



— DURAL —

# STAINLESS STEEL TUBES



## Dimension Specifications

ASTM A269 - Standard Specification for Seamless and Welded Austenitic Stainless Steel Tubing for General Service.

ASTM A213 - Standard Specification for Seamless Ferritic and Austenitic Alloy-Steel Boiler, Super Heater, and Heat-Exchanger Tubes.

### Material Specifications

TP316

TP316L

### Finishing

Annealed and Pickled (AP)

Polished, 320 Grit

Bright Annealed (BA)

### Recommended Bend Radius

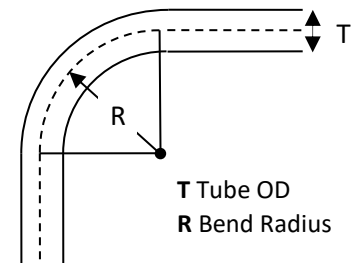
A bend radius of 3x the external tube diameter is recommended for cold bending of tubes with tube benders or by hand. (As per Figure 1)

### Welding Suitability

Tubes made of TP316 & TP316L are suitable for arc welding according to usual techniques. The welding filler should be selected in accordance with DIN EN 1600 and DIN EN 12072 part 1 taking into account the type of application and the welding technique.



**Stainless Steel Tube**



**Figure 1 Recommended Bend Radius**

## Chemical Composition

SS316/316L Chemical Composition (%)								
	C	Mn	P	S	Si	Ni	Cr	Mo
<b>Min.</b>						10.0	16.0	2.00
<b>Max.</b>	0.030	2.000	0.045	0.030	1.000	14.0	18.0	3.00

## Mechanical Properties of the Tubes at Room Temperature

SS316/SS316L	Tensile Strength $R_m$ (N/mm <sup>2</sup> )	Upper Yield Point $R_{eH}$ (N/mm <sup>2</sup> ) Min.	Elongation at Rupture $A_5$ (%) Min.	Hardness Test HRB
<b>Min.</b>	515	205	35	
<b>Max.</b>				80

**2.5% Minimum Molybdenum Tubes (Mo > 2.5%)**

2.5% minimum molybdenum specifications is used to enhance the corrosion resistance of seamless tubes. At Dural, we keep stock of a large range of Mo > 2.5% tubes.

**Elevated Temperature Factor**

Elevated Temperature Rating Factor is calculated using as per ASME B31.3. Dual Grades such as TP316/316L meet the requirements for the lower maximum carbon content of the L grades and the higher minimum yield and tensile strength of the non-L grades.

°F	-76	200	400	600	800	1000
°C	-60	93	204	315	426	537
Rating Factor	1.00	1.00	0.96	0.85	0.79	0.76

**Order Information**

TS	-	01	-	AP	-	MM	-	6	X	1.5
I		II		III		IV		V		VI

<b>I</b>	<b>Type of Item</b>		
TS	Stainless Steel Tubes		

<b>II</b>	<b>Material Grade</b>		
01	SS316/SS316L		
02	SS316/SS316L MO>2.5%		

<b>III</b>	<b>Item Finish</b>		
AP	Annealed & Pickled		
BA	Bright Annealed		
PO	Polished Grit 320		

<b>IV</b>	<b>Size Designator</b>		
MM	Metric Size		
IN	Inches Size		
NB	Nominal Bore Size		

<b>V</b>	<b>Tube OD Sizes</b>		
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**For Inch OD Sizes**

Size	1/8"	1/4"	5/16"	3/8"	1/2"	5/8"	3/4"	7/8"
Code	02	04	05	06	08	10	12	14
Size	1"	1 1/8"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
Code	16	18	20	24	32	40	48	64

<b>VI</b>	<b>Tube Thickness Sizes</b>		
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**For Inch OD Sizes**

Size	1/8"	1/4"	5/16"	3/8"	1/2"	5/8"	3/4"	7/8"
Code	02	04	05	06	08	10	12	14
Size	1"	1 1/8"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
Code	16	18	20	24	32	40	48	64

<b>VI</b>	<b>Tube Thickness Sizes</b>		
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**For Metric Sizes**

Size	1.0MM	1.5MM	2.0MM	.....	4.0MM	5.0MM	10.0MM
Code	1.0	1.5	2.0		4.0	5.0	10.0

**For Inch Sizes**

Size	0.035"	0.049"	0.065"	0.083"	0.095"
Code	035	049	065	083	095
Size	0.109"	0.120"	0.134"	0.156"	0.188"
Code	109	120	134	156	188

**Seamless Stainless Steel Tube ASTM A269/A213 TP316/316L Working Pressure Table**

No.	Part No	Description	Working Pressure (Bar)	Burst Pressure (Bar)	Weight /6 MTR (Kg)
1	TS-01-AP-IN-04X028	1/4"OD x 0.028" THK x 6 MTR SS316/316L TUBE (ANNEALED & PICKLED)	371	1068	0.60
2	TS-01-AP-IN-04X035	1/4"OD x 0.035" THK x 6 MTR SS316/316L TUBE (ANNEALED & PICKLED)	464	1336	0.73
3	TS-01-AP-IN-04X049	1/4"OD x 0.049" THK x 6 MTR SS316/316L TUBE (ANNEALED & PICKLED)	647	1863	0.95
4	TS-01-AP-IN-04X065	1/4"OD x 0.065" THK x 6 MTR SS316/316L TUBE (ANNEALED & PICKLED)	840	2419	1.14
5	TS-01-AP-IN-05X049	5/16"OD x 0.049" THK x 6 MTR SS316/316L TUBE (ANNEALED & PICKLED)	517	1490	1.24
6	TS-01-AP-IN-06X035	3/8"OD x 0.035" THK x 6 MTR SS316/316L TUBE (ANNEALED & PICKLED)	309	890	1.15
7	TS-01-AP-IN-06X049	3/8"OD x 0.049" THK x 6 MTR SS316/316L TUBE (ANNEALED & PICKLED)	431	1241	1.54
8	TS-01-AP-IN-06X065	3/8"OD x 0.065" THK x 6 MTR SS316/316L TUBE (ANNEALED & PICKLED)	560	1612	1.91
9	TS-01-AP-IN-06X083	3/8"OD x 0.083" THK x 6 MTR SS316/316L TUBE (ANNEALED & PICKLED)	733	2112	2.34
10	TS-01-AP-IN-08X035	1/2"OD x 0.035" THK x 6 MTR SS316/316L TUBE (ANNEALED & PICKLED)	232	668	1.57
11	TS-01-AP-IN-08X049	1/2"OD x 0.049" THK x 6 MTR SS316/316L TUBE (ANNEALED & PICKLED)	323	931	2.12
12	TS-01-AP-IN-08X065	1/2"OD x 0.065" THK x 6 MTR SS316/316L TUBE (ANNEALED & PICKLED)	420	1209	2.67
13	TS-01-AP-IN-08X083	1/2"OD x 0.083" THK x 6 MTR SS316/316L TUBE (ANNEALED & PICKLED)	550	1585	3.34
14	TS-01-AP-IN-08X120	1/2"OD x 0.120" THK x 6 MTR SS316/316L TUBE (ANNEALED & PICKLED)	795	2290	4.40
15	TS-01-AP-IN-10X049	5/8"OD x 0.049" THK x 6 MTR SS316/316L TUBE (ANNEALED & PICKLED)	260	748	2.71
16	TS-01-AP-IN-12X049	3/4"OD x 0.049" THK x 6 MTR SS316/316L TUBE (ANNEALED & PICKLED)	216	621	3.30
17	TS-01-AP-IN-12X065	3/4"OD x 0.065" THK x 6 MTR SS316/316L TUBE (ANNEALED & PICKLED)	280	806	4.20
18	TS-01-AP-IN-12X083	3/4"OD x 0.083" THK x 6 MTR SS316/316L TUBE (ANNEALED & PICKLED)	367	1057	5.34
19	TS-01-AP-IN-12X109	3/4"OD x 0.109" THK x 6 MTR SS316/316L TUBE (ANNEALED & PICKLED)	482	1387	6.74
20	TS-01-AP-IN-16X035	1"OD x 0.035" THK x 6 MTR SS316/316L TUBE (ANNEALED & PICKLED)	116	334	3.26
21	TS-01-AP-IN-16X049	1"OD x 0.049" THK x 6 MTR SS316/316L TUBE (ANNEALED & PICKLED)	162	466	4.48
22	TS-01-AP-IN-16X065	1"OD x 0.065" THK x 6 MTR SS316/316L TUBE (ANNEALED & PICKLED)	210	605	5.72
23	TS-01-AP-IN-16X083	1"OD x 0.083" THK x 6 MTR SS316/316L TUBE (ANNEALED & PICKLED)	275	792	7.34
24	TS-01-AP-IN-16X109	1"OD x 0.109" THK x 6 MTR SS316/316L TUBE (ANNEALED & PICKLED)	361	1040	9.37

