNI ISO/TS 16949 Standards.**

They bear the **FASTER**® logo to guarantee their origin and reliability.

FASTER® quick-release couplings are distributed worldwide through a network of highly qualified distributors.



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