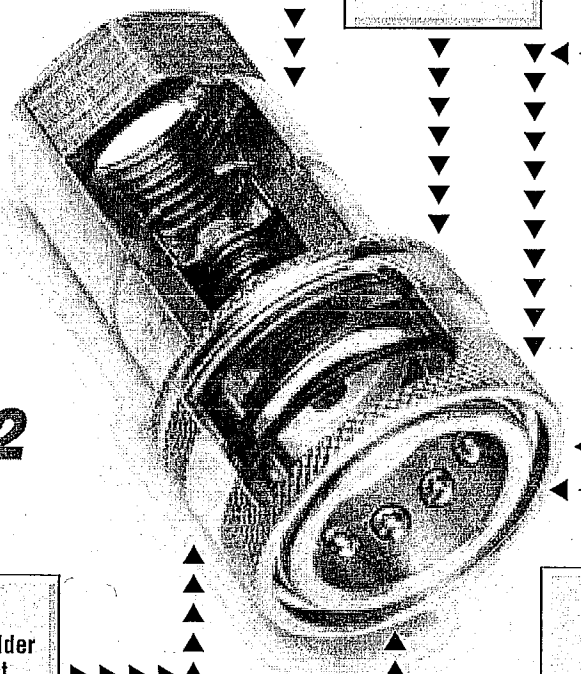
In the picture

Series

NV12



Retaining ring to prevent undermining

Low friction ring in Nylon

Carbonitrited sleeve

Hydrodynamic internal components

High grade carbon steel

Metal shoulder to protect the O-ring seal

PTFE back-up ring

Increased number of latching balls

Hardened valve bodies

Special profile seal to prevent extrusion

Balls racing area induction hardened

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 turbolences 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.

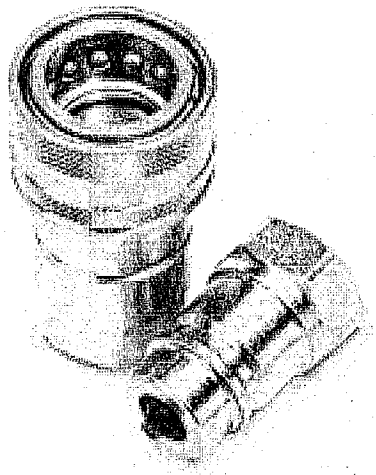
FASTER®

Series NV

▶ 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
									Connected		Male		Female		
	mm	inc.	l/min	GPM	N	lb	MPa	PSI	MPa	PSI	MPa	PSI	MPa	PSI	cc max.
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

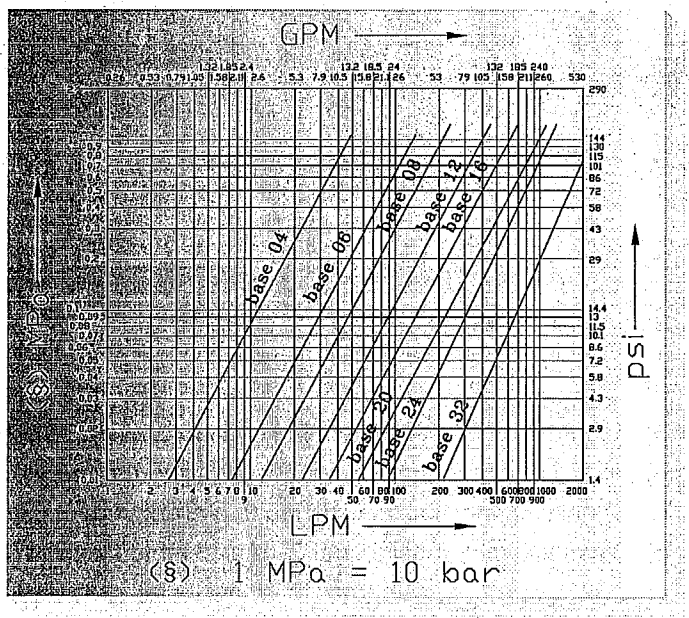
Pressure drop graph:
test bench to ISO 7241-2 specifications with ISO VG 32 oil at 40°C (104°F) temperature.

Materials:
- Female in steel with wear parts 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.

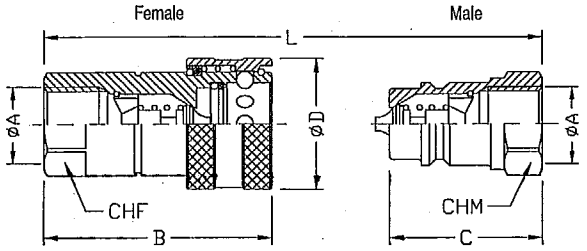
Antiextrusion rings:
In pure PTFE.

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.



▶ **Available items**

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

❖ Size GAS = BSP *On request