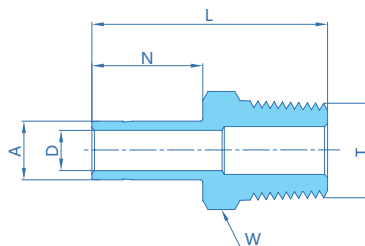


Male Adapter Tube To Pipe



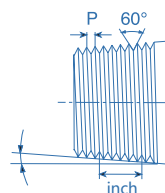
TUBE (METRIC)

Ordering Information	A Tube O.D.	T (NPT)	D	W Wrench Flat	N	L
	mm	inch	mm	mm	mm	mm
SS-VMA-TB3M-M2	3	1/8	2.1	12	13.5	30.0
SS-VMA-TB3M-M4	3	1/4	2.1	14	13.5	35.3
SS-VMA-TB6M-M2	6	1/8	4.0	12	15.7	32.8
SS-VMA-TB6M-M4	6	1/4	4.0	14	15.7	38.1
SS-VMA-TB6M-M6	6	3/8	4.0	18	15.7	37.0
SS-VMA-TB6M-M8	6	1/2	4.0	22	15.7	43.4
SS-VMA-TB8M-M2	8	1/8	4.8	12	16.8	33.5
SS-VMA-TB8M-M4	8	1/4	5.6	14	16.8	39.1
SS-VMA-TB8M-M6	8	3/8	5.6	11/16 inch	16.8	37.8
SS-VMA-TB8M-M8	8	1/2	5.6	22	16.8	43.0
SS-VMA-TB10M-M4	10	1/4	7.1	9/16 inch	17.5	39.9
SS-VMA-TB10M-M6	10	3/8	7.1	18	17.5	40.6
SS-VMA-TB10M-M8	10	1/2	7.1	22	17.5	46.2
SS-VMA-TB12M-M4	12	1/4	7.1	16	23.1	46.5
SS-VMA-TB12M-M6	12	3/8	8.8	18	23.1	46.5
SS-VMA-TB12M-M8	12	1/2	8.8	22	23.1	52.0
SS-VMA-TB16M-M8	16	1/2	11.9	22	24.7	50.5
SS-VMA-TB20M-M12	20	3/4	15.1	27	26.6	54.3

Reference Specifications:

- 60° Thread angle
- Pitch measured in inches
- Truncation of root and crest is flat
- Taper angle 1° 47'

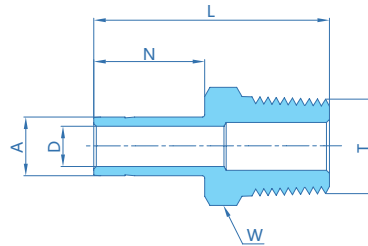
- American Standard Pipe Thread (NPT).
- NPT (National Pipe Tapered) is made according to the specifications outlined in ANSI B1.20.1.



