



RECTANGULAR TUBES FOR GENERAL, STRUCTURAL AND ENGINEERING PURPOSES EXTRACTS FROM ASTM A 500 BS 6363 IS 4923

AXB		Weight	Sectional Area	Moment of Inertia		Section Modulus		Radius of Gyration	
AXB	Wall Thickness	w	a	Ix	Iy	zx	zy	ix	iy
	t								
30 x 20	2.00	1.471	1.737	1.936	1.017	1.291	1.017	1.237	1.056
	3.25	2.290	2.555	2.479	1.281	1.653	1.281	1.674	0.985
40 x 20	2.00	1.876	2.137	4.049	1.343	2.025	1.343	1.377	0.793
	2.65	2.323	2.718	4.861	1.586	2.430	1.586	1.337	0.764
	3.25	2.801	3.205	5.416	1.743	2.708	1.743	1.300	0.737
50 x 30	2.00	2.417	2.937	9.535	4.292	3.814	2.862	1.802	1.209
	2.65	3.161	3.778	11.780	5.257	4.712	3.505	1.766	1.180
	2.90	3.441	4.087	12.541	5.579	5.016	3.719	1.752	1.168
60 x 40	2.00	3.044	3.737	18.410	9.830	6.137	4.915	2.220	1.622
	2.50	3.744	4.589	22.069	11.735	7.356	5.868	2.193	1.599
	3.65	5.409	6.423	29.169	15.367	9.723	7.684	2.131	1.547
80 x 40	2.90	5.259	6.407	58.864	17.113	21.716	8.557	2.818	1.634
	3.25	5.865	7.105	55.596	18.619	13.899	9.309	2.797	1.619
	4.50	7.982	9.468	70.212	23.135	17.553	11.568	2.723	1.563
90 x 50	2.90	6.167	7.567	79.590	31.865	17.687	12.746	3.243	2.052
	3.25	6.884	8.405	87.344	34.857	19.410	13.943	3.224	2.036
	4.85	10.081	12.032	118.086	46.408	26.241	18.579	3.133	1.965
75 x 125	3.25	9.947	12.305	260.401	118.348	41.664	31.559	4.600	3.101
	3.65	11.135	13.723	287.687	130.460	46.030	34.789	4.579	3.083
	5.00	15.087	18.355	372.479	167.671	59.597	44.712	4.505	3.022
150 x 100	4.85	18.461	22.702	701.05	374.52	93.47	74.91	5.56	4.06
	5.40	20.48	25.08	766.42	408.69	102.19	81.73	5.53	4.04
	6.30	28.71	35.19	1733.41	599.71	177.34	119.94	7.10	4.13
200 x 100	4.85	22.28	27.55	1421.23	484.39	142.12	96.88	7.18	4.19
	5.40	24.73	30.48	1588.61	529.63	155.86	105.93	7.15	4.17
	6.30	28.71	35.19	1733.41	599.71	177.34	119.94	7.10	4.13

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