**Note: Working Pressure Calculation: Calculated from ASME B31.1, with values from AMSE B31.3**

**Seamless Stainless Steel Tube ASTM A269/A213 TP316/316L Working Pressure Table**

No.	Part No	Description	Working Pressure (Bar)	Burst Pressure (Bar)	Weight /6 MTR (Kg)
25	TS-01-AP-IN-16X120	1"OD x 0.120" THK x 6 MTR SS316/316L TUBE (ANNEALED & PICKLED)	398	1146	10.19
26	TS-01-AP-IN-20X083	1 1/4"OD x 0.083" THK x 6 MTR SS316/316L TUBE (ANNEALED & PICKLED)	220	634	9.35
27	TS-01-AP-IN-20X109	1 1/4"OD x 0.109" THK x 6 MTR SS316/316L TUBE (ANNEALED & PICKLED)	289	832	12.00
28	TS-01-AP-IN-20X120	1 1/4"OD x 0.120" THK x 6 MTR SS316/316L TUBE (ANNEALED & PICKLED)	318	916	13.08
29	TS-01-AP-IN-24X120	1 1/2"OD x 0.120" THK x 6 MTR SS316/316L TUBE (ANNEALED & PICKLED)	265	764	15.98
30	TS-01-AP-IN-24X184	1 1/2"OD x 0.184" THK x 6 MTR SS316/316L TUBE (ANNEALED & PICKLED)	406	1169	23.33
31	TS-01-AP-IN-24X188	1 1/2"OD x 0.188" THK x 6 MTR SS316/316L TUBE (ANNEALED & PICKLED)	415	1196	23.78
32	TS-01-AP-MM-4X1.0	4MM OD x 1.0MM THK x 6 MTR SS316/316L TUBE (ANNEALED & PICKLED)	828	2385	0.45
33	TS-01-AP-MM-5X1.0	5MM OD x 1.0MM THK x 6 MTR SS316/316L TUBE (ANNEALED & PICKLED)	662	1908	0.60
34	TS-01-AP-MM-6X1.0	6MM OD x 1.0MM THK x 6 MTR SS316/316L TUBE (ANNEALED & PICKLED)	552	1590	0.75
35	TS-01-AP-MM-6X1.5	6MM OD x 1.5MM THK x 6 MTR SS316/316L TUBE (ANNEALED & PICKLED)	828	2385	1.01
36	TS-01-AP-MM-8X1.0	8MM OD x 1.0MM THK x 6 MTR SS316/316L TUBE (ANNEALED & PICKLED)	414	1193	1.05
37	TS-01-AP-MM-8X1.5	8MM OD x 1.5MM THK x 6 MTR SS316/316L TUBE (ANNEALED & PICKLED)	621	1789	1.46
38	TS-01-AP-MM-8X2.0	8MM OD x 2.0MM THK x 6 MTR SS316/316L TUBE (ANNEALED & PICKLED)	828	2385	1.79
39	TS-01-AP-MM-8X2.5	8MM OD x 2.5MM THK x 6 MTR SS316/316L TUBE (ANNEALED & PICKLED)	1035	2981	2.06
40	TS-01-AP-MM-10X1.0	10MM OD x 1.0MM THK x 6 MTR SS316/316L TUBE (ANNEALED & PICKLED)	331	954	1.35
41	TS-01-AP-MM-10X1.2	10MM OD x 1.2MM THK x 6 MTR SS316/316L TUBE (ANNEALED & PICKLED)	397	1145	1.58
42	TS-01-AP-MM-10X1.5	10MM OD x 1.5MM THK x 6 MTR SS316/316L TUBE (ANNEALED & PICKLED)	497	1431	1.91
43	TS-01-AP-MM-10X2.0	10MM OD x 2.0MM THK x 6 MTR SS316/316L TUBE (ANNEALED & PICKLED)	662	1908	2.39
44	TS-01-AP-MM-10X2.5	10MM OD x 2.5MM THK x 6 MTR SS316/316L TUBE (ANNEALED & PICKLED)	828	2385	2.80
45	TS-01-AP-MM-12X1.0	12MM OD x 1.0MM THK x 6 MTR SS316/316L TUBE (ANNEALED & PICKLED)	276	795	1.64
46	TS-01-AP-MM-12X1.2	12MM OD x 1.2MM THK x 6 MTR SS316/316L TUBE (ANNEALED & PICKLED)	331	954	1.94
47	TS-01-AP-MM-12X1.5	12MM OD x 1.5MM THK x 6 MTR SS316/316L TUBE (ANNEALED & PICKLED)	414	1193	2.35
48	TS-01-AP-MM-12X2.0	12MM OD x 2.0MM THK x 6 MTR SS316/316L TUBE (ANNEALED & PICKLED)	552	1590	2.99

