



Standard
series

▶ Quick-release couplings "Standard" series



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



► Quick-release couplings “Standard” series



► Features

- ANV and HNV series couplings are interchangeable according to ISO 7241-1 standard.
- Connection and disconnection by pulling back the sleeve.
- Great number of latching balls.
- Internal components purposely designed to reduce turbulences and consequent pressure drop.
- Rolled surfaces in sealing area to ensure the lowest roughness.
- Hardened valve bodies to stand crashes.
- Contentitive washer with special seal to reduce the risk of extrusion.
- Guidevalve with mechanical backstop to achieve a perfect interchangeability between ball and poppet valved couplings.
- Parts subject to loads and wear are hardened by heat treatment.
- Carbonitrited sleeve on female couplings.
- Balls racing area on the male coupling induction hardened.
- Seals in NBR (nitrile rubber).
- PTFE back-up rings.
- Metal shoulder to protect the O-ring seal on female coupling.
- Wide range of threads and connections.
- Accessories and spare parts kit available with detailed assembling instructions.



► Applications

- “Standard” series couplings are the most commonly used.
- Specifically designed for agricultural and industrial applications.
- Conformity to ISO 7241 standard ensures the worldwide interchangeability.



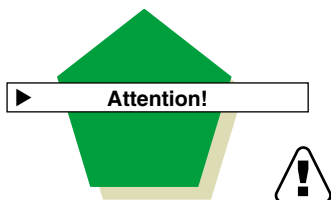
► Benefits

- Interchangeable according to ISO 7241-1 standard (ANV and HNV series).
- Available with a wide range of threads: BSP, NPT, SAE and metric.
- Increased number of latching balls to prevent brinelling.
- Internal components purposely designed to reduce turbulences and consequent pressure drop.
- Also available versions in AISI 316 stainless steel and brass supplied with the suitable seals.
- Accessories and spare parts kit available with detailed assembling instructions.



► 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 contained in this catalogue. For any further information please contact **Faster Research & Development**.
- 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 that their sealing is correct.
- 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 seals damage.
- When couplings are disconnected, please protect them with **original FASTER® plugs**.



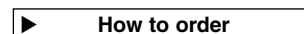
- When connecting and disconnecting, be sure there is no pressure in both halves.
- When a disconnection is performed, there could be a **residual pressure** that depending on temperature and position could reach high values. This prevents opening the valve and, as a consequence, the connection is not possible.
- **Avoid forcing the coupling valve to decrease residual pressure.**
- **Do not use any sharpened tool which could damage the seals when opening the valves.**
- In case it is not possible to decrease pressure, use a quick-release coupling specifically designed to stand connection and disconnection under pressure or the specific decompression valve VDM series (see at page 31).



- 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.

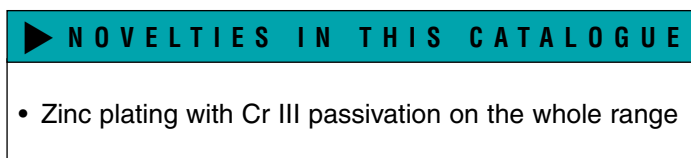


- All **FASTER®** quick-release couplings are designed and produced in conformity with the regulations of **Quality Managing System according to UNI EN ISO 9001 and UNI ISO/TS 16949.**
- They bear the **FASTER®** logo to guarantee their origin and reliability.
- **FASTER®** quick-release couplings are distributed worldwide through a network of highly qualified distributors.
- If a **FASTER®** quick-release coupling is connected to an equivalent competitor's type please **check the functionality, the sealing and the resistance to working pressure before using the coupling.** **FASTER® cannot 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.



- See available item codes in the ordering chart.
- As a further help in defining and selecting the most suitable product for the 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.**

NEW



- Zinc plating with Cr III passivation on the whole range

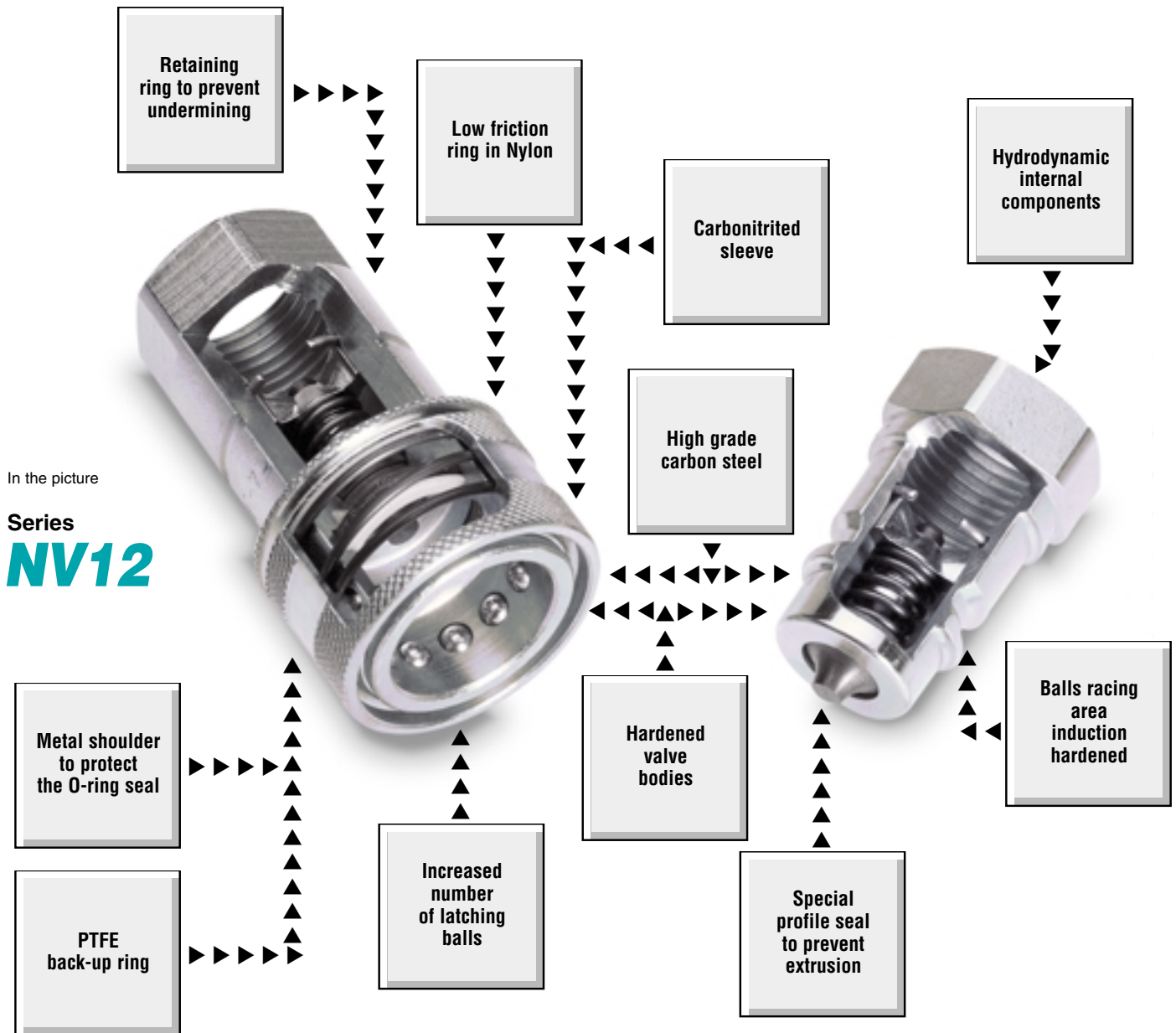


UNI EN ISO 9001
Cert. n° 2905
ISO/TS 16949



**Quick-release couplings
“Standard” series**





▶ THE NEW REVOLUTIONARY WAY OF THE QUICK-RELEASE COUPLING

- 1) Worldwide interchangeability according to ISO 7241-1 standards.
- 2) Stressed components are hardened in order to ensure the maximum service life to the coupling.
- 3) Increased number of latching balls to prevent brinelling.
- 4) Internal components purposely designed to reduce turbulences and consequent pressure drop.
- 5) Retaining rings in steel studied to prevent undermining but easy to be removed for replacement.
- 6) Versions with special seals are assembled with all components in steel.

Features

- **Connection system:** pulling back the sleeve
- **Disconnection system:** pulling back the sleeve
- **Shut-off system:** poppet valve
- **Connectability:** without pressure
- **Disconnection under pressure:** not allowed
- **Interchangeability:** according to ISO 7241-1 part A standard (1/2" size only)
- Balls latching system
- Guidevalve with mechanical backstop
- Perfect interchangeability with ball valve couplings NS series

Accessories and spare part kit

See at pages 28-30.



Technical data

Size ◇	DN Nominal diameter		Rated flow		Force to connect		Max. work pressure *		Minimum burst pressure						Fluid spillage cc max.
	mm	inc.	l/min	GPM	N	lb	MPa	PSI	Connected		Male		Female		
									MPa	PSI	MPa	PSI	MPa	PSI	
1/4" 04	6	0.24	15	3.9	55	12.1	35	5075	140	20300	140	20300	140	20300	0,8
3/8" 06	9	0.35	50	13.2	85	18.7	30	4350	140	20300	120	17400	120	17400	1,3
1/2" 08	10.5	0.41	75	19.8	92	20.3	30	4350	130	18850	120	17400	130	18850	1,8
3/4" 12	16	0.63	150	39.6	150	33	25	3625	100	14500	100	14500	100	14500	8
1" 16	17.5	0.69	230	60.8	130	28.6	23	3335	95	13775	95	13775	98	14210	13
1 1/4" 20	22.5	0.89	340	89.8	145	31.9	22	3190	92	13340	92	13340	90	13050	30
1 1/2" 24	29.5	1.16	450	119	265	58.4	18	2610	80	11600	70	10150	70	10150	34
2" 32	47	1.85	1000	264	250	55	13	1885	64	9280	55	7975	70	10150	100

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

Pressure drop graph:

test bench to ISO 7241-2 specifications with ISO VG 32 oil at 40°C (104°F) temperature.

Materials:

- Female in steel with wear parts carbonitrided.
- Male in high grade carbon steel, induction hardened.
- Steel hardened valve.
- Surface treatment: zinc plating and Cr III passivation.
- Springs in C98 steel.
- High resistance balls 100 C6.

Seals:

Standard in oilproof NBR (Nitrile Rubber).
On request: Viton, Neoprene, EPDM or other seals.

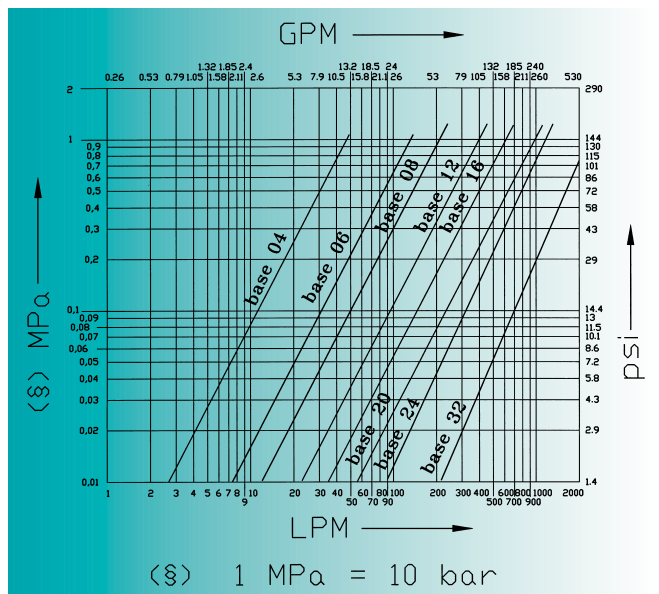
Antiextrusion rings:

In pure PTFE.

Working temperatures:

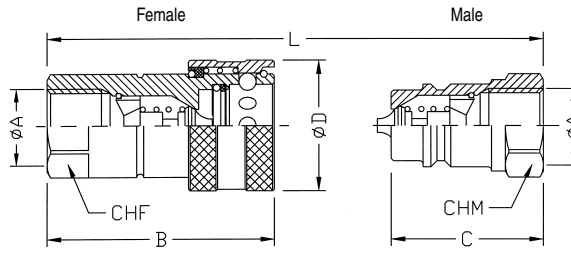
with standard seals in NBR (Nitrile Rubber) from -25°C (-13°F) to +125°C (+257°F).

For temperature exceeding these values, the quick-release coupling will be supplied with all components in steel together with the suitable seals.



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

Series **NV**



Threaded end	❖	Threaded end	Female	Male A	Thread Ø A	Standards	B		C		Ø D		L		CHF		CHM	
							mm	inc.	mm	inc.	mm	inc.	mm	inc.	mm	inc.	mm	inc.
A	04	A	NV 14 GAS F	NV 14 GAS M	1/4" BSP	DIN 3852-2-X	50	1,97	33	1,30	27	1,06	66	2,6	19	0,75	19	0,75
			NV 14 NPT F	NV 14 NPT M	1/4" NPTF	ANSI B 1.20.3	50	1,97	33	1,30	27	1,06	66	2,6	19	0,75	19	0,75
	* NV 14 JPT F	* NV 14 JPT M	1/4" JPT	JIS B 0203	50	1,97	33	1,30	27	1,06	66	2,6	19	0,75	19	0,75		
	* NV 1415 F	* NV 1415 M	M14x1,5	DIN 3852-2-X	50	1,97	33	1,30	27	1,06	66	2,6	19	0,75	19	0,75		
		B	NV 14-38 SAE F	NV 14-38 SAE M	9/16" UNF	SAE J1926-1	52,5	2,07	35,5	1,39	27	1,06	71	2,79	19	0,75	19	0,75
A	06	A	NV 38 GAS F	NV 38 GAS M	3/8" BSP	DIN 3852-2-X	59,5	2,34	39	1,54	33	1,3	78	3,07	24	0,94	24	0,94
			NV 38 NPT F	NV 38 NPT M	3/8" NPTF	ANSI B 1.20.3	59,5	2,34	39	1,54	33	1,3	78	3,07	24	0,94	24	0,94
	* NV 38 JPT F	* NV 38 JPT M	3/8" JPT	JIS B 0203	59,5	2,34	39	1,54	33	1,3	78	3,07	24	0,94	24	0,94		
	NV 1815 F	* NV 1815 M	M18x1,5	DIN 3852-2-X	59,5	2,34	39	1,54	33	1,3	78	3,07	24	0,94	24	0,94		
		B	* NV 38-38 SAE F	* NV 38-38 SAE M	9/16" UNF	SAE J1926-1	59,5	2,34	39	1,54	33	1,3	78	3,07	24	0,94	24	0,94
A	08	A	NV 12 GAS F	NV 12 GAS M	1/2" BSP	DIN 3852-2-X	66	2,60	44	1,73	38	1,5	88	3,46	27	1,06	27	1,06
			NV 12 NPT F	NV 12 NPT M	1/2" NPTF	ANSI B 1.20.3	66	2,60	44	1,73	38	1,5	88	3,46	27	1,06	27	1,06
	NV 12 JPT F	NV 12 JPT M	1/2" JPT	JIS B 0203	66	2,60	44	1,73	38	1,5	88	3,46	27	1,06	27	1,06		
	* NV 2215 F	NV 2215 M	M22x1,5	DIN 3852-2-X	66	2,60	44	1,73	38	1,5	88	3,46	27	1,06	27	1,06		
		B	NV 12-12 SAE F	NV 12-12 SAE M	3/4" UNF	SAE J1926-1	66	2,60	47	1,85	38	1,5	88	3,46	27	1,06	27	1,06
	NV 12-58 SAE F		NV 12-58 SAE M	7/8" UNF	SAE J1926-1	69,5	2,74	51	2,01	38	1,5	98,5	3,88	32	1,26	32	1,26	
			NV 0/2215 F	NV 0/2215 M	M22x1,5	ISO 6149-1	66	2,60	47	1,85	38	1,5	88	3,46	27	1,06	27	1,06
			* NV 0/12 GAS F	NV 0/12 GAS M	1/2" BSP	DIN 3852-2-X	66	2,60	47	1,85	38	1,5	88	3,46	27	1,06	27	1,06
A	12	A	NV 34 GAS F	NV 34 GAS M	3/4" BSP	DIN 3852-2-X	82,5	3,25	53,5	2,11	48	1,89	107	4,21	34	1,34	34	1,34
			NV 34 NPT F	NV 34 NPT M	3/4" NPTF	ANSI B 1.20.3	82,5	3,25	53,5	2,11	48	1,89	107	4,21	34	1,34	34	1,34
			* NV 34 JPT F	* NV 34 JPT M	3/4" JPT	JIS B 0203	82,5	3,25	53,5	2,11	48	1,89	107	4,21	34	1,34	34	1,34
A	16	A	NV 1 GAS F	NV 1 GAS M	1" BSP	DIN 3852-2-X	100	3,94	66	2,60	56	2,2	132	5,2	41	1,61	41	1,61
			NV 1 NPT F	NV 1 NPT M	1" NPTF	ANSI B 1.20.3	100	3,94	66	2,60	56	2,2	132	5,2	41	1,61	41	1,61
			* NV 1 JPT F	* NV 1 JPT M	1" JPT	JIS B 0203	100	3,94	66	2,60	56	2,2	132	5,2	41	1,61	41	1,61
A	20	A	NV 114 GAS F	NV 114 GAS M	1 1/4" BSP	DIN 3852-2-X	115	4,53	73	2,87	70	2,76	146	5,75	50	1,97	50	1,97
			NV 114 NPT F	NV 114 NPT M	1 1/4" NPTF	ANSI B 1.20.3	115	4,53	73	2,87	70	2,76	146	5,75	50	1,97	50	1,97
			* NV 114 JPT F	* NV 114 JPT M	1 1/4" JPT	JIS B 0203	115	4,53	73	2,87	70	2,76	146	5,75	50	1,97	50	1,97
A	24	A	NV 112 GAS F	NV 112 GAS M	1 1/2" BSP	DIN 3852-2-X	127,5	5,02	83,5	3,29	84	3,31	166	6,54	60	2,36	60	2,36
			NV 112 NPT F	NV 112 NPT M	1 1/2" NPTF	ANSI B 1.20.3	127,5	5,02	83,5	3,29	84	3,31	166	6,54	60	2,36	60	2,36
			* NV 112 JPT F	* NV 112 JPT M	1 1/2" JPT	JIS B 0203	127,5	5,02	83,5	3,29	84	3,31	166	6,54	60	2,36	60	2,36
A	32	A	NV 2 GAS F	NV 2 GAS M	2" BSP	DIN 3852-2-X	151	5,94	100	3,94	119	4,69	200	7,87	75	2,95	75	2,95
			NV 2 NPT F	NV 2 NPT M	2" NPTF	ANSI B 1.20.3	151	5,94	100	3,94	119	4,69	200	7,87	75	2,95	75	2,95
			* NV 2 JPT F	* NV 2 JPT M	2" JPT	JIS B 0203	151	5,94	100	3,94	119	4,69	200	7,87	75	2,95	75	2,95

❖ Size GAS = BSP *On request

Features

- **Connection system:** pulling back the sleeve
- **Disconnection system:** pulling back the sleeve
- **Shut-off system:** ball valve
- **Connectability:** without pressure
- **Disconnection under pressure:** not allowed
- **Interchangeability:** according to ISO 7241-1 part A standard (1/2" size only)

- Balls latching system
- Metal to metal sealing
- Guidevalve with mechanical backstop
- Perfect interchangeability with poppet valve couplings NV series

Accessories and spare part kit

See at pages 28-30.



