

ASTM A513 MECHANICAL TUBING (RECTANGLES)

Weld area is on the First Listed Dimension.

Dimensions				20' TUBING			24' TUBING		
Nominal Size	Wall Thickness	Calculated Weight		pcs	Weight		pcs	Weight	
		lb/ft	kg/ft		lbs	kgs		lbs	kgs
in.	in.								
1 x ½	0.047	0.443	0.201	120	1,063	482	120	1,276	579
	0.060	0.553	0.250	120	1,327	600	120	1,593	720
1 x 2	0.047	0.922	0.418	60	1,106	502	60	1,328	602
	0.060	1.165	0.528	60	1,398	634	60	1,678	760
	0.072	1.380	0.627	60	1,656	752	60	1,987	903
	0.083	1.580	0.716	60	1,896	859	60	2,275	1,031
	0.090	1.702	0.771	40	1,362	617	40	1,634	741
	0.120	2.210	1.000	40	1,768	800	40	2,122	960
1 x 2½	0.060	1.369	0.620	60	1,643	744	60	1,971	893
	0.083	1.860	0.844	60	2,232	1,013	60	2,678	1,215
	0.090	2.008	0.910	60	2,410	1,092	60	2,892	1,311
	0.120	2.620	1.190	40	2,096	952	40	2,515	1,142
1 x 3	0.060	1.573	0.713	55	1,730	784	55	2,077	941
	0.072	1.870	0.849	55	2,057	934	55	2,468	1,120
	0.083	2.140	0.972	55	2,354	1,069	55	2,825	1,283
	0.090	2.314	1.049	55	2,546	1,154	55	3,055	1,384
	0.120	3.020	1.370	48	2,899	1,315	48	3,479	1,578
1½ x ¾	0.047	0.683	0.310	96	1,311	595	96	1,574	714
	0.060	0.859	0.389	96	1,649	747	96	1,979	896
	0.072	1.020	0.461	96	1,958	885	96	2,350	1,062
	0.083	1.160	0.524	96	2,227	1,006	96	2,673	1,207
	0.090	1.243	0.563	80	1,989	902	80	2,387	1,082
	0.120	1.600	0.725	80	2,560	1,160	80	3,072	1,392
1½ x 1	0.047	0.762	0.346	80	1,219	554	80	1,463	664
	0.060	0.961	0.435	80	1,538	696	80	1,845	835
	0.072	1.140	0.516	80	1,824	826	80	2,189	991
	0.083	1.300	0.588	80	2,080	941	80	2,496	1,129
	0.090	1.396	0.632	63	1,759	797	63	2,111	967
	0.120	1.800	0.817	63	2,268	1,029	63	2,722	1,235
1½ x 2½	0.060	1.573	0.713	60	1,888	856	60	2,265	1,027
	0.072	1.870	0.849	60	2,244	1,019	60	2,693	1,223
	0.083	2.140	0.972	60	2,568	1,166	60	3,082	1,400
	0.090	2.314	1.049	40	1,851	839	40	2,222	1,007
	0.120	3.020	1.370	40	2,416	1,096	40	2,899	1,315
2 x 1½	0.047	1.080	0.490	60	1,296	588	60	1,555	706
	0.060	1.369	0.620	60	1,643	744	60	1,971	893
	0.083	1.860	0.844	60	2,232	1,013	60	2,678	1,215
	0.090	2.008	0.910	40	1,607	728	40	1,928	874
	0.120	2.620	1.190	40	2,096	952	40	2,515	1,142

ASTM A513 MECHANICAL TUBING (ROUNDS)

Dimensions				20' TUBING		
Nominal Size	Wall Thickness	Calculated Weight		pcs	Weight	
		lb/ft	kg/ft		lbs	kgs
in.	in.	lb/ft	kg/ft			
5/8	0.047	0.290	0.132	169	980	446
	0.060	0.362	0.164	169	1,224	554
	0.072	0.425	0.193	169	1,437	652
3/4	0.047	0.353	0.160	127	897	406
	0.060	0.442	0.201	127	1,123	511
	0.072	0.521	0.236	127	1,323	599
	0.083	0.591	0.268	127	1,501	681
	0.090	0.634	0.288	127	1,611	731
7/8	0.060	0.807	0.366	127	2,050	930
	0.047	0.416	0.189	127	1,057	480
	0.060	0.522	0.237	127	1,326	602
	0.072	0.617	0.280	127	1,567	711
	0.083	0.702	0.318	127	1,783	808
1	0.090	0.755	0.342	127	1,917	869
	0.120	0.968	0.439	127	2,459	1,115
	0.047	0.478	0.217	127	1,214	551
	0.060	0.602	0.273	127	1,529	693
1-1/8	0.072	0.714	0.324	127	1,814	823
	0.083	0.813	0.369	127	2,065	937
	0.090	0.875	0.397	127	2,222	1,008
	0.120	1.13	0.513	127	2,870	1,303
	0.047	0.541	0.245	91	985	446
	0.060	0.682	0.310	91	1,241	564
1-1/4	0.072	0.810	0.367	91	1,474	668
	0.083	0.924	0.419	91	1,682	763
	0.090	0.995	0.451	91	1,811	821
	0.120	1.29	0.585	91	2,348	1,065
	0.047	0.604	0.274	91	1,099	499
1-1/4	0.060	0.763	0.346	91	1,389	630
	0.072	0.906	0.411	91	1,649	748
	0.083	1.03	0.467	91	1,875	850
	0.090	1.12	0.506	91	2,029	920
	0.120	1.45	0.658	91	2,639	1,198