**Note: Working Pressure Calculation: Calculated from ASME B31.1, with values from AMSE B31.3**

**Seamless Stainless Steel Tube ASTM A269/A213 TP316/316L Working Pressure Table**

No.	Part No	Description	Working Pressure (Bar)	Burst Pressure (Bar)	Weight /6 MTR (Kg)
49	TS-01-AP-MM-12X2.5	12MM OD x 2.5MM THK x 6 MTR SS316/316L TUBE (ANNEALED & PICKLED)	690	1988	3.55
50	TS-01-AP-MM-12X3.0	12MM OD x 3.0MM THK x 6 MTR SS316/316L TUBE (ANNEALED & PICKLED)	828	2385	4.06
51	TS-01-AP-MM-14X1.5	14MM OD x 1.5MM THK x 6 MTR SS316/316L TUBE (ANNEALED & PICKLED)	355	1022	2.80
52	TS-01-AP-MM-14X2.0	14MM OD x 2.0MM THK x 6 MTR SS316/316L TUBE (ANNEALED & PICKLED)	473	1363	3.59
53	TS-01-AP-MM-14X2.5	14MM OD x 2.5MM THK x 6 MTR SS316/316L TUBE (ANNEALED & PICKLED)	591	1704	4.30
54	TS-01-AP-MM-14X3.0	14MM OD x 3.0MM THK x 6 MTR SS316/316L TUBE (ANNEALED & PICKLED)	710	2044	4.93
55	TS-01-AP-MM-15X1.5	15MM OD x 1.5MM THK x 6 MTR SS316/316L TUBE (ANNEALED & PICKLED)	331	954	3.03
56	TS-01-AP-MM-15X2.0	15MM OD x 2.0MM THK x 6 MTR SS316/316L TUBE (ANNEALED & PICKLED)	442	1272	3.89
57	TS-01-AP-MM-15X2.5	15MM OD x 2.5MM THK x 6 MTR SS316/316L TUBE (ANNEALED & PICKLED)	552	1590	4.67
58	TS-01-AP-MM-15X3.0	15MM OD x 3.0MM THK x 6 MTR SS316/316L TUBE (ANNEALED & PICKLED)	552	1590	4.67
59	TS-01-AP-MM-16X1.5	16MM OD x 1.5MM THK x 6 MTR SS316/316L TUBE (ANNEALED & PICKLED)	311	894	3.25
60	TS-01-AP-MM-16X2.0	16MM OD x 2.0MM THK x 6 MTR SS316/316L TUBE (ANNEALED & PICKLED)	414	1193	4.18
61	TS-01-AP-MM-16X2.5	16MM OD x 2.5MM THK x 6 MTR SS316/316L TUBE (ANNEALED & PICKLED)	518	1491	5.04
62	TS-01-AP-MM-16X3.0	16MM OD x 3.0MM THK x 6 MTR SS316/316L TUBE (ANNEALED & PICKLED)	621	1789	5.83
63	TS-01-AP-MM-18X1.5	18MM OD x 1.5MM THK x 6 MTR SS316/316L TUBE (ANNEALED & PICKLED)	276	795	3.70
64	TS-01-AP-MM-18X2.0	18MM OD x 2.0MM THK x 6 MTR SS316/316L TUBE (ANNEALED & PICKLED)	368	1060	4.78
65	TS-01-AP-MM-18X3.0	18MM OD x 3.0MM THK x 6 MTR SS316/316L TUBE (ANNEALED & PICKLED)	552	1590	6.77
66	TS-01-AP-MM-20X1.5	20MM OD x 1.5MM THK x 6 MTR SS316/316L TUBE (ANNEALED & PICKLED)	248	716	4.15
67	TS-01-AP-MM-20X2.0	20MM OD x 2.0MM THK x 6 MTR SS316/316L TUBE (ANNEALED & PICKLED)	331	954	5.38
68	TS-01-AP-MM-20X2.5	20MM OD x 2.5MM THK x 6 MTR SS316/316L TUBE (ANNEALED & PICKLED)	414	1193	6.54
69	TS-01-AP-MM-20X3.0	20MM OD x 3.0MM THK x 6 MTR SS316/316L TUBE (ANNEALED & PICKLED)	497	1431	7.62
70	TS-01-AP-MM-22X1.5	22MM OD x 1.5MM THK x 6 MTR SS316/316L TUBE (ANNEALED & PICKLED)	226	650	4.60
71	TS-01-AP-MM-22X2.0	22MM OD x 2.0MM THK x 6 MTR SS316/316L TUBE (ANNEALED & PICKLED)	301	867	5.98
72	TS-01-AP-MM-22X2.5	22MM OD x 2.5MM THK x 6 MTR SS316/316L TUBE (ANNEALED & PICKLED)	376	1084	7.29

