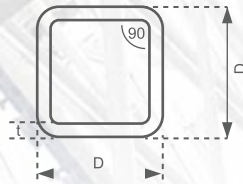




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จังหวัดระยอง 21120 Tel. 66(0)3301-2436-8



SQUARE HOLLOW SECTION STEEL PIPE

เหล็กงานโครงสร้าง
ASTM A500

MATERIAL OF GRADE	CHEMICAL COMPOSITION (%)						MECHANICAL PROPERTIES					
	C Max	Si Max	Mn Max	P Max	S Max	Cu Max	Yield Strength		Tensile Strength		Elongation, min	
							Round MPa	Sharped MPa	Round MPa	Sharped MPa	Round 2in (50.8 mm)	Shaped 2in (50.8 mm)
Grade A	0.300	-	1.400	0.045	0.045	0.18	230	270	310	310	25	25
Grade B	0.300	-	1.400	0.045	0.045	0.18	290	315	400	400	23	23
Grade C	0.270	-	1.400	0.045	0.045	0.18	315	345	425	425	21	21
Grade D	0.300	-	1.400	0.045	0.045	0.18	250	250	400	400	23	23

Nominal Size		Thickness	Weight (plain end)	Cross-sectional area	Geometrical moment of inertia	Modulus of section	Radius of gyration of area
mm	in						
25.4 x 25.4	1" x 1"	2.41	1.62	2.07	1.75	1.38	0.92
		3.38	2.10	2.68	2.04	1.60	0.87
50.8 x 50.8	2" x 2"	2.79	4.00	5.16	19.41	7.64	1.94
		3.18	4.52	5.80	21.40	8.42	1.92
		3.91	5.44	6.94	24.67	9.71	1.89
		4.78	6.41	8.21	27.88	10.97	1.84
63.5 x 63.5	2 1/2" x 2 1/2"	3.58	6.43	8.25	48.35	15.23	2.42
		4.78	8.32	10.64	59.36	18.70	2.36
		6.35	10.56	13.13	66.84	21.05	2.26
76.2 x 76.2	3" x 3"	3.96	8.60	11.04	94.20	24.72	2.92
		4.78	10.21	13.07	108.49	28.47	2.88
		6.35	13.09	16.36	126.31	33.15	2.78
89.9 x 89.9	3 1/2" x 3 1/2"	3.96	10.24	13.05	154.44	34.74	3.44
		4.78	12.11	15.50	179.16	40.31	3.40
		6.35	15.62	19.59	213.28	47.98	3.30
		7.92	18.88	23.50	242.68	54.60	3.21
101.6 x 101.6	4" x 4"	4.78	13.85	17.92	275.30	54.19	3.92
		6.35	17.89	22.81	332.96	65.54	3.82
		7.92	21.61	27.53	384.04	75.60	3.74
127.0 x 127.0	5" x 5"	4.78	17.65	22.78	559.65	88.13	4.96
		6.35	22.94	29.26	691.23	108.86	4.86
		7.92	27.93	35.57	811.65	127.82	4.78
152.4 x 152.4	6" x 6"	4.78	21.44	27.64	992.88	130.30	5.99
		6.35	28.00	35.71	1242.75	163.09	5.90
		7.92	34.25	43.62	1475.70	193.66	5.82
		9.52	40.28	51.30	1684.99	221.13	5.73
177.8 x 177.8	7" x 7"	4.78	25.07	32.49	1606.30	180.69	7.03
		6.35	32.80	42.17	2029.15	228.25	6.94
		7.92	39.16	51.67	2428.12	273.13	6.86
203.2 x 203.2	8" x 8"	6.35	37.85	48.62	3092.04	304.33	7.97
		7.92	46.49	59.71	3720.81	366.22	7.89
		9.52	54.80	70.65	4309.18	424.13	7.81
		12.70	70.46	89.86	5178.43	509.69	7.59
254.0 x 254.0	10" x 10"	6.35	47.96	61.52	6213.81	489.28	10.05
		7.92	59.13	75.81	7534.67	593.28	9.97
		9.52	69.98	89.99	8796.58	692.64	9.89
		12.70	90.69	115.67	10828.27	852.62	9.68

Dimension Tolerances

Length of side : ≤ 63.5 mm : ±0.51 mm
 ≤ 88.9 mm : ±0.64 mm
 > 88.9 mm-139.7 mm : ±0.76 mm
 > 139.7 mm : ±1%
 Thickness : ±10%