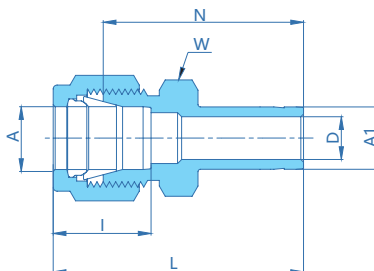


Reducer

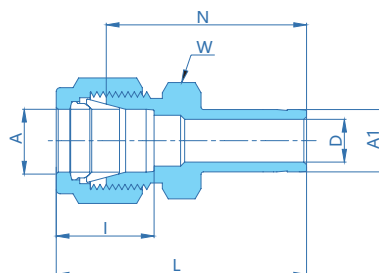


TUBE (METRIC) TO STUB (METRIC)

Ordering Information	A Tube O.D.	A1 Tube O.D.	D	W Hex. Flat	N	L	I
	mm	mm	mm	mm	mm	mm	mm
SS-VTO-2M-TB3M	2	3	1.7	12	26.9	33.5	12.9
SS-VTO-3M-TB4M	3	4	2.2	12	28.4	35.0	12.9
SS-VTO-3M-TB6M	3	6	2.4	12	29.5	36.1	12.9
SS-VTO-3M-TB10M	3	10	2.4	14	31.8	38.4	12.9
SS-VTO-4M-TB6M	4	6	2.4	12	30.5	37.1	13.7
SS-VTO-6M-TB3M	6	3	2.1	14	29.5	36.9	15.3
SS-VTO-6M-TB8M	6	8	4.8	14	32.5	39.9	15.3
SS-VTO-6M-TB10M	6	10	4.8	14	33.3	40.7	15.3
SS-VTO-6M-TB12M	6	12	4.8	14	38.9	46.3	15.3
SS-VTO-6M-TB18M	6	18	4.8	22	42.2	49.6	15.3
SS-VTO-8M-TB6M	8	6	4.0	15	32.8	40.3	16.2
SS-VTO-8M-TB10M	8	10	6.4	15	34.5	42.0	16.2
SS-VTO-8M-TB12M	8	12	6.4	15	40.1	47.6	16.2
SS-VTO-10M-TB6M	10	6	4.0	18	34.8	42.4	17.2
SS-VTO-10M-TB8M	10	8	5.6	18	35.8	43.4	17.2
SS-VTO-10M-TB12M	10	12	7.9	18	42.2	49.8	17.2
SS-VTO-10M-TB15M	10	15	7.9	18	43.7	51.3	17.2
SS-VTO-10M-TB18M	10	18	7.9	22	43.7	51.3	17.2
SS-VTO-12M-TB6M	12	6	4.0	22	34.8	44.9	22.8
SS-VTO-12M-TB8M	12	8	5.6	22	35.8	45.9	22.8
SS-VTO-12M-TB10M	12	10	7.1	22	36.6	46.7	22.8
SS-VTO-12M-TB16M	12	16	9.5	22	43.7	53.8	22.8
SS-VTO-12M-TB18M	12	18	9.5	22	43.7	53.8	22.8
SS-VTO-12M-TB20M	12	20	9.5	22	46.0	56.1	22.8
SS-VTO-12M-TB22M	12	22	9.5	24	46.0	56.1	22.8
SS-VTO-12M-TB25M	12	25	9.5	27	52.3	62.4	22.8
SS-VTO-16M-TB12M	16	12	8.8	24	42.9	53.0	24.4
SS-VTO-18M-TB12M	18	12	8.8	27	44.5	54.6	24.4
SS-VTO-18M-TB16M	18	16	12.7	27	46.0	56.1	24.4
SS-VTO-18M-TB20M	18	20	15.1	27	47.5	57.6	24.4
SS-VTO-18M-TB22M	18	22	15.1	27	47.5	57.6	24.4
SS-VTO-18M-TB25M	18	25	15.1	27	52.3	62.4	24.4
SS-VTO-20M-TB16M	20	16	12.7	30	47.8	57.9	26.0
SS-VTO-20M-TB18M	20	18	13.9	30	47.8	57.9	26.0
SS-VTO-20M-TB22M	20	22	15.9	30	49.3	59.4	26.0
SS-VTO-20M-TB25M	20	25	15.9	30	54.1	64.2	26.0
SS-VTO-22M-TB18M	22	18	13.9	30	47.8	57.9	26.0
SS-VTO-22M-TB20M	22	20	15.1	30	49.3	59.4	26.0
SS-VTO-22M-TB25M	22	25	18.3	30	54.1	64.2	26.0
SS-VTO-25M-TB18M	25	18	13.9	35	50.8	63.1	31.3
SS-VTO-25M-TB20M	25	20	15.1	35	52.3	64.6	31.3



