

# STAINLESS STEEL PIPES

## ROUND TUBING

## WEIGHT TABLE

Outside Diameter		Type	Wall thickness (mm)																				
			0.5		0.6		0.7		0.8		1.0		1.2		1.5		2.0		2.5		3.0		
inch	mm		kg/m	kg/20'	kg/m	kg/20'	kg/m	kg/20'	kg/m	kg/20'	kg/m	kg/20'	kg/m	kg/20'	kg/m	kg/20'	kg/m	kg/20'	kg/m	kg/20'	kg/m	kg/20'	
1/2	12.7	AISI 304	0.152	0.927	0.181	1.10	0.209	1.27	0.237	1.44	0.291	1.77	0.344	2.10	0.418	2.55							
		AISI 430	0.148	0.902	0.176	1.07	0.203	1.24	0.230	1.40	0.283	1.73	0.334	2.04	0.406	2.47							
3/8	15.9	AISI 304	0.192	1.17	0.229	1.40	0.265	1.62	0.301	1.83	0.371	2.26	0.439	2.68	0.538	3.28							
		AISI 430	0.186	1.13	0.222	1.35	0.257	1.57	0.292	1.78	0.360	2.19	0.427	2.60	0.522	3.18							
	16	AISI 304	0.193	1.18	0.230	1.40	0.267	1.63	0.303	1.85	0.374	2.28	0.442	2.69	0.542	3.30							
		AISI 430	0.187	1.14	0.224	1.37	0.259	1.58	0.294	1.79	0.363	2.21	0.430	2.62	0.526	3.21							
3/4	19.1	AISI 304	0.232	1.41	0.277	1.69	0.321	1.96	0.365	2.23	0.451	2.75	0.535	3.26	0.658	4.01							
		AISI 430	0.225	1.37	0.269	1.64	0.312	1.90	0.354	2.16	0.438	2.67	0.520	3.17	0.639	3.90							
7/8	22.2	AISI 304			0.323	1.97	0.375	2.29	0.426	2.60	0.528	3.22	0.628	3.83	0.773	4.71	1.01	6.16					
		AISI 430			0.314	1.91	0.364	2.22	0.414	2.52	0.513	3.13	0.610	3.72	0.751	4.58	0.977	5.96					
	25	AISI 304			0.365	2.23	0.429	2.62	0.482	2.94	0.598	3.65	0.711	4.33	0.878	5.35	1.15	7.01					
		AISI 430			0.354	2.16	0.411	2.51	0.468	2.85	0.581	3.54	0.691	4.21	0.853	5.20	1.11	6.77					
1	25.4	AISI 304			0.371	2.26	0.431	2.63	0.490	2.99	0.608	3.71	0.723	4.41	0.893	5.44	1.17	7.13					
		AISI 430			0.360	2.19	0.417	2.54	0.476	2.90	0.590	3.60	0.702	4.28	0.867	5.29	1.13	6.89					
1 1/8	28.6	AISI 304			0.418	2.55	0.486	2.96	0.554	3.38	0.687	4.19	0.819	4.99	1.01	6.16	1.32	8.05					
		AISI 430			0.406	2.47	0.472	2.88	0.538	3.28	0.668	4.07	0.795	4.85	0.983	5.99	1.29	7.86					
1 1/4	31.8	AISI 304					0.542	3.30	0.618	3.77	0.767	4.68	0.915	5.58	1.13	6.89	1.48	9.02	1.82	11.1	2.15	13.1	
