

SQUARE STEEL PIPES : ท่อสี่เหลี่ยม มอก.

STANDARD TIS 107-2533 (มอก.107)

Side Length		Thickness	Calculate Weight	Cross Sectional Area	Geometrical Moment of Inertia	Modulus of Section	Radius of Gyration
D x D		mm.	kg/m	cm ²	cm ⁴	cm ³	cm
in.	mm.	T	W	A	I _x , I _y	Z _x , Z _y	I _x , I _y
1"x1"	25x25	2.00	1.360	1.74	1.48	1.19	0.92
		2.30	1.530	1.74	1.61	1.29	0.90
1-1/4"x1-1/4"	32x32	2.30	2.040	2.60	3.71	2.32	1.20
		3.20	2.690	3.42	4.54	2.84	1.15
1-1/2"x1-1/2"	38x38	2.30	2.470	3.15	6.54	3.44	1.44
		3.20	3.290	4.19	8.18	4.30	1.40
2"x2"	50x50	2.30	3.340	4.25	15.90	6.34	1.93
		3.20	4.500	5.73	20.40	8.16	1.86
3"x3"	75x75	3.20	7.010	8.93	75.50	20.10	2.91
		4.00	8.590	10.95	90.20	24.10	2.87
4"x4"	100x100	3.20	9.520	12.13	187.00	37.50	3.93
		4.00	11.700	14.95	226.00	45.30	3.89
		4.50	13.100	16.67	249.00	49.90	3.87
6"x6"	150x150	4.50	20.100	25.67	896.00	120.00	5.91
		6.00	26.400	33.63	1150.00	153.00	5.84
8"x8"	* 200x200	6.00	35.800	45.63	2830.00	283.00	7.88
		8.00	46.900	59.79	3620.00	362.00	7.78
		9.00	52.300	66.67	3990.00	399.00	7.73
10"x10"	* 250x250	6.00	45.200	57.63	5670.00	454.00	9.92
		8.00	59.200	75.79	7320.00	585.00	9.82
		9.00	66.500	84.67	8090.00	647.00	9.78
12"x12"	* 300x300	6.00	54.700	69.63	9960.00	664.00	12.00
		9.00	80.600	102.70	14300.00	956.00	11.80
		12.00	106.000	134.50	18300.00	1220.00	11.70

14"x14"	* 350x350	9.00	94.700	120.70	23200.00	1320.00	13.90
		12.00	124.000	158.50	29800.00	1700.00	13.70