Technical data

Size ◇	DN Nominal diameter		Rated flow		Force to connect		Max. work pressure *		Minimum burst pressure						Fluid spillage cc max.
	mm	inc.	l/min	GPM	N	lb	MPa	PSI	Connected		Male		Female		
									MPa	PSI	MPa	PSI	MPa	PSI	
1/4" 04	5	0.20	15	3.9	55	12.1	25	3625	140	20300	100	14500	100	14500	0,7
3/8" 06	7	0.28	30	7.9	83	18.3	25	3625	140	20300	100	14500	100	14500	1
1/2" 08	8.5	0.33	50	13.2	89	19.6	20	2900	120	17400	85	12325	80	11600	1,5
3/4" 12	12	0.47	80	21.1	170	37.4	17	2465	150	21750	68	9860	95	13775	7
1" 16	13.5	0.53	140	37	140	30.8	22	3190	160	23200	90	13050	120	17400	11

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

Pressure drop graph:

test bench to ISO 7241-2 specifications with ISO VG 32 oil at 40°C (104°F) temperature

Materials:

- Female in steel with wear parts, carbonitrided.
- Male in high grade carbon steel, induction hardened.
- Surface treatment: zinc plating and Cr III passivation.
- Springs in C98 steel.
- High resistance balls 100 C6.

Seals:

Standard in oilproof NBR (Nitrile Rubber).

On request: Viton, Neoprene, EPDM or other seals.

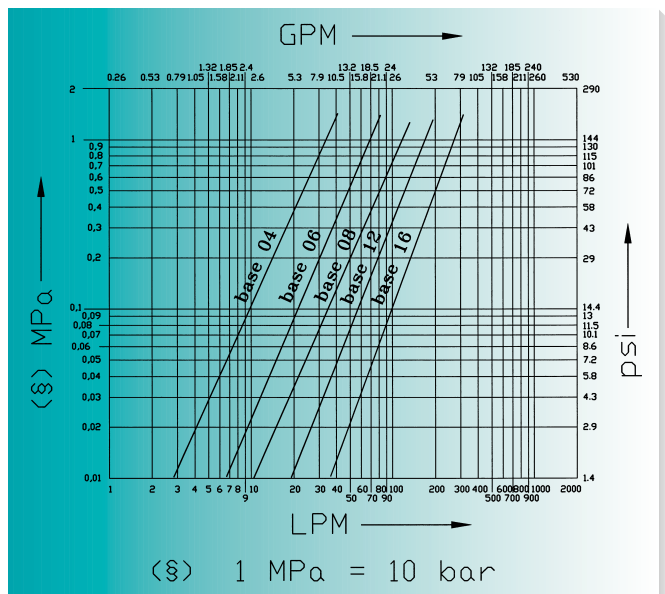
Antiextrusion rings:

In pure PTFE.

Working temperatures:

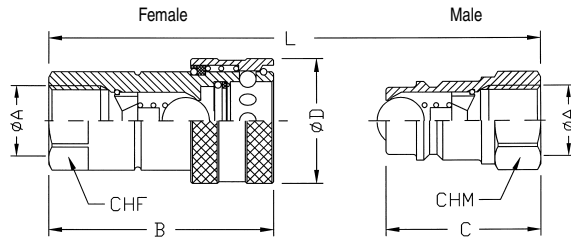
with standard seals in NBR (Nitrile Rubber) from -25°C (-13°F) to +125°C (+257°F).

For temperature exceeding these values, the quick-release coupling will be supplied with all components in steel together with the suitable seals.



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Series **NS**



Threaded end	❖	Threaded end	Female	Male	Thread Ø A	Standards	B		C		Ø D		L		CHF		CHM	
							mm	inc.	mm	inc.	mm	inc.	mm	inc.	mm	inc.	mm	inc.
A	04	A	NS 14 GAS F	NS 14 GAS M	1/4" BSP	DIN 3852-2-X	50	1,97	33	1,30	27	1,06	66	2,6	19	0,75	19	0,75
			NS 14 NPT F	NS 14 NPT M	1/4" NPTF	ANSI B 1.20.3	50	1,97	33	1,30	27	1,06	66	2,6	19	0,75	19	0,75
			* NS 14 JPT F	* NS 14 JPT M	1/4" JPT	JIS B 0203	50	1,97	33	1,30	27	1,06	66	2,6	19	0,75	19	0,75
	06	A	NS 38 GAS F	NS 38 GAS M	3/8" BSP	DIN 3852-2-X	59,5	2,34	39	1,54	33	1,3	78	3,07	24	0,94	24	0,94
			NS 38 NPT F	NS 38 NPT M	3/8" NPTF	ANSI B 1.20.3	59,5	2,34	39	1,54	33	1,3	78	3,07	24	0,94	24	0,94
NS 38 JPT F			* NS 38 JPT M	3/8" JPT	JIS B 0203	59,5	2,34	39	1,54	33	1,3	78	3,07	24	0,94	24	0,94	
NS 1815 F	NS 1815 M	M18x1,5	DIN 3852-2-X	59,5	2,34	39	1,54	33	1,3	78	3,07	24	0,94	24	0,94			
08	A	NS 12 GAS F	NS 12 GAS M	1/2" BSP	DIN 3852-2-X	68	2,68	46	1,81	38	1,5	88	3,46	27	1,06	27	1,06	
		NS 12 NPT F	NS 12 NPT M	1/2" NPTF	ANSI B 1.20.3	68	2,68	46	1,81	38	1,5	88	3,46	27	1,06	27	1,06	
		* NS 12 JPT F	NS 12 JPT M	1/2" JPT	JIS B 0203	68	2,68	46	1,81	38	1,5	88	3,46	27	1,06	27	1,06	
12	A	NS 34 GAS F	NS 34 GAS M	3/4" BSP	DIN 3852-2-X	82,5	3,25	53,5	2,11	48	1,89	107	4,21	34	1,34	34	1,34	
		NS 34 NPT F	NS 34 NPT M	3/4" NPT	ANSI B 1.20.3	82,5	3,25	53,5	2,11	48	1,89	107	4,21	34	1,34	34	1,34	
		* NS 34 JPT F	* NS 34 JPT M	3/4" JPT	JIS B 0203	82,5	3,25	53,5	2,11	48	1,89	107	4,21	34	1,34	34	1,34	
16	A	NS 1 GAS F	NS 1 GAS M	1" BSP	DIN 3852-2-X	100	3,94	66	2,6	56	2,2	132	5,2	41	1,61	41	1,61	
		NS 1 NPT F	NS 1 NPT M	1" NPTF	ANSI B 1.20.3	100	3,94	66	2,6	56	2,2	132	5,2	41	1,61	41	1,61	
		* NS 1 JPT F	* NS 1 JPT M	1" JPT	JIS B 0203	100	3,94	66	2,6	56	2,2	132	5,2	41	1,61	41	1,61	

❖ Size GAS = BSP *On request

Features

- **Connection system:** pulling back the sleeve
 - **Disconnection system:** pulling back the sleeve
 - **Shut-off system:** free flow
 - **Connectability:** without pressure
 - **Disconnection under pressure:** not allowed
 - **Interchangeability:** according to ISO 7241-1 part A standard (1/2" size only)
 - Balls latching system
 - For small quantity orders NL couplings are supplied with the NV coupling body (see pages 6-7)
- Data in the following tables are referred to minimum order quantities and FASTER stock availability

Accessories and spare part kit

See at pages 28-30.



Technical data

Size ◇	DN Nominal diameter		Rated flow		Force to connect		Max. work pressure *		Minimum burst pressure						
	mm	inc.	l/min	GPM	N	lb	MPa	PSI	Connected		Male		Female		
									MPa	PSI	MPa	PSI	MPa	PSI	
1/4"	04	11	0.43	40	10.5	35	7.7	35	5075	140	20300				
3/8"	06	14	0.55	60	15.8	40	8.8	35	5075	140	20300				
1/2"	08	17	0.41	120	31.5	45	9.9	37	5365	148	21460				
3/4"	12	24	0.94	170	44.74	50	11	25	3625	100	14500				
1"	16	27	1.06	270	71.4	65	14.3	24	3480	95	13775				
1 1/4"	20	36	1.42	400	105.2	65	14.3	23	3335	92	13340				
1 1/2"	24	44	1.73	700	184.2	75	16.5	20	2900	80	11600				
2"	32	56	2.20	1500	395	75	16.5	16	2320	64	9280				

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

Pressure drop graph:

test bench to ISO 7241-2 specifications with ISO VG 32 oil at 40°C (104°F) temperature.

Materials:

- Female in steel with wear parts carbonitrided.
- Male in high grade carbon steel, induction hardened.
- Surface treatment: zinc plating and Cr III passivation.
- Springs in C98 steel.
- High resistance balls 100 C6.

Seals:

Standard in oilproof NBR (Nitrile Rubber).

On request: Viton, Neoprene, EPDM or other seals.

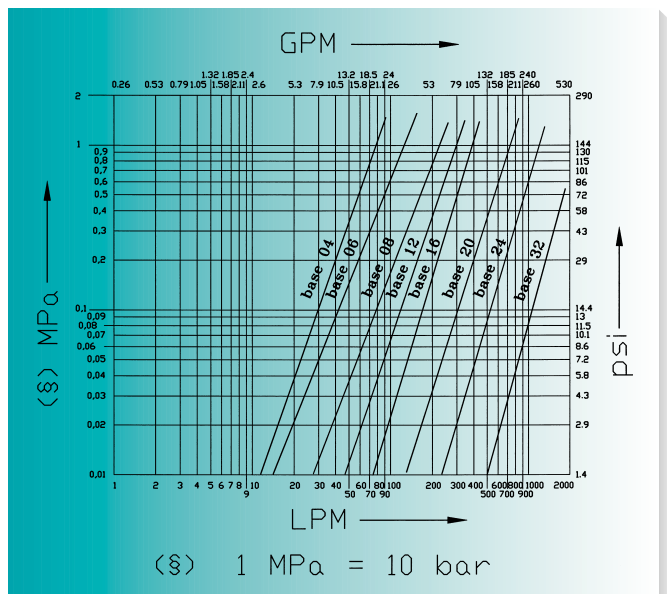
Antiextrusion rings:

In pure PTFE.

Working temperatures:

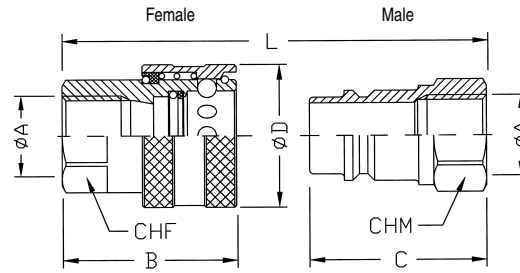
with standard seals in NBR (Nitrile Rubber) from -25°C (-13°F) to +125°C (+257°F).

For temperatures exceeding these values, the quick-release coupling will be supplied with all components in steel together with the suitable seals.

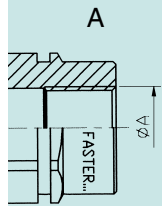


The descriptions and illustrations in this catalogue are for information only and are not binding.

Series **NL**



Threaded end	❖	Threaded end	Female	Male	Thread Ø A	Standards	B#		C		Ø D		L		CHF		CHM	
							mm	inc.	mm	inc.	mm	inc.	mm	inc.	mm	inc.	mm	inc.
A	04	A	NL 14 GAS F NL 14 NPT F * NL 14 JPT F	NL 14 GAS M NL 14 NPT M * NL 14 JPT M	1/4" BSP 1/4" NPTF 1/4" JPT	DIN 3852-2-X ANSI B 1.20.3 JIS B 0203	40	1,57	33	1,30	27	1,06	56	2,20	19	0,75	19	0,75
			40	1,57	33	1,30	27	1,06	56	2,20	19	0,75	19	0,75				
	06	A	NL 38 GAS F NL 38 NPT F * NL 38 JPT F * NL 1815 F	NL 38 GAS M NL 38 NPT M * NL 38 JPT M * NL 1815 M	3/8" BSP 3/8" NPTF 3/8" JPT M18x1,5	DIN 3852-2-X ANSI B 1.20.3 JIS B 0203 DIN 3852-2-X	50	1,97	39	1,54	33	1,3	68	2,68	24	0,94	24	0,94
			50	1,97	39	1,54	33	1,3	68	2,68	24	0,94	24	0,94				
			50	1,97	39	1,54	33	1,3	68	2,68	24	0,94	24	0,94				
	08	A	NL 12 GAS F NL 12 NPT F * NL 12 JPT F	NL 12 GAS M NL 12 NPT M * NL 12 JPT M	1/2" BSP 1/2" NPTF 1/2" JPT	DIN 3852-2-X ANSI B 1.20.3 JIS B 0203	50	1,97	44	1,73	38	1,5	72	2,83	27	1,06	27	1,06
			50	1,97	44	1,73	38	1,5	72	2,83	27	1,06	27	1,06				
			50	1,97	44	1,73	38	1,5	72	2,83	27	1,06	27	1,06				
12	A	NL 34 GAS F NL 34 NPT F * NL 34 JPT F	NL 34 GAS M NL 34 NPT M * NL 34 JPT M	3/4" BSP 3/4" NPTF 3/4" JPT	DIN 3852-2-X ANSI B 1.20.3 JIS B 0203	80	3,15	53,5	2,11	48	1,89	107	4,21	34	1,34	34	1,34	
		80	3,15	53,5	2,11	48	1,89	107	4,21	34	1,34	34	1,34					
		80	3,15	53,5	2,11	48	1,89	107	4,21	34	1,34	34	1,34					
16	A	NL 1 GAS F NL 1 NPT F * NL 1 JPT F	NL 1 GAS M NL 1 NPT M * NL 1 JPT M	1" BSP 1" NPTF 1" JPT	DIN 3852-2-X ANSI B 1.20.3 JIS B 0203	95	3,74	66	2,60	56	2,2	125	4,92	41	1,61	41	1,61	
		95	3,74	66	2,60	56	2,2	125	4,92	41	1,61	41	1,61					
		95	3,74	66	2,60	56	2,2	125	4,92	41	1,61	41	1,61					
20	A	NL 114 GAS F NL 114 NPT F * NL 114 JPT F	NL 114 GAS M NL 114 NPT M * NL 114 JPT M	1 1/4" BSP 1 1/4" NPTF 1 1/4" JPT	DIN 3852-2-X ANSI B 1.20.3 JIS B 0203	110	4,33	73	2,87	70	2,76	141	5,55	50	1,97	50	1,97	
		110	4,33	73	2,87	70	2,76	141	5,55	50	1,97	50	1,97					
		110	4,33	73	2,87	70	2,76	141	5,55	50	1,97	50	1,97					
24	A	NL 112 GAS F * NL 112 NPT F * NL 112 JPT F	NL 112 GAS M * NL 112 NPT M * NL 112 JPT M	1 1/2" BSP 1 1/2" NPTF 1 1/2" JPT	DIN 3852-2-X ANSI B 1.20.3 JIS B 0203	120	4,72	83	3,27	84	3,31	159	6,26	60	2,36	60	2,36	
		120	4,72	83	3,27	84	3,31	159	6,26	60	2,36	60	2,36					
		120	4,72	83	3,27	84	3,31	159	6,26	60	2,36	60	2,36					
32	A	NL 2 GAS F * NL 2 NPT F * NL 2 JPT F	NL 2 GAS M * NL 2 NPT M * NL 2 JPT M	2" BSP 2" NPTF 2" JPT	DIN 3852-2-X ANSI B 1.20.3 JIS B 0203	140	5,51	100	3,94	119	4,69	190	7,48	75	2,95	75	2,95	
		140	5,51	100	3,94	119	4,69	190	7,48	75	2,95	75	2,95					
		140	5,51	100	3,94	119	4,69	190	7,48	75	2,95	75	2,95					



❖ Size GAS = BSP *On request #B: dimension on request, for small quantity orders see "B" dimension of NV series at page 7.

Features

- **Connection system:** pulling back the sleeve
- **Disconnection system:** pulling back the sleeve
- **Shut-off system:** poppet valve (**SV series**) or ball valve (**SS series**)
- **Connectability:** without pressure
- **Disconnection under pressure:** not allowed
- **Interchangeability:** according to ISO 7241-1 part A standard (1/2" size only)
- Balls latching system
- Additional safety sleeve to prevent accidental disconnection
- Perfect interchangeability with NV and NS series couplings

Accessories and spare part kit

See at pages 28-30.