**Note: Working Pressure Calculation: Calculated from ASME B31.1, with values from AMSE B31.3**



**Seamless Stainless Steel Tube ASTM A269/A213 TP316/316L Working Pressure Table**

No.	Part No	Description	Working Pressure (Bar)	Burst Pressure (Bar)	Weight /6 MTR (Kg)
73	TS-01-AP-MM-22X3.0	22MM OD x 3.0MM THK x 6 MTR SS316/316L TUBE (ANNEALED & PICKLED)	452	1301	8.52
74	TS-01-AP-MM-25X1.5	25MM OD x 1.5MM THK x 6 MTR SS316/316L TUBE (ANNEALED & PICKLED)	199	572	5.27
75	TS-01-AP-MM-25X2.0	25MM OD x 2.0MM THK x 6 MTR SS316/316L TUBE (ANNEALED & PICKLED)	265	763	6.88
76	TS-01-AP-MM-25X2.5	25MM OD x 2.5MM THK x 6 MTR SS316/316L TUBE (ANNEALED & PICKLED)	331	954	8.41
77	TS-01-AP-MM-25X3.0	25MM OD x 3.0MM THK x 6 MTR SS316/316L TUBE (ANNEALED & PICKLED)	397	1145	9.86
78	TS-01-AP-MM-25X4.0	25MM OD x 4.0MM THK x 6 MTR SS316/316L TUBE (ANNEALED & PICKLED)	530	1526	12.55
79	TS-01-AP-MM-28X2.0	28MM OD x 2.0MM THK x 6 MTR SS316/316L TUBE (ANNEALED & PICKLED)	237	681	7.77
80	TS-01-AP-MM-28X2.5	28MM OD x 2.5MM THK x 6 MTR SS316/316L TUBE (ANNEALED & PICKLED)	296	852	9.53
81	TS-01-AP-MM-28X3.0	28MM OD x 3.0MM THK x 6 MTR SS316/316L TUBE (ANNEALED & PICKLED)	355	1022	11.21
82	TS-01-AP-MM-30X2.0	30MM OD x 2.0MM THK x 6 MTR SS316/316L TUBE (ANNEALED & PICKLED)	221	636	8.37
83	TS-01-AP-MM-30X2.5	30MM OD x 2.5MM THK x 6 MTR SS316/316L TUBE (ANNEALED & PICKLED)	276	795	10.28
84	TS-01-AP-MM-30X3.0	30MM OD x 3.0MM THK x 6 MTR SS316/316L TUBE (ANNEALED & PICKLED)	331	954	12.11
85	TS-01-AP-MM-30X4.0	30MM OD x 4.0MM THK x 6 MTR SS316/316L TUBE (ANNEALED & PICKLED)	442	1272	15.54
86	TS-01-AP-MM-35X2.0	35MM OD x 2.0MM THK x 6 MTR SS316/316L TUBE (ANNEALED & PICKLED)	189	545	9.86
87	TS-01-AP-MM-35X3.0	35MM OD x 3.0MM THK x 6 MTR SS316/316L TUBE (ANNEALED & PICKLED)	284	818	14.35
88	TS-01-AP-MM-38X3.0	38MM OD x 3.0MM THK x 6 MTR SS316/316L TUBE (ANNEALED & PICKLED)	261	753	15.69
89	TS-01-AP-MM-38X4.0	38MM OD x 4.0MM THK x 6 MTR SS316/316L TUBE (ANNEALED & PICKLED)	349	1004	20.33
90	TS-01-AP-MM-38X5.0	38MM OD x 5.0MM THK x 6 MTR SS316/316L TUBE (ANNEALED & PICKLED)	436	1255	24.66
91	TS-01-AP-MM-42X2.0	42MM OD x 2.0MM THK x 6 MTR SS316/316L TUBE (ANNEALED & PICKLED)	158	454	11.96
92	TS-01-AP-MM-42X3.0	42MM OD x 3.0MM THK x 6 MTR SS316/316L TUBE (ANNEALED & PICKLED)	237	681	17.49
93	TS-01-AP-MM-42X4.0	42MM OD x 4.0MM THK x 6 MTR SS316/316L TUBE (ANNEALED & PICKLED)	315	909	22.72
94	TS-01-AP-MM-50X3.0	50MM OD x 3.0MM THK x 6 MTR SS316/316L TUBE (ANNEALED & PICKLED)	199	572	21.07
95	TS-01-AP-MM-50X5.0	50MM OD x 5.0MM THK x 6 MTR SS316/316L TUBE (ANNEALED & PICKLED)	331	954	33.63
96	TS-01-AP-MM-50X6.0	50MM OD x 6.0MM THK x 6 MTR SS316/316L TUBE (ANNEALED & PICKLED)	397	1145	39.46

**Note: Working Pressure Calculation: Calculated from ASME B31.1, with values from AMSE B31.3**





### Seamless Stainless Steel Tube ASTM A269/A213 TP316/316L Working Pressure Table

No.	Part No	Description	Working Pressure (Bar)	Burst Pressure (Bar)	Weight /6 MTR (Kg)
97	TS-01-AP-MM-60X3.0	60MM OD x 3.0MM THK x 6 MTR SS316/316L TUBE (ANNEALED & PICKLED)	166	477	25.56
98	TS-01-AP-MM-60X5.0	60MM OD x 5.0MM THK x 6 MTR SS316/316L TUBE (ANNEALED & PICKLED)	276	795	41.10

**Note: Working Pressure Calculation: Calculated from ASME B31.1, with values from AMSE B31.3**



**Seamless Stainless Steel Tube ASTM A269/A213 TP316/316L MO>2.5% Working Pressure Table**

No.	Part No	Description	Working Pressure (Bar)	Burst Pressure (Bar)	Weight /6 MTR (Kg)
99	TS-02-AP-IN-04X035	1/4"OD x 0.035" THK x 6 MTR SS316/316L MO>2.5% TUBE (ANNEALED & PICKLED)	464	1336	0.73
100	TS-02-AP-IN-04X049	1/4"OD x 0.049" THK x 6 MTR SS316/316L MO>2.5% TUBE (ANNEALED & PICKLED)	647	1863	0.95
101	TS-02-AP-IN-04X065	1/4"OD x 0.065" THK x 6 MTR SS316/316L MO>2.5% TUBE (ANNEALED & PICKLED)	861	2480	1.16
102	TS-02-AP-IN-06X035	3/8"OD x 0.035" THK x 6 MTR SS316/316L MO>2.5% TUBE (ANNEALED & PICKLED)	309	890	1.15
103	TS-02-AP-IN-06X049	3/8"OD x 0.049" THK x 6 MTR SS316/316L MO>2.5% TUBE (ANNEALED & PICKLED)	431	1241	1.54
104	TS-02-AP-IN-06X065	3/8"OD x 0.065" THK x 6 MTR SS316/316L MO>2.5% TUBE (ANNEALED & PICKLED)	574	1653	1.94
105	TS-02-AP-IN-06X083	3/8"OD x 0.083" THK x 6 MTR SS316/316L MO>2.5% TUBE (ANNEALED & PICKLED)	733	2112	2.34
106	TS-02-AP-IN-08X035	1/2"OD x 0.035" THK x 6 MTR SS316/316L MO>2.5% TUBE (ANNEALED & PICKLED)	232	668	1.57
107	TS-02-AP-IN-08X049	1/2"OD x 0.049" THK x 6 MTR SS316/316L MO>2.5% TUBE (ANNEALED & PICKLED)	323	931	2.12
108	TS-02-AP-IN-08X065	1/2"OD x 0.065" THK x 6 MTR SS316/316L MO>2.5% TUBE (ANNEALED & PICKLED)	431	1240	2.73
109	TS-02-AP-IN-08X083	1/2"OD x 0.083" THK x 6 MTR SS316/316L MO>2.5% TUBE (ANNEALED & PICKLED)	550	1585	3.34
110	TS-02-AP-IN-12X049	3/4"OD x 0.049" THK x 6 MTR SS316/316L MO>2.5% TUBE (ANNEALED & PICKLED)	216	621	3.30
111	TS-02-AP-IN-12X065	3/4"OD x 0.065" THK x 6 MTR SS316/316L MO>2.5% TUBE (ANNEALED & PICKLED)	287	827	4.29
112	TS-02-AP-IN-12X083	3/4"OD x 0.083" THK x 6 MTR SS316/316L MO>2.5% TUBE (ANNEALED & PICKLED)	367	1057	5.34
113	TS-02-AP-IN-12X109	3/4"OD x 0.109" THK x 6 MTR SS316/316L MO>2.5% TUBE (ANNEALED & PICKLED)	482	1387	6.74
114	TS-02-AP-IN-16X049	1"OD x 0.049" THK x 6 MTR SS316/316L MO>2.5% TUBE (ANNEALED & PICKLED)	162	466	4.48
115	TS-02-AP-IN-16X065	1"OD x 0.065" THK x 6 MTR SS316/316L MO>2.5% TUBE (ANNEALED & PICKLED)	215	620	5.86
116	TS-02-AP-IN-16X083	1"OD x 0.083" THK x 6 MTR SS316/316L MO>2.5% TUBE (ANNEALED & PICKLED)	275	792	7.34
117	TS-02-AP-IN-16X109	1"OD x 0.109" THK x 6 MTR SS316/316L MO>2.5% TUBE (ANNEALED & PICKLED)	361	1040	9.37
118	TS-02-AP-IN-16X120	1"OD x 0.120" THK x 6 MTR SS316/316L MO>2.5% TUBE (ANNEALED & PICKLED)	398	1146	10.19
119	TS-02-AP-IN-20X109	1 1/4"OD x 0.109" THK x 6 MTR SS316/316L MO>2.5% TUBE (ANNEALED & PICKLED)	289	832	12.00
120	TS-02-AP-IN-20X120	1 1/4"OD x 0.120" THK x 6 MTR SS316/316L MO>2.5% TUBE (ANNEALED & PICKLED)	318	916	13.08
121	TS-02-AP-IN-24X120	1 1/2"OD x 0.120" THK x 6 MTR SS316/316L MO>2.5% TUBE (ANNEALED & PICKLED)	265	764	15.98
122	TS-02-AP-IN-24X188	1 1/2"OD x 0.188" THK x 6 MTR SS316/316L MO>2.5% TUBE (ANNEALED & PICKLED)	416	1197	23.80

