RFS HYDRAULICS
CREATING OPPORTUNITIES

WALFORM TUBES

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Walform Tubes

Features

- Reshaping of hydraulic steel & stainless steel tubes
- Tube outer diameters from 6 to 42mm
- Wall thickness from 1.5 to 5.0mm
- Meets fitting DIN 2353 standard requirement
- Low torque and equal standard
- Leak-free connections
- Viton walform seal with secondary metallic seal

Dimension Specifications

DIN 2391/C (DIN EN 10305-4) – Steel tubes for precision applications - Technical delivery conditions - Part 4: Seamless cold drawn tubes for hydraulic and pneumatic power systems

DIN 2445/2 – Seamless steel tubes for dynamic loads - Part 2: Steel tubes for precision application in fluid systems, 100 bar to 500 bar

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

Chemical Composition

Hydraulic Steel Grade	Chemical Composition (%)				
	C Max.	Si Max.	Mn Max.	P Max.	S Max.
ST 37.4 (E235N)	0.170	0.350	1.20	0.025	0.015
ST 52.4 (E355N)	0.220	0.550	1.60	0.025	0.015

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

Benefits of Walform Tubes

- Eliminates leak path and does not allow tube pull-out easily.
- Redundant sealing for overall system performance improvement.
- Fewer components reduce material and labour cost.
- Large volume of high quality installation assemblies can be produces efficiently and consistently.
- Easy, simple, practical and safe assembly process that can be carried out by less skillsets.
- Unmistakable pressure point clearly indicates the end of the assembly travel; it makes excessive or insufficient tightening virtually impossible as the standard is consistently controlled by the machine assembly.
- Cost saving in term of manpower and material expenses.