Dimensions are for reference only and are subject to change without prior notice



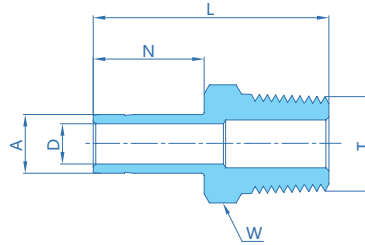
Male Adapter Tube To Pipe



TUBE (INCH)										
Ordering Information	A Tube O.D.		T (NPT)	D		W Wrench Flat	N		L	
	inch	mm	inch	inch	mm	inch	inch	mm	inch	mm
SS-VMA-TB02-M2	1/8	3.17	1/8	.08	2.0	7/16	.53	13.45	1.16	29.5
SS-VMA-TB02-M4	1/8	3.17	1/4	.08	2.0	9/16	.53	13.45	1.37	34.8
SS-VMA-TB03-M2	3/16	4.76	1/8	.12	3.0	7/16	.56	14.20	1.19	30.2
SS-VMA-TB03-M4	3/16	4.76	1/4	.12	3.0	9/16	.56	14.20	1.40	35.6
SS-VMA-TB04-M2	1/4	6.35	1/8	.17	4.2	7/16	.62	15.75	1.25	31.8
SS-VMA-TB04-M4	1/4	6.35	1/4	.17	4.2	9/16	.62	15.75	1.46	37.1
SS-VMA-TB04-M6	1/4	6.35	3/8	.17	4.2	11/16	.62	15.75	1.49	37.9
SS-VMA-TB04-M8	1/4	6.35	1/2	.17	4.2	7/8	.62	15.75	1.71	43.4
SS-VMA-TB05-M2	5/16	7.93	1/8	.22	4.8	7/16	.66	16.75	1.29	32.7
SS-VMA-TB05-M4	5/16	7.93	1/4	.22	5.6	9/16	.66	16.75	1.50	38.1
SS-VMA-TB06-M2	3/8	9.52	1/8	.27	6.9	7/16	.69	17.50	1.32	33.5
SS-VMA-TB06-M4	3/8	9.52	1/4	.27	6.9	9/16	.69	17.50	1.53	38.9
SS-VMA-TB06-M6	3/8	9.52	3/8	.27	6.9	11/16	.69	17.50	1.56	39.6
SS-VMA-TB06-M8	3/8	9.52	1/2	.27	6.9	7/8	.69	17.50	1.78	45.2
SS-VMA-TB08-M4	1/2	12.70	1/4	.28	7.1	9/16	.91	23.10	1.75	44.5
SS-VMA-TB08-M6	1/2	12.70	3/8	.37	9.4	11/16	.91	23.10	1.78	45.2
SS-VMA-TB08-M8	1/2	12.70	1/2	.37	9.4	7/8	.91	23.10	2.0	50.8
SS-VMA-TB10-M6	5/8	15.87	3/8	.37	9.5	11/16	.97	24.65	1.81	47.6
SS-VMA-TB10-M8	5/8	15.87	1/2	.47	11.9	7/8	.97	24.65	2.06	52.3
SS-VMA-TB10-M12	5/8	15.87	3/4	.50	12.7	1-1/16	.97	24.65	2.06	52.3
SS-VMA-TB12-M8	3/4	19.05	1/2	.47	11.9	7/8	.97	24.65	2.06	52.3
SS-VMA-TB12-M12	3/4	19.05	3/4	.59	15.0	1-1/16	.97	24.65	2.06	52.3
SS-VMA-TB12-M16	3/4	19.05	1	.59	15.0	1-3/8	.97	24.65	2.28	57.3
SS-VMA-TB14-M12	7/8	22.22	3/4	.60	15.9	1-1/16	1.05	26.60	2.09	54.3
SS-VMA-TB16-M12	1	25.40	3/4	.60	15.8	1-1/16	1.30	33.00	2.31	58.7
SS-VMA-TB16-M16	1	25.40	1	.80	20.3	1-3/8	1.30	33.00	2.60	66.0
SS-VMA-TB18-M18	1-1/4	31.75	1-1/4	1.02	25.9	1-3/4	1.73	43.82	3.16	80.3
SS-VMA-TB24-M24	1-1/2	38.10	1-1/2	1.25	31.6	2-1/8	2.14	54.33	3.72	94.5



Male Adapter Tube To Pipe



TUBE (METRIC)

Ordering Information	A Tube O.D.	T (ISO)	D	W Hex. Flat	N	L
	mm	inch	mm	mm	mm	mm
SS-VMA-TB6M-R2	6	R-1/8	4.0	12	15.7	32.8
SS-VMA-TB6M-R4	6	R-1/4	4.0	14	15.7	38.1
SS-VMA-TB6M-R8	6	R-1/2	4.0	22	15.7	43.4
SS-VMA-TB8M-R2	8	R-1/8	4.8	12	16.8	33.5
SS-VMA-TB8M-R4	8	R-1/4	5.6	14	16.8	39.1
SS-VMA-TB8M-R6	8	R-3/8	5.6	11/16 inch	16.8	37.8
SS-VMA-TB10M-R4	10	R-1/4	7.1	14	17.5	39.9
SS-VMA-TB10M-R6	10	R-3/8	7.1	18	17.5	40.6
SS-VMA-TB10M-R8	10	R-1/2	7.1	22	17.5	46.2
SS-VMA-TB12M-R4	12	R-1/4	7.1	16	23.1	46.5
SS-VMA-TB12M-R6	12	R-3/8	8.8	18	23.1	46.2
SS-VMA-TB12M-R8	12	R-1/2	8.8	22	23.1	52.0
SS-VMA-TB20M-R12	20	R-3/4	14.7	27	26.6	54.3

TUBE (INCH)