**Note: Working Pressure Calculation: DIN 2413 I Static Straight Pipe including manufacturing tolerance.**

**Seamless Stainless Steel Tube ASTM A269/A213 TP316/316L MO>2.5% Working Pressure Table**

No.	Part No	Description	Working Pressure (Bar)	Burst Pressure (Bar)	Weight /6 MTR (Kg)
123	TS-02-AP-MM-6X1.0	6MM OD x 1.0MM THK x 6 MTR SS316/316L MO>2.5% TUBE (ANNEALED & PICKLED)	552	1590	0.75
124	TS-02-AP-MM-6X1.5	6MM OD x 1.5MM THK x 6 MTR SS316/316L MO>2.5% TUBE (ANNEALED & PICKLED)	828	2385	1.01
125	TS-02-AP-MM-8X1.0	8MM OD x 1.0MM THK x 6 MTR SS316/316L MO>2.5% TUBE (ANNEALED & PICKLED)	414	1193	1.05
126	TS-02-AP-MM-8X1.5	8MM OD x 1.5MM THK x 6 MTR SS316/316L MO>2.5% TUBE (ANNEALED & PICKLED)	621	1789	1.46
127	TS-02-AP-MM-8X2.0	8MM OD x 2.0MM THK x 6 MTR SS316/316L MO>2.5% TUBE (ANNEALED & PICKLED)	828	2385	1.79
128	TS-02-AP-MM-8X2.5	8MM OD x 2.5MM THK x 6 MTR SS316/316L MO>2.5% TUBE (ANNEALED & PICKLED)	1035	2981	2.06
129	TS-02-AP-MM-10X1.0	10MM OD x 1.0MM THK x 6 MTR SS316/316L MO>2.5% TUBE (ANNEALED & PICKLED)	331	954	1.35
130	TS-02-AP-MM-10X1.5	10MM OD x 1.5MM THK x 6 MTR SS316/316L MO>2.5% TUBE (ANNEALED & PICKLED)	497	1431	1.91
131	TS-02-AP-MM-10X2.0	10MM OD x 2.0MM THK x 6 MTR SS316/316L MO>2.5% TUBE (ANNEALED & PICKLED)	662	1908	2.39
132	TS-02-AP-MM-10X2.5	10MM OD x 2.5MM THK x 6 MTR SS316/316L MO>2.5% TUBE (ANNEALED & PICKLED)	828	2385	2.80
133	TS-02-AP-MM-12X1.0	12MM OD x 1.0MM THK x 6 MTR SS316/316L MO>2.5% TUBE (ANNEALED & PICKLED)	276	795	1.64
134	TS-02-AP-MM-12X1.5	12MM OD x 1.5MM THK x 6 MTR SS316/316L MO>2.5% TUBE (ANNEALED & PICKLED)	414	1193	2.35
135	TS-02-AP-MM-12X2.0	12MM OD x 2.0MM THK x 6 MTR SS316/316L MO>2.5% TUBE (ANNEALED & PICKLED)	552	1590	2.99
136	TS-02-AP-MM-12X2.5	12MM OD x 2.5MM THK x 6 MTR SS316/316L MO>2.5% TUBE (ANNEALED & PICKLED)	690	1988	3.55
137	TS-02-AP-MM-12X3.0	12MM OD x 3.0MM THK x 6 MTR SS316/316L MO>2.5% TUBE (ANNEALED & PICKLED)	828	2385	4.04
138	TS-02-AP-MM-14X1.5	14MM OD x 1.5MM THK x 6 MTR SS316/316L MO>2.5% TUBE (ANNEALED & PICKLED)	355	1022	2.80
139	TS-02-AP-MM-14X2.0	14MM OD x 2.0MM THK x 6 MTR SS316/316L MO>2.5% TUBE (ANNEALED & PICKLED)	473	1363	3.59
140	TS-02-AP-MM-14X2.5	14MM OD x 2.5MM THK x 6 MTR SS316/316L MO>2.5% TUBE (ANNEALED & PICKLED)	591	1704	4.30
141	TS-02-AP-MM-14X3.0	14MM OD x 3.0MM THK x 6 MTR SS316/316L MO>2.5% TUBE (ANNEALED & PICKLED)	710	2044	4.93
142	TS-02-AP-MM-15X1.5	15MM OD x 1.5MM THK x 6 MTR SS316/316L MO>2.5% TUBE (ANNEALED & PICKLED)	331	954	3.03
143	TS-02-AP-MM-15X2.0	15MM OD x 2.0MM THK x 6 MTR SS316/316L MO>2.5% TUBE (ANNEALED & PICKLED)	442	1272	3.89
144	TS-02-AP-MM-15X2.5	15MM OD x 2.5MM THK x 6 MTR SS316/316L MO>2.5% TUBE (ANNEALED & PICKLED)	552	1590	4.67
145	TS-02-AP-MM-15X3.0	15MM OD x 3.0MM THK x 6 MTR SS316/316L MO>2.5% TUBE (ANNEALED & PICKLED)	662	1908	5.38
146	TS-02-AP-MM-16X1.5	16MM OD x 1.5MM THK x 6 MTR SS316/316L MO>2.5% TUBE (ANNEALED & PICKLED)	311	894	3.25

