




## Metal hose ends - economical low-pressure ends (2)

Stainless steel threaded weld-on pipe fittings can be used for metal hoses (see chapter "Stainless threaded fittings" in the INDUSTRIAL FITTINGS section). The most common standard range of these fittings includes low-pressure fittings (#150, 150 lb / 10 bar\*), cast in AISI 316 stainless steel (CF8M) or made from AISI 316 steel tubing. Flexible steel tubing with these fittings works well for simple industrial applications (water, air, etc.). It is a cost-effective solution, less expensive than with high-pressure AF1 and AF7 endings, and rational especially for low pressures and larger diameters.


\* Note: There are several connector standards referred to as Class 150, differing in dimensions, wall thickness and requirements. Connectors with higher specifications (e.g. MSS SP-114) may be available on special request.

### BSPT male threaded nipples: round pipe nipples (without key grip)

drawing	index (1) (AISI 316)	Hose DN [mm]	G [inch.]	D [mm].	L max [mm]
<b>Type AF1X</b> External thread BSPT tapered Working pressure: 10 bar  	NM-VT126-04	8 / 10	1/4"	13,5	45
	NM-VT126-06	12	3/8"	17,2	45
	NM-VT126-08	15 (16)	1/2"	21,3	50
	NM-VT126-12	20	3/4"	26,9	60
	NM-VT126-16	25	1"	33,7	65
	NM-VT126-20	32	1.1/4"	42,4	75
	NM-VT126-24	40	1.1/2"	48,3	80
	NM-VT126-32	50	2"	60,3	80
	NM-VT126-40	65	2.1/2"	76,1	95
	NM-VT126-48	75 (80)	3"	88,9	105
	NM-VT126-64	100	4"	114,3	115


Note: nipple dimensions (D) and L max - indicative (various suppliers). Contact Tubes International.

**BSPT male threaded end fittings: modified (truncated) NM-VT123-... end fittings with keyed polygon (n\*). Welded to hoses using the additional mounting ring TB-PRN-... Designed primarily for METALFLEX M and METALICA hoses for economical low-pressure applications.**

assembly drawing / drawing	tip index (AISI 316)	ring index (AISI 304)	Hose DN [mm]	G [inch.]	D [mm].	L max [mm]	SW / n* [mm]
<b>Type AF1XS</b> External thread BSPT tapered Working pressure: 10 bar  	NM-VT123-04	-	6	1/4"	8	37	14,5 / 6
	NM-VT123-06	-	8	3/8"	10	42	18 / 6
	NM-VT123-08	TB-PRN-012	12	1/2"	13	47	22 / 6
	NM-VT123-12	TB-PRN-020	20	3/4"	20	56	27,7 / 6
	NM-VT123-16	TB-PRN-025	25	1"	25,2	65	33,6 / 8
	NM-VT123-20	TB-PRN-032	32	1.1/4"	32	68	43 / 8
	NM-VT123-24	TB-PRN-040	40	1.1/2"	40	77	49 / 8
	NM-VT123-32	TB-PRN-050	50	2"	51,5	83	61,5 / 8
	NM-VT123-40	TB-PRN-065	65	2.1/2"	64,2	98	76,5 / 10
	NM-VT123-48	TB-PRN-080	80	3"	76,5	103	90 / 10

Note: overall dimensions of the screws (D, SW) and L max - indicative (various suppliers). Contact Tubes International.

**Couplings with BSP internal thread: round couplings (without key grip) NM-VT1221.** It is also possible to use reduction couplers NM-VT121 (see chapter "Stainless threaded fittings" in the INDUSTRIAL FITTINGS section), appropriately matched to the hose outer diameter.

drawing / assembly drawing	index (1) (AISI 316)	Hose DN [mm]	G [inch.]	D [mm].	L max [mm]
<b>Type AF7X</b> BSP female thread Operating pressure: 10 bar  	NM-VT1221-02	6 / 8	1/8"	13,7	29
	NM-VT1221-04	10	1/4"	17,2	38
	NM-VT1221-06	12	3/8"	20	39
	NM-VT1221-08	15 (16)	1/2"	24,2	46
	NM-VT1221-12	20	3/4"	30,8	53
	NM-VT1221-16	25	1"	38	65
	NM-VT1221-20	32	1.1/4"	46	70
	NM-VT1221-24	40	1.1/2"	52	75
	NM-VT1221-32	50	2"	64,5	79
	NM-VT1221-40	65	2.1/2"	81	96
	NM-VT1221-48	75 (80)	3"	94	99
	NM-VT1221-64	100	4"	120	110

Note: overall dimensions of the screws (D) and L max - indicative (various suppliers). Contact Tubes International.