Technical data



Patent Application Pending

Series	Size	DN Nominal diameter		Rated flow		Force to connect		Max. work pressure *		Minimum burst pressure						Fluid spillage cc max.
		mm	inc.	l/min	GPM	N	lb	MPa	PSI	Connected		Male		Female		
										MPa	PSI	MPa	PSI	MPa	PSI	
SV	1/4" 04	6	0.24	15	3.9	55	12.1	35	5075	140	20300	140	20300	140	20300	0,8
	3/8" 06	9	0.35	50	13.2	85	18.7	30	4350	140	20300	120	17400	120	17400	1,3
	1/2" 08	10.5	0.41	75	19.8	92	20.3	30	4350	130	18850	120	17400	130	18850	1,8
	3/4" 12	16	0.63	150	39.6	150	33	25	3625	100	14500	100	14500	100	14500	8
	1" 16	17.5	0.69	230	60.8	130	28.6	23	3335	95	13775	95	13775	98	14210	13
	1 1/4" 20	22.5	0.89	340	89.8	145	31.9	22	3190	92	13340	92	13340	90	13050	30
	1 1/2" 24	29.5	1.16	450	119	265	58.4	18	2610	80	11600	70	10150	70	10150	34
	2" 32	47	1.85	1000	264	250	55	13	1885	64	9280	55	7975	70	10150	100
SS	1/4" 04	5	0.20	15	3.9	55	12.1	25	3625	140	20300	100	14500	100	14500	0,7
	3/8" 06	7	0.28	30	7.9	83	18.3	25	3625	140	20300	100	14500	100	14500	1
	1/2" 08	8.5	0.41	50	13.2	89	19.6	20	2900	120	17400	85	12325	80	11600	2
	3/4" 12	12	0.47	80	21.1	170	37,4	17	2465	150	21750	68	9860	95	13775	7
	1" 16	13.5	0.53	140	37	140	30,8	22	3190	160	23200	90	13050	120	17400	11

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

Pressure drop graph:

test bench to ISO 7241-2 specifications with ISO VG 32 oil at 40°C (104°F) temperature.

Materials:

- Female in steel with wear parts carbonitrited.
- Male in high grade carbon steel, induction hardened.
- Steel hardened valve.
- Surface treatment: zinc plating and Cr III passivation.
- Springs in C98 steel.
- High resistance balls 100 C6.

Seals:

Standard in oilproof NBR (Nitrile Rubber).
On request: Viton, Neoprene, EPDM or other seals.

Antiextrusion rings:

In pure PTFE.

Working temperatures:

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

For temperature exceeding these values, the quick-release coupling will be supplied with all components in steel together with the suitable seals.

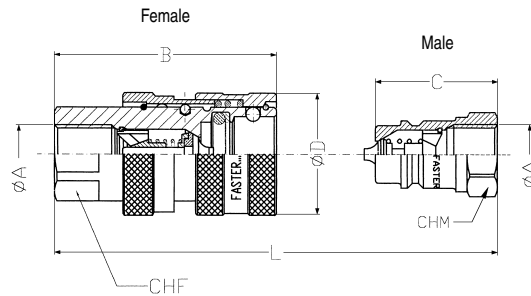
Pressure drop graph

SV: see NV series at page 6

SS: see NS series at page 8



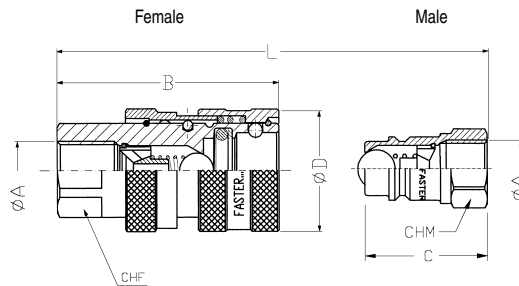
Series SV



Threaded end	❖	Threaded end	Female	Male	Thread Ø A	Standards	B		C		Ø D		L		CHF		CHM	
							mm	inc.	mm	inc.	mm	inc.	mm	inc.	mm	inc.	mm	inc.
	04	A	SV 14 GAS F	NV 14 GAS M	1/4" BSP	DIN 3852-2-X	50	1,97	33	1,30	27	1,06	66	2,60	19	0,75	19	0,75
			SV 14 NPT F	NV 14 NPT M	1/4" NPTF	ANSI B 1.20.3	50	1,97	33	1,30	27	1,06	66	2,60	19	0,75	19	0,75
			* SV 14 JPT F	* NV 14 JPT M	1/4" JPT	JIS B 0203	50	1,97	33	1,30	27	1,06	66	2,60	19	0,75	19	0,75
	06	A	SV 38 GAS F	NV 38 GAS M	3/8" BSP	DIN 3852-2-X	59,5	2,34	39	1,54	33	1,3	78	3,07	24	0,94	24	0,94
			SV 38 NPT F	NV 38 NPT M	3/8" NPTF	ANSI B 1.20.3	59,5	2,34	39	1,54	33	1,3	78	3,07	24	0,94	24	0,94
			* SV 38 JPT F	* NV 38 JPT M	3/8" JPT	JIS B 0203	59,5	2,34	39	1,54	33	1,3	78	3,07	24	0,94	24	0,94
	08	A	SV 12 GAS F	NV 12 GAS M	1/2" BSP	DIN 3852-2-X	66	2,60	44	1,73	38	1,5	88	3,46	27	1,06	27	1,06
			SV 12 NPT F	NV 12 NPT M	1/2" NPTF	ANSI B 1.20.3	66	2,60	44	1,73	38	1,5	88	3,46	27	1,06	27	1,06
* SV 12 JPT F			* NV 12 JPT M	1/2" JPT	JIS B 0203	66	2,60	44	1,73	38	1,5	88	3,46	27	1,06	27	1,06	
12	A	SV 34 GAS F	NV 34 GAS M	3/4" BSP	DIN 3852-2-X	82,5	3,25	53,5	2,11	48	1,89	107	4,21	34	1,34	34	1,34	
		SV 34 NPT F	NV 34 NPT M	3/4" NPTF	ANSI B 1.20.3	82,5	3,25	53,5	2,11	48	1,89	107	4,21	34	1,34	34	1,34	
		* SV 34 JPT F	* NV 34 JPT M	3/4" JPT	JIS B 0203	82,5	3,25	53,5	2,11	48	1,89	107	4,21	34	1,34	34	1,34	
16	A	SV 1 GAS F	NV 1 GAS M	1" BSP	DIN 3852-2-X	100	3,94	66	2,60	56	2,2	132	5,20	41	1,61	41	1,61	
		* SV 1 NPT F	* NV 1 NPT M	1" NPTF	ANSI B 1.20.3	100	3,94	66	2,60	56	2,2	132	5,20	41	1,61	41	1,61	
		* SV 1 JPT F	* NV 1 JPT M	1" JPT	JIS B 0203	100	3,94	66	2,60	56	2,2	132	5,20	41	1,61	41	1,61	
20	A	SV 114 GAS F	NV 114 GAS M	1 1/4" BSP	DIN 3852-2-X	115	4,53	73	2,87	70	2,76	146	5,75	50	1,97	50	1,97	
		* SV 114 NPT F	* NV 114 NPT M	1 1/4" NPTF	ANSI B 1.20.3	115	4,53	73	2,87	70	2,76	146	5,75	50	1,97	50	1,97	
		* SV 114 JPT F	* NV 114 JPT M	1 1/4" JPT	JIS B 0203	115	4,53	73	2,87	70	2,76	146	5,75	50	1,97	50	1,97	
24	A	SV 112 GAS F	NV 112 GAS M	1 1/2" BSP	DIN 3852-2-X	127,5	5,02	83,5	3,29	84	3,31	166	6,54	60	2,36	60	2,36	
		* SV 112 NPT F	* NV 112 NPT M	1 1/2" NPTF	ANSI B 1.20.3	127,5	5,02	83,5	3,29	84	3,31	166	6,54	60	2,36	60	2,36	
		* SV 112 JPT F	* NV 112 JPT M	1 1/2" JPT	JIS B 0203	127,5	5,02	83,5	3,29	84	3,31	166	6,54	60	2,36	60	2,36	
32	A	SV 2 GAS F	NV 2 GAS M	2" BSP	DIN 3852-2-X	151	5,94	100	3,94	119	4,69	200	7,87	75	2,95	75	2,95	
		SV 2 NPT F	NV 2 NPT M	2" NPTF	ANSI B 1.20.3	151	5,94	100	3,94	119	4,69	200	7,87	75	2,95	75	2,95	
		SV 2 JPT F	NV 2 JPT M	2" JPT	JIS B 0203	151	5,94	100	3,94	119	4,69	200	7,87	75	2,95	75	2,95	

❖ Size GAS = BSP *On request

Series SS



Threaded end	❖	Threaded end	Female	Male	Thread Ø A	Standards	B		C		Ø D		L		CHF		CHM	
							mm	inc.	mm	inc.	mm	inc.	mm	inc.	mm	inc.	mm	inc.
	04	A	SS 14 GAS F	NS 14 GAS M	1/4" BSP	DIN 3852-2-X	50	1,97	33	1,30	27	1,06	66	2,60	19	0,75	19	0,75
			* SS 14 NPT F	* NS 14 NPT M	1/4" NPTF	ANSI B 1.20.3	50	1,97	33	1,30	27	1,06	66	2,60	19	0,75	19	0,75
			* SS 14 JPT F	* NS 14 JPT M	1/4" JPT	JIS B 0203	50	1,97	33	1,30	27	1,06	66	2,60	19	0,75	19	0,75
	06	A	SS 38 GAS F	NS 38 GAS M	3/8" BSP	DIN 3852-2-X	59,5	2,34	39	1,54	33	1,3	78	3,07	24	0,94	24	0,94
			* SS 38 NPT F	* NS 38 NPT M	3/8" NPTF	ANSI B 1.20.3	59,5	2,34	39	1,54	33	1,3	78	3,07	24	0,94	24	0,94
* SS 38 JPT F			* NS 38 JPT M	3/8" JPT	JIS B 0203	59,5	2,34	39	1,54	33	1,3	78	3,07	24	0,94	24	0,94	
08	A	SS 12 GAS F	NS 12 GAS M	1/2" BSP	DIN 3852-2-X	66	2,60	44	1,73	38	1,5	88	3,46	27	1,06	27	1,06	
		* SS 12 NPT F	* NS 12 NPT M	1/2" NPTF	ANSI B 1.20.3	66	2,60	44	1,73	38	1,5	88	3,46	27	1,06	27	1,06	
		* SS 12 JPT F	* NS 12 JPT M	1/2" JPT	JIS B 0203	66	2,60	44	1,73	38	1,5	88	3,46	27	1,06	27	1,06	
12	A	SS 34 GAS F	NS 34 GAS M	3/4" BSP	DIN 3852-2-X	82,5	3,25	53,5	2,11	48	1,89	107	4,21	34	1,34	34	1,34	
		* SS 34 NPT F	* NS 34 NPT M	3/4" NPTF	ANSI B 1.20.3	82,5	3,25	53,5	2,11	48	1,89	107	4,21	34	1,34	34	1,34	
		* SS 34 JPT F	* NS 34 JPT M	3/4" JPT	JIS B 0203	82,5	3,25	53,5	2,11	48	1,89	107	4,21	34	1,34	34	1,34	
16	A	SS 1 GAS F	NS 1 GAS M	1" BSP	DIN 3852-2-X	100	3,94	66	2,60	56	2,2	132	5,20	41	1,61	41	1,61	
		* SS 1 NPT F	* NS 1 NPT M	1" NPTF	ANSI B 1.20.3	100	3,94	66	2,60	56	2,2	132	5,20	41	1,61	41	1,61	
		* SS 1 JPT F	* NS 1 JPT M	1" JPT	JIS B 0203	100	3,94	66	2,60	56	2,2	132	5,20	41	1,61	41	1,61	

❖ Size GAS = BSP *On request

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

Features

- **Connection system:** pulling back the sleeve
- **Disconnection system:** pulling back the sleeve
- **Shut-off system:** poppet valve
- **Connectability:** without pressure
- **Disconnection under pressure:** not allowed
- **Interchangeability:** according to ISO 7241-1 part A standard

- Balls latching system
- Guidevalve with mechanical backstop

Accessories and spare part kit

See at pages 28-30.



Technical data

Size ◇	DN Nominal diameter		Rated flow		Force to connect		Max. work pressure *		Minimum burst pressure						Fluid spillage cc max.
	mm	inc.	l/min	GPM	N	lb	MPa	PSI	Connected		Male		Female		
									MPa	PSI	MPa	PSI	MPa	PSI	
1/4" 04	4.5	0.18	9	2.4	45	10	40	5800	225	32625	165	23925	160	23200	0,5
3/8" 06	8	0.31	40	10.5	80	17.6	30	4350	150	21750	120	17400	120	17400	1,1
1/2" 08									See NV 1/2" series page 6						
3/4" 12	14	0.55	180	47.6	150	34	25	3625	100	14500	100	14500	100	14500	8
1" 16	17.5	0.69	270	71.4	180	39.6	23	3335	95	13775	95	13775	96	13920	13
1 1/4" 20	24	0.95	330	87.3	170	37.5	22	3190	102	14790	90	13050	92	13340	20
1 1/2" 24	29.5	1.16	450	119	255	56	20	2900	85	12325	80	11600	80	11600	32
2" 32	47	1.85	900	238	440	97	15	2175	70	10150	60	8700	62	8990	85

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

Pressure drop graph:

test bench to ISO 7241-2 specifications with ISO VG 32 oil at 40°C (104°F) temperature.

Materials:

- Female in steel with wear parts carbonitrided.
- Male in high grade carbon steel induction hardened.
- Steel hardened valve.
- Surface treatment: zinc plating and Cr III passivation.
- Springs in C98 steel.
- High resistance balls 100 C6.

Seals:

Standard in oilproof NBR (Nitrile Rubber).
On request: Viton, Neoprene, EPDM or other seals.

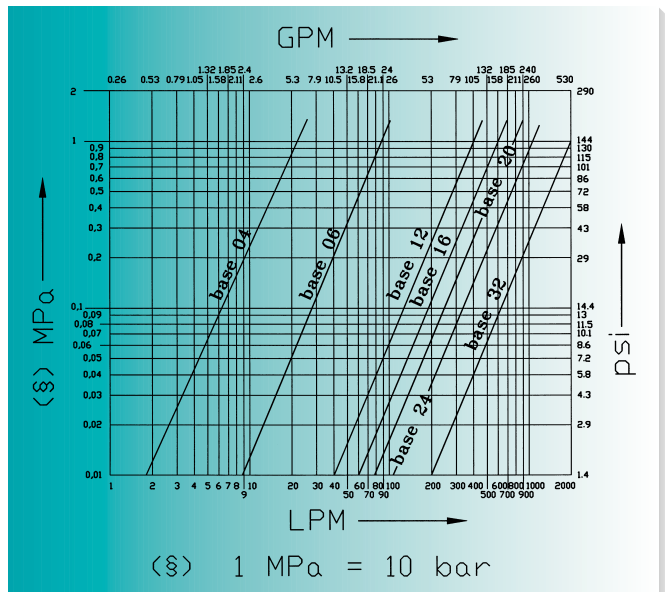
Antiextrusion rings:

In pure PTFE.

Working temperatures:

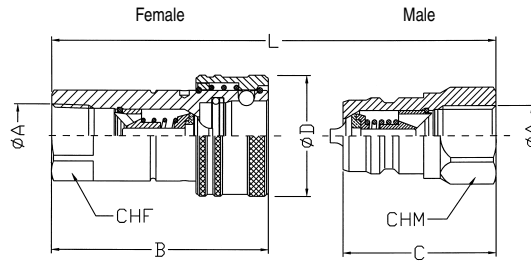
with standard seals in NBR (Nitrile Rubber) from -25°C (-13°F) to +125°C (+257°F).

For temperature exceeding these values, the quick-release coupling will be supplied with all components in steel together with the suitable seals.



