



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.

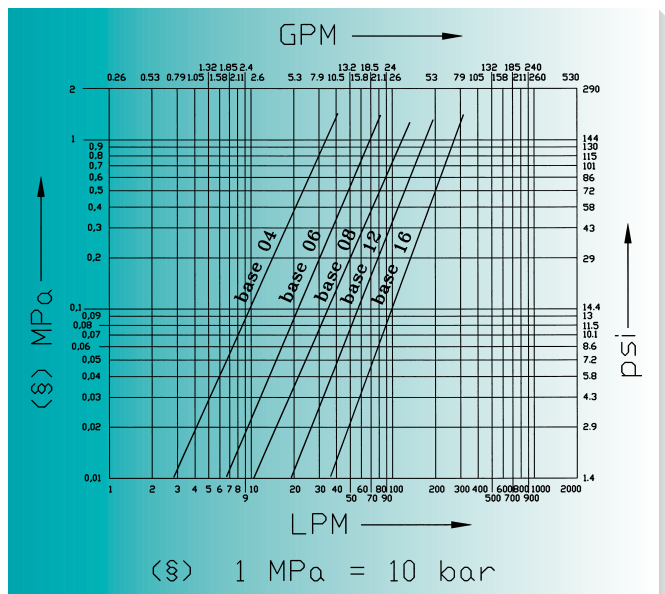
Antiextrusion rings:

In pure PTFE.

Working temperatures:

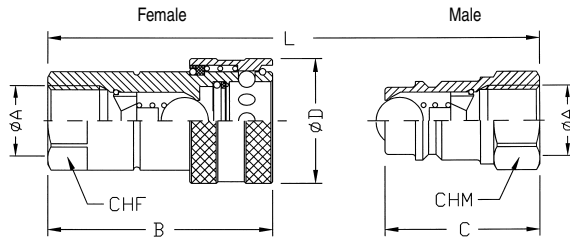
with standard seals in NBR (Nitrile Rubber) from -25°C (-13°F) to +125°C (+257°F).

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



► Available items

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