

A.1 THICKNESS AND WEIGHT OF SHEET METALS

Gage	Thickness, inches			Nominal Weight		Thickness, millimeters		
	Nom	Max	Min	lb/ft ²	kg/m ²	Nom	Max	Min
30	0.016	0.019	0.013	0.66	3.21	0.40	0.48	0.32
29	0.017	0.020	0.014	0.72	3.51	0.44	0.52	0.36
28	0.019	0.022	0.016	0.78	3.82	0.48	0.56	0.40
27	0.020	0.023	0.017	0.85	4.12	0.51	0.59	0.43
26	0.022	0.025	0.019	0.91	4.43	0.55	0.63	0.47
25	0.025	0.029	0.022	1.03	5.04	0.63	0.73	0.53
24	0.028	0.032	0.024	1.15	5.63	0.70	0.80	0.60
23	0.031	0.035	0.027	1.28	6.25	0.78	0.88	0.68
22	0.034	0.038	0.030	1.41	6.86	0.85	0.95	0.75
21	0.037	0.041	0.033	1.53	7.47	0.93	1.03	0.83
20	0.040	0.044	0.036	1.66	8.08	1.01	1.11	0.91
19	0.046	0.051	0.041	1.91	9.31	1.16	1.29	1.03
18	0.052	0.057	0.047	2.16	10.53	1.31	1.44	1.18
17	0.058	0.063	0.053	2.41	11.74	1.46	1.59	1.33
16	0.064	0.070	0.058	2.66	12.96	1.61	1.76	1.46
15	0.071	0.077	0.065	2.97	14.49	1.80	1.95	1.65
14	0.079	0.087	0.071	3.28	16.02	1.99	2.20	1.78
13	0.093	0.101	0.085	3.91	19.06	2.37	2.58	2.16
12	0.108	0.117	0.099	4.53	22.13	2.75	2.98	2.52
11	0.123	0.132	0.114	5.16	25.17	3.13	3.36	2.90
10	0.138	0.147	0.129	5.78	28.21	3.51	3.74	3.28
9	0.153	0.162	0.144	6.41	31.27	3.89	4.12	3.66
8	0.168	0.177	0.159	7.03	34.31	4.27	4.50	4.04

Table A-1 Thickness and Weight of Galvanized and Black Iron

NOTES:

- Nominal weights listed in this table are based on 41.82 lb/ft² per in. of thickness, or 502 lb/ft³ (8041 kg/m³). It conforms to that information which is published by steel suppliers and is sufficiently accurate for estimating gravity loads.
- This table is based on the thickness tolerances specified by ASTM for 48 in. (1.2 m) and 60 in. (1.5 m) wide coil and sheet stock. Different tolerances may apply to other sheet widths and strip.
- The steel producing industry recommends that steel be ordered by decimal thickness. Thickness and zinc coating class can be stenciled on the sheet. The gage designation is retained for residual familiarity reference only.
- Per ASTM A90/A90M *Standard Test Method for Weight (Mass) of Coating on Iron and Steel Articles with Zinc or Zinc Alloy Coatings*, G60 coating has 0.60 oz/ft² (183 g/m²) of zinc (triple spot test), total for two sides. 0.60 oz/ft² (183 g/m²) of zinc equals a total thickness of 0.001 in. (0.025 mm). G90 coating is 0.90 oz/ft² (275 g/m²) (triple spot test), or 0.0015 in. (0.039 mm). Magnetic gage measurement of zinc coating may have 15% error.
- For additional information on the general requirements for metallic-coated steel sheet of commercial quality (CQ) or lock-forming quality (LFQ), see the following standards: ASTM A924/A924M *General Requirements for Steel Sheet, Metallic-Coated by the Hot-Dip Process*, and ASTM A653/A653M *Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron-Alloy-Coated (Galvannealed) by the Hot-Dip Process*.