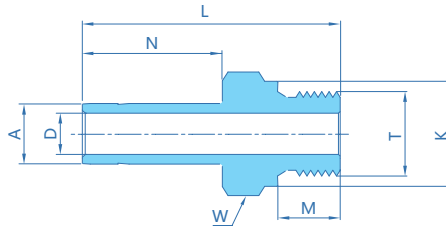
Ordering Information	A Tube O.D.		T (ISO)	D		W Hex. Flat	N		L	
	inch	mm	inch	inch	mm	inch	inch	mm	inch	mm
SS-VMA-TB02-R2	1/8	3.17	R-1/8	.08	2.0	7/16	.53	13.45	1.16	29.5
SS-VMA-TB02-R4	1/8	3.17	R-1/4	.08	2.0	9/16	.53	13.45	1.37	34.8
SS-VMA-TB04-R2	1/4	6.35	R-1/8	.17	4.2	7/16	.62	15.75	1.25	31.8
SS-VMA-TB04-R4	1/4	6.35	R-1/4	.17	4.2	9/16	.62	15.75	1.46	37.1
SS-VMA-TB04-R6	1/4	6.35	R-3/8	.17	4.2	11/16	.62	15.75	1.49	37.9
SS-VMA-TB04-R8	1/4	6.35	R-1/2	.17	4.2	7/8	.62	15.75	1.71	43.4
SS-VMA-TB06-R4	3/8	9.52	R-1/4	.27	6.9	9/16	.69	17.50	1.53	38.9
SS-VMA-TB06-R6	3/8	9.52	R-3/8	.27	6.9	11/16	.69	17.50	1.56	39.6
SS-VMA-TB06-R8	3/8	9.52	R-1/2	.27	6.9	7/8	.69	17.50	1.78	45.2
SS-VMA-TB08-R4	1/2	12.70	R-1/4	.28	7.1	9/16	.91	23.10	1.75	44.5
SS-VMA-TB08-R6	1/2	12.70	R-3/8	.37	9.4	11/16	.91	23.10	1.78	45.2
SS-VMA-TB08-R8	1/2	12.70	R-1/2	.37	9.4	7/8	.91	23.10	2.00	50.8
SS-VMA-TB10-R8	5/8	15.87	R-1/2	.47	11.9	7/8	.97	24.65	2.06	52.3
SS-VMA-TB12-R8	3/4	19.05	R-1/2	.47	11.9	7/8	.97	24.65	2.06	52.3
SS-VMA-TB12-R12	3/4	19.05	R-3/4	.59	15.0	1-1/16	.97	24.65	2.06	52.3
SS-VMA-TB16-R16	1	25.40	R-1	.80	20.3	1-3/8	1.30	33.00	2.60	66.0



Dimensions are for reference only and are subject to change without prior notice



Male Adapter Tube To Pipe



TUBE (METRIC)

Ordering Information	A Tube O.D.		T (ISO)	D		K		W Hex. Flat	N		M		L
	mm	inch		mm	inch	mm	inch		mm	inch	mm	inch	
SS-VMA-TB6M-G2	6		G-1/8	4.0		13.8		9/16	15.7		7.1		34.3
SS-VMA-TB6M-G4	6		G-1/4	4.0		18.0		19	15.7		11.2		38.9
SS-VMA-TB8M-G4	8		G-1/4	5.6		18.0		19	16.8		11.2		40.1
SS-VMA-TB10M-G4	10		G-1/4	5.9		18.0		19	17.5		11.2		40.9
SS-VMA-TB10M-G6	10		G-3/8	7.1		21.8		22	17.5		11.2		41.1
SS-VMA-TB10M-G8	10		G-1/2	7.1		26.0		27	17.5		14.2		43.2
SS-VMA-TB12M-G4	12		G-1/4	5.8		18.0		19	23.1		11.2		47.0
SS-VMA-TB12M-G6	12		G-3/8	7.9		21.8		22	23.1		11.2		47.8
SS-VMA-TB12M-G8	12		G-1/2	8.8		26.0		27	23.1		14.2		49.8
SS-VMA-TB18M-G8	18		G-1/2	11.9		26.0		27	24.6		14.2		51.3
SS-VMA-TB18M-G12	18		G-3/4	13.9		32.0		35	24.6		15.7		55.9
SS-VMA-TB38M-G24	38		G-1-1/2	31.6		54.7		55	52.8		22.1		91.9

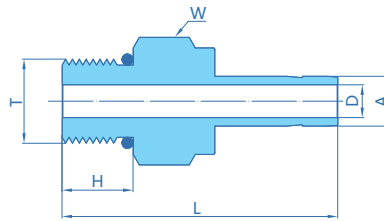
TUBE (INCH)