**Note: Working Pressure Calculation: DIN 2413 I Static Straight Pipe including manufacturing tolerance.**

**Seamless Stainless Steel Tube ASTM A269/A213 TP316/316L MO>2.5% Working Pressure Table**

No.	Part No	Description	Working Pressure (Bar)	Burst Pressure (Bar)	Weight /6 MTR (Kg)
147	TS-02-AP-MM-16X2.0	16MM OD x 2.0MM THK x 6 MTR SS316/316L MO>2.5% TUBE (ANNEALED & PICKLED)	414	1193	4.18
148	TS-02-AP-MM-16X3.0	16MM OD x 3.0MM THK x 6 MTR SS316/316L MO>2.5% TUBE (ANNEALED & PICKLED)	621	1789	5.83
149	TS-02-AP-MM-18X1.5	18MM OD x 1.5MM THK x 6 MTR SS316/316L MO>2.5% TUBE (ANNEALED & PICKLED)	276	795	3.70
150	TS-02-AP-MM-18X2.0	18MM OD x 2.0MM THK x 6 MTR SS316/316L MO>2.5% TUBE (ANNEALED & PICKLED)	368	1060	4.78
151	TS-02-AP-MM-18X2.5	18MM OD x 2.5MM THK x 6 MTR SS316/316L MO>2.5% TUBE (ANNEALED & PICKLED)	460	1325	5.79
152	TS-02-AP-MM-18X3.0	18MM OD x 3.0MM THK x 6 MTR SS316/316L MO>2.5% TUBE (ANNEALED & PICKLED)	552	1590	6.73
153	TS-02-AP-MM-20X1.5	20MM OD x 1.5MM THK x 6 MTR SS316/316L MO>2.5% TUBE (ANNEALED & PICKLED)	248	716	4.15
154	TS-02-AP-MM-20X2.0	20MM OD x 2.0MM THK x 6 MTR SS316/316L MO>2.5% TUBE (ANNEALED & PICKLED)	331	954	5.38
155	TS-02-AP-MM-20X2.5	20MM OD x 2.5MM THK x 6 MTR SS316/316L MO>2.5% TUBE (ANNEALED & PICKLED)	414	1193	6.54
156	TS-02-AP-MM-22X1.5	22MM OD x 1.5MM THK x 6 MTR SS316/316L MO>2.5% TUBE (ANNEALED & PICKLED)	226	650	4.60
157	TS-02-AP-MM-22X2.0	22MM OD x 2.0MM THK x 6 MTR SS316/316L MO>2.5% TUBE (ANNEALED & PICKLED)	301	867	5.98
158	TS-02-AP-MM-25X1.5	25MM OD x 1.5MM THK x 6 MTR SS316/316L MO>2.5% TUBE (ANNEALED & PICKLED)	199	572	5.27
159	TS-02-AP-MM-25X2.0	25MM OD x 2.0MM THK x 6 MTR SS316/316L MO>2.5% TUBE (ANNEALED & PICKLED)	265	763	6.88
160	TS-02-AP-MM-25X2.5	25MM OD x 2.5MM THK x 6 MTR SS316/316L MO>2.5% TUBE (ANNEALED & PICKLED)	331	954	8.41
161	TS-02-AP-MM-25X3.0	25MM OD x 3.0MM THK x 6 MTR SS316/316L MO>2.5% TUBE (ANNEALED & PICKLED)	397	1145	9.86
162	TS-02-AP-MM-25X4.0	25MM OD x 4.0MM THK x 6 MTR SS316/316L MO>2.5% TUBE (ANNEALED & PICKLED)	530	1526	12.55
163	TS-02-AP-MM-28X2.0	28MM OD x 2.0MM THK x 6 MTR SS316/316L MO>2.5% TUBE (ANNEALED & PICKLED)	237	681	7.77
164	TS-02-AP-MM-28X2.5	28MM OD x 2.5MM THK x 6 MTR SS316/316L MO>2.5% TUBE (ANNEALED & PICKLED)	296	852	9.53
165	TS-02-AP-MM-28X3.0	28MM OD x 3.0MM THK x 6 MTR SS316/316L MO>2.5% TUBE (ANNEALED & PICKLED)	355	1022	11.21
166	TS-02-AP-MM-30X2.0	30MM OD x 2.0MM THK x 6 MTR SS316/316L MO>2.5% TUBE (ANNEALED & PICKLED)	221	636	8.37
167	TS-02-AP-MM-30X3.0	30MM OD x 3.0MM THK x 6 MTR SS316/316L MO>2.5% TUBE (ANNEALED & PICKLED)	331	954	12.11
168	TS-02-AP-MM-30X4.0	30MM OD x 4.0MM THK x 6 MTR SS316/316L MO>2.5% TUBE (ANNEALED & PICKLED)	442	1272	15.54
169	TS-02-AP-MM-35X3.0	35MM OD x 3.0MM THK x 6 MTR SS316/316L MO>2.5% TUBE (ANNEALED & PICKLED)	284	818	14.35
170	TS-02-AP-MM-38X3.0	38MM OD x 3.0MM THK x 6 MTR SS316/316L MO>2.5% TUBE (ANNEALED & PICKLED)	261	753	15.69

**Note: Working Pressure Calculation: DIN 2413 I Static Straight Pipe including manufacturing tolerance.**



Seamless Stainless Steel Tube ASTM A269/A213 TP316/316L MO>2.5% Working Pressure Table

No.	Part No	Description	Working Pressure (Bar)	Burst Pressure (Bar)	Weight /6 MTR (Kg)
171	TS-02-AP-MM-38X4.0	38MM OD x 4.0MM THK x 6 MTR SS316/316L MO>2.5% TUBE (ANNEALED & PICKLED)	349	1004	20.33
172	TS-02-AP-MM-38X5.0	38MM OD x 5.0MM THK x 6 MTR SS316/316L MO>2.5% TUBE (ANNEALED & PICKLED)	436	1255	24.66
173	TS-02-AP-MM-42X2.0	42MM OD x 2.0MM THK x 6 MTR SS316/316L MO>2.5% TUBE (ANNEALED & PICKLED)	158	454	12.03
174	TS-02-AP-MM-42X3.0	42MM OD x 3.0MM THK x 6 MTR SS316/316L MO>2.5% TUBE (ANNEALED & PICKLED)	237	681	17.49

Note: Working Pressure Calculation: DIN 2413 I Static Straight Pipe including manufacturing tolerance.

