

ASTM A500 1993 TUBING IN SQUARES & RECTANGULARS

SQUARE TUBING						
Nominal Size		Wall thickness		Weight		Pcs.
INCH	NB (mm)	Inches	mm	lb./Ft.	Kg./Mtr.	per bdl.
5/8 x 5/8	16 x 16	0.047	1.2	0.391	0.583	200
		0.059	1.5	0.481	0.717	200
		0.072	1.8	0.577	0.860	150
		0.078	2.0	0.631	0.940	150
3/4 x 3/4	19 x 19	0.047	1.2	0.461	0.687	200
		0.059	1.5	0.568	0.847	200
		0.072	1.8	0.691	1.029	150
		0.078	2.0	0.757	1.128	150
		0.098	2.5	0.933	1.390	100
1 x 1	25 x 25	0.047	1.2	0.612	0.912	150
		0.059	1.5	0.764	1.138	150
		0.072	1.8	0.918	1.368	100
		0.078	2.0	1.009	1.503	81
		0.098	2.5	1.248	1.860	81
1 1/5 x 1 1/5	30 x 30	0.047	1.2	0.744	1.108	100
		0.059	1.5	0.925	1.378	100
		0.072	1.8	1.104	1.645	100
		0.078	2.0	1.222	1.821	100
		0.098	2.5	1.515	2.257	64
1 1/2 x 1 1/2	38 x 38	0.047	1.2	0.802	1.208	100
		0.059	1.5	1.009	1.503	81
		0.072	1.8	1.208	1.802	64
		0.078	2.0	1.409	2.100	81
		0.098	2.5	1.744	2.600	64
13/5 x 13/5	40 x 40	0.047	1.2	0.860	1.280	100
		0.059	1.5	1.067	1.583	81
		0.072	1.8	1.274	1.886	64
		0.078	2.0	1.481	2.189	81
		0.098	2.5	1.816	2.689	64
2 x 2	50 x 50	0.059	1.5	1.554	2.315	64
		0.078	2.0	2.060	3.070	49
		0.098	2.5	2.562	3.818	49
		0.118	3.0	3.044	4.535	36
2 1/3 x 2 1/3	60 x 60	0.157	4.0	4.038	6.017	36
		0.059	1.5	1.868	2.783	49
		0.078	2.0	2.463	3.670	49
		0.098	2.5	3.089	4.602	36
		0.118	3.0	3.674	5.475	36
3 x 3	75 x 75	0.157	4.0	4.879	7.270	25
		0.177	4.5	5.465	8.143	25
		0.078	2.0	3.123	4.653	36
		0.098	2.5	3.877	5.777	36
		0.118	3.0	4.653	6.933	36
3 1/7 x 3 1/7	80 x 80	0.157	4.0	6.183	9.212	25
		0.177	4.5	6.884	10.258	25
		0.078	2.0	3.322	4.950	36
		0.098	2.5	4.153	6.188	36
		0.118	3.0	4.968	7.403	36
4 x 4	100 x 100	0.157	4.0	6.603	9.838	25
		0.177	4.5	7.331	10.923	25
		0.078	2.0	4.163	6.203	20
		0.098	2.5	5.191	7.735	20
		0.118	3.0	6.213	9.258	20
		0.157	4.0	8.244	12.283	20
		0.177	4.5	9.250	13.783	16
		0.197	5.0	10.252	15.275	16
		0.217	5.5	11.248	16.759	12
		0.236	6.0	12.239	18.236	12
		0.059	1.5	1.810	2.700	100
		0.078	2.0	2.370	3.540	81
		0.098	2.5	2.920	4.360	64
		0.118	3.0	3.450	5.160	49
		0.157	4.0	4.460	6.660	36

