

Tabla de chapas de acero

Construcciones Metálicas y de Madera I
Facultad de Ingeniería - U.N. de Cuyo

Junio 2006

Chapas gruesas

Espesor		Peso [N/m ²]
[pulg.]	[mm]	
1/8	3.18	245.4
3/16	4.76	368.1
1/4	6.35	490.9
5/16	7.94	613.6
3/8	9.53	736.3
7/16	11.10	858.0
1/2	12.70	981.7
9/16	14.30	1105.4
5/8	15.90	1229.1
11/16	17.50	1352.8
3/4	19.10	1476.4
13/16	20.60	1592.4
7/8	22.20	1716.1
15/16	23.80	1839.7
1	25.40	1963.4
1 1/4	31.70	2450.4
1 1/2	38.10	2945.1
1 3/4	44.40	3432.1
2	50.80	3926.8
2 1/2	63.50	4908.6
3	76.30	5898.0

Chapas finas

Calibre B.W.G. (Birmingham Wire Gauge)

Espesor		Peso [N/m ²]
nº	[mm]	
10	3.40	262.8
11	3.05	235.8
12	2.76	213.3
13	2.41	186.3
14	2.10	162.3
15	1.83	141.5
16	1.65	127.5
17	1.47	113.6
18	1.24	95.9
19	1.07	82.7
20	0.89	68.8
21	0.81	62.6
22	0.71	54.9
23	0.63	48.7
24	0.56	43.3
25	0.51	39.4
26	0.46	35.6
28	0.36	27.8
30	0.30	23.2

Chapas finas

Calibre B.G. (Birmingham Gauge)

Espesor		Peso [N/m ²]
nº	[mm]	
10	3.10	239.6
11	2.76	213.3
12	2.45	189.4
13	2.19	169.3
14	1.94	150.0
15	1.73	133.7
16	1.55	119.8
17	1.38	106.7
18	1.23	95.1
19	1.09	84.3
20	0.97	75.0
21	0.86	66.5
22	0.77	59.5
23	0.69	53.3
24	0.61	47.2
25	0.54	41.7
26	0.48	37.1
28	0.38	29.4
30	0.30	23.2

Peso específico del acero

$$\gamma_a = 77.3 \text{ kN/m}^3$$