Ordering Information

TH	-	37	-	NBK	-	1	-	06	-	1.0
I		II		III		IV		V		VI

I **Type of Item**

TH	Hydraulic Steel Tubes
TS	Stainless Steel Tubes

II **Material Grade**

37	ST 37.4 (E235N)
52	ST 52.4 (E355N)
2.0	SS316/SS316L MO 2.0
2.5	SS316/SS316L MO 2.5

III **Item Finish**

NBK	Normalized
AP	Annealed & Pickled
PO	Polished Grit 320

IV **Walform Head**

1	One Tube End
2	Both Tube End
3	One Tube End with Union Nut
4	Both Tube End with Union Nut

V **Tube OD Sizes**

For Metric OD Sizes

Size	6MM	12MM	20MM	……	35MM	38MM	42MM
Code	6	12	20		35	38	42

VI **Tube Thickness Sizes**

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

Walform Hydraulic Tubes (ST 37.4 NBK) Working Pressure Table

No.	Part No	Description	Working Pressure (Bar)	Burst Pressure (Bar)	Weight/ 1 MTR (Kg)
1	TH-37-NBK-1-06-1.5	6MM OD x 1.5MM THK x 1 MTR HYDRAULIC TUBE ST37.4	707	1755	0.17
2	TH-37-NBK-1-08-1.5	8MM OD x 1.5MM THK x 1 MTR HYDRAULIC TUBE ST37.4	530	1316	0.24
3	TH-37-NBK-1-08-2.0	8MM OD x 2.0MM THK x 1 MTR HYDRAULIC TUBE ST37.4	707	1755	0.30
4	TH-37-NBK-1-10-1.5	10MM OD x 1.5MM THK x 1 MTR HYDRAULIC TUBE ST37.4	424	1053	0.32
5	TH-37-NBK-1-10-2.0	10MM OD x 2.0MM THK x 1 MTR HYDRAULIC TUBE ST37.4	565	1404	0.40
6	TH-37-NBK-1-12-1.5	12MM OD x 1.5MM THK x 1 MTR HYDRAULIC TUBE ST37.4	353	878	0.39
7	TH-37-NBK-1-12-2.0	12MM OD x 2.0MM THK x 1 MTR HYDRAULIC TUBE ST37.4	471	1170	0.49
8	TH-37-NBK-1-12-2.5	12MM OD x 2.5MM THK x 1 MTR HYDRAULIC TUBE ST37.4	589	1463	0.59
9	TH-37-NBK-1-15-1.5	15MM OD x 1.5MM THK x 1 MTR HYDRAULIC TUBE ST37.4	283	702	0.50
10	TH-37-NBK-1-15-2.0	15MM OD x 2.0MM THK x 1 MTR HYDRAULIC TUBE ST37.4	377	936	0.64
11	TH-37-NBK-1-15-2.5	15MM OD x 2.5MM THK x 1 MTR HYDRAULIC TUBE ST37.4	471	1170	0.77
12	TH-37-NBK-1-16-2.0	16MM OD x 2.0MM THK x 1 MTR HYDRAULIC TUBE ST37.4	353	878	0.69
13	TH-37-NBK-1-16-2.5	16MM OD x 2.5MM THK x 1 MTR HYDRAULIC TUBE ST37.4	442	1097	0.84
14	TH-37-NBK-1-16-3.0	16MM OD x 3.0MM THK x 1 MTR HYDRAULIC TUBE ST37.4	530	1316	0.96
15	TH-37-NBK-1-18-2.0	18MM OD x 2.0MM THK x 1 MTR HYDRAULIC TUBE ST37.4	314	780	0.79
16	TH-37-NBK-1-18-3.0	18MM OD x 3.0MM THK x 1 MTR HYDRAULIC TUBE ST37.4	471	1170	1.11
17	TH-37-NBK-1-20-2.0	20MM OD x 2.0MM THK x 1 MTR HYDRAULIC TUBE ST37.4	283	702	0.89
18	TH-37-NBK-1-20-2.5	20MM OD x 2.5MM THK x 1 MTR HYDRAULIC TUBE ST37.4	353	878	1.08
19	TH-37-NBK-1-20-3.0	20MM OD x 3.0MM THK x 1 MTR HYDRAULIC TUBE ST37.4	424	1053	1.26
20	TH-37-NBK-1-20-4.0	20MM OD x 4.0MM THK x 1 MTR HYDRAULIC TUBE ST37.4	565	1404	1.58
21	TH-37-NBK-1-22-2.0	22MM OD x 2.0MM THK x 1 MTR HYDRAULIC TUBE ST37.4	257	638	0.99
22	TH-37-NBK-1-22-2.5	22MM OD x 2.5MM THK x 1 MTR HYDRAULIC TUBE ST37.4	321	798	1.20
23	TH-37-NBK-1-25-2.0	25MM OD x 2.0MM THK x 1 MTR HYDRAULIC TUBE ST37.4	226	562	1.14
24	TH-37-NBK-1-25-2.5	25MM OD x 2.5MM THK x 1 MTR HYDRAULIC TUBE ST37.4	283	702	1.39
25	TH-37-NBK-1-25-3.0	25MM OD x 3.0MM THK x 1 MTR HYDRAULIC TUBE ST37.4	339	842	1.63
26	TH-37-NBK-1-25-4.0	25MM OD x 4.0MM THK x 1 MTR HYDRAULIC TUBE ST37.4	452	1123	2.07
27	TH-37-NBK-1-25-5.0	25MM OD x 5.0MM THK x 1 MTR HYDRAULIC TUBE ST37.4	565	1404	2.47
28	TH-37-NBK-1-28-2.0	28MM OD x 2.0MM THK x 1 MTR HYDRAULIC TUBE ST37.4	202	501	1.28
29	TH-37-NBK-1-28-2.5	28MM OD x 2.5MM THK x 1 MTR HYDRAULIC TUBE ST37.4	252	627	1.57
30	TH-37-NBK-1-28-3.0	28MM OD x 3.0MM THK x 1 MTR HYDRAULIC TUBE ST37.4	303	752	1.85
31	TH-37-NBK-1-30-3.0	30MM OD x 3.0MM THK x 1 MTR HYDRAULIC TUBE ST37.4	283	702	2.00
32	TH-37-NBK-1-30-4.0	30MM OD x 4.0MM THK x 1 MTR HYDRAULIC TUBE ST37.4	377	936	2.57
33	TH-37-NBK-1-35-3.0	35MM OD x 3.0MM THK x 1 MTR HYDRAULIC TUBE ST37.4	242	602	2.37
34	TH-37-NBK-1-35-4.0	35MM OD x 4.0MM THK x 1 MTR HYDRAULIC TUBE ST37.4	323	802	3.06
35	TH-37-NBK-1-38-3.0	38MM OD x 3.0MM THK x 1 MTR HYDRAULIC TUBE ST37.4	223	554	2.59
36	TH-37-NBK-1-38-4.0	38MM OD x 4.0MM THK x 1 MTR HYDRAULIC TUBE ST37.4	297	739	3.35
37	TH-37-NBK-1-38-5.0	38MM OD x 5.0MM THK x 1 MTR HYDRAULIC TUBE ST37.4	372	924	4.07
38	TH-37-NBK-1-42-4.0	42MM OD x 4.0MM THK x 1 MTR HYDRAULIC TUBE ST37.4	269	669	3.75

