

Special Formula of Calculating Weight

1) Weight of SS Pipe:

$$\text{OD(mm)- Wall thickness (mm) x Wall thick (mm) x 0.0248 = Wt./mtr}$$

$$\text{OD(mm)- Wall thickness (mm) x Wall thick (mm) x 0.00756 = Wt./feet}$$

2) Weight of SS Round Bar:

$$\text{DIA (mm) x DIA (mm) x 0.00623 = Wt./mtr}$$

$$\text{DIA (mm) x DIA (mm) x 0.0019 = Wt./feet}$$

3) Weight of SS Square Bar:

$$\text{Sq. (mm) x Sq. (mm) x 0.00788 = Wt./mtr}$$

$$\text{Sq. (mm) x Sq. (mm) x 0.0024 = Wt./feet}$$

4) Weight of Hexagonal Bar:

$$\text{A/F (mm) x A/F (mm) x 0.00680 = Wt./mtr}$$

$$\text{A/F (mm) x A/F (mm) x 0.002072 = Wt./feet}$$

5) Weight of SS Flat Bar:

$$\text{Width (mm) x Thick (mm) x 0.00798 = Wt./mtr}$$

$$\text{Width (mm) x Thick (mm) x 0.00243 = Wt./feet}$$

6) Weight of SS Circle:

$$\text{Dia (mm) x Dia (mm) x Thick (mm) : 160 = Gms./pc}$$

$$\text{Dia (mm) x Dia (mm) x Thick (mm) x 0.0000063 = Kg./pc}$$

7) Weight of SS Sheets & Plates:

$$\text{Length (mtrs.) x Width (mtrs) x Thick (mm) x 8 = Kg./Sheet}$$

$$\text{Length (ft.) x Width (ft.) x Thick (mm) x 3/4 = Kg./Sheet}$$

8) Weight of Brass Pipe Copper Pipe:

$$\text{O.D. (mm) – Thick (mm) x Thick (mm) x 0.0260 = Wt./mtr}$$

$$\text{O.D. (mm) – Thick (mm) x 0-0090 = Kg./ft}$$

9) Weight of Lead Pipe:

$$\text{O.D. (mm) – Wt.(mm) x Wt. (mm) x 0.0345 = Wt./mtr}$$

10) Weight of Aluminium Pipe:

$$\text{O.D. (mm) – Thick (mm) x Thick (mm) x 0.0083 = Wt./mtr}$$

11) Weight of Aluminium Sheet:

$$\text{Length (mtr.) x Width (mtr.) x Thick (mm) x 2.69 = Wt./pc}$$

12) Weight for Conversion of Mtr To Feet:

$$\text{Weight of 1 mtr x 3.2808 = Feet}$$

13) Formula for Calculating Width of Sheet for making pipe:

$$\text{Outer DIA – Wall Thickness x 22/7 Width of Sheet}$$

14)Formula for Calculating Principal Amount With Interest on Bank FDR:

$$400 + \text{Rate of Interest : } 400 \times \text{Principal Amount} = \text{Quarterely PA \& I (Press = 4 times for yearly)}$$

15)Formula for Healthy Business:

$$\text{Honesty + Quality of Goods + Quick Service}$$

STAINLESS STEEL SCHEDULE PIPES
N.B., O.D., W.T. & WEIGHT/FT & (MTR.)

NORMINAL BORE			Sch 5		Sch 10		Sch 40		Sch 80		Sch 160	
MM	inch	mm O/D	W/T	(Kg/m) Kg/F	W/T	(Kg/m) Kg/F	W/T	(Kg/m) Kg/F	W/T	(Kg/m) Kg/F	W/T	(Kg/m) Kg/F
3	1/8"	10.3	1.24	(0.276) 0.084	1.24	(0.278) 0.084	1.73	(0.365) 0.111	2.41	(0.469) 0.143
6	1/4"	13.7	1.24	(0.380) 0.166	1.65	(0.492) 0.150	2.24	(0.633) 0.193	3.02	(0.797) 0.234
10	3/8"	17.7	1.4	0.166	1.65	(0.544) 0.12	2.31	(0.630) 0.258	3.2	(0.846) 0.335	..	(0.1.10)
15	1/2"	21.3	1.65	(0.801) 0.244	2.11	(1.00) 0.305	2.77	(1.27) 0.387	3.73	(1.67) 0.493	4.75	(1.94) 0.591
20	3/4"	26.7	1.65	(1.02) 0.311	2.11	(1.27) 0.387	2.78	(1.68) 0.512	3.91	(2.20) 0.670	4.54	(2.89) 0.880
25	1"	33.4	1.65	(1.29) 0.393	2.77	(2.09) 0.637	3.38	(2.50) 0.762	4.55	(3.27) 0.997	6.35	(4.24) 1.29
32	1 1/4"	42.2	1.65	(1.65) 0.506	2.77	(2.69) 0.820	3.56	(3.38) 1.03	4.85	(4.46) 1.36	6.35	(5.61) 1.71
40	1 1/2"	48.3	1.65	(1.899) 0.579	2.77	(3.11) 0.948	3.68	(4.05) 1.23	5.08	(5.41) 1.65	7.14	(7.25) 2.21
50	2"	60.3	1.65	(2.39) 0.728	2.77	(3.937) 1.20	3.91	(5.44) 1.66	5.54	(7.48) 2.28	8.71	(11.09) 3.38
65	2 1/2"	73	2.11	(3.707) 1.13	3.05	(5.249) 1.60	5.16	(8.63) 2.63	7.01	(11.4) 3.47	9.53	(14.9) 4.54
80	3"	88.9	2.11	(4.528) 1.38	3.05	(6.463) 1.97	5.16	(11.3) 3.44	7.62	(15.3) 4.66	11.13	(21.3) 6.49
...	3 1/2"	101.6	2.11	(5.184) 1.58	3.05	(7.415) 2.26	5.74	(13.6) 4.15	8.08	(18.6) 5.67
100	4"	114.3	2.11	(5.938) 1.81	3.05	(8.366) 2.55	6.02	(16.1) 4.90	8.56	(22.3) 6.80	13.29	10.2
125	5"	141.3	2.77	(9.55) 2.91	3.4	(11.61) 3.54	6.55	(21.8) 6.64	9.53	(31.0) 9.45	15.9	(49.2) 15.5
150	6"	168.3	2.77	(11.37) 3.47	3.4	(14.04) 4.28	7.11	(28.25) 8.61	10.97	(42.5) 12.95	18.24	(67.8) 20.6
200	8"	219.1	2.77	(14.80) 4.51	3.76	(20.01) 6.10	8.18	(42.7) 13.0	12.7	(64.6) 19.69	23.01	(111.2) 33.89
250	10"	273	3.4	(22.74) 6.85	4.19	(28.2) 8.60	9.27	(61.20) 18.6	15.06	(96.1) 29.29	28.5	(173.3) 52.8
300	12"	323.89	3.96	(31.43) 9.58	4.57	(36.53) 11.30	10.3	(79.71) 24.30	17.45	(132.1) 40.26	33.32	(240.1) 7.18
350	14"	355.6	3.96	(34.4) 10.49	4.78	(41.30) 12.600	11.13	(94.54) 28.82	19.05	(154.5) 48.311	35.71	(283.2) 86.20
400	16"	406.4	4.9	(41.4) 12.68	6.35	(62.74) 19.120	12.17	(123.49) 37.640	21.41	(203.53) 62.04	40.46	367.1) 111.900