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Series ANV



Threaded end	❖	Threaded end	Female	Male	Thread Ø A	Standards	B		C		Ø D		L		CHF		CHM	
							mm	inc.	mm	inc.	mm	inc.	mm	inc.	mm	inc.	mm	inc.
04	A	ANV 14 GAS F	ANV 14 GAS M	1/4" BSP	DIN 3852-2-X	47,2	1,86	38,6	1,52	25	0,98	71,3	2,81	19	0,75	19	0,75	
		ANV 14 NPT F	ANV 14 NPT M	1/4" NPTF	ANSI B 1.20.3	47,2	1,86	38,6	1,52	25	0,98	71,3	2,81	19	0,75	19	0,75	
06	A	ANV 14 JPT F	ANV 14 JPT M	1/4" JPT	JIS B 0203	47,2	1,86	38,6	1,52	25	0,98	71,3	2,81	19	0,75	19	0,75	
		* ANV 1415 F	* ANV 1415 M	M14x1,5	DIN 3852-2-X	47,2	1,86	38,6	1,52	25	0,98	71,3	2,81	19	0,75	19	0,75	
08	B	ANV 14-38S F	ANV 14-38S M	9/16" UNF	SAE J1926-1	47,2	1,86	38,6	1,52	25	0,98	71,3	2,81	19	0,75	19	0,75	
		ANV 0/1415 F	ANV 0/1415 M	M14x1,5	ISO 6149-1	47,2	1,86	38,6	1,52	25	0,98	71,3	2,81	19	0,75	19	0,75	
12	A	ANV 38 GAS F	ANV 38 GAS M	3/8" BSP	DIN 3852-2-X	57	2,24	39	1,54	32	1,26	78	3,07	22	0,87	22	0,87	
		ANV 38 NPT F	ANV 38 NPT M	3/8" NPTF	ANSI B 1.20.3	57	2,24	39	1,54	32	1,26	78	3,07	22	0,87	22	0,87	
16	A	ANV 38 JPT F	ANV 38 JPT M	3/8" JPT	JIS B 0203	57	2,24	39	1,54	32	1,26	78	3,07	22	0,87	22	0,87	
		ANV 1815 F	ANV 1815 M	M18x1,5	DIN 3852-2-X	57	2,24	39	1,54	32	1,26	78	3,07	22	0,87	22	0,87	
20	B	ANV 38-38SAE F	ANV 38-38SAE M	9/16" UNF	SAE J1926-1	57	2,24	39	1,54	32	1,26	78	3,07	22	0,87	22	0,87	
24	A	NV series 1/2" size						see page 7										
28	A	ANV 34 GAS F	ANV 34 GAS M	3/4" BSP	DIN 3852-2-X	82,5	3,25	55	2,17	48	1,89	110	4,33	34	1,34	34	1,34	
		ANV 34 NPT F	ANV 34 NPT M	3/4" NPTF	ANSI B 1.20.3	82,5	3,25	55	2,17	48	1,89	110	4,33	34	1,34	34	1,34	
32	A	ANV 34 JPT F	ANV 34 JPT M	3/4" JPT	JIS B 0203	82,5	3,25	55	2,17	48	1,89	110	4,33	34	1,34	34	1,34	
		* ANV 2415 F	* ANV 2415 M	M24x1,5	DIN 3852-2-X	82,5	3,25	55	2,17	48	1,89	110	4,33	34	1,34	34	1,34	
36	B	ANV 34-34SAE F	ANV 34-34SAE M	1 1/16" UN	SAE J1926-1	82,5	3,25	55	2,17	48	1,89	110	4,33	34	1,34	34	1,34	
40	A	ANV 1 GAS F	ANV 1 GAS M	1" BSP	DIN 3852-2-X	100	3,94	66	2,60	56	2,2	132	5,2	41	1,61	41	1,61	
		ANV 1 NPT F	ANV 1 NPT M	1" NPTF	ANSI B 1.20.3	100	3,94	66	2,60	56	2,2	132	5,2	41	1,61	41	1,61	
44	A	ANV 1 JPT F	ANV 1 JPT M	1" JPT	JIS B 0203	100	3,94	66	2,60	56	2,2	132	5,2	41	1,61	41	1,61	
		* ANV 302 F	* ANV 302 M	M30x2	DIN 3852-2-X	100	3,94	66	2,60	56	2,2	132	5,2	41	1,61	41	1,61	
48	B	ANV 1-1SAE F	ANV 1-1SAE M	1 5/16" UN	SAE J1926-1	100	3,94	66	2,60	56	2,2	132	5,2	41	1,61	41	1,61	
52	A	ANV 114 GAS F	ANV 114 GAS M	1 1/4" BSP	DIN 3852-2-X	115	4,53	73	2,87	70	2,76	146	5,75	50	1,97	50	1,97	
		ANV 114 NPT F	ANV 114 NPT M	1 1/4" NPTF	ANSI B 1.20.3	115	4,53	73	2,87	70	2,76	146	5,75	50	1,97	50	1,97	
56	A	ANV 114 JPT F	ANV 114 JPT M	1 1/4" JPT	JIS B 0203	115	4,53	73	2,87	70	2,76	146	5,75	50	1,97	50	1,97	
		* ANV 114-114S F	* ANV 114-114S M	1 5/8" UN	SAE J1926-1	115	4,53	73	2,87	70	2,76	146	5,75	50	1,97	50	1,97	
60	A	ANV 112 GAS F	ANV 112 GAS M	1 1/2" BSP	DIN 3852-2-X	133	5,22	83	3,27	84	3,31	166	6,54	60	2,36	60	2,36	
		ANV 112 NPT F	ANV 112 NPT M	1 1/2" NPTF	ANSI B 1.20.3	133	5,22	83	3,27	84	3,31	166	6,54	60	2,36	60	2,36	
64	A	ANV 112 JPT F	ANV 112 JPT M	1 1/2" JPT	JIS B 0203	133	5,22	83	3,27	84	3,31	166	6,54	60	2,36	60	2,36	
		* ANV 112-112S F	* ANV 112-112S M	1 7/8" UN	SAE J1926-1	133	5,22	83	3,27	84	3,31	166	6,54	60	2,36	60	2,36	
68	B																	
72	A	* ANV 2 GAS F	* ANV 2 GAS M	2" BSP	DIN 3852-2-X	161	6,34	100	3,94	100	3,94	200	7,87	75	2,95	75	2,95	
		ANV 2 NPT F	ANV 2 NPT M	2" NPTF	ANSI B 1.20.3	161	6,34	100	3,94	100	3,94	200	7,87	75	2,95	75	2,95	
76	A	ANV 2 JPT F	ANV 2 JPT M	2" JPT	JIS B 0203	161	6,34	100	3,94	100	3,94	200	7,87	75	2,95	75	2,95	
		* ANV 2-2S F	* ANV 2-2S M	2 1/2" UN	SAE J1926-1	161	6,34	100	3,94	100	3,94	200	7,87	75	2,95	75	2,95	
80	B																	

❖ Size GAS = BSP *On request

► Features

- **Connection system:** pulling back the sleeve
- **Disconnection system:** pulling back the sleeve
- **Shut-off system:** poppet valve
- **Connectability:** without pressure
- **Disconnection under pressure:** not allowed
- **Interchangeability:** according to ISO 7241-1 part B standard
- Balls-latching system
- Guidevalve with mechanical backstop
- Suitable for industrial applications
- Available versions in AISI 316 stainless steel (HNV...2 series) and in Brass (HNV...5 series)
- Available versions for free flow (HNL series) and with additional safety sleeve (HSV series)
- Seals in Viton, EPDM and other compounds

► Special versions

Series HNV Viton

► Features

- **Connection system:** pulling back the sleeve
- **Disconnection system:** pulling back the sleeve
- **Shut-off system:** poppet valve
- **Connectability:** without pressure
- **Disconnection under pressure:** not allowed
- **Interchangeability:** according to ISO 7241-1 part B standard
- Guidevalve in steel
- Viton seals for high temperature applications up to +200°C (+392°F)
- Suitable for heavy duty applications with flow peaks and hydraulic water hammers.

► Accessories and spare part kit

See at pages 28-30.

Pressure drop graph:
test bench to ISO 7241-2 specifications with ISO VG 32 oil at 40°C (104°F) temperature.

- Materials:**
- Female in steel with wear parts carbonitrided.
 - Male in high grade carbon steel, induction hardened.
 - Steel hardened valve.
 - Surface treatment: zinc plating and Cr III passivation.
 - Springs in C98 steel.
 - High resistance balls 100 C6.

Seals:
Standard in oilproof NBR (Nitrile Rubber).
On request: Viton, Neoprene, EPDM or other seals.

Antiextrusion rings:

In pure PTFE.
Working temperatures:
with standard seals in NBR (Nitrile Rubber) from -25°C (-13°F) to +125°C (+257°F).
For temperature exceeding these values, the quick-release coupling will be supplied with all components in steel together with the suitable seals.

Series HNV

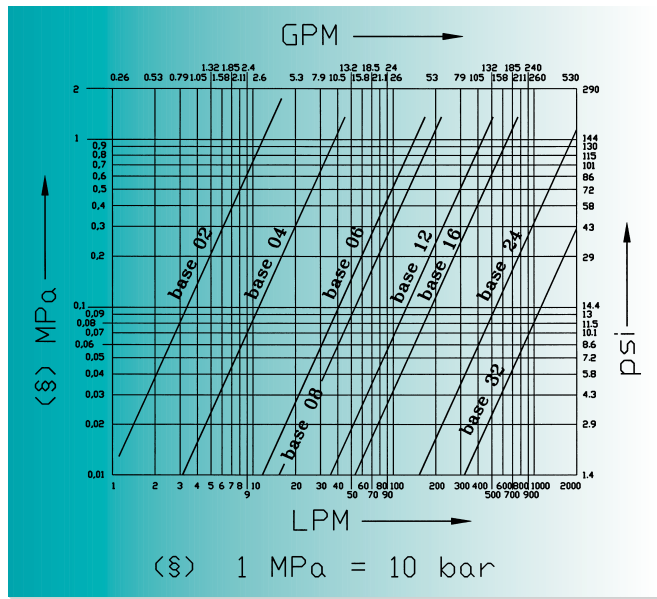


Series HSV

► Features

- **Connection system:** pulling back the sleeve
- **Disconnection system:** pulling back the sleeve
- **Shut-off system:** poppet valve
- **Connectability:** without pressure
- **Disconnection under pressure:** not allowed
- **Interchangeability:** according to ISO 7241-1 part B standard
- Additional safety sleeve to prevent accidental disconnection

For more details, please contact **Faster Research & Development Dept.**

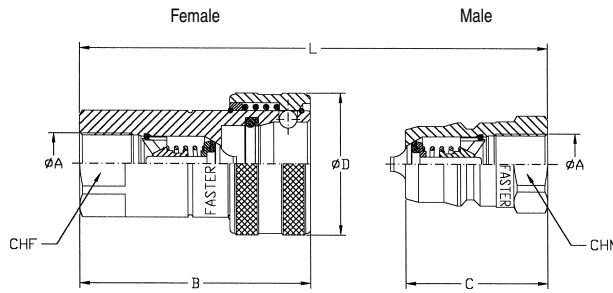


The descriptions and illustrations in this catalogue are for information only and are not binding.

► Available items



Series **HNV**



Threaded end	❖	Threaded end	Female		Male		Thread Ø A	Standards	B		C		Ø D		L		CHF		CHM	
			mm	inc.	mm	inc.			mm	inc.	mm	inc.	mm	inc.	mm	inc.	mm	inc.	mm	inc.
A	02	A	HNV 18 GAS F HNV 18 NPT F	HNV 18 GAS M HNV 18 NPT M	1/8" BSP 1/8" NPT	DIN 3852-2-X ANSI B 1.20.3	50	1,97	31,5	1,24	23	0,91	63	2,48	18	0,71	17	0,67		
		B	* HNV 18-38SAE F	HNV 18-38SAE M	9/16" UNF	SAE J1926-1	50	1,97	33	1,30	23	0,91	63	2,48	18	0,71	19	0,75		
A	04	A	HNV 14 GAS F HNV 14 NPT F	HNV 14 GAS M HNV 14 NPT M	1/4" BSP 1/4" NPT	DIN 3852-2-X ANSI B 1.20.3	56	2,20	35	1,38	28	1,1	70	2,76	19	0,75	19	0,75		
		B	HNV 14-38SAE F	HNV 14-38SAE M	9/16" UNF	SAE J1926-1	60	2,36	39	1,54	28	1,1	78	3,07	19	0,75	19	0,75		
A	06	A	HNV 38 GAS F HNV 38 NPT F	HNV 38 GAS M HNV 38 NPT M	3/8" BSP 3/8" NPT	DIN 3852-2-X ANSI B 1.20.3	64	2,52	39	1,54	35	1,38	78	3,07	24	0,94	22	0,87		
		B	HNV 38-38SAE F	HNV 38-38SAE M	9/16" UNF	SAE J1926-1	64	2,52	39	1,54	35	1,38	78	3,07	24	0,94	22	0,87		
A	08	A	HNV 12 GAS F HNV 12 NPT F	HNV 12 GAS M HNV 12 NPT M	1/2" BSP 1/2" NPT	DIN 3852-2-X ANSI B 1.20.3	71,5	2,81	44	1,73	44	1,73	88	3,46	30	1,18	27	1,06		
		B	HNV 12-12SAE F HNV 12-58SAE F	HNV 12-12SAE M HNV 12-58SAE M	3/4" UNF 7/8" UNF	SAE J1926-1 SAE J1926-1	71,5	2,81	44	1,73	44	1,73	88	3,46	30	1,18	27	1,06		
A	12	A	HNV 34 GAS F HNV 34 NPT F	HNV 34 GAS M HNV 34 NPT M	3/4" BSP 3/4" NPT	DIN 3852-2-X ANSI B 1.20.3	89	3,5	55	2,16	52	2,05	110	4,33	36	1,42	34	1,34		
		B	HNV 34-34SAE F	HNV 34-34SAE M	1 1/16" UN	SAE J1926-1	89	3,5	55	2,16	52	2,05	110	4,33	36	1,42	34	1,34		
A	16	A	HNV 1 GAS F HNV 1 NPT F	HNV 1 GAS M HNV 1 NPT M	1" BSP 1" NPTF	DIN 3852-2-X ANSI B 1.20.3	106	4,17	66	2,6	62	2,44	132	5,19	41	1,61	41	1,61		
		B	HNV 1-1SAE F	HNV 1-1SAE M	1 5/16" UN	SAE J1926-1	106	4,17	66	2,6	62	2,44	132	5,19	41	1,61	41	1,61		
A	24	A	HNV 112-114 GAS F HNV 112 GAS F HNV 112-114 NPT F HNV 112 NPT F	HNV 112-114 GAS M HNV 112 GAS M HNV 112-114 NPT M HNV 112 NPT M	1 1/4" BSP 1 1/2" BSP 1 1/4" NPT 1 1/2" NPT	DIN 3852-2-X DIN 3852-2-X ANSI B 1.20.3 ANSI B 1.20.3	126	4,96	126	4,96	75	2,95	199	7,83	65	2,56	65	2,56		
		B	* HNV 112-114 SAE F HNV 112-112 SAE F	* HNV 112-114 SAE M HNV 112-112 SAE M	1 5/8" UN 1 7/8" UN	SAE J1926-1 SAE J1926-1	123	4,84	123	4,84	75	2,95	193	7,6	65	2,56	65	2,56		
A	32	A	HNV 2 GAS F HNV 2 NPT F HNV 2-212 NPT F HNV 2-3 NPT F	HNV 2 GAS M HNV 2 NPT M HNV 2-212 NPT M HNV 2-3 NPT M	2" BSP 2" NPT 2 1/2" NPT 3" BSP	DIN 3852-2-X ANSI B 1.20.3 ANSI B 1.20.3 ANSI B 1.20.3	142	5,59	142	5,59	105	4,13	220	8,66	90	3,54	90	3,54		
		B	* HNV 2-2S F	* HNV 2-2S M	2 1/2" UN	SAE J1926-1	169	6,65	169	6,65	105	4,13	274	10,8	95	3,74	95	3,74		

❖ Size GAS = BSP *On request

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

► Technical data

Size ❖	DN Nominal diameter		Rated flow		Force to connect		Max. work pressure *		Minimum burst pressure						Fluid spillage cc max.
	mm	inc.	l/min	GPM	N	lb	MPa	PSI	Connected		Male		Female		
									MPa	PSI	MPa	PSI	MPa	PSI	
1/8" 02	4.5	0.2	7	1.8	65	14.3	40	5800	230	33350	160	23200	160	23200	0,5
1/4" 04	6	0.2	16	4.2	65	14.3	35	5075	155	22475	140	20300	170	24650	1,0
3/8" 06	9	0.4	60	15.9	80	17.6	32	4640	180	26100	130	18850	140	20300	1,5
1/2" 08	10.5	0.4	75	19.8	92	20.3	30	4350	150	21750	125	18125	130	18850	2,8
3/4" 12	16	0.6	190	30.3	120	26.4	25	3625	100	14500	110	15950	100	14500	10
1" 16	17.5	0.7	270	71.4	180	39.6	23	3335	106	15370	84	12180	90	13050	13
1 1/2" 24	38	1.5	750	198.4	185	40.7	14	2030	60	8700	56	8120	57	8265	80
2" 32	50	2	1600	423.3	160	35.2	9	1305	45	6525	38	5510	40	5800	160

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



► Features

- **Connection system:** pulling back the sleeve
- **Disconnection system:** pulling back the sleeve
- **Shut-off system:** poppet valve
- **Connectability:** without pressure
- **Disconnection under pressure:** not allowed
- **Interchangeability:** according to ISO 7241-1 part B standard

- Balls latching system
- Completely made of AISI 316 stainless steel
- Polishing treatment is a standard
- Seals in Viton, EPDM and other compounds

► Accessories and spare part kit

See at pages 28-30.

► Technical data

Size ◇	DN Nominal diameter		Rated flow		Force to connect		Max. work pressure *		Minimum burst pressure						Fluid spillage cc max.
	mm	inc.	l/min	GPM	N	lb	MPa	PSI	Connected		Male		Female		
									MPa	PSI	MPa	PSI	MPa	PSI	
1/4" 04	5	0.20	16	4.2	75	16.5	30	4350	200	29000	120	17400	125	18125	1,0
3/8" 06	8	0.31	40	10.6	78	17.2	25	3625	220	31900	106	15370	108	15660	1,5
1/2" 08	10	0.41	60	15.9	97	21.4	25	3625	165	23925	108	15660	110	15950	2,8
3/4" 12	14	0.55	110	29.1	180	39.6	25	3625	165	23925	100	14500	105	15225	10
1" 16	15	0.59	150	39.7	180	39.6	21	3045	106	15370	84	12180	90	13050	13
1 1/2" 24	38	1.50	750	198.4	185	40.7	14	2030	60	8700	56	8120	57	8265	80
2" 32	50	1.97	1600	423.3	160	35.2	9	1305	45	6525	38	5510	40	5800	160

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

Pressure drop graph:

test bench to ISO 7241-2 specifications with ISO VG 32 oil at 40°C (104°F) temperature.

Materials:

- Female and male in polished AISI 316 stainless steel.
- Springs, balls, valves and guidevalves in AISI 316 stainless steel.

Seals:

Standard in oilproof NBR (Nitrile Rubber).

On request: Viton, Neoprene, EPDM or other seals.

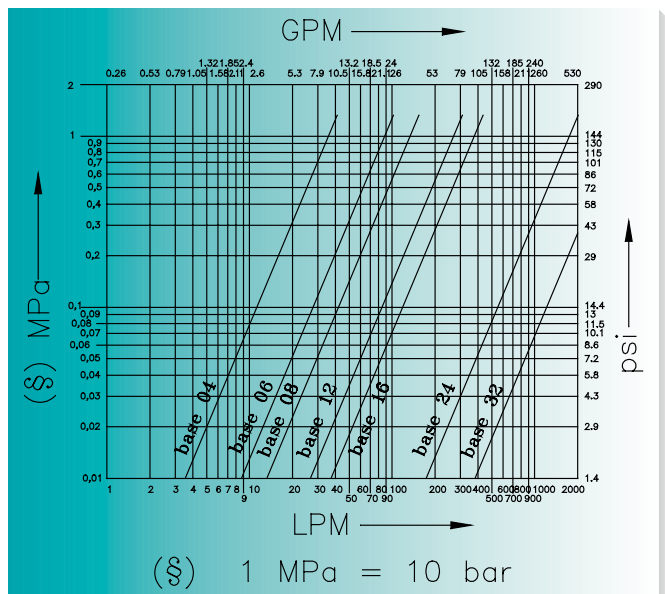
Antiextrusion rings:

In pure PTFE.

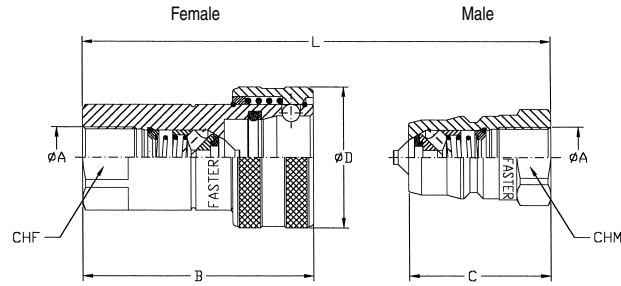
Working temperatures:

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

For temperature exceeding these values, the quick-release coupling will be supplied with all components in steel together with the suitable seals.