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

Walform Hydraulic Tubes (ST 52.4 NBK) Working Pressure Table

No.	Part No	Description	Working Pressure (Bar)	Burst Pressure (Bar)	Weight/ 1 MTR (Kg)
1	TH-52-NBK-1-10-2.0	10MM OD x 2.0MM THK x 1 MTR HYDRAULIC TUBE ST52.4	799	1919	0.40
2	TH-52-NBK-1-12-2.0	12MM OD x 2.0MM THK x 1 MTR HYDRAULIC TUBE ST52.4	666	1599	0.49
3	TH-52-NBK-1-15-1.5	15MM OD x 1.5MM THK x 1 MTR HYDRAULIC TUBE ST52.4	400	959	0.50
4	TH-52-NBK-1-15-2.0	15MM OD x 2.0MM THK x 1 MTR HYDRAULIC TUBE ST52.4	533	1279	0.64
5	TH-52-NBK-1-15-2.5	15MM OD x 2.5MM THK x 1 MTR HYDRAULIC TUBE ST52.4	666	1599	0.77
6	TH-52-NBK-1-16-2.0	16MM OD x 2.0MM THK x 1 MTR HYDRAULIC TUBE ST52.4	500	1199	0.69
7	TH-52-NBK-1-16-3.0	16MM OD x 3.0MM THK x 1 MTR HYDRAULIC TUBE ST52.4	749	1799	0.97
8	TH-52-NBK-1-18-2.0	18MM OD x 2.0MM THK x 1 MTR HYDRAULIC TUBE ST52.4	444	1066	0.79
9	TH-52-NBK-1-20-2.0	20MM OD x 2.0MM THK x 1 MTR HYDRAULIC TUBE ST52.4	400	959	0.89
10	TH-52-NBK-1-20-2.5	20MM OD x 2.5MM THK x 1 MTR HYDRAULIC TUBE ST52.4	500	1199	1.08
11	TH-52-NBK-1-20-3.0	20MM OD x 3.0MM THK x 1 MTR HYDRAULIC TUBE ST52.4	599	1439	1.26
12	TH-52-NBK-1-22-2.0	22MM OD x 2.0MM THK x 1 MTR HYDRAULIC TUBE ST52.4	363	872	0.99
13	TH-52-NBK-1-25-2.0	25MM OD x 2.0MM THK x 1 MTR HYDRAULIC TUBE ST52.4	320	768	1.14
14	TH-52-NBK-1-25-2.5	25MM OD x 2.5MM THK x 1 MTR HYDRAULIC TUBE ST52.4	400	959	1.39
15	TH-52-NBK-1-25-3.0	25MM OD x 3.0MM THK x 1 MTR HYDRAULIC TUBE ST52.4	480	1151	1.63
16	TH-52-NBK-1-25-4.0	25MM OD x 4.0MM THK x 1 MTR HYDRAULIC TUBE ST52.4	639	1535	2.07
17	TH-52-NBK-1-25-5.0	25MM OD x 5.0MM THK x 1 MTR HYDRAULIC TUBE ST52.4	799	1919	2.47
18	TH-52-NBK-1-28-2.0	28MM OD x 2.0MM THK x 1 MTR HYDRAULIC TUBE ST52.4	285	685	1.29
19	TH-52-NBK-1-28-3.0	28MM OD x 3.0MM THK x 1 MTR HYDRAULIC TUBE ST52.4	428	1028	1.85
20	TH-52-NBK-1-30-3.0	30MM OD x 3.0MM THK x 1 MTR HYDRAULIC TUBE ST52.4	400	959	2.00
21	TH-52-NBK-1-30-4.0	30MM OD x 4.0MM THK x 1 MTR HYDRAULIC TUBE ST52.4	533	1279	2.57
22	TH-52-NBK-1-35-3.0	35MM OD x 3.0MM THK x 1 MTR HYDRAULIC TUBE ST52.4	343	822	2.37
23	TH-52-NBK-1-35-4.0	35MM OD x 4.0MM THK x 1 MTR HYDRAULIC TUBE ST52.4	457	1096	3.06
24	TH-52-NBK-1-38-3.0	38MM OD x 3.0MM THK x 1 MTR HYDRAULIC TUBE ST52.4	315	757	2.59
25	TH-52-NBK-1-38-4.0	38MM OD x 4.0MM THK x 1 MTR HYDRAULIC TUBE ST52.4	421	1010	3.35
26	TH-52-NBK-1-38-5.0	38MM OD x 5.0MM THK x 1 MTR HYDRAULIC TUBE ST52.4	526	1262	4.07
27	TH-52-NBK-1-42-4.0	42MM OD x 4.0MM THK x 1 MTR HYDRAULIC TUBE ST52.4	381	914	3.75