**Seamless Stainless Steel Tube ASTM A269/A213 TP316/316L Polished Grit 320 Working Pressure Table**

No.	Part No	Description	Working Pressure (Bar)	Burst Pressure (Bar)	Weight /6 MTR (Kg)
175	TS-01-PO-IN-04X035	1/4"OD x 0.035" THK x 6 MTR SS316/316L TUBE (POLISHED 320 GRIT)	464	1336	0.73
176	TS-01-PO-IN-04X049	1/4"OD x 0.049" THK x 6 MTR SS316/316L TUBE (POLISHED 320 GRIT)	647	1863	0.95
177	TS-01-PO-IN-04X065	1/4"OD x 0.065" THK x 6 MTR SS316/316L TUBE (POLISHED 320 GRIT)	840	2419	1.14
178	TS-01-PO-IN-05X065	5/16"OD x 0.065" THK x 6 MTR SS316/316L TUBE (POLISHED 320 GRIT)	688	1982	1.55
179	TS-01-PO-IN-06X035	3/8"OD x 0.035" THK x 6 MTR SS316/316L TUBE (POLISHED 320 GRIT)	309	890	1.15
180	TS-01-PO-IN-06X049	3/8"OD x 0.049" THK x 6 MTR SS316/316L TUBE (POLISHED 320 GRIT)	431	1241	1.54
181	TS-01-PO-IN-06X065	3/8"OD x 0.065" THK x 6 MTR SS316/316L TUBE (POLISHED 320 GRIT)	560	1612	1.91
182	TS-01-PO-IN-08X035	1/2"OD x 0.035" THK x 6 MTR SS316/316L TUBE (POLISHED 320 GRIT)	232	668	1.57
183	TS-01-PO-IN-08X049	1/2"OD x 0.049" THK x 6 MTR SS316/316L TUBE (POLISHED 320 GRIT)	323	931	2.12
184	TS-01-PO-IN-08X065	1/2"OD x 0.065" THK x 6 MTR SS316/316L TUBE (POLISHED 320 GRIT)	420	1209	2.67
185	TS-01-PO-IN-08X083	1/2"OD x 0.083" THK x 6 MTR SS316/316L TUBE (POLISHED 320 GRIT)	550	1585	3.34
186	TS-01-PO-IN-10X065	5/8"OD x 0.065" THK x 6 MTR SS316/316L TUBE (POLISHED 320 GRIT)	335	966	3.44
187	TS-01-PO-IN-12X065	3/4"OD x 0.065" THK x 6 MTR SS316/316L TUBE (POLISHED 320 GRIT)	280	806	4.20
188	TS-01-PO-IN-12X083	3/4"OD x 0.083" THK x 6 MTR SS316/316L TUBE (POLISHED 320 GRIT)	367	1057	5.34
189	TS-01-PO-IN-12X109	3/4"OD x 0.109" THK x 6 MTR SS316/316L TUBE (POLISHED 320 GRIT)	482	1387	6.74
190	TS-01-PO-IN-16X065	1"OD x 0.065" THK x 6 MTR SS316/316L TUBE (POLISHED 320 GRIT)	210	620	5.72
191	TS-01-PO-IN-16X083	1"OD x 0.083" THK x 6 MTR SS316/316L TUBE (POLISHED 320 GRIT)	275	792	7.34
192	TS-01-PO-IN-20X083	1 1/4"OD x 0.083" THK x 6 MTR SS316/316L TUBE (POLISHED 320 GRIT)	220	634	9.35
193	TS-01-PO-IN-20X109	1 1/4"OD x 0.109" THK x 6 MTR SS316/316L TUBE (POLISHED 320 GRIT)	289	832	12.00
194	TS-01-PO-IN-20X120	1 1/4"OD x 0.120" THK x 6 MTR SS316/316L TUBE (POLISHED 320 GRIT)	318	916	13.08
195	TS-01-PO-IN-24X120	1 1/2"OD x 0.120" THK x 6 MTR SS316/316L TUBE (POLISHED 320 GRIT)	265	763	15.97
196	TS-01-PO-IN-24X184	1 1/2"OD x 0.184" THK x 6 MTR SS316/316L TUBE (POLISHED 320 GRIT)	406	1170	23.35
197	TS-01-PO-IN-24X188	1 1/2"OD x 0.188" THK x 6 MTR SS316/316L TUBE (POLISHED 320 GRIT)	415	1196	23.80
198	TS-01-PO-MM-6X1.0	6MM OD x 1.0MM THK x 6 MTR SS316/316L TUBE (POLISHED 320 GRIT)	552	1590	0.75

**Note: Working Pressure Calculation: DIN 2413 I Static Straight Pipe including manufacturing tolerance.**



**Seamless Stainless Steel Tube ASTM A269/A213 TP316/316L Polished Grit 320 Working Pressure Table**

No.	Part No	Description	Working Pressure (Bar)	Burst Pressure (Bar)	Weight /6MTR (Kg)
199	TS-01-PO-MM-8X1.0	8MM OD x 1.0MM THK x 6 MTR SS316/316L TUBE (POLISHED 320 GRIT)	414	1193	1.05
200	TS-01-PO-MM-10X1.0	10MM OD x 1.0MM THK x 6 MTR SS316/316L TUBE (POLISHED 320 GRIT)	331	954	1.35
201	TS-01-PO-MM-10X1.5	10MM OD x 1.5MM THK x 6 MTR SS316/316L TUBE (POLISHED 320 GRIT)	497	1431	1.91
202	TS-01-PO-MM-10X2.0	10MM OD x 2.0MM THK x 6 MTR SS316/316L TUBE (POLISHED 320 GRIT)	662	1908	2.39
203	TS-01-PO-MM-12X1.0	12MM OD x 1.0MM THK x 6 MTR SS316/316L TUBE (POLISHED 320 GRIT)	276	795	1.64
204	TS-01-PO-MM-12X1.5	12MM OD x 1.5MM THK x 6 MTR SS316/316L TUBE (POLISHED 320 GRIT)	414	1193	2.35
205	TS-01-PO-MM-12X2.0	12MM OD x 2.0MM THK x 6 MTR SS316/316L TUBE (POLISHED 320 GRIT)	552	1590	2.99
206	TS-01-PO-MM-14X1.5	14MM OD x 1.5MM THK x 6 MTR SS316/316L TUBE (POLISHED 320 GRIT)	355	1022	2.80
207	TS-01-PO-MM-14X2.0	14MM OD x 2.0MM THK x 6 MTR SS316/316L TUBE (POLISHED 320 GRIT)	473	1363	3.59
208	TS-01-PO-MM-14X2.5	14MM OD x 2.5MM THK x 6 MTR SS316/316L TUBE (POLISHED 320 GRIT)	591	1704	4.30
209	TS-01-PO-MM-15X1.5	15MM OD x 1.5MM THK x 6 MTR SS316/316L TUBE (POLISHED 320 GRIT)	331	954	3.03
210	TS-01-PO-MM-15X2.0	15MM OD x 2.0MM THK x 6 MTR SS316/316L TUBE (POLISHED 320 GRIT)	442	1272	3.89
211	TS-01-PO-MM-15X3.0	15MM OD x 3.0MM THK x 6 MTR SS316/316L TUBE (POLISHED 320 GRIT)	662	1908	5.38
212	TS-01-PO-MM-16X1.5	16MM OD x 1.5MM THK x 6 MTR SS316/316L TUBE (POLISHED 320 GRIT)	311	894	3.25
213	TS-01-PO-MM-16X2.0	16MM OD x 2.0MM THK x 6 MTR SS316/316L TUBE (POLISHED 320 GRIT)	414	1193	4.18
214	TS-01-PO-MM-18X1.5	18MM OD x 1.5MM THK x 6 MTR SS316/316L TUBE (POLISHED 320 GRIT)	276	795	3.70
215	TS-01-PO-MM-18X2.0	18MM OD x 2.0MM THK x 6 MTR SS316/316L TUBE (POLISHED 320 GRIT)	368	1060	4.78
216	TS-01-PO-MM-20X1.5	20MM OD x 1.5MM THK x 6 MTR SS316/316L TUBE (POLISHED 320 GRIT)	248	716	4.15
217	TS-01-PO-MM-20X2.0	20MM OD x 2.0MM THK x 6 MTR SS316/316L TUBE (POLISHED 320 GRIT)	331	954	5.38
218	TS-01-PO-MM-20X2.5	20MM OD x 2.5MM THK x 6 MTR SS316/316L TUBE (POLISHED 320 GRIT)	414	1193	6.54
219	TS-01-PO-MM-20X3.0	20MM OD x 3.0MM THK x 6 MTR SS316/316L TUBE (POLISHED 320 GRIT)	497	1431	7.62
220	TS-01-PO-MM-22X1.5	22MM OD x 1.5MM THK x 6 MTR SS316/316L TUBE (POLISHED 320 GRIT)	226	650	4.60
221	TS-01-PO-MM-22X2.0	22MM OD x 2.0MM THK x 6 MTR SS316/316L TUBE (POLISHED 320 GRIT)	301	867	5.98
222	TS-01-PO-MM-22X2.5	22MM OD x 2.5MM THK x 6 MTR SS316/316L TUBE (POLISHED 320 GRIT)	376	1084	7.29

