

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:

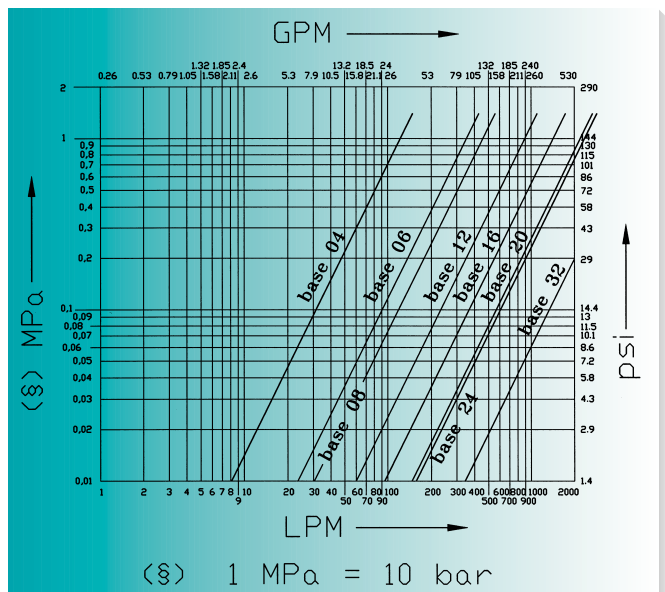
Standard in oilproof NBR (Nitrile Rubber).
On request: Viton, Neoprene, EPDM or other seals.

Antiextrusion rings:

In pure PTFE.

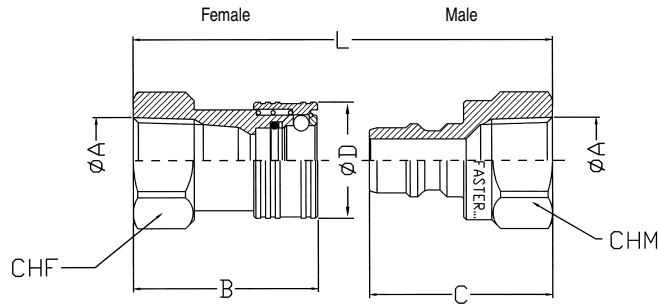
Working temperatures:

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.	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 32	1,26 1,26	32 32	1,26 1,26	24 24	0,94 0,94	49,2 49,2	1,94 1,94	19 19	0,75 0,75	16 16	0,63 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 45	1,77 1,77	45 45	1,77 1,77	24 24	0,94 0,94	75 75	2,95 2,95	19 19	0,75 0,75	16 16	0,63 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 36	1,42 1,42	36 36	1,42 1,42	27 27	1,06 1,06	53,6 53,6	2,11 2,11	24 24	0,94 0,94	24 24	0,94 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 49	1,93 1,93	49 49	1,93 1,93	27 27	1,06 1,06	79 79	3,11 3,11	24 24	0,94 0,94	24 24	0,94 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 40	1,57 1,57	40,5 40,5	1,59 1,59	34 34	1,34 1,34	62,5 62,5	2,46 2,46	27 27	1,06 1,06	27 27	1,06 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 53	2,09 2,09	53,5 53,5	2,11 2,11	34 34	1,34 1,34	88,5 88,5	3,48 3,48	27 27	1,06 1,06	27 27	1,06 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 45	1,77 1,77	45,5 45,5	1,79 1,79	42 42	1,65 1,65	68,5 68,5	2,7 2,7	34 34	1,34 1,34	34 34	1,34 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 58	2,28 2,28	58,5 58,5	2,30 2,30	42 42	1,65 1,65	94,5 94,5	3,72 3,72	34 34	1,34 1,34	34 34	1,34 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 53,5	2,11 2,11	51 51	2,01 2,01	50,5 50,5	1,99 1,99	81,5 81,5	3,21 3,21	46 46	1,81 1,81	41 41	1,61 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 66,5	2,62 2,62	64 64	2,52 2,52	50,5 50,5	1,99 1,99	107 107	4,21 4,21	46 46	1,81 1,81	41 41	1,61 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 59,3	2,33 2,33	54 54	2,13 2,13	56 56	2,2 2,2	90 90	3,54 3,54	50 50	1,97 1,97	48 48	1,89 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 72,3	2,85 2,85	67 67	2,64 2,64	56 56	2,2 2,2	116 116	4,57 4,57	50 50	1,97 1,97	48 48	1,89 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 75,5	2,97 2,97	70 70	2,76 2,76	70 70	2,76 2,76	118 118	4,65 4,65	65 65	2,56 2,56	65 65	2,56 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 88,5	3,48 3,48	83 83	3,27 3,27	70 70	2,76 2,76	144 144	5,67 5,67	65 65	2,56 2,56	65 65	2,56 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 74	2,91 2,91	70 70	2,76 2,76	90 90	3,54 3,54	110 110	4,33 4,33	85 85	3,35 3,35	75 75	2,95 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 87	3,43 3,43	83 83	3,27 3,27	90 90	3,54 3,54	136 136	5,35 5,35	85 85	3,35 3,35	75 75	2,95 2,95		

❖ Size GAS = BSP *On request

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