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

Walform Stainless Steel Tubes ASTM A269/A213 TP316/316L Working Pressure Table

No.	Part No	Description	Working Pressure (Bar)	Burst Pressure (Bar)	Weight/ 1 MTR (Kg)
1	TS-2.0-AP-1-06-1.5	6MM OD x 1.5MM THK x 1 MTR SS316/316L TUBE (ANNEALED & PICKLED)	828	2385	0.17
2	TS-2.0-AP-1-08-1.5	8MM OD x 1.5MM THK x 1 MTR SS316/316L TUBE (ANNEALED & PICKLED)	621	1789	0.25
3	TS-2.0-AP-1-10-1.5	10MM OD x 1.5MM THK x 1 MTR SS316/316L TUBE (ANNEALED & PICKLED)	497	1431	0.32
4	TS-2.0-AP-1-10-2.0	10MM OD x 2.0MM THK x 1 MTR SS316/316L TUBE (ANNEALED & PICKLED)	662	1908	0.40
5	TS-2.0-AP-1-12-1.5	12MM OD x 1.5MM THK x 1 MTR SS316/316L TUBE (ANNEALED & PICKLED)	414	1193	0.39
6	TS-2.0-AP-1-12-2.0	12MM OD x 2.0MM THK x 1 MTR SS316/316L TUBE (ANNEALED & PICKLED)	552	1590	0.50
7	TS-2.0-AP-1-15-1.5	15MM OD x 1.5MM THK x 1 MTR SS316/316L TUBE (ANNEALED & PICKLED)	331	954	0.51
8	TS-2.0-AP-1-15-2.0	15MM OD x 2.0MM THK x 1 MTR SS316/316L TUBE (ANNEALED & PICKLED)	442	1272	0.65
9	TS-2.0-AP-1-16-2.0	16MM OD x 2.0MM THK x 1 MTR SS316/316L TUBE (ANNEALED & PICKLED)	414	1193	0.70
10	TS-2.0-AP-1-16-2.5	16MM OD x 2.5MM THK x 1 MTR SS316/316L TUBE (ANNEALED & PICKLED)	518	1491	0.84
11	TS-2.0-AP-1-16-3.0	16MM OD x 3.0MM THK x 1 MTR SS316/316L TUBE (ANNEALED & PICKLED)	621	1789	0.98
12	TS-2.0-AP-1-18-2.0	18MM OD x 2.0MM THK x 1 MTR SS316/316L TUBE (ANNEALED & PICKLED)	368	1060	0.80
13	TS-2.0-AP-1-18-3.0	18MM OD x 3.0MM THK x 1 MTR SS316/316L TUBE (ANNEALED & PICKLED)	552	1590	1.12
14	TS-2.0-AP-1-20-2.0	20MM OD x 2.0MM THK x 1 MTR SS316/316L TUBE (ANNEALED & PICKLED)	331	954	0.90
15	TS-2.0-AP-1-20-2.5	20MM OD x 2.5MM THK x 1 MTR SS316/316L TUBE (ANNEALED & PICKLED)	414	1193	1.09
16	TS-2.0-AP-1-20-3.0	20MM OD x 3.0MM THK x 1 MTR SS316/316L TUBE (ANNEALED & PICKLED)	497	1431	1.27
17	TS-2.0-AP-1-22-2.0	22MM OD x 2.0MM THK x 1 MTR SS316/316L TUBE (ANNEALED & PICKLED)	301	867	1.00
18	TS-2.0-AP-1-22-2.5	22MM OD x 2.5MM THK x 1 MTR SS316/316L TUBE (ANNEALED & PICKLED)	376	1084	1.22
19	TS-2.0-AP-1-25-2.5	25MM OD x 2.5MM THK x 1 MTR SS316/316L TUBE (ANNEALED & PICKLED)	331	954	1.40
20	TS-2.0-AP-1-25-3.0	25MM OD x 3.0MM THK x 1 MTR SS316/316L TUBE (ANNEALED & PICKLED)	397	1145	1.65
21	TS-2.0-AP-1-25-4.0	25MM OD x 4.0MM THK x 1 MTR SS316/316L TUBE (ANNEALED & PICKLED)	530	1526	2.10
22	TS-2.0-AP-1-28-2.0	28MM OD x 2.0MM THK x 1 MTR SS316/316L TUBE (ANNEALED & PICKLED)	237	681	1.30
23	TS-2.0-AP-1-28-2.5	28MM OD x 2.5MM THK x 1 MTR SS316/316L TUBE (ANNEALED & PICKLED)	296	852	1.59
24	TS-2.0-AP-1-28-3.0	28MM OD x 3.0MM THK x 1 MTR SS316/316L TUBE (ANNEALED & PICKLED)	355	1022	1.87