Reducer



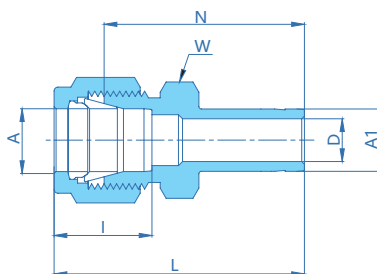
TUBE (INCH) TO STUB (INCH)

Ordering Information	A Tube O.D.		A1 Tube O.D.		D		W Hex. Flat	N		L		I	
	inch	mm	inch	mm	inch	mm	inch	inch	mm	inch	mm	inch	mm
SS-VTO-01-TB02	1/16	1.58	1/8	3.17	.05	1.27	5/16	1.00	25.40	1.15	29.21	.34	8.6
SS-VTO-01-TB04	1/16	1.58	1/4	6.35	.05	1.27	5/16	1.09	27.68	1.24	31.50	.34	8.6
SS-VTO-02-TB01	1/8	3.17	1/16	1.58	.03	.76	7/16	.88	22.35	1.14	28.96	.50	12.7
SS-VTO-02-TB02	1/8	3.17	1/8	3.17	.08	2.03	7/16	1.06	26.92	1.32	33.52	.50	12.7
SS-VTO-02-TB03	1/8	3.17	3/16	4.76	.09	2.28	7/16	1.09	27.68	1.35	34.29	.50	12.7
SS-VTO-02-TB04	1/8	3.17	1/4	6.35	.09	2.28	7/16	1.16	29.46	1.42	36.06	.50	12.7
SS-VTO-02-TB06	1/8	3.17	3/8	9.52	.09	2.28	7/16	1.22	30.98	1.48	37.59	.50	12.7
SS-VTO-02-TB08	1/8	3.17	1/2	12.70	.09	2.28	9/16	1.48	37.59	1.74	44.20	.50	12.7
SS-VTO-03-TB02	3/16	4.76	1/8	3.17	.08	2.03	7/16	1.11	28.19	1.37	34.80	.54	13.7
SS-VTO-03-TB04	3/16	4.76	1/4	6.35	.12	3.04	7/16	1.20	30.48	1.46	37.08	.54	13.7
SS-VTO-04-TB02	1/4	6.35	1/8	3.17	.08	2.03	1/2	1.16	29.46	1.45	36.83	.60	15.2
SS-VTO-04-TB03	1/4	6.35	3/16	4.76	.12	3.04	1/2	1.19	30.22	1.48	37.59	.60	15.2
SS-VTO-04-TB04	1/4	6.35	1/4	6.35	.17	4.20	1/2	1.25	31.75	1.54	39.11	.60	15.2
SS-VTO-04-TB05	1/4	6.35	5/16	7.93	.19	4.82	1/2	1.28	32.51	1.57	39.87	.60	15.2
SS-VTO-04-TB06	1/4	6.35	3/8	9.52	.19	4.82	1/2	1.31	33.27	1.60	40.64	.60	15.2
SS-VTO-04-TB08	1/4	6.35	1/2	12.70	.19	4.82	9/16	1.53	38.86	1.82	46.22	.60	15.2
SS-VTO-04-TB10	1/4	6.35	5/8	15.87	.19	4.82	11/16	1.60	40.64	1.89	48.00	.60	15.2
SS-VTO-04-TB12	1/4	6.35	3/4	19.05	.19	4.82	13/16	1.59	40.39	1.88	47.75	.60	15.2
SS-VTO-05-TB06	5/16	7.93	3/8	9.52	.25	6.35	9/16	1.36	34.54	1.65	41.91	.64	16.2
SS-VTO-05-TB08	5/16	7.93	1/2	12.70	.25	6.35	9/16	1.58	40.13	1.87	47.49	.64	16.2
SS-VTO-06-TB04	3/8	9.52	1/4	6.35	.17	4.20	5/8	1.34	34.03	1.63	41.40	.66	16.8
SS-VTO-06-TB06	3/8	9.52	3/8	9.52	.27	6.85	5/8	1.41	35.81	1.70	43.18	.66	16.8
SS-VTO-06-TB08	3/8	9.52	1/2	12.70	.28	7.11	5/8	1.62	41.14	1.91	48.51	.66	16.8
SS-VTO-06-TB10	3/8	9.52	5/8	15.87	.28	7.11	11/16	1.69	42.92	1.98	50.29	.66	16.8
SS-VTO-06-TB12	3/8	9.52	3/4	19.05	.28	7.11	13/16	1.69	42.92	1.98	50.29	.66	16.8
SS-VTO-08-TB04	1/2	12.70	1/4	6.35	.17	4.20	13/16	1.37	34.80	1.77	44.96	.90	22.9
SS-VTO-08-TB06	1/2	12.70	3/8	9.52	.27	6.85	13/16	1.44	36.58	1.84	46.74	.90	22.9
SS-VTO-08-TB08	1/2	12.70	1/2	12.70	.37	9.40	13/16	1.66	42.16	2.06	52.32	.90	22.9
SS-VTO-08-TB10	1/2	12.70	5/8	15.87	.41	10.41	13/16	1.72	43.68	2.12	53.84	.90	22.9
SS-VTO-08-TB12	1/2	12.70	3/4	19.05	.41	10.41	13/16	1.72	43.68	2.12	53.84	.90	22.9
SS-VTO-08-TB16	1/2	12.70	1	25.40	.41	10.41	1-1/6	1.97	50.03	2.37	60.19	.90	22.9
SS-VTO-10-TB12	5/8	15.87	3/4	19.05	.50	12.70	15/16	1.75	44.45	2.15	54.61	.96	24.4
SS-VTO-10-TB14	5/8	15.87	7/8	22.22	.50	12.70	15/16	1.81	45.97	2.21	56.13	.96	24.4
SS-VTO-10-TB16	5/8	15.87	1	25.40	.50	12.70	1-1/16	2.00	50.80	2.40	60.96	.96	24.4
SS-VTO-12-TB08	3/4	19.05	1/2	12.70	.37	9.40	1-1/16	1.75	44.45	2.15	54.61	.96	24.4
SS-VTO-12-TB16	3/4	19.05	1	25.40	.62	15.75	1-1/16	2.06	52.32	2.46	62.48	.96	24.4
SS-VTO-16-TB18	1	25.40	1-1/4	31.75	.88	22.35	1-3/8	2.69	68.33	3.17	80.52	1.23	31.2
SS-VTO-16-TB24	1	25.40	1-1/2	38.10	.88	22.35	1-5/8	3.03	76.96	3.51	89.15	1.23	31.2
SS-VTO-18-TB24	1-1/4	31.75	1-1/2	38.10	1.09	27.7	1-3/4	3.23	82.00	4.10	104.1	1.62	41.2