Series **HNV**
STAINLESS STEEL



Threaded end	❖	Threaded end	Female	Male	Thread Ø A	Standards	B		C		Ø D		L		CHF		CHM	
							mm	inc.	mm	inc.	mm	inc.	mm	inc.	mm	inc.	mm	inc.
04	A	HNV 14 GAS F2 HNV 14 NPT F2	HNV 14 GAS M2 HNV 14 NPT M2	1/4" BSP 1/4" NPTF	DIN 3852-2-X ANSI B 1.20.3	56	2,20	35	1,38	28	1,1	70	2,76	19	0,75	19	0,75	
	B	* HNV 14-38SAE F2	* HNV 14-38SAE M2	9/16" UNF	SAE J1926-1	56	2,20	35	1,38	28	1,1	70	2,76	19	0,75	19	0,75	
06	A	HNV 38 GAS F2 HNV 38 NPT F2	HNV 38 GAS M2 HNV 38 NPT M2	3/8" BSP 3/8" NPTF	DIN 3852-2-X ANSI B 1.20.3	64	2,52	39	1,54	35	1,38	78	3,07	24	0,94	22	0,87	
	B	* HNV 38-38S F2	* HNV 38-38S M2	9/16" UNF	SAE J1926-1	64	2,52	39	1,54	35	1,38	78	3,07	24	0,94	22	0,87	
08	A	HNV 12 GAS F2 HNV 12 NPT F2	HNV 12 GAS M2 HNV 12 NPT M2	1/2" BSP 1/2" NPTF	DIN 3852-2-X ANSI B 1.20.3	71,5	2,81	44	1,73	44	1,73	88	3,46	30	1,18	27	1,06	
	B	* HNV 12-12S F2 * HNV 12-58S F2	* HNV 12-12S M2 * HNV 12-58S M2	3/4" UNF 7/8" UNF	SAE J1926-1 SAE J1926-1	71,5	2,81	44	1,73	44	1,73	88	3,46	30	1,18	27	1,06	
12	A	HNV 34 GAS F2 HNV 34 NPT F2	HNV 34 GAS M2 HNV 34 NPT M2	3/4" BSP 3/4" NPTF	DIN 3852-2-X ANSI B 1.20.3	89	3,5	55	2,16	52	2,05	110	4,33	36	1,42	34	1,34	
	B	* HNV 34-34S F2	* HNV 34-34S M2	1 1/16" UN	SAE J1926-1	89	3,5	55	2,16	52	2,05	110	4,33	36	1,42	34	1,34	
16	A	HNV 1 GAS F2 HNV 1 NPT F2	HNV 1 GAS M2 HNV 1 NPT M2	1" BSP 1" NPTF	DIN 3852-2-X ANSI B 1.20.3	106	4,17	66	2,6	62	2,44	132	5,19	41	1,61	41	1,61	
	B	* HNV 1-1SAE F2	* HNV 1-1SAE M2	1 5/16" UN	SAE J1926-1	106	4,17	66	2,6	62	2,44	132	5,19	41	1,61	41	1,61	
24	A	HNV 112-114 GAS F2 HNV 112 GAS F2 HNV 112-114 NPT F2 HNV 112 NPT F2	HNV 112-114 GAS M2 HNV 112 GAS M2 HNV 112-114 NPT M2 HNV 112 NPT M2	1 1/4" BSP 1 1/2" BSP 1 1/4" NPTF 1 1/2" NPTF	DIN 3852-2-X DIN 3852-2-X ANSI B 1.20.3 ANSI B 1.20.3	126	4,96	126	4,96	75	2,95	199	7,83	65	2,56	65	2,56	
	B	* HNV 112-114S F2 * HNV 112-112S F2	* HNV 112-114S M2 * HNV 112-112S M2	1 5/8" UN 1 7/8" UN	SAE J1926-1 SAE J1926-1	123	4,84	123	4,84	75	2,95	193	7,6	65	2,56	65	2,56	
32	A	HNV 2 GAS F2 HNV 2 NPT F2 * HNV 2-212 NPT F2 HNV 2-3 NPT F2	HNV 2 GAS M2 HNV 2 NPT M2 * HNV 2-212 NPT M2 HNV 2-3 NPT M2	2" BSP 2" NPTF 2 1/2" NPTF 3" NPTF	DIN 3852-2-X ANSI B 1.20.3 ANSI B 1.20.3 ANSI B 1.20.3	142	5,59	142	5,59	105	4,13	220	8,66	90	3,54	90	3,54	
	B	* HNV 2-2SAE F2	* HNV 2-2SAE M2	2 1/2" UN	SAE J1926-1	142	5,59	142	5,59	105	4,13	220	8,66	90	3,54	90	3,54	

❖ Size GAS = BSP *On request

► Features

- **Connection system:** pulling back the sleeve
- **Disconnection system:** pulling back the sleeve
- **Shut-off system:** poppet valve
- **Connectability:** without pressure
- **Disconnection under pressure:** not allowed
- **Interchangeability:** according to ISO 7241-1 part B standard
- Balls latching system
- Completely made of brass according to EN 12164 standard
- Seals in Viton, EPDM and other compounds

► Accessories and spare part kit

See at pages 28-30.



► Technical data

Size ◇	DN Nominal diameter		Rated flow		Force to connect		Max. work pressure *		Minimum burst pressure						Fluid spillage cc max.	
	mm	inc.	l/min	GPM	N	lb	MPa	PSI	Connected		Male		Female			
									MPa	PSI	MPa	PSI	MPa	PSI		
1/8"	02	4	0.16	4.5	1.2	110	24.2	20	2900	130	18850	80	11600	100	14500	0,5
1/4"	04	5	0.20	16	4.2	75	16.5	17	2538	100	14500	70	10150	110	15950	1,0
3/8"	06	8	0.31	40	10.6	78	17.2	14	2030	108	15660	55	7975	58	8410	1,5
1/2"	08	10	0.41	60	15.9	97	21.4	16	2320	110	15950	65	9425	65	9425	2,8
3/4"	12	14	0.55	110	29.1	180	39.6	10	1450	102	14790	40	5800	50	7250	10
1"	16	15	0.59	150	39.7	180	39.6	14	2030	80	11600	55	7975	58	8410	13
1 1/2"	24	38	1.50	750	198.4	185	40.7	7	1015	40	5800	30	4350	33	4785	80
2"	32	50	1.97	1600	423.3	160	35.2	6	870	31	4495	25	3625	27	3915	160

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

Pressure drop graph:

test bench to ISO 7241-2 specifications with ISO VG 32 oil at 40°C (104°F) temperature.

Materials:

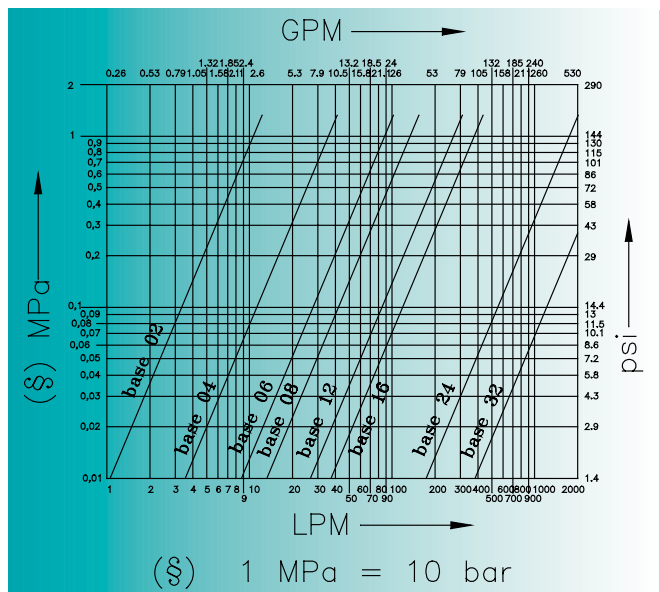
- Female, male, valves and guidevalves in brass according to EN 12164 standards.
- Springs and balls in AISI 316.

Seals:

Standard in oilproof NBR (Nitrile Rubber).
On request: Viton, Neoprene, EPDM or other seals.

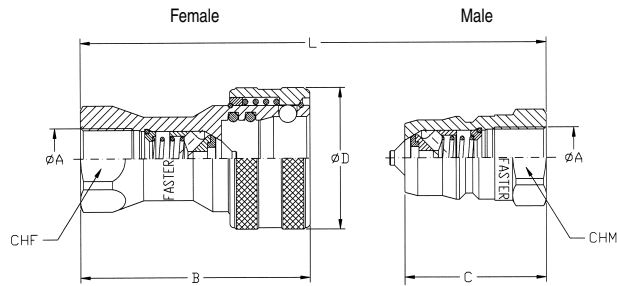
Working temperatures:

with standard seals in NBR (Nitrile Rubber) from -25°C (-13°F) to +125°C (+257°F).
For temperature exceeding these values, the quick-release coupling will be supplied with all components in steel together with the suitable seals.



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

Series **HNV BRASS**



Threaded end	❖ Threaded end	Female	Male	Thread Ø A	Standards	B		C		Ø D		L		CHF		CHM	
						mm	inc.	mm	inc.	mm	inc.	mm	inc.	mm	inc.	mm	inc.
02	A	HNV 18 GAS F5 HNV 18 NPT F5	HNV 18 GAS M5 HNV 18 NPT M5	1/8" BSP 1/8" NPTF	DIN 3852-2-X ANSI B 1.20.3	50	1,97	31,5	1,24	23	0,91	63	2,48	18	0,71	16	0,63
	B	* HNV 18-38S F5	* HNV 18-38S M5	9/16" UNF	SAE J1926-1	50	1,97	31,5	1,24	23	0,91	63	2,48	18	0,71	16	0,63
04	A	HNV 14 GAS F5 HNV 14 NPT F5	HNV 14 GAS M5 HNV 14 NPT M5	1/4" BSP 1/4" NPTF	DIN 3852-2-X ANSI B 1.20.3	56	2,20	35	1,38	28	1,1	70	2,76	19	0,75	19	0,75
	B	* HNV 14-38S F5	* HNV 14-38S M5	9/16" UNF	SAE J1926-1	56	2,20	35	1,38	28	1,1	70	2,76	19	0,75	19	0,75
06	A	HNV 38 GAS F5 HNV 38 NPT F5	HNV 38 GAS M5 HNV 38 NPT M5	3/8" BSP 3/8" NPTF	DIN 3852-2-X ANSI B 1.20.3	64	2,52	39	1,54	35	1,38	78	3,07	24	0,94	22	0,87
	B	* HNV 38-38S F5	* HNV 38-38S M5	9/16" UNF	SAE J1926-1	64	2,52	39	1,54	35	1,38	78	3,07	24	0,94	22	0,87
08	A	HNV 12 GAS F5 HNV 12 NPT F5	HNV 12 GAS M5 HNV 12 NPT M5	1/2" BSP 1/2" NPTF	DIN 3852-2-X ANSI B 1.20.3	71,5	2,81	44	1,73	44	1,73	88	3,46	30	1,18	27	1,06
	B	HNV 12-12SAE F5 * HNV 12-58S F5	HNV 12-12SAE M5 * HNV 12-58S M5	3/4" UN 7/8" UN	SAE J1926-1 SAE J1926-1	71,5	2,81	44	1,73	44	1,73	88	3,46	30	1,18	27	1,06
12	A	HNV 34 GAS F5 HNV 34 NPT F5	HNV 34 GAS M5 HNV 34 NPT M5	3/4" BSP 3/4" NPTF	DIN 3852-2-X ANSI B 1.20.3	89	3,5	55	2,16	52	2,05	110	4,33	36	1,42	34	1,34
	B	* HNV 34-34S F5	* HNV 34-34S M5	1 1/16" UN	SAE J1926-1	89	3,5	55	2,16	52	2,05	110	4,33	36	1,42	34	1,34
16	A	HNV 1 GAS F5 HNV 1 NPT F5	HNV 1 GAS M5 HNV 1 NPT M5	1" BSP 1" NPTF	DIN 3852-2-X ANSI B 1.20.3	106	4,17	66	2,6	62	2,44	132	5,19	41	1,61	41	1,61
	B	* HNV 1-1SAE F5	* HNV 1-1SAE M5	1 5/16" UN	SAE J1926-1	106	4,17	66	2,6	62	2,44	132	5,19	41	1,61	41	1,61
24	A	HNV 112-114 GAS F5 HNV 112 GAS F5 HNV 112-114 NPT F5 HNV 112 NPT F5	HNV 112-114 GAS M5 HNV 112 GAS M5 HNV 112-114 NPT M5 HNV 112 NPT M5	1 1/4" BSP 1 1/2" BSP 1 1/4" NPTF 1 1/2" NPTF	DIN 3852-2-X DIN 3852-2-X ANSI B 1.20.3 ANSI B 1.20.3	126	4,96	126	4,96	75	2,95	199	7,83	65	2,56	65	2,56
	B	* HNV 112-114S F5 * HNV 112-112S F5	* HNV 112-114S M5 * HNV 112-112S M5	1 5/8" UN 1 7/8" UN	SAE J1926-1 SAE J1926-1	123	4,84	123	4,84	75	2,95	193	7,6	65	2,56	65	2,56
32	A	HNV 2 GAS F5 HNV 2 NPT F5 * HNV 2-212 NPT F5 * HNV 2-3 NPT F5	HNV 2 GAS M5 HNV 2 NPT M5 * HNV 2-212 NPT M5 * HNV 2-3 NPT M5	2" BSP 2" NPTF 2 1/2" NPTF 3" NPTF	DIN 3852-2-X ANSI B 1.20.3 ANSI B 1.20.3 ANSI B 1.20.3	142	5,59	142	5,59	105	4,13	220	8,66	90	3,54	90	3,54
	B	* HNV 2-2S F	* HNV 2-2S M	2 1/2" UN	SAE J1926-1	169	6,65	169	6,65	105	4,13	280	11	95	3,74	95	3,74

❖ Size GAS = BSP *On request

Features

- **Connection system:** pulling back the sleeve
- **Disconnection system:** pulling back the sleeve
- **Shut-off system:** poppet valve
- **Connectability:** without pressure
- **Disconnection under pressure:** not allowed
- **Interchangeability:** US market
- Balls latching system
- Internal components with increased flow section

Accessories and spare part kit

See at pages 28-30.



Technical data

Size ◇	DN Nominal diameter		Rated flow		Force to connect		Max. work pressure *		Minimum burst pressure						Fluid spillage cc max.
	mm	inc.	l/min	GPM	N	lb	MPa	PSI	Connected		Male		Female		
									MPa	PSI	MPa	PSI	MPa	PSI	
1/4" 04	6	0.24	22	5.8	60	13.2	27.5	3987	110	15950	160	23200	110	15950	2
3/8" 06	8	0.31	65	17.2	58	12.8	30	4350	160	23200	180	26100	120	17400	3,2
1/2" 08	10	0.41	75	19.8	92	20.3	22	3190	85	12325	90	13050	85	12325	4
3/4" 12	15	0.59	170	50	110	24.2	19	2755	75	10875	75	10875	75	10875	14
1" 16	22	0.87	280	74	97	21.4	15	2175	60	8700	60	8700	60	8700	20
1 1/4" 20	28	1.10	450	119	110	24.2	10	1450	40	5800	50	7250	50	7250	45
1 1/2" 24	34	1.34	450	119	150	33	11	1595	45	6525	45	6525	45	6525	80
2" 32	47	1.85	1400	370	320	70.5	10	1450	40	5800	40	5800	40	5800	150

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

Pressure drop graph:

test bench to ISO 7241-2 specifications with ISO VG 32 oil at 40°C (104°F) temperature.

Materials:

- Female in steel with wear parts carbonitrided.
- Male in high grade carbon steel, induction hardened.
- Steel hardened valve.
- Surface treatment: zinc plating and Cr III passivation.
- Springs in C98 steel.
- High resistance balls 100 C6.

Seals:

Standard in oilproof NBR (Nitrile Rubber).
On request: Viton, Neoprene, EPDM or other seals.

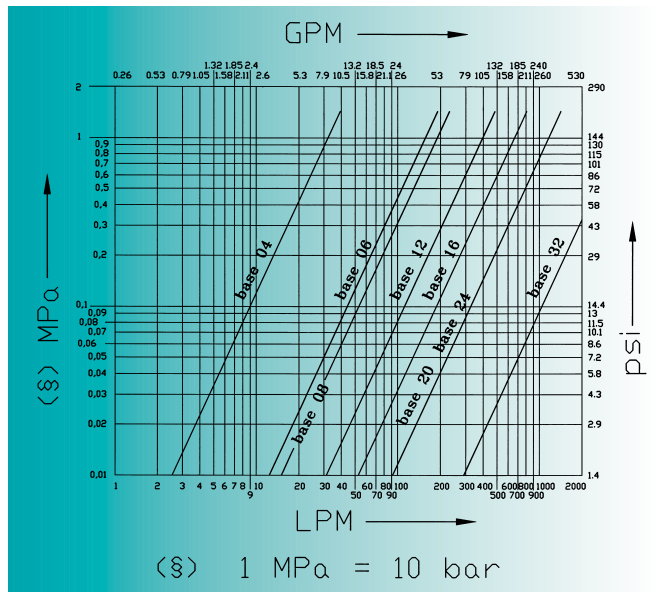
Antiextrusion rings:

In pure PTFE.

Working temperatures:

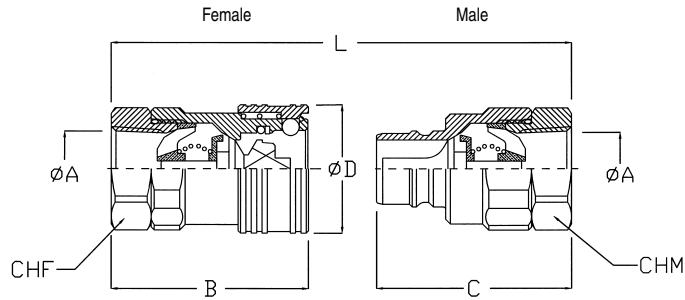
with standard seals in NBR (Nitrile Rubber) from -25°C (-13°F) to +125°C (+257°F).

For temperature exceeding these values, the quick-release coupling will be supplied with all components in steel together with the suitable seals.