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

Walform Stainless Steel Tubes ASTM A269/A213 TP316/316L Working Pressure Table

No.	Part No	Description	Working Pressure (Bar)	Burst Pressure (Bar)	Weight/ 1 MTR (Kg)
25	TS-2.0-AP-1-30-3.0	30MM OD x 3.0MM THK x 1 MTR SS316/316L TUBE (ANNEALED & PICKLED)	331	954	2.02
26	TS-2.0-AP-1-30-4.0	30MM OD x 4.0MM THK x 1 MTR SS316/316L TUBE (ANNEALED & PICKLED)	442	1272	2.59
27	TS-2.0-AP-1-35-3.0	35MM OD x 3.0MM THK x 1 MTR SS316/316L TUBE (ANNEALED & PICKLED)	284	818	2.39
28	TS-2.0-AP-1-35-4.0	35MM OD x 4.0MM THK x 1 MTR SS316/316L TUBE (ANNEALED & PICKLED)	379	1090	3.09
29	TS-2.0-AP-1-38-3.0	38MM OD x 3.0MM THK x 1 MTR SS316/316L TUBE (ANNEALED & PICKLED)	261	753	2.62
30	TS-2.0-AP-1-38-4.0	38MM OD x 4.0MM THK x 1 MTR SS316/316L TUBE (ANNEALED & PICKLED)	349	1004	3.39
31	TS-2.0-AP-1-38-5.0	38MM OD x 5.0MM THK x 1 MTR SS316/316L TUBE (ANNEALED & PICKLED)	436	1255	4.11
32	TS-2.0-AP-1-42-3.0	42MM OD x 3.0MM THK x 1 MTR SS316/316L TUBE (ANNEALED & PICKLED)	237	681	2.92
33	TS-2.0-PO-1-10-1.5	10MM OD x 1.5MM THK x 1 MTR SS316/316L TUBE (POLISHED 320 GRIT)	497	1431	0.32
34	TS-2.0-PO-1-10-2.0	10MM OD x 2.0MM THK x 1 MTR SS316/316L TUBE (POLISHED 320 GRIT)	662	1908	0.40
35	TS-2.0-PO-1-12-1.5	12MM OD x 1.5MM THK x 1 MTR SS316/316L TUBE (POLISHED 320 GRIT)	414	1193	0.39
36	TS-2.0-PO-1-12-2.0	12MM OD x 2.0MM THK x 1 MTR SS316/316L TUBE (POLISHED 320 GRIT)	552	1590	0.50
37	TS-2.0-PO-1-15-1.5	15MM OD x 1.5MM THK x 1 MTR SS316/316L TUBE (POLISHED 320 GRIT)	331	954	0.51
38	TS-2.0-PO-1-15-2.0	15MM OD x 2.0MM THK x 1 MTR SS316/316L TUBE (POLISHED 320 GRIT)	442	1272	0.65
39	TS-2.0-PO-1-16-2.0	16MM OD x 2.0MM THK x 1 MTR SS316/316L TUBE (POLISHED 320 GRIT)	414	1193	0.70
40	TS-2.0-PO-1-18-2.0	18MM OD x 2.0MM THK x 1 MTR SS316/316L TUBE (POLISHED 320 GRIT)	368	1060	0.80
41	TS-2.0-PO-1-20-2.0	20MM OD x 2.0MM THK x 1 MTR SS316/316L TUBE (POLISHED 320 GRIT)	331	954	0.90
42	TS-2.0-PO-1-20-2.5	20MM OD x 2.5MM THK x 1 MTR SS316/316L TUBE (POLISHED 320 GRIT)	414	1193	1.09
43	TS-2.0-PO-1-20-3.0	20MM OD x 3.0MM THK x 1 MTR SS316/316L TUBE (POLISHED 320 GRIT)	497	1431	1.27
44	TS-2.0-PO-1-22-2.0	22MM OD x 2.0MM THK x 1 MTR SS316/316L TUBE (POLISHED 320 GRIT)	301	867	1.00
45	TS-2.0-PO-1-22-2.5	22MM OD x 2.5MM THK x 1 MTR SS316/316L TUBE (POLISHED 320 GRIT)	376	1084	1.22
46	TS-2.0-PO-1-25-2.5	25MM OD x 2.5MM THK x 1 MTR SS316/316L TUBE (POLISHED 320 GRIT)	331	954	1.40
47	TS-2.0-PO-1-25-3.0	25MM OD x 3.0MM THK x 1 MTR SS316/316L TUBE (POLISHED 320 GRIT)	397	1145	1.65
48	TS-2.0-PO-1-28-2.0	28MM OD x 2.0MM THK x 1 MTR SS316/316L TUBE (POLISHED 320 GRIT)	237	681	1.30