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

Reducer



TUBE (METRIC) TO STUB (INCH)

Ordering Information	A Tube O.D.		A1 Tube O.D.		D		W Hex. Flat		N		L		I	
	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch
SS-VTO-2M-TB02	2	1/8	2.0		2.0		12		26.9		33.5		12.9	
SS-VTO-3M-TB02	3	1/8	2.0		2.0		12		26.9		33.5		12.9	
SS-VTO-3M-TB04	3	1/4	2.4		2.4		12		29.5		36.1		12.9	
SS-VTO-4M-TB04	4	1/4	2.4		2.4		12		30.5		37.1		13.7	
SS-VTO-6M-TB02	6	1/8	2.2		2.2		14		29.5		36.9		15.3	
SS-VTO-6M-TB05	6	5/16	4.8		4.8		14		32.5		39.9		15.3	
SS-VTO-6M-TB06	6	3/8	4.8		4.8		14		33.3		40.7		15.3	
SS-VTO-6M-TB08	6	1/2	4.8		4.8		14		38.9		46.3		15.3	
SS-VTO-8M-TB06	8	3/8	6.4		6.4		15		34.5		42.0		16.2	
SS-VTO-8M-TB08	8	1/2	6.4		6.4		15		40.1		47.6		16.2	
SS-VTO-10M-TB06	10	3/8	6.8		6.8		18		36.6		44.2		17.2	
SS-VTO-10M-TB08	10	1/2	7.9		7.9		18		42.2		49.8		17.2	
SS-VTO-12M-TB08	12	1/2	9.4		9.4		22		42.2		52.3		22.8	
SS-VTO-12M-TB12	12	3/4	9.4		9.4		22		43.7		53.8		22.8	
SS-VTO-18M-TB12	18	3/4	15.0		15.0		27		46.0		56.1		24.4	
SS-VTO-18M-TB16	18	1	15.1		15.1		27		52.3		62.4		24.4	
SS-VTO-25M-TB16	25	1	20.3		20.3		35		57.2		69.5		31.3	

TUBE (INCH) TO STUB (METRIC)

Ordering Information	A Tube O.D.		A1 Tube O.D.		D		W Hex. Flat		N		L		I	
	inch	mm	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch
SS-VTO-02-TB6M	1/8	3.17	6	.09	2.30	7/16		1.16	29.46	1.42	36.06	.50	12.7	
SS-VTO-04-TB6M	1/4	6.35	6	.16	4.00	1/2		1.25	31.75	1.54	39.11	.60	15.2	
SS-VTO-06-TB8M	3/8	9.52	8	.22	5.60	5/8		1.42	36.06	1.71	43.43	.66	16.8	
SS-VTO-06-TB12M	3/8	9.52	12	.28	7.11	5/8		1.62	41.15	1.91	48.51	.66	16.8	

