

Engineering Information

Weight of Steel

This table gives the comprehensive data for 0.7843kg/cm² per meter for weight of steel standard.

Engineering Information					
ATOMIC WEIGHT (0=16)					
Element and Symbol	Atom.Wt	Valency	Element and Symbol	Atom.Wt	Valency
Aluminium Al	26.970	3, 0	Manganese Mn	54.930	2, 3, 4
Antimony Sb	121.760	3, 5	Mercury Hg	200.600	1, 2
Argon A	39.944	—	Molybdenum Mo	95.950	3, 6
Arsenic As	74.930	3, 5	Nickel Ni	58.690	2, 3, 4
Barium Ba	137.360	—	Neon Ne	20.18	—
Bismuth Bi	208.000	3, 5	Nitrogen N	14.010	3, 5
Boron B	10.820	3, 4	Oxygen O	16.000	2
Bromine Br	79.920	1, 5, 7	Phosphorous P	30.980	3, 5
Cadmium Cd	112.400	2	Platinum Pt	195.200	2, 4
Calcium Ca	40.070	2	Potassium K	39.100	1
Carbon C	12.000	2, 4	Radium Ra	226.050	2
Chlorine Cl	35.450	1, 5, 7	Selenium Se	78.960	2, 6
Chromium Cr	52.010	3, 6	Silicon Si	28.060	4
Cobalt Co	58.950	2, 3	Silver Ag	107.880	1
Copper Cu	63.570	1, 2	Sodium Na	23.000	1
Fluorine F	19.000	1, 0	Seontium Se	87.630	2
Gold Au	197.200	1, 3	Sulphr S	32.600	2, 4
Helium Ae	4.003	—	Tellurium Te	127.610	2, 6
Hydrogen H	1.008	1, 3, 5	Titanium Ti	47.900	3, 4
Iodine I	126.900	1	Tin Sn	118.700	2, 4
Iridium Ir	193.100	2, 3, 4	Tungsten W	184.000	3, 4, 6
Iron Fe	55.840	2, 3	Uranium U	238.070	4, 6
Lead Pb	207.200	2, 4	Vanadium V	50.950	1 to 5
Lithium Li	6.940	1	Zinc Zn	65.380	2
Magnesium Mg	24.320	2	Zirconium Zr	91.220	4

Engineering Information						
WEIGHTS OF STEEL						
0.7843 kg/cm ² per metre						
Black Sheets	B.G.	sq. metre	Plates	Thick-ness	Chequered Plates	
						Wt. per sq. metre
in mm.	in mm.	in mm.	in mm.	in mm.	in mm.	
3.15	10	24.70	05	39.2	07	61.1
2.50	12	19.61	07	55.0	10	84.6
2.00	14	15.69	10	78.5	12	100.3
1.66	16	12.55	12	94.2		
1.25	18	9.80	14	109.9		
1.00	20	7.84	16	125.6		
0.80	22	6.27	18	141.3		
0.63	24	4.94	20	157.0		
0.50	26	3.91	22	172.7		
0.44	28	3.10	25	196.2		