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

Walform Stainless Steel Tubes ASTM A269/A213 TP316/316L Working Pressure Table

No.	Part No	Description	Working Pressure (Bar)	Burst Pressure (Bar)	Weight/ 1 MTR (Kg)
49	TS-2.0-PO-1-28-2.5	28MM OD x 2.5MM THK x 1 MTR SS316/316L TUBE (POLISHED 320 GRIT)	296	852	1.59
50	TS-2.0-PO-1-28-3.0	28MM OD x 3.0MM THK x 1 MTR SS316/316L TUBE (POLISHED 320 GRIT)	355	1022	1.87
51	TS-2.0-PO-1-30-3.0	30MM OD x 3.0MM THK x 1 MTR SS316/316L TUBE (POLISHED 320 GRIT)	331	954	2.02
52	TS-2.0-PO-1-35-3.0	35MM OD x 3.0MM THK x 1 MTR SS316/316L TUBE (POLISHED 320 GRIT)	284	818	2.39
53	TS-2.0-PO-1-38-3.0	38MM OD x 3.0MM THK x 1 MTR SS316/316L TUBE (POLISHED 320 GRIT)	261	753	2.62
54	TS-2.0-PO-1-42-3.0	42MM OD x 3.0MM THK x 1 MTR SS316/316L TUBE (POLISHED 320 GRIT)	237	681	2.92
55	TS-2.5-AP-1-06-1.5	6MM OD x 1.5MM THK x 1 MTR SS316/316L MO>2.5% TUBE (ANNEALED & PICKLED)	828	2385	0.17
56	TS-2.5-AP-1-08-1.5	8MM OD x 1.5MM THK x 1 MTR SS316/316L MO>2.5% TUBE (ANNEALED & PICKLED)	621	1789	0.25
57	TS-2.5-AP-1-10-1.5	10MM OD x 1.5MM THK x 1 MTR SS316/316L MO>2.5% TUBE (ANNEALED & PICKLED)	497	1431	0.32
58	TS-2.5-AP-1-10-2.0	10MM OD x 2.0MM THK x 1 MTR SS316/316L MO>2.5% TUBE (ANNEALED & PICKLED)	662	1908	0.40
59	TS-2.5-AP-1-12-1.5	12MM OD x 1.5MM THK x 1 MTR SS316/316L MO>2.5% TUBE (ANNEALED & PICKLED)	414	1193	0.39
60	TS-2.5-AP-1-12-2.0	12MM OD x 2.0MM THK x 1 MTR SS316/316L MO>2.5% TUBE (ANNEALED & PICKLED)	552	1590	0.50
61	TS-2.5-AP-1-15-1.5	15MM OD x 1.5MM THK x 1 MTR SS316/316L MO>2.5% TUBE (ANNEALED & PICKLED)	331	954	0.51
62	TS-2.5-AP-1-15-2.0	15MM OD x 2.0MM THK x 1 MTR SS316/316L MO>2.5% TUBE (ANNEALED & PICKLED)	442	1272	0.65
63	TS-2.5-AP-1-16-2.0	16MM OD x 2.0MM THK x 1 MTR SS316/316L MO>2.5% TUBE (ANNEALED & PICKLED)	414	1193	0.70
64	TS-2.5-AP-1-16-3.0	16MM OD x 3.0MM THK x 1 MTR SS316/316L MO>2.5% TUBE (ANNEALED & PICKLED)	621	1789	0.98
65	TS-2.5-AP-1-18-2.0	18MM OD x 2.0MM THK x 1 MTR SS316/316L MO>2.5% TUBE (ANNEALED & PICKLED)	368	1060	0.80
66	TS-2.5-AP-1-18-3.0	18MM OD x 3.0MM THK x 1 MTR SS316/316L MO>2.5% TUBE (ANNEALED & PICKLED)	552	1590	1.12
67	TS-2.5-AP-1-20-2.0	20MM OD x 2.0MM THK x 1 MTR SS316/316L MO>2.5% TUBE (ANNEALED & PICKLED)	331	954	0.90
68	TS-2.5-AP-1-20-2.5	20MM OD x 2.5MM THK x 1 MTR SS316/316L MO>2.5% TUBE (ANNEALED & PICKLED)	414	1193	1.09
69	TS-2.5-AP-1-22-2.0	22MM OD x 2.0MM THK x 1 MTR SS316/316L MO>2.5% TUBE (ANNEALED & PICKLED)	301	867	1.00
70	TS-2.5-AP-1-25-2.5	25MM OD x 2.5MM THK x 1 MTR SS316/316L MO>2.5% TUBE (ANNEALED & PICKLED)	331	954	1.40

