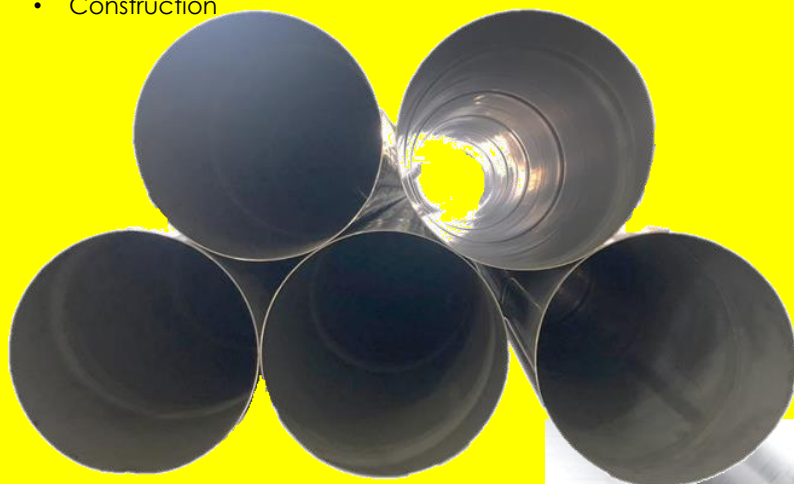


Spiral Tube

Spiral tube is a cost effective way of manufacturing large bore, thin walled tube. Spiral tube is extremely versatile, a variety of diameters can be manufactured from a single slit width of coil, by changing the helix angle. Versatile in it's application and manufactured in any lengths.

Applications of spiral tube:

- Non product related pumping in the following industries:
 - Food and beverage;
 - Pulp & paper
 - Sugar
 - Sewerage
 - Water treatment
- Architectural
- Structural
- Construction



SIZE OD mm	PRESSURE RATING* (ASME 631.3, 1996) 304L/316L		
	MPa 1.5mm (wt)	MPa 2.0mm (wt)	MPa 3.0mm (wt)
76.2	2.11	2.81	
79.0	2.03	2.71	
84.0	1.91	2.55	
88.9	1.81	2.41	
101.6	1.58	2.11	
104.0	1.54	2.06	
114.3	1.4	1.87	
129.0	1.24	1.66	
154.0	1.04	1.39	
168.3	0.95	1.27	
204.0	0.79	1.05	1.57
219.6	0.73	0.97	1.46
254.0	0.63	0.84	1.26
273.0	0.59	0.78	1.18
304.0	0.53	0.7	1.06
323.0	0.49	0.66	0.99
354.0	0.45	0.6	0.91
406.0	0.4	0.53	0.79
457.0		0.47	0.71
508.0			0.63

SIZE OD mm	MASS (kg/m)		
	1.5mm (wt)	2.0mm (wt)	3.0mm (wt)
76.2	2.8	3.8	
79	3	3.9	
84	3.1	4.2	
88.9	3.3	4.4	
101.6	3.8	5.1	
104	3.9	5.2	
114.3	4.3	5.7	
129	4.9	6.4	
154	5.8	7.7	
168.3	6.3	8.4	
204	7.7	10.2	15.3
219.6	8.3	11	16.5
254	9.6	12.8	19.1
273	10.2	13.7	20.5
304	11.4	15.3	22.7
323	12.1	16.2	24.1
354	13.3	17.7	26.5
406	15.2	20.3	30.4
457		22.8	34.3
508			38.1



Important note

Pressure rating of spiral tube based on:

- 50% of 0.2% yield strength at 40°C
- Tube wall thickness weight taken at 90% of nominal wall thickness
- 0.2% yield strength of 304/316L take as 170MPa at 40°C
- Weld joint efficiency factor 0.7

Disclaimer: The information provided is intended for general information purposes only and should not be relied upon without verification of it's accuracy, suitability and applicability.

Material: 304/304L, 316/316L, 409, 3Cr12
Specification: ASTM-A778
Finish: DOM, pickled and passivated
 NB: Can be used with Nominal Bore OD fittings and flanges



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BEE level 2