Dimensions				20' TUBING		
Nominal Size	Wall Thickness	Calculated Weight		pcs	Weight	
		lb/ft	kg/ft		lbs	kgs
in.	in.	lb/ft	kg/ft			
1-3/8	0.047	0.667	0.302	91	1,214	550
	0.060	0.843	0.382	91	1,534	695
	0.072	1.00	0.454	91	1,820	826
	0.083	1.15	0.519	91	2,093	945
	0.090	1.24	0.560	91	2,248	1,020
1-1/2	0.120	1.61	0.730	91	2,930	1,329
	0.047	0.729	0.331	61	889	404
	0.060	0.923	0.419	61	1,126	511
	0.072	1.10	0.498	61	1,342	608
	0.083	1.26	0.572	61	1,537	698
1-5/8	0.090	1.36	0.615	61	1,653	750
	0.120	1.77	0.803	61	2,159	980
	0.047	0.792	0.359	61	966	438
	0.060	1.00	0.455	61	1,224	555
	0.072	1.19	0.542	61	1,452	661
1-3/4	0.083	1.37	0.621	61	1,671	758
	0.090	1.48	0.669	61	1,800	816
	0.120	1.93	0.875	61	2,355	1,068
	0.060	1.08	0.491	37	801	363
2	0.083	1.48	0.670	37	1,094	496
	0.090	1.60	0.724	37	1,181	536
	0.120	2.09	0.948	37	1,546	702
	0.047	0.980	0.445	37	725	329
2	0.060	1.24	0.564	37	920	417
	0.072	1.48	0.672	37	1,095	497
	0.083	1.70	0.771	37	1,258	571
	0.090	1.84	0.833	37	1,359	616
	0.120	2.41	1.09	37	1,783	807

ASTM A513 MECHANICAL TUBING (SQUARES)

Dimensions				20'Tubing			24'Tubing		
Nominal Size	Wall Thickness	Calculated Weight		pcs	Weight		pcs	Weight	
		lb/ft	kg/ft		lbs	kgs		lbs	kgs
in.	in.								
1/2 x 1/2	0.047	0.283	0.128	182	1,030	466	182	1,236	559
	0.060	0.349	0.158	182	1,270	575	182	1,524	690
	0.072	0.404	0.183	182	1,471	666	182	1,765	799
5/8 x 5/8	0.047	0.363	0.165	180	1,307	594	180	1,568	713
	0.060	0.451	0.204	121	1,091	494	121	1,310	592
	0.072	0.526	0.239	121	1,273	578	121	1,528	694
3/4 x 3/4	0.047	0.443	0.201	110	975	442	110	1,170	531
	0.060	0.553	0.250	110	1,217	550	110	1,460	660
	0.072	0.649	0.294	110	1,428	647	110	1,713	776
	0.083	0.732	0.332	110	1,610	730	110	1,932	876
	0.090	0.784	0.355	110	1,725	782	110	2,070	938
	0.120	0.986	0.447	110	2,169	983	110	2,603	1,180
7/8 x 7/8	0.047	0.523	0.237	110	1,151	521	110	1,381	626
	0.060	0.655	0.297	110	1,441	653	110	1,729	784
	0.072	0.771	0.350	110	1,696	770	110	2,035	924
	0.083	0.874	0.396	110	1,923	871	110	2,307	1,045
1 x 1	0.047	0.603	0.273	100	1,206	546	100	1,447	655
	0.060	0.757	0.343	100	1,514	686	100	1,817	823
	0.072	0.893	0.405	100	1,786	810	100	2,143	972
	0.083	1.010	0.460	100	2,020	920	100	2,424	1,104
	0.090	1.090	0.494	100	2,180	988	100	2,616	1,186
	0.120	1.390	0.632	100	2,780	1,264	81	2,702	1,229
1 1/4 x 1 1/4	0.047	0.762	0.346	81	1,234	561	81	1,481	673
	0.060	0.961	0.435	81	1,557	705	81	1,868	846
	0.072	1.140	0.516	81	1,847	836	81	2,216	1,003
	0.083	1.300	0.588	81	2,106	953	81	2,527	1,143
	0.090	1.396	0.632	64	1,787	810	64	2,145	972
	0.120	1.800	0.817	64	2,304	1,046	64	2,765	1,255
1 1/2 x 1 1/2	0.047	0.922	0.418	64	1,180	535	64	1,416	642
	0.060	1.165	0.528	64	1,491	676	64	1,789	811
	0.072	1.380	0.627	64	1,766	803	64	2,120	963
	0.083	1.580	0.716	64	2,022	916	64	2,427	1,100
	0.090	1.702	0.771	49	1,668	756	49	2,002	907
	0.120	2.210	1.000	49	2,166	980	49	2,599	1,176
1 3/4 x 1 3/4	0.060	1.369	0.620	56	1,533	694	56	1,840	833
	0.083	1.860	0.844	56	2,083	945	56	2,500	1,134
	0.090	2.008	0.910	56	2,249	1,019	56	2,699	1,223
	0.120	2.620	1.190	56	2,934	1,333	56	3,521	1,599
2 x 2	0.047	1.240	0.563	56	1,389	631	56	1,667	757
	0.060	1.573	0.713	56	1,762	799	56	2,114	958
	0.072	1.870	0.849	56	2,094	951	56	2,513	1,141
	0.083	2.140	0.972	56	2,397	1,089	56	2,876	1,306
	0.090	2.314	1.488	56	2,591	1,175	56	3,110	1,410
	0.120	3.020	1.370	56	3,382	1,534	56	4,059	1,841