

# Plates

ROYAL GROUP  
 Bl 20, Shanghecheng, Shuangjie Street,  
 Beichen District, Tianjin, China  
 chinaroyalsteel@163.com  
 +86 136 5209 1506



Metric units (7.85 kg/mm m<sup>2</sup> - 0.7293 kg/mm ft<sup>2</sup>)

Thickness	Unit Weight	Width x Length, ft					
		4 x 8	5 x 10	5 x 20	6x20	8 x 20	8 x 30
t	M						
mm	kg	32	50	100	120	160	240
1.2	0.88	28.00	-	-	-	-	-
1.5	1.09	35.00	-	-	-	-	-
1.6	1.17	37.34	-	-	-	-	-
2.0	1.46	46.67	-	-	-	-	-
2.3	1.68	53.67	-	-	-	-	-
2.5	1.82	58.34	-	-	-	-	-
3.0	2.19	70.00	109.38	-	-	-	-
4.0	2.91	93.34	145.84	292.00	-	-	-
4.5	3.28	105.00	164.07	328.14	-	-	-
5.0	3.65	116.67	182.30	364.60	-	-	-
6	4.38	140.01	218.76	437.52	525.02	700.03	1,050.05
7	5.11	163.34	255.22	510.44	612.53	816.70	1,225.06
8	5.83	186.68	291.68	583.36	700.03	933.38	1,400.06
9	6.56	210.01	328.14	656.28	787.54	1,050.05	1,575.07
10	7.29	233.34	364.60	729.20	875.04	1,166.72	1,750.08
11	8.02	256.68	401.06	802.12	962.54	1,283.39	1,925.09
12	8.75	280.01	437.52	875.04	1,050.05	1,400.06	2,100.10
15	10.94	350.02	546.90	1,093.80	1,312.56	1,750.08	2,625.12
16	11.67	373.35	583.36	1,166.72	1,400.06	1,866.75	2,800.13
17	12.40	396.68	619.82	1,239.64	1,487.57	1,983.42	2,975.14
18	13.13	420.02	656.28	1,312.56	1,575.07	2,100.10	3,150.14
19	13.86	443.35	692.74	1,385.48	1,662.58	2,216.77	3,325.15
20	14.59	466.69	729.20	1,458.40	1,750.08	2,333.44	3,500.16
21	15.32	490.02	765.66	1,531.32	1,837.58	2,450.11	3,675.17
22	16.04	513.36	802.12	1,604.24	1,925.09	2,566.78	3,850.18
24	17.50	560.03	875.04	1,750.08	2,100.10	2,800.13	4,200.19
25	18.23	583.36	911.50	1,823.00	2,187.60	2,916.80	4,375.20
26	18.96	606.69	947.96	1,895.92	2,275.10	3,033.47	4,550.21
28	20.42	653.36	1,020.88	2,041.76	2,450.11	3,266.82	4,900.22
30	21.88	700.03	1,093.80	2,187.60	2,625.12	3,500.16	5,250.24
32	23.34	746.70	1,166.72	2,333.44	2,800.13	3,733.50	5,600.26
35	25.52	816.70	1,276.10	2,552.20	3,062.64	4,083.52	6,125.28
36	26.25	840.04	1,312.56	2,625.12	3,150.14	4,200.19	6,300.29
38	27.71	886.71	1,385.48	2,770.96	3,325.15	4,433.54	6,650.30
40	29.17	933.38	1,458.40	2,916.80	3,500.16	4,666.88	7,000.32
44	32.08	1,026.71	1,604.24	3,208.48	3,850.18	5,133.57	7,700.35
45	32.82	1,050.05	1,640.70	3,281.40	3,937.68	5,250.24	7,875.36
50	36.46	1,166.72	1,823.00	3,646.00	4,375.20	5,833.60	8,750.40
55	40.11	1,283.39	2,005.30	4,010.60	4,812.72	6,416.96	9,625.44
57	41.56	1,330.06	2,078.22	4,156.44	4,987.73	6,650.30	9,975.46
60	43.76	1,400.06	2,187.60	4,375.20	5,250.24	7,000.32	10,500.48
65	47.40	1,516.74	2,369.90	4,739.80	5,687.76	7,583.68	11,375.52
70	51.05	1,633.41	2,552.20	5,104.40	6,125.28	8,167.04	12,250.56
75	54.70	1,750.08	2,734.50	5,469.00	6,562.80	8,750.40	13,125.60
80	58.34	1,866.75	2,916.80	5,833.60	7,000.32	9,333.76	14,000.64
90	65.64	2,100.10	3,281.40	6,562.80	7,875.36	10,500.48	15,750.72
100	72.93	2,333.44	3,646.00	7,292.00	8,750.40	11,667.20	17,500.80
110	80.22	2,566.78	4,010.60	8,021.20	9,625.44	12,833.92	19,250.88
120	87.52	2,800.13	4,375.20	8,750.40	10,500.48	14,000.64	21,000.96
130	94.81	3,033.47	4,739.80	9,479.60	11,375.52	15,167.36	22,751.04
140	102.10	3,266.82	5,104.40	10,208.80	12,250.56	16,334.08	24,501.12
150	109.40	3,500.16	5,469.00	10,938.00	13,125.60	17,500.80	26,251.20