**Note: Working Pressure Calculation: DIN 2413 I Static Straight Pipe including manufacturing tolerance.**



**Seamless Stainless Steel Tube ASTM A269/A213 TP316/316L Polished Grit 320 Working Pressure Table**

No.	Part No	Description	Working Pressure (Bar)	Burst Pressure (Bar)	Weight /6 MTR (Kg)
223	TS-01-PO-MM-25X1.5	25MM OD x 1.5MM THK x 6 MTR SS316/316L TUBE (POLISHED 320 GRIT)	199	572	5.27
224	TS-01-PO-MM-25X2.0	25MM OD x 2.0MM THK x 6 MTR SS316/316L TUBE (POLISHED 320 GRIT)	265	763	6.88
225	TS-01-PO-MM-25X2.5	25MM OD x 2.5MM THK x 6 MTR SS316/316L TUBE (POLISHED 320 GRIT)	331	954	8.41
226	TS-01-PO-MM-25X3.0	25MM OD x 3.0MM THK x 6 MTR SS316/316L TUBE (POLISHED 320 GRIT)	397	1145	9.86
227	TS-01-PO-MM-28X2.0	28MM OD x 2.0MM THK x 6 MTR SS316/316L TUBE (POLISHED 320 GRIT)	237	681	7.77
228	TS-01-PO-MM-28X2.5	28MM OD x 2.5MM THK x 6 MTR SS316/316L TUBE (POLISHED 320 GRIT)	296	852	9.53
229	TS-01-PO-MM-28X3.0	28MM OD x 3.0MM THK x 6 MTR SS316/316L TUBE (POLISHED 320 GRIT)	355	1022	11.21
230	TS-01-PO-MM-30X2.0	30MM OD x 2.0MM THK x 6 MTR SS316/316L TUBE (POLISHED 320 GRIT)	221	636	8.37
231	TS-01-PO-MM-30X3.0	30MM OD x 3.0MM THK x 6 MTR SS316/316L TUBE (POLISHED 320 GRIT)	331	954	12.11
232	TS-01-PO-MM-35X2.0	35MM OD x 2.0MM THK x 6 MTR SS316/316L TUBE (POLISHED 320 GRIT)	189	545	9.86
233	TS-01-PO-MM-35X3.0	35MM OD x 3.0MM THK x 6 MTR SS316/316L TUBE (POLISHED 320 GRIT)	284	818	14.35
234	TS-01-PO-MM-38X3.0	38MM OD x 3.0MM THK x 6 MTR SS316/316L TUBE (POLISHED 320 GRIT)	261	753	15.69
235	TS-01-PO-MM-42X3.0	42MM OD x 3.0MM THK x 6 MTR SS316/316L TUBE (POLISHED 320 GRIT)	237	681	17.49

**Note: Working Pressure Calculation: DIN 2413 I Static Straight Pipe including manufacturing tolerance.**

**Seamless Stainless Steel Tube ASTM A269/A213 TP316/316L MO>2.5% Polished Grit 320  
Working Pressure Table**

No.	Part No	Description	Working Pressure (Bar)	Burst Pressure (Bar)	Weight /6 MTR (Kg)
236	TS-02-PO-IN-06X035	3/8"OD x 0.035" THK x 6 MTR SS316/316L MO>2.5% TUBE (POLISHED 320 GRIT)	309	890	1.15
237	TS-02-PO-IN-06X049	3/8"OD x 0.049" THK x 6 MTR SS316/316L MO>2.5% TUBE (POLISHED 320 GRIT)	431	1247	1.54
238	TS-02-PO-IN-08X049	1/2"OD x 0.049" THK x 6 MTR SS316/316L MO>2.5% TUBE (POLISHED 320 GRIT)	323	935	2.10
239	TS-02-PO-IN-08X065	1/2"OD x 0.065" THK x 6 MTR SS316/316L MO>2.5% TUBE (POLISHED 320 GRIT)	431	1240	2.70
240	TS-02-PO-IN-08X083	1/2"OD x 0.083" THK x 6 MTR SS316/316L MO>2.5% TUBE (POLISHED 320 GRIT)	550	1585	3.34
241	TS-02-PO-IN-10X065	5/8"OD x 0.065" THK x 6 MTR SS316/316L MO>2.5% TUBE (POLISHED 320 GRIT)	335	992	3.50
242	TS-02-PO-IN-12X065	3/4"OD x 0.065" THK x 6 MTR SS316/316L MO>2.5% TUBE (POLISHED 320 GRIT)	287	827	4.20
243	TS-02-PO-IN-12X109	3/4"OD x 0.109" THK x 6 MTR SS316/316L MO>2.5% TUBE (POLISHED 320 GRIT)	482	1386	6.70

**Note: Working Pressure Calculation: DIN 2413 I Static Straight Pipe including manufacturing tolerance.**

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