RECTANGULAR TUBING						
Nominal Size		Wall thickness		Weight		Pcs.
INCH	NB (mm)	Inches	mm	lb./Ft.	Kg./Mtr.	per bdl.
1 1/2 x 3/4	40 x 20	0.047	1.2	0.745	1.11	100
		0.059	1.5	0.923	1.375	100
		0.072	1.8	1.093	1.629	100
		0.078	2.0	1.230	1.832	100
		0.098	2.5	1.525	2.272	64
		0.118	3.0	1.814	2.703	64
2 x 1	50 x 25	0.059	1.5	1.166	1.738	100
		0.072	1.8	1.376	2.049	100
		0.078	2.0	1.556	2.318	100
		0.098	2.5	1.898	2.828	64
		0.118	3.0	2.287	3.408	64
		0.157	4.0	3.028	4.512	49
2 x 1 1/5	50 x 30	0.059	1.5	1.810	1.215	100
		0.078	2.0	2.370	1.591	100
		0.098	2.5	2.920	1.96	64
		0.118	3.0	3.450	2.315	64
		0.157	4.0	4.460	2.993	49
2 1/3 x 1 1/5	60 x 30	0.059	1.5	1.396	2.08	81
		0.072	1.8	1.658	2.471	64
		0.078	2.0	1.850	2.757	64
		0.098	2.5	2.300	3.427	64
		0.118	3.0	2.744	4.088	49
		0.157	4.0	3.638	5.42	49
2 1/3 x 1 3/5	60 x 40	0.059	1.5	2.030	1.362	81
		0.072	1.8	2.440	1.638	64
		0.078	2.0	2.690	1.805	64
		0.098	2.5	3.320	2.228	49
		0.118	3.0	3.800	2.550	49
		0.157	4.0	5.420	3.638	49
3 x 2	75 x 50	0.059	1.5	2.900	1.946	49
		0.072	1.8	3.470	2.329	49
		0.078	2.0	3.850	2.584	49
		0.098	2.5	4.800	3.221	36
		0.118	3.0	5.730	3.846	36
		0.157	4.0	7.580	5.087	25
3 1/7 x 1 1/2	80 x 40	0.059	1.5	1.869	2.785	49
		0.078	2.0	2.481	3.697	49
		0.098	2.5	3.089	4.602	49
		0.118	3.0	3.689	5.498	36
		0.157	4.0	4.899	7.300	25
		4 x 2	100 x 50	0.078	2.0	3.112
0.098	2.5			3.877	5.777	30
0.118	3.0			4.636	6.908	25
0.157	4.0			6.161	9.180	25
0.177	4.5			6.855	10.214	20
0.197	5.0			7.623	11.358	20
4 4/6 x 2 1/3	120 x 60	0.098	2.5	4.679	6.972	30
		0.118	3.0	5.599	8.343	25
		0.157	4.0	7.423	11.060	25
		0.177	4.5	8.269	12.320	20
		0.197	5.0	9.200	13.708	20
5 x 3	125 x 75	0.098	2.5	5.169	7.703	30
		0.118	3.0	6.230	9.283	24
		0.157	4.0	8.264	12.313	20
		0.177	4.5	9.211	13.724	16
		0.197	5.0	10.252	15.275	16
		0.217	5.5	11.200	16.688	16
6 x 3	150 x 75	0.098	2.5	5.824	8.678	20
		0.118	3.0	7.019	10.458	16
		0.157	4.0	9.295	13.850	16
		0.177	4.5	10.362	15.440	16
		0.197	5.0	11.566	17.233	12
		0.217	5.5	12.640	18.833	12
		0.236	6.0	13.753	20.492	10

- 1. TOLERANCE** : Permissible variations in outside flat dimensions as below:
2 1/2" (63.5mm) or under = + / - 0.508mm
Greater than 2 1/2" to 3 1/2" = + / - 0.64mm
Greater than 3 1/2" to 5 1/2" = + / - 0.76mm
Greater than 5 1/2" = 0.1 times of large flat dimension.
- 2. PROPERTIES** : a) Chemical = (Maximum) C - 0.26%, S - 0.035%, P - 0.035%, Cu - 0.20%, (For A,B & D type)
C - 0.23%, Mn - 1.35%, S - 0.035%, P - 0.035%, Cu- 0.20% (For C Type)
: b) Mechanical = (Minimum) For Grade A = UTS - 310 Mpa, YS - 269 Mpa & Elongation - 25%
For Grade B = UTS - 400 Mpa, YS - 317 Mpa & Elongation - 23%
For Grade C = UTS - 427 Mpa, YS - 345 Mpa & Elongation - 21%
For Grade B = UTS - 400 Mpa, YS - 250 Mpa & Elongation - 23%
- 3. RADIUS OF CORNER** : 3 times the nominal wall thickness (Maximum)
- 4. WORKMANSHIP** : Free from overlap, lamination, tool / roll marks, pin holes, open seams & other harmful defects.
- 5. PACKING** : Box type.
- 6. MILL TEST CERTIFICATE** : We can issue a MTC, certifying that the tubes supplied comply with this standard.