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

Series TNV



Threaded end	❖	Threaded end	Female	Male	Thread Ø A	Standards	B		C		Ø D		L		CHF		CHM	
							mm	inc.	mm	inc.	mm	inc.	mm	inc.	mm	inc.	mm	inc.
A	04	A	* TNV 04 GAS F TNV 04 NPT F	* TNV 04 GAS M TNV 04 NPT M	1/4" BSP 1/4" NPTF	DIN 3852-2-X ANSI B 1.20.3	49,8 49,8	1,96 1,96	49 49	1,93 1,93	24 24	0,94 0,94	84 84	3,31 3,31	22 22	0,87 0,87	22 22	0,87 0,87
		B	* TNV 04 0/14S F	* TNV 04 0/14S M	7/16" UNF	SAE J1926-1	49,8	1,96	49	1,93	24	0,94	84	3,31	22	0,87	22	0,87
		C	TNV 04 1/14 NPT F * TNV 04 1/14S F	TNV 04 1/14 NPT M * TNV 04 1/14S M	1/4" NPTF 7/16" UNF	ANSI B 1.20.3 SAE 1926-3	62,8 62,8	2,47 2,47	62 62	2,44 2,44	24 24	0,94 0,94	110 110	4,33 4,33	22 22	0,87 0,87	22 22	0,87 0,87
A	06	A	* TNV 06 GAS F TNV 06 NPT F	* TNV 06 GAS M TNV 06 NPT M	3/8" BSP 3/8" NPTF	DIN 3852-2-X ANSI B 1.20.3	57 57	2,24 2,24	57 57	2,24 2,24	27 27	1,06 1,06	95,6 95,6	3,76 3,76	24 24	0,94 0,94	24 24	0,94 0,94
		B	* TNV 06 0/38S F	* TNV 06 0/38S M	9/16" UNF	SAE 1926-1	57	2,24	57	2,24	27	1,06	95,6	3,76	24	0,94	24	0,94
		C	* TNV 06 1/38 N F TNV 06 1/916 UNF F	* TNV 06 1/38 N M TNV 06 1/916 UNF M	3/8" NPTF 9/16" UNF	ANSI B 1.20.3 SAE 1926-3	71 71	2,80 2,80	71 71	2,80 2,80	27 27	1,06 1,06	123,6 123,6	4,87 4,87	24 24	0,94 0,94	24 24	0,94 0,94
A	08	A	* TNV 08 GAS F TNV 08 NPT F	* TNV 08 GAS M TNV 08 NPT M	1/2" BSP 1/2" NPTF	DIN 3852-2-X ANSI B 1.20.3	64,3 64,3	2,53 2,53	62,3 62,3	2,45 2,45	34 34	1,34 1,34	108,6 108,6	4,28 4,28	30 30	1,18 1,18	30 30	1,18 1,18
		B	TNV 08 0/34 UNF F	TNV 08 0/34 UNF M	3/4" UNF	SAE J1926-1	64,3	2,53	62,3	2,45	34	1,34	108,6	4,28	30	1,18	30	1,18
		C	TNV 08 1/12 NPT F TNV 08 1/34 UNF F	* TNV 08 1/12 NPT M TNV 08 1/34 UNF M	1/2" NPTF 3/4" UNF	ANSI B 1.20.3 SAE 1926-3	75,5 75,5	2,97 2,97	73,5 73,5	2,89 2,89	34 34	1,34 1,34	131 131	5,16 5,16	30 30	1,18 1,18	30 30	1,18 1,18
A	12	A	TNV 12 GAS F TNV 12 NPT F	TNV 12 GAS M TNV 12 NPT M	3/4" BSP 3/4" NPTF	DIN 3852-2-X ANSI B 1.20.3	64 64	2,52 2,52	63,5 63,5	2,50 2,50	42 42	1,65 1,65	127,5 127,5	5,02 5,02	36 36	1,42 1,42	36 36	1,42 1,42
		B	TNV 12 0/116UN F	TNV 12 0/116UN M	1 1/16" UN	SAE J1926-1	64	2,52	63,5	2,50	42	1,65	127,5	5,02	36	1,42	36	1,42
		C	* TNV 12 1/34 N F TNV 12 1/116UN F	* TNV 12 1/34 N M TNV 12 1/116UN M	3/4" NPTF 1 1/16" UN	ANSI B 1.20.3 SAE 1926-3	86 86	3,39 3,39	85,5 85,5	3,37 3,37	42 42	1,65 1,65	171,5 171,5	6,75 6,75	36 36	1,42 1,42	36 36	1,42 1,42
A	16	A	TNV 16 GAS F TNV 16 NPT F	TNV 16 GAS M TNV 16 NPT M	1" BSP 1" NPTF	DIN 3852-2-X ANSI B 1.20.3	70,5 70,5	2,78 2,78	68 68	2,68 2,68	50,5 50,5	1,99 1,99	115,5 115,5	4,55 4,55	46 46	1,81 1,81	46 46	1,81 1,81
		B	* TNV 16 0/1S F	* TNV 16 0/1S M	1 5/16" UN	SAE J1926-1	70,5	2,78	68	2,68	50,5	1,99	115,5	4,55	46	1,81	46	1,81
		C	* TNV 16 1/1N F * TNV 16 1/1S F	* TNV 16 1/1N M * TNV 16 1/1S M	1" NPTF 1 5/16" UN	ANSI B 1.20.3 SAE 1926-3	83,5 83,5	3,29 3,29	81 81	3,19 3,19	50,5 50,5	1,99 1,99	141,5 141,5	5,57 5,57	46 46	1,81 1,81	46 46	1,81 1,81
A	20	A	TNV 20 GAS F TNV 20 NPT F	TNV 20 GAS M TNV 20 NPT M	1 1/4" BSP 1 1/4" NPTF	DIN 3852-2-X ANSI B 1.20.3	96,3 96,3	3,79 3,79	91 91	3,58 3,58	56 56	2,2 2,2	164 164	6,46 6,46	50 50	1,97 1,97	50 50	1,97 1,97
		B	* TNV 20 0/114S F	* TNV 20 0/114S M	1 5/8" UN	SAE J1926-1	96,3	3,79	91	3,58	56	2,2	164	6,46	50	1,97	36	1,97
		C	* TNV 20 1/114N F * TNV 20 1/114S F	* TNV 20 1/114N M * TNV 20 1/114S M	1 1/4" NPTF 1 5/8" UN	ANSI B 1.20.3 SAE 1926-3	109 109	4,29 4,29	104 104	4,09 4,09	56 56	2,2 2,2	190 190	7,48 7,48	50 50	1,97 1,97	50 50	1,97 1,97
A	24	A	* TNV 24 GAS F TNV 24 NPT F	* TNV 24 GAS M TNV 24 NPT M	1 1/2" BSP 1 1/2" NPTF	DIN 3852-2-X ANSI B 1.20.3	90,5 90,5	3,56 3,56	85 85	3,35 3,35	70 70	2,76 2,76	148 148	5,83 5,83	65 65	2,56 2,56	65 65	2,56 2,56
		B	* TNV 24 0/112S F	* TNV 24 0/112S M	1 7/8" UN	SAE J1926-1	90,5	3,56	85	3,35	70	2,76	148	5,83	65	2,56	65	2,56
		C	* TNV 24 1/112N F * TNV 24 1/112S F	* TNV 24 1/112N M * TNV 24 1/112S M	1 1/2" NPTF 1 7/8" UN	ANSI B 1.20.3 SAE 1926-3	106 106	4,17 4,17	100 100	3,94 3,94	70 70	2,76 2,76	178 178	7,01 7,01	65 65	2,56 2,56	65 65	2,56 2,56
A	32	A	* TNV 32 GAS F TNV 32 NPT F	* TNV 32 GAS M TNV 32 NPT M	2" BSP 2" NPTF	DIN 3852-2-X ANSI B 1.20.3	102 102	4,02 4,02	98 98	3,86 3,86	90 90	3,54 3,54	166 166	6,54 6,54	89 89	3,5 3,5	89 89	3,5 3,5
		B	* TNV 32 0/2S F	* TNV 32 0/2S M	2 1/2" UN	SAE J1926-1	102	4,02	98	3,86	90	3,54	166	6,54	89	3,5	89	3,5
		C	* TNV 32 1/2N F * TNV 32 1/2S F	* TNV 32 1/2N M * TNV 32 1/2S M	2" NPTF 2 1/2" UN	ANSI B 1.20.3 SAE 1926-3	117 117	4,61 4,61	113 113	4,45 4,45	90 90	3,54 3,54	196 196	7,72 7,72	89 89	3,5 3,5	89 89	3,5 3,5

❖ Size GAS = BSP *On request

► Features

- **Connection system:** pulling back the sleeve
- **Disconnection system:** pulling back the sleeve
- **Shut-off system:** poppet valve
- **Connectability:** without pressure
- **Disconnection under pressure:** not allowed
- **Interchangeability:** US market
- Balls latching system
- Completely made of brass according to EN 12164 standard

► Accessories and spare part kit

See at pages 28-30.



► Technical data

Size ◇	DN Nominal diameter		Rated flow		Force to connect		Max. work pressure *		Minimum burst pressure						Fluid spillage cc max.	
	mm	inc.	l/min	GPM	N	lb	MPa	PSI	Connected		Male		Female			
									MPa	PSI	MPa	PSI	MPa	PSI		
1/4"	04	6	0.24	22	5.8	60	13.2	14	2030	60	8700	80	11600	55	7975	2
3/8"	06	8	0.31	65	17.2	58	12.8	15	2175	80	11600	90	13050	60	8700	3,5
1/2"	08	10	0.41	75	19.8	92	20.3	10	1450	45	6525	45	6525	40	5800	4
3/4"	12	15	0.59	170	50	110	24.2	9,5	1378	37	5365	37	5365	37	5365	14
1"	16	22	0.87	280	74	97	21.4	7,5	1088	30	4350	30	4350	30	4350	20
1 1/4"	20	28	1.10	450	119	110	24.2	5	725	20	2900	25	3625	25	3625	45
1 1/2"	24	34	1.34	450	119	150	33	5,5	798	22	3190	22	3190	22	3190	80
2"	32	47	1.85	1400	370	320	70.5	5,7	826	22	3190	22	3190	22	3190	150

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

Pressure drop graph:

test bench to ISO 7241-2 specifications with ISO VG 32 oil at 40°C (104°F) temperature.

Materials:

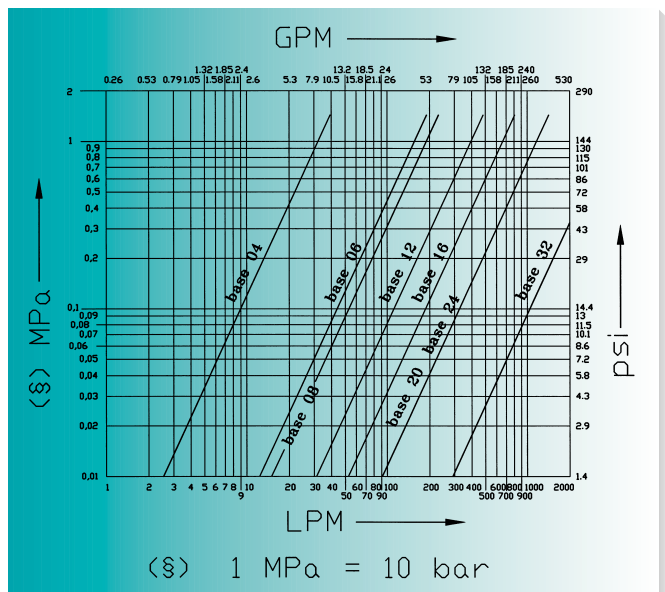
- Female, male, valves and guidevalves in brass according to EN 12164 standards.
- Springs and balls in AISI 316.

Seals:

Standard in oilproof NBR (Nitrile Rubber).
On request: Viton, Neoprene, EPDM or other seals.

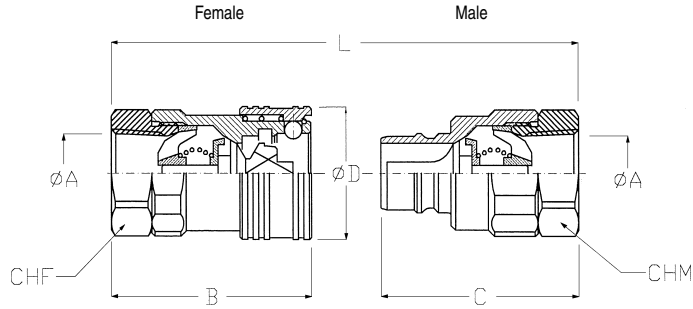
Working temperatures:

with standard seals in NBR (Nitrile Rubber) from -25°C (-13°F) to +125°C (+257°F).
For temperature exceeding these values, the quick-release coupling will be supplied with all components in steel together with the suitable seals.



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Series **TNV BRASS**



Threaded end	❖	Threaded end	Female		Male		Thread Ø A		Standards		B		C		Ø D		L		CHF		CHM	
			mm	inc.	mm	inc.	mm	inc.	mm	inc.	mm	inc.	mm	inc.	mm	inc.	mm	inc.	mm	inc.	mm	inc.
A	04	A	* TNV 04 GAS F5 * TNV 04 NPT F5	* TNV 04 GAS M5 * TNV 04 NPT M5	1/4" BSP 1/4" NPTF	DIN 3852-2-X ANSI B 1.20.3	49,8 49,8	1,96 1,96	49 49	1,93 1,93	24 24	0,94 0,94	84 84	3,31 3,31	22 22	0,87 0,87	22 22	0,87 0,87	22 22	0,87 0,87		
		B	* TNV 04 0/14S F5	* TNV 04 0/14S M5	7/16" UNF	SAE J1926-1	49,8	1,96	49	1,93	24	0,94	84	3,31	22	0,87	22	0,87	22	0,87		
		C	* TNV 04 1/14N F5 * TNV 04 1/14S F5	* TNV 04 1/14N M5 * TNV 04 1/14S M5	1/4" NPTF 7/16" UNF	ANSI B 1.20.3 SAE 1926-3	62,8 62,8	2,47 2,47	62 62	2,44 2,44	24 24	0,94 0,94	110 110	4,33 4,33	22 22	0,87 0,87	22 22	0,87 0,87	22 22	0,87 0,87		
A	06	A	* TNV 06 GAS F5 * TNV 04 NPT F5	* TNV 06 GAS M5 * TNV 04 NPT M5	3/8" BSP 3/8" NPTF	DIN 3852-2-X ANSI B 1.20.3	57 57	2,24 2,24	57 57	2,24 2,24	27 27	1,06 1,06	95,6 95,6	3,76 3,76	24 24	0,94 0,94	24 24	0,94 0,94	24 24	0,94 0,94		
		B	* TNV 04 0/38S F5	* TNV 04 0/38S M5	9/16" UNF	SAE J1926-1	57	2,24	57	2,24	27	1,06	87,7	3,45	24	0,94	24	0,94	24	0,94		
		C	* TNV 06 1/38N F5 * TNV 06 1/38S F5	* TNV 06 1/38N M5 * TNV 06 1/38S M5	3/8" NPTF 9/16" UNF	ANSI B 1.20.3 SAE 1926-3	71 71	2,80 2,80	71 71	2,80 2,80	27 27	1,06 1,06	123,6 123,6	4,87 4,87	24 24	0,94 0,94	24 24	0,94 0,94	24 24	0,94 0,94		
A	08	A	* TNV 08 GAS F5 * TNV 08 NPT F5	* TNV 08 GAS M5 * TNV 08 NPT M5	1/2" BSP 1/2" NPTF	DIN 3852-2-X ANSI B 1.20.3	64,3 64,3	2,53 2,53	62,3 62,3	2,45 2,45	34 34	1,34 1,34	108,6 108,6	4,28 4,28	30 30	1,18 1,18	30 30	1,18 1,18	30 30	1,18 1,18		
		B	* TNV 08 0/12S F5	* TNV 08 0/12S M5	3/4" UNF	SAE J1926-1	64,3	2,53	62,3	2,45	34	1,34	108,6	4,28	30	1,18	30	1,18	30	1,18		
		C	* TNV 08 1/12N F5 * TNV 08 1/12S F5	* TNV 08 1/12N M5 * TNV 08 1/12S M5	1/2" NPTF 3/4" UNF	ANSI B 1.20.3 SAE 1926-3	75,5 75,5	2,97 2,97	73,5 73,5	2,89 2,89	34 34	1,34 1,34	131 131	5,16 5,16	30 30	1,18 1,18	30 30	1,18 1,18	30 30	1,18 1,18		
A	12	A	* TNV 12 GAS F5 * TNV 12 NPT F5	* TNV 12 GAS M5 * TNV 12 NPT M5	3/4" BSP 3/4" NPTF	DIN 3852-2-X ANSI B 1.20.3	64 64	2,52 2,52	63,5 63,5	2,50 2,50	42 42	1,65 1,65	127,5 127,5	5,02 5,02	36 36	1,42 1,42	36 36	1,42 1,42	36 36	1,42 1,42		
		B	* TNV 12 0/34S F5	* TNV 12 0/34S M5	1 1/16" UN	SAE J1926-1	64	2,52	63,5	2,50	42	1,65	127,5	5,02	36	1,42	36	1,42	36	1,42		
		C	* TNV 12 1/34N F5 * TNV 12 1/34S F5	* TNV 12 1/34N M5 * TNV 12 1/34S M5	3/4" NPTF 1 1/16" UN	ANSI B 1.20.3 SAE 1926-3	86 86	3,39 3,39	85,5 85,5	3,37 3,37	42 42	1,65 1,65	171,5 171,5	6,75 6,75	36 36	1,42 1,42	36 36	1,42 1,42	36 36	1,42 1,42		
A	16	A	TNV 16 GAS F5 TNV 16 NPT F5	TNV 16 GAS M5 TNV 16 NPT M5	1" BSP 1" NPTF	DIN 3852-2-X ANSI B 1.20.3	70,5 70,5	2,78 2,78	68 68	2,68 2,68	50,5 50,5	1,99 1,99	115,5 115,5	4,55 4,55	48 48	1,89 1,89	48 48	1,89 1,89	48 48	1,89 1,89		
		B	* TNV 16 0/1S F5	* TNV 16 0/1S M5	1 5/16" UN	SAE J1926-1	70,5	2,78	68	2,68	50,5	1,99	115,5	4,55	48	1,89	48	1,89	48	1,89		
		C	* TNV 16 1/1N F5 * TNV 16 1/1S F5	* TNV 16 1/1N M5 * TNV 16 1/1S M5	1" NPTF 1 5/16" UN	ANSI B 1.20.3 SAE 1926-3	83,5 83,5	3,29 3,29	81 81	3,19 3,19	50,5 50,5	1,99 1,99	141,5 141,5	5,57 5,57	48 48	1,89 1,89	48 48	1,89 1,89	48 48	1,89 1,89		
A	20	A	* TNV 20 GAS F5 * TNV 20 NPT F5	* TNV 20 GAS M5 * TNV 20 NPT M5	1 1/4" BSP 1 1/4" NPTF	DIN 3852-2-X ANSI B 1.20.3	96,3 96,3	3,79 3,79	91 91	3,58 3,58	56 56	2,2 2,2	164 164	6,46 6,46	50 50	1,97 1,97	50 50	1,97 1,97	50 50	1,97 1,97		
		B	* TNV 20 0/114S F5	* TNV 20 0/114S M5	1 5/8" UN	SAE J1926-1	96,3	3,79	91	3,58	56	2,2	164	6,46	50	1,97	50	1,97	50	1,97		
		C	* TNV 20 1/114N F5 * TNV 20 1/114S F5	* TNV 20 1/114N M5 * TNV 20 1/114S M5	1 1/4" NPTF 1 5/8" UN	ANSI B 1.20.3 SAE 1926-3	109 109	4,29 4,29	104 104	4,09 4,09	56 56	2,2 2,2	190 190	7,48 7,48	50 50	1,97 1,97	50 50	1,97 1,97	50 50	1,97 1,97		
A	24	A	TNV 24 GAS F5 TNV 24 NPT F5	TNV 24 GAS M5 TNV 24 NPT M5	1 1/2" BSP 1 1/2" NPTF	DIN 3852-2-X ANSI B 1.20.3	90,5 90,5	3,56 3,56	85 85	3,35 3,35	70 70	2,76 2,76	148 148	5,83 5,83	65 65	2,56 2,56	65 65	2,56 2,56	65 65	2,56 2,56		
		B	* TNV 24 0/112S F5	* TNV 24 0/112S M5	1 7/8" UN	SAE J1926-1	90,5	3,56	85	3,35	70	2,76	148	5,83	65	2,56	65	2,56	65	2,56		
		C	* TNV 24 1/112N F5 * TNV 24 1/112S F5	* TNV 24 1/112N M5 * TNV 24 1/112S M5	1 1/2" NPTF 1 7/8" UN	ANSI B 1.20.3 SAE 1926-3	106 106	4,17 4,17	100 100	3,94 3,94	70 70	2,76 2,76	178 178	7,01 7,01	65 65	2,56 2,56	65 65	2,56 2,56	65 65	2,56 2,56		
A	32	A	* TNV 32 GAS F5 * TNV 32 NPT F5	* TNV 32 GAS M5 * TNV 32 NPT M5	2" BSP 2" NPTF	DIN 3852-2-X ANSI B 1.20.3	102 102	4,02 4,02	98 98	3,86 3,86	90 90	3,54 3,54	166 166	6,54 6,54	89 89	3,5 3,5	89 89	3,5 3,5	89 89	3,5 3,5		
		B	* TNV 32 0/25S F5	* TNV 32 0/25S M5	2 1/2" UN	SAE J1926-1	102	4,02	98	3,86	90	3,54	166	6,54	89	3,5	89	3,5	89	3,5		
		C	* TNV 32 1/2N F5 * TNV 32 1/2S F5	* TNV 32 1/2N M5 * TNV 32 1/2S M5	2" NPTF 2 1/2" UN	ANSI B 1.20.3 SAE 1926-3	117 117	4,61 4,61	113 113	4,45 4,45	90 90	3,54 3,54	196 196	7,72 7,72	89 89	3,5 3,5	89 89	3,5 3,5	89 89	3,5 3,5		