		AISI 430					0.527	3.21	0.600	3.66	0.745	4.54	0.888	5.41	1.10	6.71	1.44	8.78	1.77	10.8	2.09	12.7	
	32	AISI 304					0.546	3.33	0.622	3.79	0.772	4.71	0.921	5.61	1.14	6.95	1.49	9.08	1.84	11.2	2.17	13.2	
		AISI 430					0.530	3.23	0.604	3.68	0.750	4.57	0.894	5.45	1.11	6.77	1.45	8.84	1.78	10.9	2.10	19.8	
1 1/2	38.1	AISI 304					0.652	3.97	0.743	4.53	0.924	5.63	1.10	6.71	1.37	8.35	1.80	11.0	2.22	13.5	2.62	16.0	
		AISI 430					0.633	3.86	0.722	4.40	0.897	5.47	1.07	6.52	1.33	8.11	1.75	10.7	2.15	13.1	2.55	15.5	
1 5/8	41.3	AISI 304							0.807	4.92	1.00	6.10	1.20	7.32	1.49	9.08	1.96	11.9	2.42	14.8	2.86	17.4	
		AISI 430							0.784	4.78	0.974	5.94	1.16	7.07	1.44	8.78	1.90	11.6	2.35	14.3	2.78	16.9	
1 3/4	44.5	AISI 304							0.871	5.31	1.08	6.58	1.29	7.86	1.61	9.81	2.12	12.9	2.62	16.0	3.10	18.9	
		AISI 430							0.846	5.16	1.05	6.40	1.26	7.68	1.56	9.51	2.06	12.6	2.54	15.5	3.01	18.3	
	45	AISI 304							0.881	5.37	1.10	6.71	1.31	7.99	1.63	9.94	2.14	13.0	2.65	16.2	3.14	19.1	
		AISI 430							0.855	5.21	1.06	6.46	1.27	7.74	1.58	9.63	2.08	12.7	2.57	15.7	3.05	18.6	
1.9	48.3	AISI 304							0.947	5.77	1.18	7.19	1.41	8.60	1.75	10.7	2.31	14.1	2.85	17.4	3.39	20.7	
		AISI 430							0.920	5.61	1.14	6.95	1.37	8.35	1.70	10.4	2.24	13.7	2.77	16.9	3.29	20.1	
	50	AISI 304								1.22	7.44	1.46	8.90	1.81	11.0	2.39	14.6	2.96	18.0	3.51	21.4		
		AISI 430								1.19	7.25	1.42	8.66	1.76	10.7	2.32	14.1	2.87	17.5	3.41	20.8		
2	50.8	AISI 304								1.24	7.56	1.48	9.02	1.84	11.2	2.43	14.8	3.01	18.3	3.57	21.8		
		AISI 430								1.20	7.32	1.44	8.78	1.79	10.9	2.36	14.4	2.92	17.8	3.47	21.2		
	60.5	AISI 304										1.77	10.8	2.20	13.4	2.91	17.7	3.61	22.0	4.30	26.2		
		AISI 430										1.72	10.5	2.14	13.0	2.83	17.3	3.51	21.4	4.17	25.4		
2 1/2	63.5	AISI 304											1.86	11.3	2.32	14.1	3.06	18.7	3.80	23.2	4.52	27.6	
		AISI 430											1.81	11.0	2.25	13.7	2.98	18.2	3.69	22.5	4.39	26.8	
3	76.2	AISI 304												2.24	13.7	2.79	17.0	3.70	22.6	4.59	28.0	5.47	33.3
		AISI 430												2.18	13.3	2.71	16.5	3.59	21.9	4.46	27.2	5.31	32.4

