

MS square pipe and rectangular tube weight chart

Weight per metre of cold-formed square (SHS) and rectangular (RHS) hollow sections, often called MS square pipe and MS rectangular pipe. 40 × 40 × 2 mm weighs 2.31 kg/m and 100 × 100 × 5 mm weighs 14.41 kg/m.

Square hollow sections (kg/m)

Size (mm)	1.6	2	2.5	3	4	5	6	8	10	12.5
20 × 20	0.87	1.05	1.25							
25 × 25	1.12	1.36	1.64	1.89						
30 × 30	1.38	1.68	2.03	2.36						
40 × 40	1.88	2.31	2.82	3.30	4.20	4.99				
50 × 50	2.38	2.93	3.60	4.25	5.45	6.56	7.56			
60 × 60	2.88	3.56	4.39	5.19	6.71	8.13	9.45			
70 × 70	3.38	4.19	5.17	6.13	7.97	9.70	11.33	13.85		
80 × 80	3.89	4.82	5.96	7.07	9.22	11.27	13.21	16.36	19.28	
90 × 90		5.45	6.74	8.01	10.48	12.84	15.10	18.87	22.42	
100 × 100		6.07	7.53	8.96	11.73	14.41	16.98	21.39	25.56	29.08
120 × 120			9.10	10.84	14.25	17.55	20.75	26.41	31.84	36.93
140 × 140				12.72	16.76	20.69	24.52	31.43	38.12	44.78
150 × 150				13.67	18.01	22.26	26.40	33.95	41.26	48.70
160 × 160					19.27	23.83	28.29	36.46	44.40	52.63
180 × 180					21.78	26.97	32.05	41.48	50.68	60.48
200 × 200					24.29	30.11	35.82	46.51	56.96	68.33
250 × 250						37.96	45.24	59.07	72.66	87.95
300 × 300							54.66	71.63	88.36	107.58

Rectangular hollow sections (kg/m)

Size (mm)	1.6	2	2.5	3	4	5	6	8	10	12.5
40 × 20	1.38	1.68	2.03							
50 × 25	1.75	2.15	2.62	3.07						
50 × 30	1.88	2.31	2.82	3.30						
60 × 40	2.38	2.93	3.60	4.25	5.45	6.56				
80 × 40	2.88	3.56	4.39	5.19	6.71	8.13				
100 × 50	3.64	4.50	5.56	6.60	8.59	10.48	12.27			
100 × 60	3.89	4.82	5.96	7.07	9.22	11.27	13.21			

Size (mm)	1.6	2	2.5	3	4	5	6	8	10	12.5
120 × 60	4.39	5.45	6.74	8.01	10.48	12.84	15.10			
120 × 80	4.89	6.07	7.53	8.96	11.73	14.41	16.98	21.39	25.56	
150 × 100		7.64	9.49	11.31	14.87	18.33	21.69	27.67	33.41	38.89
160 × 80	5.90	7.33	9.10	10.84	14.25	17.55	20.75	26.41	31.84	
200 × 100		9.21	11.45	13.67	18.01	22.26	26.40	33.95	41.26	48.70
250 × 150				18.38	24.29	30.11	35.82	46.51	56.96	68.33
300 × 200					30.57	37.96	45.24	59.07	72.66	87.95

Column headings are wall thicknesses in mm. Calculated at 7850 kg/m³ with the EN 10219-2 corner radii (outside 2t up to 6 mm wall, 2.5t to 10 mm, 3t above). Indian IS 4923 and producers' tables can differ by about 1 %. For American sizes see the [HSS square tubing chart](#). steelweight-calculator.com