



**FOR ALL YOUR
STAINLESS STEEL
REQUIREMENTS**

SECTION 13

Stainless Steel Tube (Seamless) & Stainless Braided PTFE Hose

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Imperial Stainless Steel Tube (Seamless)

Manufactured to ASTM A269/213

Imperial, Cold Drawn Seamless Annealed & Pickled, Plain Ends

Mechanical polish available with production quantity and lead time. Length: 6 mtrs.



SAFE WORKING PRESSURES FOR AUSTENITIC STAINLESS STEEL TUBING

The safe working pressure is obtained by dividing the working pressure (refer to table) by a suitable safety factor.

Please note, the typical safe working pressure figures in the table were calculated on a safety factor of '4'.

Size		Weight	Burst Pressure	Typical Safe	Part Number
W.T.	O.D.	kg/metre	PSI	Working Pressure PSI	
0.9	3.18	0.05	42,433	10,608	AFLSSTUBE -1/8 X 0.9
0.9	4.76	0.08	28,348	7,087	AFLSSTUBE -3/16 X 0.9
0.9	6.35	0.12	21,500	5,375	AFLSSTUBE -1/4 X 0.9
0.9	7.94	0.15	17,200	4,300	AFLSSTUBE -5/16 X 0.9
0.9	9.52	0.19	14,300	3,575	AFLSSTUBE -3/8 X 0.9
0.9	12.7	0.26	10,750	2,687	AFLSSTUBE -1/2 X 0.9
1.2	6.35	0.15	28,333	7,083	AFLSSTUBE -1/4 X 1.2
1.2	7.94	0.2	22,659	5,664	AFLSSTUBE -5/16 X 1.2
1.2	9.52	0.25	19,200	4,800	AFLSSTUBE -3/8 X 1.2
1.2	12.7	0.35	14,410	3,602	AFLSSTUBE -1/2 X 1.2
1.2	15.88	0.45	11,520	2,880	AFLSSTUBE -5/8 X 1.2
1.2	19.05	0.55	9,610	2,402	AFLSSTUBE -3/4 X 1.2
1.2	25.4	0.75	7,200	1,800	AFLSSTUBE -1 X 1.2
1.6	6.35	0.19	37,777	9,444	AFLSSTUBE -1/4 X 1.6
1.6	9.52	0.32	25,198	6,299	AFLSSTUBE -3/8 X 1.6
1.6	12.7	0.45	19,250	4,812	AFLSSTUBE -1/2 X 1.6
1.6	15.88	0.58	15,400	3,850	AFLSSTUBE -5/8 X 1.6
1.6	19.05	0.71	12,830	3,207	AFLSSTUBE -3/4 X 1.6
1.6	25.4	0.98	9,630	2,407	AFLSSTUBE -1 X 1.6
1.6	31.75	1.24	7,700	1,925	AFLSSTUBE -1 1/4 X 1.6
1.6	38.1	1.51	6,420	1,605	AFLSSTUBE -1 1/2 X 1.6
1.6	50.8	2.03	4,810	1,202	AFLSSTUBE -2 X 1.6
2.0	19.05	0.89	15,740	3,935	AFLSSTUBE -3/4 X 2.0
2.0	25.4	1.23	11,805	2,951	AFLSSTUBE -1 X 2.0
2.0	31.75	1.57	9,590	2,397	AFLSSTUBE -1 1/4 X 2.0
2.0	38.1	1.9	7,990	1,997	AFLSSTUBE -1 1/2 X 2.0
3.0	25.4	1.71	17,708	4,427	AFLSSTUBE -1 X 3.0
3.0	31.75	2.19	14,166	3,541	AFLSSTUBE -1 1/4 X 3.0
3.0	38.1	2.68	11,805	2,951	AFLSSTUBE -1 1/2 X 3.0
3.0	50.8	3.65	9,600	2,400	AFLSSTUBE -2 X 3.00

Metric Stainless Steel Tube (Seamless)

Manufactured to ASTM A269/213

Metric, Cold Drawn Seamless Annealed & Pickled, Plain Ends.

Mechanical polish available with production quantity and lead time. Length: 6 mtrs.



SAFE WORKING PRESSURES FOR AUSTENITIC STAINLESS STEEL TUBING

The safe working pressure is obtained by dividing the working pressure (refer to table) by a suitable safety factor.

Please note, the typical safe working pressure figures in the table were calculated on a safety factor of '4' .

Size		Weight	Burst Pressure	Typical Safe	Part Number
W.T.	O. D. (MM)	kg/metre	PSI	Working Pressure	
1	6	0.12	24988	6247	AFLSSTUBE -6MM X 1.0
1	10	0.2	14300	3575	AFLSSTUBE -10MM X 1.0
1.5	8	0.25	36984	9246	AFLSSTUBE -8MM X 1.5
1.5	10	0.32	27992	6998	AFLSSTUBE -10MM X 1.5
1.5	12	0.4	21755	5439	AFLSSTUBE -12MM X 1.5
2	16	0.69	21755	5439	AFLSSTUBE -16MM X 2.0
2	18	0.79	18564	4641	AFLSSTUBE -18MM X 2.0
2	20	0.89	16244	4061	AFLSSTUBE -20MM X 2.0
2	22	1	13630	3407	AFLSSTUBE -22MM X 2.0
2	28	1.29	10.877	2719	AFLSSTUBE - 28MM X 2.0
2	35	1.65	8567	2141	AFLSSTUBE -35MM X 2.0
2.5	25	1.4	14993	3748	AFLSSTUBE -25MM X 2.5
3	30	2.01	16244	4061	AFLSSTUBE -30MM X 3.0
3	38	2.6	12183	3046	AFLSSTUBE -38MM X 3.0
3	42	2.93	10709	2677	AFLSSTUBE - 42MM X 3.0
4	38	3.41	15782	3945	AFLSSTUBE -38MM X 4.0

P.T.F.E HOSE



R14

Applicable Standard: SAE J517— 100R14

Construction

Core: Sintered tube of polytetra fluoroethylene (P.T.F.E)

Reinforcement: 304 & 316 Stainless Braid

Temperature Range

Continuous: -54°C to +204°C

Intermittent: Max. +220°C

Application

P.T.F.E hose has excellent temperature characteristics both in high and low temperature, Excellent chemical resistance, non-contamination properties, low co-efficient of friction and resists deterioration. Therefore the hose is used generally in applications where all or one of the above properties is the main criteria.

Technical Details

PART NUMBER	WALL THICKNESS	HOSE I.D. (Nom.)		HOSE O.D. (Nom.)		WORKING PRESSURE		MIN. BURST PRESSURE		MIN. BEND RADIUS	
	(mm)	(In.)	(mm)	(In.)	(mm)	(psi)	(Bar)	(psi)	(Bar)	(mm)	(In.)
PTFE HOSE-02	1.00	1/8	3.00	0.24	6.20	3,260	225	13,040	900	40	1.60
PTFE HOSE-04	0.70	1/4	6.00	0.35	8.80	2,610	180	10,440	720	75	3.00
PTFE HOSE-06	0.70	3/8	9.50	0.48	12.1	2,390	165	9,560	660	125	5.00
PTFE HOSE-08	0.75	1/2	12.5	0.64	16.2	1,740	120	6,960	480	165	6.60
PTFE HOSE-10	0.90	5/8	16.0	0.74	18.8	1,270	88	5,080	352	200	8.00
PTFE HOSE-12	0.90	3/4	19.0	0.91	23.1	1,010	70	4,040	280	230	9.20
PTFE HOSE-16	1.20	1	25.0	1.15	29.2	870	60	3,480	240	300	12.00