❖ Size GAS = BSP *On request

Features

- **Connection system:** pulling back the sleeve
- **Disconnection system:** pulling back the sleeve
- **Shut-off system:** free flow
- **Connectability:** without pressure
- **Disconnection under pressure:** not allowed
- **Interchangeability:** US market
- Balls latching system
- TNL male coupling is connectable with **standard TNV** female coupling
- For small quantity orders TNL female couplings are supplied with the TNV coupling body (see page 23)
- Data in the following tables are referred to minimum order quantities and FASTER stock availability

Accessories and spare part kit

See at pages 28-30.



Technical data

Size ◇	DN Nominal diameter		Rated flow		Force to connect		Max. work pressure *		Minimum burst pressure						Fluid spillage cc max.
	mm	inc.	l/min	GPM	N	lb	MPa	PSI	Connected		Male		Female		
									MPa	PSI	MPa	PSI	MPa	PSI	
1/4" 04	6.5	0.26	45	12.9	30	6.6	27,5	3987	110	15950					
3/8" 06	8.5	0.33	130	34.4	35	7.7	30	4350	160	23200					
1/2" 08	11	0.41	140	37	35	7.7	22	3190	85	12325					
3/4" 12	17	0.67	330	87.3	40	8.8	19	2755	75	10875					
1" 16	24	0.94	550	145.5	40	8.8	15	2175	60	8700					
1 1/4" 20	28	1.10	850	224.9	45	9.9	10	1450	40	5800					
1 1/2" 24	38	1.50	900	238	50	11	11	1595	45	6525					
2" 32	51	2.01	2000	529	70	15.4	10	1450	40	5800					

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

Pressure drop graph:

test bench to ISO 7241-2 specifications with ISO VG 32 oil at 40°C (104°F) temperature.

Materials:

- Female in steel with wear parts carbonitrided.
- Male induction hardened.
- Surface treatments: zinc plating and Cr III passivation.
- Springs in C98 steel.
- High resistance balls 100 C6.

Seals:

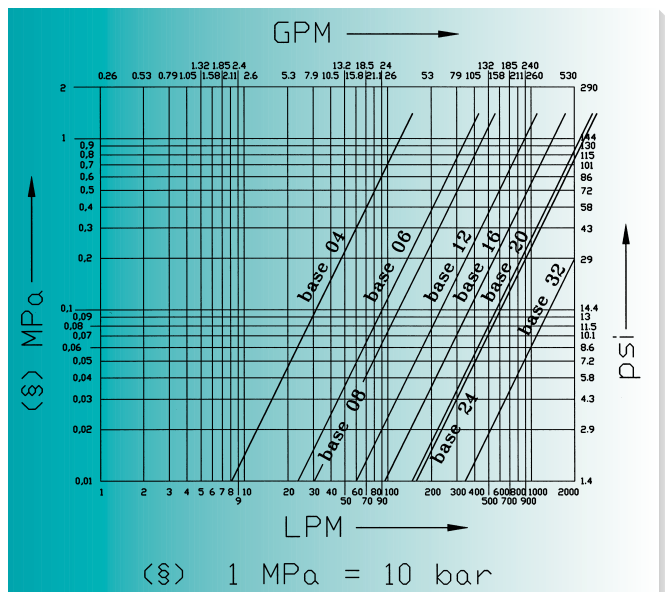
Standard in oilproof NBR (Nitrile Rubber).
On request: Viton, Neoprene, EPDM or other seals.

Antiextrusion rings:

In pure PTFE.

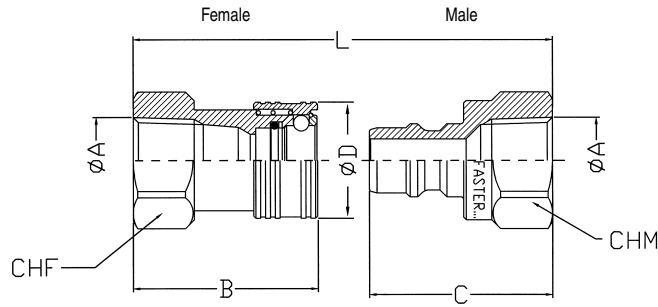
Working temperatures:

with standard seals in NBR (Nitrile Rubber) from -25°C (-13°F) to +125°C (+257°F).
For temperature exceeding these values, the quick-release coupling will be supplied with all components in steel together with the suitable seals.



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

Series TNL



Threaded end	❖	Threaded end	Female	Male	Thread Ø A	Standards	B#		C		Ø D		L		CHF		CHM	
							mm	inc.	mm	inc.	mm	inc.	mm	inc.	mm	inc.	mm	inc.
A	04	A	* TNL 04 GAS F TNL 04 NPT F	* TNL 04 GAS M TNL 04 NPT M	1/4" BSP 1/4" NPTF	DIN 3852-2-X ANSI B 1.20.3	32	1,26	32	1,26	24	0,94	49,2	1,94	19	0,75	16	0,63
		B	* TNL 04 0/14S F	* TNL 04 0/14S M	7/16" UNF	SAE J1926-1	32	1,26	32	1,26	24	0,94	49,2	1,94	19	0,75	16	0,63
		C	* TNL 04 1/14N F * TNL 04 1/14S F	* TNL 04 1/14N M * TNL 04 1/14S M	1/4" NPTF 7/16" UNF	ANSI B 1.20.3 SAE 1926-3	45	1,77	45	1,77	24	0,94	75	2,95	19	0,75	16	0,63
A	06	A	* TNL 06 GAS F TNL 06 NPT F	* TNL 06 GAS M TNL 06 NPT M	3/8" BSP 3/8" NPTF	DIN 3852-2-X ANSI B 1.20.3	36	1,42	36	1,42	27	1,06	53,6	2,11	24	0,94	24	0,94
		B	* TNL 06 0/38S F	* TNL 06 0/38S M	9/16" UNF	SAE J1926-1	36	1,42	36	1,42	27	1,06	53,6	2,11	24	0,94	24	0,94
		C	* TNL 06 1/38N F * TNL 06 1/38S F	* TNL 06 1/38N M * TNL 06 1/38S M	3/8" NPTF 9/16" UNF	ANSI B 1.20.3 SAE 1926-3	49	1,93	49	1,93	27	1,06	79	3,11	24	0,94	24	0,94
A	08	A	TNL 08 GAS F TNL 08 NPT F	TNL 08 GAS M TNL 08 NPT M	1/2" BSP 1/2" NPTF	DIN 3852-2-X ANSI B 1.20.3	40	1,57	40,5	1,59	34	1,34	62,5	2,46	27	1,06	27	1,06
		B	* TNL 08 0/12S F	* TNL 08 0/12S M	3/4" UNF	SAE J1926-1	40	1,57	40,5	1,59	34	1,34	62,5	2,46	27	1,06	27	1,06
		C	* TNL 08 1/12N F * TNL 08 1/12S F	* TNL 08 1/12N M * TNL 08 1/12S M	1/2" NPTF 3/4" UNF	ANSI B 1.20.3 SAE 1926-3	53	2,09	53,5	2,11	34	1,34	88,5	3,48	27	1,06	27	1,06
A	12	A	* TNL 12 GAS F TNL 12 NPT F	* TNL 12 GAS M TNL 12 NPT M	3/4" BSP 3/4" NPTF	DIN 3852-2-X ANSI B 1.20.3	45	1,77	45,5	1,79	42	1,65	68,5	2,7	34	1,34	34	1,34
		B	* TNL 12 0/34S F	* TNL 12 0/34S M	1 1/16" UN	SAE J1926-1	45	1,77	45,5	1,79	42	1,65	68,5	2,7	34	1,34	34	1,34
		C	* TNL 12 1/34N F * TNL 12 1/34S F	* TNL 12 1/34N M * TNL 12 1/34S M	3/4" NPTF 1 1/16" UN	ANSI B 1.20.3 SAE 1926-3	58	2,28	58,5	2,30	42	1,65	94,5	3,72	34	1,34	34	1,34
A	16	A	* TNL 16 GAS F TNL 16 NPT F	* TNL 16 GAS M TNL 16 NPT M	1" BSP 1" NPTF	DIN 3852-2-X ANSI B 1.20.3	53,5	2,11	51	2,01	50,5	1,99	81,5	3,21	46	1,81	41	1,61
		B	* TNL 16 0/1S F	* TNL 16 0/1S M	1 5/16" UN	SAE J1926-1	53,5	2,11	51	2,01	50,5	1,99	81,5	3,21	46	1,81	41	1,61
		C	* TNL 16 1/1N F * TNL 16 1/1S F	* TNL 16 1/1N M * TNL 16 1/1S M	1" NPTF 1 5/16" UN	ANSI B 1.20.3 SAE 1926-3	66,5	2,62	64	2,52	50,5	1,99	107	4,21	46	1,81	41	1,61
A	20	A	* TNL 20 GAS F TNL 20 NPT F	* TNL 20 GAS M TNL 20 NPT M	1 1/4" BSP 1 1/4" NPTF	DIN 3852-2-X ANSI B 1.20.3	59,3	2,33	54	2,13	56	2,2	90	3,54	50	1,97	48	1,89
		B	* TNL 20 0/114S F	* TNL 20 0/114S M	1 5/8" UN	SAE J1926-1	59,3	2,33	54	2,13	56	2,2	90	3,54	50	1,97	48	1,89
		C	* TNL 20 1/114N F * TNL 20 1/114S F	* TNL 20 1/114N M * TNL 20 1/114S M	1 1/4" NPTF 1 5/8" UN	ANSI B 1.20.3 SAE 1926-3	72,3	2,85	67	2,64	56	2,2	116	4,57	50	1,97	48	1,89
A	24	A	* TNL 24 GAS F TNL 24 NPT F	* TNL 24 GAS M TNL 24 NPT M	1 1/2" BSP 1 1/2" NPTF	DIN 3852-2-X ANSI B 1.20.3	75,5	2,97	70	2,76	70	2,76	118	4,65	65	2,56	65	2,56
		B	* TNL 24 0/112S F	* TNL 24 0/112S M	1 7/8" UN	SAE J1926-1	75,5	2,97	70	2,76	70	2,76	118	4,65	65	2,56	65	2,56
		C	* TNL 24 1/112N F * TNL 24 1/112S F	* TNL 20 1/112N M * TNL 20 1/112S M	1 1/2" NPTF 1 7/8" UN	ANSI B 1.20.3 SAE 1926-3	88,5	3,48	83	3,27	70	2,76	144	5,67	65	2,56	65	2,56
A	32	A	* TNL 32 GAS F TNL 32 NPT F	* TNL 32 GAS M TNL 32 NPT M	2" BSP 2" NPTF	DIN 3852-2-X ANSI B 1.20.3	74	2,91	70	2,76	90	3,54	110	4,33	85	3,35	75	2,95
		B	* TNL 32 0/2S F	* TNL 32 0/2S M	2 1/2" UN	SAE J1926-1	74	2,91	70	2,76	90	3,54	110	4,33	85	3,35	75	2,95
		C	* TNL 32 1/2N F * TNL 32 1/2S F	* TNL 32 1/2N M * TNL 32 1/2S M	2" NPTF 2 1/2" UN	ANSI B 1.20.3 SAE 1926-3	87	3,43	83	3,27	90	3,54	136	5,35	85	3,35	75	2,95

❖ Size GAS = BSP *On request

B#: dimensions on request, for small quantity orders see B dimension of TNL series at page 23

► Spare parts kit

When seals are damaged due to wear of foreign material, it is necessary to replace them. **Original FASTER® spare parts kit** are available. Detailed instructions are included to achieve the correct replacement of damaged parts. No special tools are required to carry out replacement. For seal changing do not use sharpened tools that could damage the new seals of the coupling itself.



Series	Product family	Size	Kit code		
			NBR	Viton	EPDM
NV	NV 14	1/4" 04	KIT N14	KIT N14 V	* KIT N14 E
	NV 38	3/8" 06	KIT N38	KIT N38 V	* KIT N38 E
	NV 12	1/2" 08	KIT N12	KIT N12 V	KIT N12 E
	NV 34	3/4" 12	KIT N34	* KIT N34 V	* KIT N34 E
	NV 1	1" 16	KIT N1	KIT N1 V	* KIT N1 E
	NV 114	1 1/4" 20	KIT N114	* KIT N114 V	* KIT N114 E
	NV 112	1 1/2" 24	KIT N112	KIT N112 V	* KIT N112 E
	NV 2	2" 32	KIT N2	* KIT N2 V	* KIT N2 E

* On request

ANV	ANV 14	1/4" 04	KIT A14	KIT A14 V	KIT A14 E
	ANV 38	3/8" 06	KIT A38	KIT A38 V	KIT A38 E
	ANV 12	1/2" 08	KIT N12	KIT N12 V	KIT N12 E
	ANV 34	3/4" 12	KIT A34	KIT A34 V	KIT A34 E
	ANV 1	1" 16	KIT A1	KIT A1 V	KIT A1 E
	ANV 114	1 1/4" 20	KIT A114	* KIT A114 V	* KIT A114 E
	ANV 112	1 1/2" 24	* KIT A112	* KIT A112 V	* KIT A112 E
	ANV 2	2" 32	* KIT A2	* KIT A2 V	* KIT A2 E

* On request

HNV	HNV 18	1/8" 02	KIT H18	* KIT H18 V	* KIT H18 E
	HNV 14	1/4" 04	KIT H14	KIT H14 V	KIT H14 E
	NNV 38	3/8" 06	KIT H38	KIT H38 V	KIT H38 E
	HNV 12	1/2" 08	KIT H12	KIT H12 V	KIT H12 E
	HNV 34	3/4" 12	KIT H34	* KIT H34 V	* KIT H34 E
	HNV 1	1" 16	KIT H1	KIT H1 V	* KIT H1 E
	HNV 112	1 1/2" 24	KIT H112	KIT H112 V	* KIT H112 E
	HNV 2	2" 32	KIT H2	KIT H2 V	* KIT H2 E
HNV Brass	HNV 18...5	1/8" 02	* KIT H18 5	* KIT H18 5V	* KIT H18 5E
	HNV 14...5	1/4" 04	KIT H14 5	* KIT H14 5V	* KIT H14 5E
	NNV 38...5	3/8" 06	KIT H38 5	* KIT H38 5V	* KIT H38 5E
	HNV 12...5	1/2" 08	KIT H12 5	KIT H12 5V	* KIT H12 5E
	HNV 34...5	3/4" 12	KIT H34 5	KIT H34 5V	* KIT H34 5E
	HNV 1...5	1" 16	KIT H1 5	* KIT H1 5V	* KIT H1 5E
	HNV 112...5	1 1/2" 24	* KIT H112 5	* KIT H112 5V	* KIT H112 5E
	HNV 2...5	2" 32	* KIT H2 5	* KIT H2 5V	* KIT H2 5E
HNV Stainless Steel	HNV 14...2	1/4" 04	KIT H14 2	KIT H14 2V	* KIT H14 2E
	HNV 38...2	3/8" 06	KIT H38 2	KIT H38 2V	KIT H38 2E
	NNV 12...2	1/2" 08	KIT H12 2	KIT H12 2V	KIT H12 2E
	HNV 34...2	3/4" 12	KIT H34 2	KIT H34 2V	KIT H34 2E
	HNV 1...2	1" 16	KIT H1 2	KIT H1 2V	KIT H1 2E
	HNV 112...2	1 1/2" 24	* KIT H112 2	* KIT H112 2V	* KIT H112 2E
	HNV 2...2	2" 32	* KIT H2 2	* KIT H2 2V	* KIT H2 2E

* On request

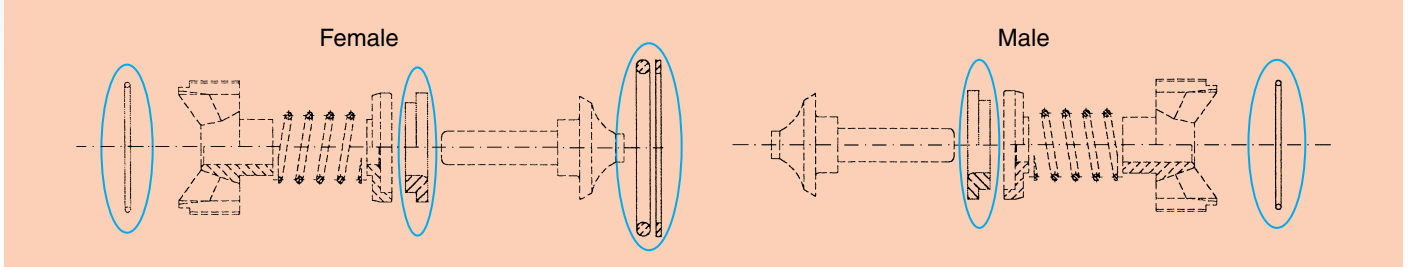
TNV	TNV 04	1/4" 04	KIT 04	* KIT 04 V	
	TNV 06	3/8" 06	KIT 06	* KIT 06 V	
	TNV 08	1/2" 08	KIT 08	* KIT 08 V	
	TNV 12	3/4" 12	KIT 12	KIT 12 V	
TNV Brass	TNV 16	1" 16	KIT 16	KIT 16 V	
	TNV 20	1 1/4" 20	KIT 20	KIT 20 V	
	TNV 24	1 1/2" 24	KIT 24	KIT 24 V	
	TNV 32	2" 32	KIT 32	KIT 32 V	

* On request

Please refer to the background colour of the table for kit combination.

