

Tubing Weights - Fractional

SSP Part Number	Tube O.D.	Wall Thickness	Per Foot (pounds)	Per Meter (kilograms)
RTT3160125X028	1/8"	0.028	0.03	0.04
RTT3160250X035	1/4"	0.035	0.081	0.121
RTT3160250X049		0.049	0.106	0.158
RTT3160250X065		0.065	0.13	0.19
RTT3160375X035	3/8"	0.035	0.128	0.190
RTT3160375X049		0.049	0.172	0.256
RTT3160375X065		0.065	0.217	0.323
RTT3160500X035	1/2"	0.035	0.176	0.262
RTT3160500X049		0.049	0.238	0.354
RTT3160500X065		0.065	0.304	0.452
RTT3160625X065	5/8"	0.065	0.40	0.60
RTT3160750X065	3/4"	0.065	0.48	0.71
RTT3160750X095		0.095	0.67	0.99
RTT3161000X083	1"	0.083	0.81	1.21
RTT3161000X109		.109	1.03	1.54

Tubing Weights - Metric

SSP Part Number	Tube O.D.	Wall Thickness	Per Foot (pounds)	Per Meter (kilograms)
RTT316M06XM1.0	6mm	1.0	0.084	0.125
RTT316M06XM1.5		1.5	0.114	0.169
RTT316M08XM1.0	8mm	1.0	0.118	0.175
RTT316M08XM1.5		1.5	0.164	0.244
RTT316M10XM1.0	10mm	1.0	0.151	0.225
RTT316M10XM1.5		1.5	0.214	0.319
RTT316M12XM1.0	12mm	1.0	0.185	0.275
RTT316M12XM1.5		1.5	0.265	0.394
RTT316M12XM2.0		2.0	0.330	0.491
RTT316M16XM1.5	16mm	1.5	0.36	0.54
RTT316M16XM2.0		2.0	0.46	0.68
RTT316M18XM1.5	18mm	1.5	0.41	0.61
RTT316M18XM2.0		2.0	0.53	0.79
RTT316M20XM2.0	20mm	2.0	0.60	0.89
RTT316M25XM1.5	25mm	1.5	0.76	1.13
RTT316M26XM2.0		2.0	0.93	1.38

MAWP - Fractional (psi)

Tube O.D Size (in)	Wall Thickness of Tube (in)		
	.035	.049	.065
1/4"	5100	7500	10300
3/8"	3300	4800	6550
1/2"	2450*	3500	4750

* Not recommended for light gas service

MAWP - Metric (bar)

Tube O.D Size (mm)	Wall Thickness of Tube (mm)		
	1.0	1.5	2.0
6	420	710	-
8	310	520	-
10	240	400	-
12	200	330	470

Please Contact SSP Factory for additional sizes.



Mechanical Properties

Grade	Yield Strength min.	Tensile Strength min.	Elongation min. %
	N/mm2 (Mpa)	N/mm2 (Mpa)	
SSP Tubes	170	485	35

Trained Installer + Instrument Fitting + Quality Tubing + Leak Free Installations

316/316L Seamless Stainless Steel

International Standards

AISI (USA)	UNS (USA)	B.S. (UK)	EN/DIN (Germany)	ANFOR NF (France)	UNI (Italy)	SS (Sweden)	JIS (Japan)	GB/PR (China)	KS (Korea)
316	S31600	316S31	1.4401	Z7 CND 17-11-02	X5CrNiMo 17 13	2347	SUS 316	0Cr17Ni 12Mo2	STS 316L
		316S33/ 316S31	1.4436	Z7 CND 18-12-03	X5CrNiMo17 13	2343			
316L	S31600	316S11/ 316S14	1.4404	Z3 CND 17-11-02/ Z3 CND 18-12-02	X5CrNiMo 17 12	2348	SUS 316L	00Cr17Ni14Mo2	STS 316L
		316S13/ 316S11	1.4435	Z3 CND 18-14-03	X2CrNiMo 17 13	2353			

Outside Diameter Tolerance

O.D.	Decimal Equivalent	SSP Tubes	
		Min	Max
1/4"	0.250	0.250	0.255
3/8"	0.375	0.375	0.380
1/2"	0.500	0.500	0.505

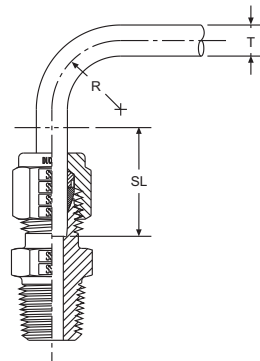
O.D.	Decimal Equivalent	SSP Tubes	
		Min	Max
6mm	0.236	0.232	0.240
8mm	0.315	0.311	0.319
10mm	0.394	0.390	0.398
12mm	0.472	0.468	0.476

Chemical Composition

Chemical Composition	SSP Tubes
C	0.035 max
Si	0.75 max
Mn	2.00 max
P	0.040 max
S	0.030 max
Ni	10.00-15.00
Cr	16.00-18.00
Mo	2.50 min

Bends Near Tube Fittings

T= Tube O.D. (in)	1/4"	3/8"	1/2"	
SL = Minimum Straight Length of Tube	13/16"	15/16"	1-3/16"	
R = Minimum Bend Radius	1/2"	3/4"	1"	
T= Tube O.D. (mm)	6	8	10	12
SL = Minimum Straight Length of Tube	21	22	25	29
R = Minimum Bend Radius	12	16	20	24



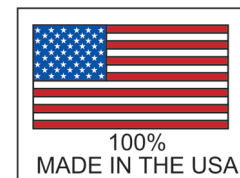
R Radius of tubing bend as required or minimum allowed for specified wall thickness and tube size recommended by bender manufacturer.

SL Straight tube length required from end of tube to beginning of bend.

T Tube outside diameter.



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SSPTFI316-001-09

INSTRUMENT FITTINGS QUALITY TUBING

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