# STAINLESS STEEL SQUARE TUBES

## SQUARE TUBING

## WEIGHT TABLE

Side length mm (inch)	Type	Wall thickness mm, BWG (inch)													
		1.0		1.2		1.5		2.0		3.0		BWG 18 (0.049)		BWG 16 (0.065)	
		kg/m	kg/20'	kg/m	kg/20'	kg/m	kg/20'	kg/m	kg/20'	kg/m	kg/20'	kg/m	kg/20'	kg/m	kg/20'
12X12	AISI 304	0.347	2.12	0.409	2.49							0.128	2.57		
	AISI 430	0.337	2.05	0.397	2.42							0.125	2.49		
12.7X12.7 (1/2X1/2)	AISI 304	0.369	2.25	0.436	2.66							0.137	2.74		
	AISI 430	0.359	2.19	0.423	2.58							0.133	2.66		
14X14	AISI 304	0.411	2.51	0.485	2.96							0.152	3.05		
	AISI 430	0.399	2.43	0.471	2.87							0.148	2.96		
15.9X15.9 (5/8X5/8)	AISI 304	0.471	2.87	0.558	3.40							0.175	3.51		
	AISI 430	0.457	2.79	0.542	3.30							0.170	3.40		
16X16	AISI 304	0.474	2.89	0.562	3.43							0.176	3.53		
	AISI 430	0.460	2.80	0.545	3.32							0.171	3.43		
19X19	AISI 304	0.569	3.47	0.676	4.12	0.831	5.07					0.212	4.25	0.276	5.52
	AISI 430	0.553	3.37	0.656	4.00	0.807	4.92					0.206	4.13	0.268	5.36
19.1X19.1 (3/4X3/4)	AISI 304	0.572	3.49	0.680	4.15	0.836	5.10					0.214	4.27	0.278	5.56
	AISI 430	0.556	3.39	0.660	4.02	0.811	4.94					0.207	4.15	0.270	5.39
20X20	AISI 304	0.601	3.66	0.714	4.35	0.878	5.35					0.224	4.49	0.292	5.85
	AISI 430	0.584	3.56	0.693	4.22	0.853	5.20					0.218	4.36	0.284	5.68
21X21	AISI 304	0.633	3.86	0.752	4.58	0.926	5.64					0.236	4.72	0.308	6.16
	AISI 430	0.614	3.74	0.730	4.45	0.899	5.48					0.230	4.59	0.299	5.99
22.2X22.2 (7/8X7/8)	AISI 304	0.671	4.09	0.798	4.86	0.983	5.99					0.251	5.02	0.326	6.52
	AISI 430	0.651	3.97	0.774	4.72	0.955	5.82					0.244	4.88	0.317	6.34
25X25	AISI 304	0.760	4.63	0.904	5.51	1.12	6.83					0.284	5.69	0.372	7.44
	AISI 430	0.738	4.50	0.878	5.35	1.08	6.58					0.276	5.52	0.360	7.19
25.4X25.4 (1X1)	AISI 304	0.772	4.71	0.919	5.60	1.14	6.95					0.289	5.79	0.378	7.56
	AISI 430	0.750	4.57	0.893	5.44	1.10	6.71					0.281	5.61	0.369	7.38
28X28	AISI 304	0.855	5.21	1.02	6.22	1.26	7.68					0.320	6.40	0.421	8.41
	AISI 430	0.830	5.06	0.989	6.03	1.22	7.44					0.311	6.22	0.408	8.17
30X30	AISI 304	0.918	5.60	1.09	6.64	1.35	8.23	1.77	10.8			0.344	6.89	0.452	9.03
	AISI 430	0.892	5.44	1.06	6.46	1.32	8.05	1.72	10.5			0.335	6.71	0.439	8.78
31.8X31.8 (1 1/4X1 1/4)	AISI 304	0.975	5.94	1.16	7.07	1.44	8.78	1.89	11.5			0.366	7.32	0.482	9.63
	AISI 430	0.947	5.77	1.13	6.89	1.40	8.53	1.83	11.2			0.357	7.13	0.466	9.33
32X32	AISI 304	0.982	5.99	1.17	7.13	1.45	8.84	1.90	11.6			0.369	7.38	0.485	9.69
	AISI 430	0.953	5.81	1.14	6.95	1.41	8.60	1.85	11.3			0.357	7.13	0.469	9.39
34X34	AISI 304	1.05	6.40	1.25	7.62	1.54	9.39	2.03	12.4			0.393	7.86	0.515	10.3
	AISI 430	1.01	6.16	1.21	7.38	1.50	9.14	1.97	12.0			0.381	7.62	0.500	10.0
35X35	AISI 304	1.08	6.58	1.28	7.80	1.59	9.69	2.09	12.7			0.405	8.11	0.531	10.6
	AISI 430	1.05	6.40	1.25	7.62	1.55	9.45	2.03	12.4			0.393	7.86	0.515	10.3
38X38	AISI 304	1.17	7.13	1.40	8.53	1.73	10.5	2.28	13.9			0.439	8.78	0.579	11.6
	AISI 430	1.14	6.95	1.36	8.29	1.68	10.2	2.22	13.5			0.427	8.53	0.564	11.3
38.1X38.1 (1 1/2X1 1/2)	AISI 304	1.18	7.19	1.40	8.53	1.74	10.6	2.29	14.0			0.442	8.84	0.582	11.6
	AISI 430	1.14	6.95	1.36	8.29	1.69	10.3	2.22	13.5			0.430	8.60	0.564	11.3
40X40	AISI 304	1.24	7.56	1.48	9.02	1.83	11.2	2.41	14.7	3.52	21.5	0.463	9.27	0.613	12.3
	AISI 430	1.20	7.32	1.43	8.72	1.78	10.9	2.34	14.3	3.42	20.8	0.451	9.02	0.594	11.9
46X46	AISI 304	1.43	8.72	1.70	10.4	2.12	12.9	2.79	17.0	4.09	24.9	0.536	10.7	0.707	14.1
	AISI 430	1.38	8.41	1.65	10.1	2.05	12.5	2.71	16.5	3.97	24.2	0.521	10.4	0.686	13.7
50X50	AISI 304			1.86	11.3	2.31	14.1	3.04	18.5	4.47	27.2	0.585	11.7	0.771	15.4
	AISI 430			1.80	11.0	2.24	13.7	2.96	18.0	4.34	26.5	0.567	11.0	0.750	15.0
50.8X50.8 (2X2)	AISI 304			1.89	11.5	2.34	14.3	3.09	18.8	4.55	27.7	0.594	11.9	0.783	15.7
	AISI 430			1.83	11.2	2.28	13.9	3.00	18.3	4.42	26.9	0.576	11.5	0.762	15.2
60X60	AISI 304			2.24	13.7	2.78	16.9	3.68	22.4	5.42	33.0	0.704	14.1	0.930	18.6
	AISI 430			2.17	13.2	2.70	16.5	3.57	21.8	5.27	32.1	0.683	13.7	0.902	18.0