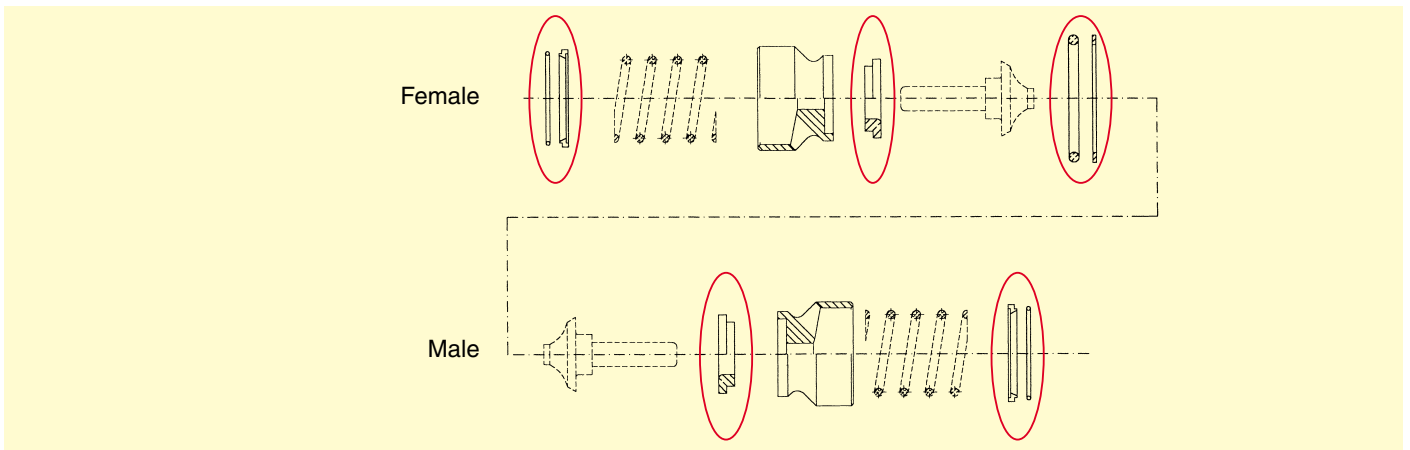
Series NV-ANV-HNV

Kit composition with standard NBR (Nitrile Rubber) seals.



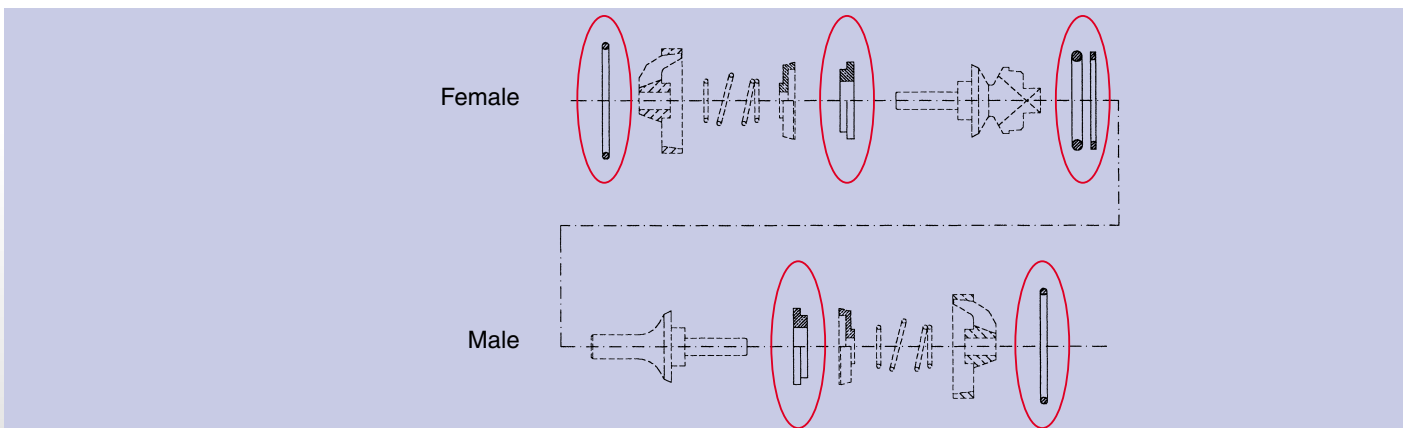
Series NV-ANV-HNV-HNV Brass-HNV Stainless steel

Kit composition with special seals in Viton and EPDM.



Series TNV-TNV Brass

Kit composition.



Dust protections

Original **FASTER**® protections are very useful, they keep the mating surfaces clean and protect the latching elements when the coupling halves are disconnected.

Standard protections are made of a special oilproof PVC which endures temperatures ranging from -30°C (-22°F) to +100°C (212°F). For higher temperatures and/or particular applications, the use of aluminium or stainless steel protections are recommended. PVC caps and plugs have standard colours depending on the product series:

- Blue colour** for NV, NS, NL, SV, SS couplings.
- Red colour** for HNV, TNV, TNL couplings.
- Yellow colour** for ANV couplings.

On request they can be supplied in other colours to satisfy particular needs. Please refer to the following tables for ordering codes.

Dust plug for female coupling



Dust cap for male coupling



Series	Size		Plug for female coupling			Cap for male coupling		
			PVC	Aluminium	Stainless steel	PVC	Aluminium	Stainless steel
NV-NS-NL-SV-SS Standard colour: BLUE	04	1/4"	TM 14	TM 14 S		TF 14	TF 14 S	
	06	3/8"	TM 38	* TM 38 S		TF 38	* TF 38 S	
	08	1/2"	TM 12L	* TM 12 S		TF 12	TF 12 S	
	12	3/4"	TM 34	* TM 34 S		TF 34	* TF 34 S	
	16	1"	TM 1	* TM 1 S		TF 1	* TF 1 S	
	20	1-1/4"		* TM 114 S			* TF 114 S	
	24	1-1/2"		* TM 112 S			* TF 112 S	
32	2"		TM 2 S			TF 2 S		
ANV Standard colour: YELLOW	04	1/4"	TMA 14	TMA 14 S		TFA 14	TFA 14 S	
	06	3/8"	TMA 38	* TMA 38 S		TFA 38	* TFA 38 S	
	08	1/2"	TM 12L/G	* TMA 12 S		TF 12 G	TF 12 S	
	12	3/4"	TMA 34	TMA 34 S		TFA 34	TFA 34 S	
	16	1"	TMA 1	TMA 1 S		TFA 1	TFA 1 S	
	20	1-1/4"		* TMA 114 S			* TFA 114 S	
	24	1-1/2"		* TMA 112 S			* TFA 112 S	
32	2"		* TMA 2 S			* TFA 2 S		
HNV Standard colour: RED	02	1/8"	TMH 18	* TMH 18 S		TFH 18	* TFH 18 S	
	04	1/4"	TMH 14	TMH 14 S	* TMH 14 SS	TFH 14	TFH 14 S	* TFH 14 SS
	06	3/8"	TMH 38	TMH 38 S	* TMH 38 SS	TFH 38	TFH 38 S	* THF 38 SS
	08	1/2"	TMH 12	TMH 12 S	* TMH 12 SS	TFH 12	TFH 12 S	* TFH 12 SS
	12	3/4"	TMH 34	TMH 34 S	* TMH 34 SS	TFH 34	TFH 34 S	* TFH 34 SS
	16	1"	TMH 1	* TMH 1 S	* TMH 1 SS	TFH 1	TFH 1 S	* TFH 1 SS
	24	1-1/2"		TMH 112 S	* TMH 112 SS		TFH 112 S	* TFH 112 SS
32	2"		* TMH 2 S	* TMH 2 SS		* TFH 2 S	* TFH 2 SS	
TNV - TNL Standard colour: RED	04	1/4"	TMH 18	TMT 04 S		TFH 18	TFT 04 S	
	06	3/8"		TMT 06 S			TFT 06 S	
	08	1/2"	TMA 38 R	* TMT 08 S		TFA 38	* TFT 08 S	
	12	3/4"	TMH 12	* TMT 12 S		TFH 12	* TFT 12 S	
	16	1"	TMH 34	TMT 16 S		TFH 34	TFT 16 S	
	20	1-1/4"		* TMT 20 S			* TFT 20 S	
	24	1-1/2"		* TMT 24 S			* TFT 24 S	
32	2"		TMT 32 S			* TFT 32 S		

* On request

PVC protections with non standard colours

colour	code
	blue ...B
	yellow ...G
	red ...R
	green ...V
	black ...N
	orange ...A

Es. TMA 34 V = male plug for 12 size (3/4") ANV series coupling, female part, green colour.

ALUMINIUM HANDWHEELS

Purposely designed for big size couplings (over 1-1/4") **FASTER**® aluminium handwheels make connection and disconnection very easy ensuring a perfect hold of the sleeve.

Series	Size		Code
NV	20	1 1/4"	* D NV 114
	24	1 1/2"	* D NV 112
	32	2"	* D NV 2
ANV	20	1 1/4"	* D ANV 114
	24	1 1/2"	* D ANV 112
	32	2"	* D ANV 2
HNV	24	1 1/2"	D HNV 112
	32	2"	D HNV 2
TNV	20	1 1/4"	* D TNV 114
	24	1 1/2"	D TNV 112
	32	2"	D TNV 2

* On request



► **DECOMPRESSION VALVE**

► **Features**

This product has been studied in order to allow connection and disconnection under full working pressure even with standard quick-release couplings not connectable under pressure. An additional feature is the possibility to use this product as a safety relief valve to decrease upstream pressure in case of emergency. VDM is extremely compact and is preassembled on threaded adaptors of several sizes and types. The hose barb for the drain line is 360° swinging in order to make the valve assembling in several positions easier.

► **Technical data**

Max. work pressure		Minimum burst pressure	
MPa	PSI	MPa	PSI
35	5.075	140	20.300

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



Materials:

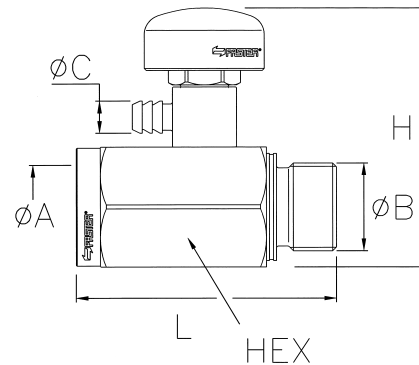
- High grade carbon steel.
- Valve in steel.
- Surface treatment: zinc plating and Cr III passivation.
- Springs in C98 steel.

Seals:

Standard in oilproof NBR (Nitrile Rubber) and Polyurethane.

Working temperatures:

From -25°C (-13°F) to +100°C (+212°F).



► **Available items**

Item code *	Thread (female) Ø A	Thread standards Ø A	Thread (male) Ø B	Thread standards Ø B	L		H		Ø C		HEX	
					mm	inc.	mm	inc.	mm	inc.	mm	inc.
VDM 0/22-1/22	M22x1,5	ISO 6149-1	M22x1,5	ISO 6149-2	65	2,56	65	2,56	8	0,31	30	1,18
VDM 12N-1/12N	1/2" NPTF	ANSI B 1.20.3	1/2" NPTF	ANSI B 1.20.3	66,5	2,62	62	2,44	8	0,31	27	1,06
VDM 12N-1/12S	1/2" NPTF	ANSI B 1.20.3	3/4"-16 UNF	SAE J1926-3	58,6	2,3	62	2,44	8	0,31	27	1,06
VDM 34N-1/34S	3/4" NPTF	ANSI B 1.20.3	1" 1/16-12 UN	SAE J1926-3	64,6	2,54	69	2,72	8	0,31	34	1,34

* Other versions on request



▶ **HNVN-HNVY series**

FASTER® HNPN and HNPV quick-release couplings are similar to HNV series couplings but are specifically designed to interchange with couplings on the Japanese market.

To connect and disconnect you just need to pull back the sleeve. Those couplings have sizes ranging from 1/4" to 1" and are made in Cr III passivated zinc steel.

They are threaded BSPT = JPT and working pressures are from 23 MPa (3335 PSI) to 40 MPa (5800 PSI).

Flow rates range between 8 litres per minute (2,11 GPM) and 150 litres per minute (39,7 GPM).

For ordering codes and any other information please contact **Faster Research & Development Dept.**

"Special" series

Series **HNPN**



Series **HNPV**





▶ **NZ series**

FASTER®s NZ quick-release couplings are similar to NV series couplings but are specifically designed to interchange with couplings on the Newzealand market in transport field.

To connect and disconnect you just need to pull back the sleeve. These couplings have sizes of 1" BSP threaded and are made in Cr III passivated zinced steel.

The working pressures is of 23 MPa (3335 PSI) and flow rate is 160 litres per minute (42 GPM).

For ordering codes and any other information please contact **Faster Research & Development Dept.**

"Special" series

Series **NZ**



▶ **NVB series**

FASTER®s NVB quick-release couplings are similar to NV series couplings but are specifically designed to interchange with couplings on the American market. To connect and disconnect you just need to pull back the sleeve. NVB series couplings are also available with a safety lock.

These couplings have sized of 1/4" BSP, BSPT, NPTF and SAE threaded and are made in Cr III passivated zinced steel.

The working pressure is of 40 MPa (5800 PSI) and flow rate is 8 litres per minute (2,11 GPM).

For ordering codes and any other information please contact **Faster Research & Development Dept.**

Series **NVB**



▶ CPV-CNV and CVV series

Quick-release couplings mainly used in agriculture. Push-Pull system makes connection and disconnection very easy. Conformity to ISO 7241-1 part A standards ensures worldwide interchangeability.

Series **CPV-GNV**



For further information and technical details please ask for the specific catalogue.



CAT. 0116-GB
CPV-CNV and CVV series

▶ THE NEW REVOLUTIONARY WAY OF THE QUICK-RELEASE COUPLINGS

- Wide range of BSP, METRIC, NPT, SAE threads which allows customer to adapt the product to its needs, saving extra-cost to buy adaptors.
- Valves are manufactured following the classic **FASTER**[®] method: induction hardened to avoid dents, equipped with special profiled anti-extrusion seal.
- Special design of internal sections reduces pressure drops to a minimum.
- Couplings with internal components completely made of steel and with Viton seals are available on request.
- Double action sleeve with **PUSH-PULL** connection system and **BREAKAWAY** feature.

FASTER[®] exclusive technology



► **Agricultural series**

This series of quick-release couplings has been specifically designed and produced for agricultural applications. Most couplings of this series are interchangeable and are used by **most major manufacturers of tractors and agricultural machines in the world.**

The conformity to ISO 7241-A Standard assures a perfect interchangeability between agricultural machines in the world. The VF series conforms to ISO 5676 Standards. It is produced to connect the hydraulic brake systems and is used in all Europe.



For further information and technical details please ask for the specific catalogue.

CAT. 0112-GB
Agricultural series



► **THE NEW REVOLUTIONARY WAY OF THE QUICK-RELEASE COUPLINGS**

- 1) Allows the connection with the male part under pressure (3 series).
- 2) Push-Pull connection.
- 3) The disconnection is achieved by pulling back the male part (**BREAKAWAY** feature).
- 4) Direct application on the valve or to rigid tubes.
- 5) Mechanical block of valves is automatic and prevents return line shut down even at high flow rate.
- 6) Dimensionally compact.
- 7) Wide range of threads.

Ask for our catalogues



CAT. 0110-I Italiano
CAT. 0110-GB English
CAT. 0110-F Français
General Line



CAT. 0111-I Italiano
CAT. 0111-GB English
Multifaster series



CAT. 0112-I Italiano
CAT. 0112-GB English
Agriculture series



CAT. 0113-I Italiano
CAT. 0113-GB English
FF Flat-Face series



CAT. 0114-I Italiano
CAT. 0114-GB English
Screw-on couplings series



CAT. 0115-I Italiano
CAT. 0115-GB English
Standard series



CAT. 0116-I Italiano
CAT. 0116-GB English
CPV-CNV and CVV series



CAT. 0117-I Italiano
CAT. 0117-GB English
DF series



CAT. 0118-I Italiano
CAT. 0118-GB English
RF series



CAT. 0119-I Italiano
CAT. 0119-GB English
VU series

► 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.



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



CAT 0115/09/06-GB

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