FASTER® LEHENGOAK, S.A.

Series NL

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

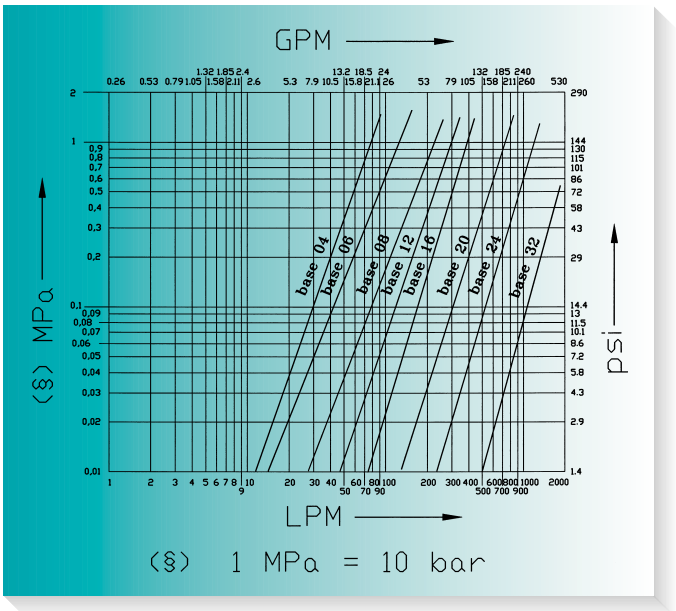
Pressure drop graph:
test bench to ISO 7241-2 specifications with ISO VG 32 oil at 40°C (104°F) temperature.

Materials:
- Female in steel with wear parts carbonitrited.
- 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.

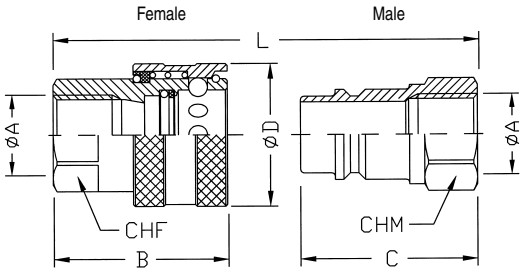
Working temperatures:
with standard seals in NBR (Nitrile Rubber) from -25°C (-13°F) to +125°C (+257°F).
For temperatures exceeding these values, the quick-release coupling will be supplied with all components in steel together with the suitable seals.

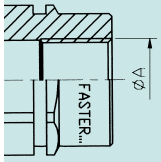


LEHENGOAK, S.A.

▶ Available items

Series NL



Threaded end	❖	Threaded end	Female	Male	Thread Ø A	Standards	B# mm	B# inc.	C mm	C inc.	Ø D mm	Ø D inc.	L mm	L inc.	CHF mm	CHF inc.	CHM mm	CHM 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 40 40	1,57 1,57 1,57	33 33 33	1,30 1,30 1,30	27 27 27	1,06 1,06 1,06	56 56 56	2,20 2,20 2,20	19 19 19	0,75 0,75 0,75	19 19 19	0,75 0,75 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 50 50 50	1,97 1,97 1,97 1,97	39 39 39 39	1,54 1,54 1,54 1,54	33 33 33 33	1,3 1,3 1,3 1,3	68 68 68 68	2,68 2,68 2,68 2,68	24 24 24 24	0,94 0,94 0,94 0,94	24 24 24 24	0,94 0,94 0,94 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 50 50	1,97 1,97 1,97	44 44 44	1,73 1,73 1,73	38 38 38	1,5 1,5 1,5	72 72 72	2,83 2,83 2,83	27 27 27	1,06 1,06 1,06	27 27 27	1,06 1,06 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 80 80	3,15 3,15 3,15	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	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 95 95	3,74 3,74 3,74	66 66 66	2,60 2,60 2,60	56 56 56	2,2 2,2 2,2	125 125 125	4,92 4,92 4,92	41 41 41	1,61 1,61 1,61	41 41 41	1,61 1,61 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	110 110 110	4,33 4,33 4,33	73 73 73	2,87 2,87 2,87	70 70 70	2,76 2,76 2,76	141 141 141	5,55 5,55 5,55	50 50 50	1,97 1,97 1,97	50 50 50	1,97 1,97 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	120 120 120	4,72 4,72 4,72	83 83 83	3,27 3,27 3,27	84 84 84	3,31 3,31 3,31	159 159 159	6,26 6,26 6,26	60 60 60	2,36 2,36 2,36	60 60 60	2,36 2,36 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	140 140 140	5,51 5,51 5,51	100 100 100	3,94 3,94 3,94	119 119 119	4,69 4,69 4,69	190 190 190	7,48 7,48 7,48	75 75 75	2,95 2,95 2,95	75 75 75	2,95 2,95 2,95

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