Ordering Information	A Tube O.D.		T (ISO)	D		K		W Hex. Flat	N		M		L	
	inch	mm		inch	mm	inch	mm		inch	mm	inch	mm	inch	mm
SS-VMA-TB02-G2	1/8	3.17	G-1/8	.08	2.0	.54	13.8	9/16	.53	13.45	.28	7.1	1.22	31.8
SS-VMA-TB02-G4	1/8	6.35	G-1/4	.08	2.0	.71	18.0	3/4	.53	13.45	.44	11.2	1.41	36.3
SS-VMA-TB04-G2	1/4	3.17	G-1/8	.16	4.0	.54	13.8	9/16	.62	15.75	.28	7.1	1.20	34.3
SS-VMA-TB04-G4	1/4	6.35	G-1/4	.17	4.2	.71	18.0	3/4	.62	15.75	.44	11.2	1.42	38.9
SS-VMA-TB06-G4	3/8	6.35	G-1/4	.23	5.8	.71	18.0	3/4	.69	17.50	.44	11.2	1.57	40.4
SS-VMA-TB06-G6	3/8	9.52	G-3/8	.27	6.9	.86	21.8	7/8	.69	17.50	.44	11.2	1.60	41.1
SS-VMA-TB08-G4	1/2	6.35	G-1/4	.23	5.8	.71	18.0	3/4	.91	23.10	.44	11.2	1.85	47.0
SS-VMA-TB08-G6	1/2	9.52	G-3/8	.31	7.9	.86	21.8	7/8	.91	23.10	.44	11.2	1.88	47.7
SS-VMA-TB08-G8	1/2	12.70	G-1/2	.37	9.4	1.02	26.0	1-1/16	.91	23.10	.56	14.2	1.96	49.8
SS-VMA-TB12-G12	3/4	19.05	G-3/4	.59	15.0	1.26	32.0	1-5/16	.97	24.65	.62	15.7	2.16	54.9
SS-VMA-TB16-G16	1	25.40	G-1	.78	19.8	1.54	39.0	1-5/8	1.23	31.20	.72	18.3	2.59	65.8

* When ordering code SS-VMA-**-AG**, "AG" stands for combined gaskets.



Male Adapter



TUBE (INCH)											
Ordering Information	A Tube O.D.		T Straight Thread UN	D		W		H		L	
	inch	mm		inch	mm	inch	mm	inch	mm	inch	mm
SS-VMA-TB02-A2	1/8	3.18	5/16-24	.08	2.03	7/16	11.1	.30	7.62	1.20	30.48
SS-VMA-TB04-A4	1/4	6.35	7/16-20	.17	4.20	9/16	14.3	.36	9.14	1.39	35.3
SS-VMA-TB04-A6	1/4	6.35	9/16-18	.17	4.20	11/16	17.5	.39	9.90	1.42	36.07
SS-VMA-TB06-A4	3/8	9.52	7/16-20	.20	5.10	9/16	14.3	.36	9.14	1.46	37.08
SS-VMA-TB06-A6	3/8	9.52	9/16-18	.27	6.85	11/16	17.5	.39	9.90	1.52	38.61
SS-VMA-TB06-A8	3/8	9.52	3/4-16	.27	6.85	7/8	22.2	.44	11.17	1.60	40.64
SS-VMA-TB08-A6	1/2	12.7	9/16-18	.28	7.11	11/16	17.5	.39	9.90	1.74	44.20
SS-VMA-TB08-A8	1/2	12.7	3/4-16	.37	9.40	7/8	22.2	.44	11.17	1.82	46.23
SS-VMA-TB10-A5	5/8	15.87	7/8-14	.47	11.94	1	25.4	.50	12.70	1.94	49.28
SS-VMA-TB12-A12	3/4	19.05	1-1/16-12	.59	15.00	1-1/4	31.8	.59	14.98	2.10	53.34
SS-VMA-TB16-A16	1	25.40	1 5/16-12	.80	20.32	1-1/2	38.1	.59	14.98	2.41	61.21
SS-VMA-TB18-A18	1-1/4	31.75	1 5/8-12	1.02	26.00	1-7/8	47.6	.59	15.10	2.81	71.37
SS-VMA-TB24-A24	1-1/2	38.10	1 7/8-12	1.25	31.60	2-1/8	54.0	.59	15.10	3.28	83.31

Installation Instructions :

Figure 1

Locking backed off

Lubricate the O-ring by inserting it into the groove adjacent to the face of the metal back-up washer which is assembled at the extreme end of the groove as shown in. (Figure 1)

Figure 2

Fitting install hand tight

Install the fitting into the S.A.E. straight thread boss, figure 2, until the metal back-up washer contacts the face of the boss as shown in. (Figure 2)

Figure 3

Fittings backed-off for alignment (turn maximum 1)

Position the fitting by turning it counter clockwise up to a maximum of one. (see Figure 3)

Figure 4

Fittings locknut tightly to appropriate torque

Holding the pad of the fitting with a spanner, tighten the locknut and washer against the face as shown in, (Figure 4)



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