**Material Spec:** EN10025 S275JR  
 EN10025 S355JR  
 BS4360 Gr43A  
 JIS G3101 SS400  
 EH36/ASTM A36  
 ASTM A572 GR 50

Plates



# Boiler Plates

Metric units (7.85 kg/mm<sup>2</sup> - 0.7293 kg/mm ft<sup>2</sup>)

Thickness Inch	Width x Length					
	6' x 20'		8' x 20'		8' x 30'	
	Calculated Weight					
	kg/pc	lb/pc	kg/pc	lb/pc	kg/pc	lb/pc
1/8	278	613	371	818	556	1,226
3/16	416	917	555	1,224	832	1,834
1/4	556	1,226	741	1,634	1,111	2,449
5/16	695	1,532	927	2,044	1,387	3,058
3/8	834	1,839	1,100	2,425	1,669	3,680
7/16	972	2,143	1,296	2,857	1,944	4,286
1/2	1,112	2,452	1,482	3,267	2,222	4,899
5/8	1,390	3,064	1,853	4,085	2,780	6,129
3/4	1,667	3,675	2,222	4,899	3,332	7,346
7/8	1,946	4,290	2,591	5,712	3,890	8,576
1	2,223	4,901	2,963	6,532	4,445	9,800
1-1/8	2,502	5,516	3,339	7,361	4,997	11,016
1-1/4	2,780	6,129	3,425	7,551	5,560	12,258
1-1/2	3,335	7,352	4,445	9,800	6,668	14,700
1-3/4	3,887	8,569	5,194	11,451	7,772	17,134
2	4,450	9,811	5,921	13,054	8,900	19,621
2-1/4	4,997	11,016	6,663	14,689	9,994	22,033
2-1/2	5,551	12,238	7,402	16,319	11,102	24,476
3	6,662	14,687	8,883	19,584	13,324	29,374
3-1/2	7,772	17,134	10,363	22,846	15,544	34,269
4	8,882	19,581	11,843	26,109	17,764	39,163
5	11,102	24,476	14,803	32,635	22,204	48,951
6	13,322	29,370	17,763	39,161	26,644	58,740

**Material Spec:** ASME SA516 GR 50(N)  
 ASTM SA516 GR 60(N)  
 ASTM AS516 GR70(N)

# Mild Steel Checkered Plates

Thickness (mm)	Weight (kg/ft <sup>2</sup> )	Width x Length, ft		
		4' x 8'	5' x 10'	5' x 20'
		kg	kg	kg
3.0	2.25	72.00	113.00	-
4.0	3	96.10	150.00	-
4.5	3.38	108.00	169.00	-
5.0	3.75	120.00	188.00	-
6.0	4.5	144.00	225.00	450.00
7.5	5.63	180.00	282.00	563.00
8.0	6.01	192.00	300.00	601.00
9.0	6.76	216.00	338.00	676.00
12.0	9.01	288.00	450.00	901.00

**Material Spec:** JIS G3101 SS400  
 ASTM A36