Carbon Steel Tubes For General Structural Purposes

JIS G 3444 - 1998 - STK 290 **JIS G 3444 - 1998 - STK 500**
JIS G 3444 - 1998 - STK 400 **JIS G 3444 - 1998 - STK 540**

Outside Diameter	Wall Thickness	Calculated Weight	Cross-Sectional Area	Geometrical Moment of inertia	Modulus of Section	Radius of Graytion of Area
mm	mm	kg/mm	cm^2	cm^4	cm^3	cm
21.7	2.0	0.972	1.238	0.607	0.560	0.700
27.2	2.0	1.24	1.583	1.26	0.930	0.890
	2.3	1.41	1.799	1.41	1.03	0.880
34.0	2.3	1.80	2.291	2.89	1.70	1.12
42.7	2.3	2.29	2.919	5.97	2.80	1.43
	2.5	2.49	3.157	6.40	3.00	1.42
	2.8	2.76	3.510	7.02	3.29	1.41
48.6	2.3	2.63	3.345	8.99	3.70	1.64
	2.5	2.84	3.621	9.65	3.97	1.63
	2.8	3.16	4.029	10.6	4.36	1.62
	3.2	3.58	4.564	11.8	4.86	1.61
60.5	2.3	3.30	4.205	17.8	5.90	2.06
	3.2	4.52	5.760	23.7	7.84	2.03
	4.0	5.57	7.100	28.5	9.41	2.00
76.3	2.8	5.08	6.465	43.7	11.50	2.60
	3.2	5.77	7.349	49.2	12.90	2.56
	4.0	7.13	9.085	59.5	15.60	2.56
89.1	2.8	5.96	7.591	70.7	15.90	3.05
	3.2	6.78	8.636	79.8	17.90	3.04
	4.0	8.39	10.69	97.0	21.80	3.01
101.6	3.2	7.76	9.892	120	23.60	3.48
	4.0	9.63	12.26	146	28.80	3.45
	5.0	11.9	15.17	177	34.90	3.42
114.3	3.2	8.77	11.17	172	30.20	3.93
	3.6	9.83	12.52	192	33.60	3.92
	4.5	12.2	15.52	234	41.00	3.89
	5.6	15.0	19.12	283	49.60	3.85
139.9	3.6	12.1	15.40	357	51.10	4.82
	4.0	13.4	17.07	394	56.30	4.80
	4.5	15.0	19.13	438	62.70	4.79
	6.0	19.8	25.22	566	80.90	4.74
165.2	4.5	17.8	22.72	734	88.90	5.68
	5.0	19.8	25.16	808	97.80	5.67
	6.0	23.6	30.01	958	115	5.63
	7.0	27.3	34.79	1090	132	5.60

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Outside Diameter	Wall Thickness	Calculated Weight	Cross-Sectional Area	Geometrical Moment of inertia	Modulus of Section	Radius of Graytion of Area
mm	mm	kg/mm	cm^2	cm^4	cm^3	cm
190.7	4.5	20.7	26.32	1140	120	6.59
	5.0	22.9	29.17	1260	132	6.57
	6.0	27.3	34.82	1490	156	6.53
	7.0	31.70	40.40	1710	179	6.50
216.3	4.5	23.5	29.94	1680	155	7.49
	6.0	31.1	39.64	2190	203	7.44
	7.0	36.1	46.03	2520	233	7.40
267.4	6.0	38.7	49.27	421x10	315	9.24
	6.6	42.4	54.08	460x10	344	9.22
	7.0	45.0	57.26	486x10	363	9.21
	8.0	51.2	65.19	549x10	411	9.18
	9.0	57.30	73.06	611x10	457	9.14
	9.3	59.2	75.41	629x10	470	9.13
355.6	6.4	55.1	70.21	$107x10^2$	602	12.30
	7.9	67.7	86.29	$130x10^2$	734	12.30
	9.0	76.9	98.00	$147x10^2$	828	12.30
	9.5	81.1	103.30	$155x10^2$	871	12.20
	12.0	102	129.50	$191x10^2$	108x10	12.20
	12.7	107	136.80	$201x10^2$	113x10	12.10
406.4	7.9	77.6	98.90	$196x10^2$	967.00	14.10
	9.0	88.2	112.40	$222x10^2$	109x10	14.10
	9.5	93.0	118.50	$233x10^2$	115x10	14.00
	12.0	117	148.70	$289x10^2$	142x10	14.00
	12.7	123	157.10	$305x10^2$	150x10	13.90
	16.0	154	196.20	$374x10^2$	184x10	13.80
457.2	9.0	99.5	126.70	$318x10^2$	140x10	15.80
	9.5	105.0	133.60	$335x10^2$	147x10	15.80
	12.0	132.0	167.80	$416x10^2$	182x10	15.70
	12.7	139.0	177.30	$438x10^2$	192x10	15.70
	16.0	174.0	221.80	$540x10^2$	236x10	15.60

Tolerances:

Description	Tolerance	
Thickness (t)	t < 3 mm	± 0.3mm
	3 mm ≤ t < 12mm	± 10%
	12 mm ≥ t	± 10%, -1.2mm
Outside Diameter (OD)	OD < 50mm	± 0.25mm
	50mm ≥ OD	± 0.5%