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

Walform Stainless Steel Tubes ASTM A269/A213 TP316/316L Working Pressure Table

No.	Part No	Description	Working Pressure (Bar)	Burst Pressure (Bar)	Weight/ 1 MTR (Kg)
71	TS-2.5-AP-1-25-3.0	25MM OD x 3.0MM THK x 6 MTR SS316/316L MO>2.5% TUBE (ANNEALED & PICKLED)	397	1145	1.64
72	TS-2.5-AP-1-25-4.0	25MM OD x 4.0MM THK x 1 MTR SS316/316L MO>2.5% TUBE (ANNEALED & PICKLED)	530	1526	2.10
73	TS-2.5-AP-1-28-2.0	28MM OD x 2.0MM THK x 1 MTR SS316/316L MO>2.5% TUBE (ANNEALED & PICKLED)	237	681	1.30
74	TS-2.5-AP-1-28-2.5	28MM OD x 2.5MM THK x 1 MTR SS316/316L MO>2.5% TUBE (ANNEALED & PICKLED)	296	852	1.59
75	TS-2.5-AP-1-28-3.0	28MM OD x 3.0MM THK x 1 MTR SS316/316L MO>2.5% TUBE (ANNEALED & PICKLED)	355	1022	1.87
76	TS-2.5-AP-1-30-3.0	30MM OD x 3.0MM THK x 1 MTR SS316/316L MO>2.5% TUBE (ANNEALED & PICKLED)	331	954	2.02
77	TS-2.5-AP-1-30-4.0	30MM OD x 4.0MM THK x 1 MTR SS316/316L MO>2.5% TUBE (ANNEALED & PICKLED)	442	1272	2.59
78	TS-2.5-AP-1-35-3.0	35MM OD x 3.0MM THK x 1 MTR SS316/316L MO>2.5% TUBE (ANNEALED & PICKLED)	284	818	2.39
79	TS-2.5-AP-1-38-3.0	38MM OD x 3.0MM THK x 1 MTR SS316/316L MO>2.5% TUBE (ANNEALED & PICKLED)	261	753	2.62
80	TS-2.5-AP-1-38-4.0	38MM OD x 4.0MM THK x 1 MTR SS316/316L MO>2.5% TUBE (ANNEALED & PICKLED)	349	1004	3.39
81	TS-2.5-AP-1-38-5.0	38MM OD x 5.0MM THK x 1 MTR SS316/316L MO>2.5% TUBE (ANNEALED & PICKLED)	436	1255	4.11
82	TS-2.5-AP-1-42-3.0	42MM OD x 3.0MM THK x 1 MTR SS316/316L MO>2.5% TUBE (ANNEALED & PICKLED)	237	681	2.92

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

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