

Plate Grades *

A36	Most common grade of steel plate used for general structural purposes Minimum yield of 36,000 psi/ minimum tensile of 58,000 psi
A131	ABS plate is intended primarily for use in shipbuilding. Minimum yield of 34,000 psi/ minimum tensile of 58,000 psi
A514	(T-1) quenched and tempered alloy plate 2-1/2" thick and under, minimum yield 100,000 psi/ tensile 110-130,000 psi Over 2-1/2" thick, minimum yield 90,000 psi/ tensile 100-130,000 psi
A516	Pressure vessel plate Grade 55, tensile strength 55-75,000 psi Grade 60, tensile strength 60-80,000 psi Grade 65, tensile strength 65-85,000 psi Grade 70, tensile strength 70-90,000 psi
A572 Gr. 50	High-strength low-alloy plate Grade 42, minimum yield of 42,000 psi/ minimum tensile of 60,000 psi Grade 50, minimum yield of 50,000 psi/ minimum tensile of 65,000 psi Grade 55, minimum yield of 55,000 psi/ minimum tensile of 70,000 psi Grade 60, minimum yield of 60,000 psi/ minimum tensile of 75,000 psi Grade 65, minimum yield of 65,000 psi/ minimum tensile of 80,000 psi
A588	(Corten) high-strength low-alloy with extra corrosion resistance properties 4" thick and under, minimum yield 50,000 psi/ minimum tensile 70,000 psi Over 4" to 5" thick, minimum yield 46,000 psi/ minimum tensile 67,000 psi Over 5" thick, minimum yield 42,000 psi/ minimum tensile 63,000 psi
A656	High-strength low-alloy plate offering improved formability Grade 50, minimum yield of 50,000 psi/ minimum tensile of 60,000 psi Grade 60, minimum yield of 60,000 psi/ minimum tensile of 70,000 psi Grade 70, minimum yield of 70,000 psi/ minimum tensile of 80,000 psi Grade 80, minimum yield of 80,000 psi/ minimum tensile of 90,000 psi
A786	Floor plate
AR	Abrasion resistant plate also offering great impact strength AR 235, Brinell hardness approximately 212-255 AR 400, Brinell hardness minimum 360 AR 500, Brinell hardness 500 nominal

Sheet Grades

A 1011	CS Type B, formerly referred to as A569/ Hot-rolled commercial steel sheet
A 1011	SS Grade 36, formerly referred to as A570 Gr. 36/ Hot-rolled structural steel sheet
A 1011	HSLA Grade 50, formerly referred to as A607 Gr. 50/ Hot-rolled high-strength, low-alloy sheet
A 1008	Cold-rolled structural, high-strength low-alloy (HSLA) and HSLA with improved formability steel sheet

* Does not include all plate and sheet grades

Weight Per Plate



Thickness	Plate Size	Weight Per Plate	
7.66# / Sq. Ft.	3/16"	245.05	
	48 x 120	306.32	
	48 x 144	367.58	
	48 x 240	612.63	
	60 x 96	306.32	
	60 x 120	382.90	
	60 x 144	459.47	
	60 x 240	765.79	
	60 x 360	1148.69	
	72 x 96	367.58	
	72 x 120	459.47	
	72 x 144	551.37	
72 x 240	918.95		
72 x 360	1378.42		
10.21# / Sq. Ft.	84 x 96	428.84	
	84 x 120	536.05	
	84 x 144	643.26	
	84 x 240	1072.11	
	84 x 360	1608.16	
	96 x 120	612.63	
	96 x 144	735.16	
	96 x 240	1225.26	
	96 x 360	1837.90	
	1/4"	48 x 96	326.71
	48 x 120	408.38	
	48 x 144	490.06	
48 x 240	816.77		
15.32# / Sq. Ft.	60 x 96	408.38	
	60 x 120	510.48	
	60 x 144	612.58	
	60 x 240	1020.96	
	60 x 360	1531.44	
	72 x 96	490.06	
	72 x 120	612.58	
	72 x 144	735.09	
	72 x 240	1225.15	
	72 x 360	1837.73	
	5/16"	120 x 240	2552.24
	120 x 360	3828.82	
120 x 480	5104.48		
15.31# / Sq. Ft.	3/8"	48 x 96	490.06
	48 x 120	612.58	
	48 x 144	735.09	

Thickness	Plate Size	Weight Per Plate	
10.21# / Sq. Ft.	1/4"	84 x 96	571.74
	84 x 120	714.67	
	84 x 144	857.61	
	84 x 240	1429.34	
	84 x 360	2144.02	
	96 x 120	816.77	
	96 x 144	980.12	
	96 x 240	1633.54	
	96 x 360	24150.30	
	96 x 480	3267.07	
	120 x 240	2041.92	
	120 x 360	3062.88	
120 x 480	4083.84		
7.68# / Sq. Ft.	5/16"	48 x 96	408.41
	48 x 120	510.51	
	48 x 144	612.61	
	48 x 240	1021.02	
	60 x 96	510.51	
	60 x 120	638.14	
	60 x 144	765.76	
	60 x 240	1276.27	
	60 x 360	1914.41	
	72 x 96	612.61	
	72 x 120	765.76	
	72 x 144	918.92	
72 x 240	1531.53		
72 x 360	2297.29		
20.42# / Sq. Ft.	84 x 96	714.71	
	84 x 120	893.39	
	84 x 144	1072.07	
	84 x 240	1786.78	
	84 x 360	2680.17	
	96 x 120	1021.02	
	96 x 144	1225.22	
	96 x 240	2042.04	
	96 x 360	3063.05	
	96 x 480	4084.08	
	1/2"	72 x 96	980.12
	72 x 120	1225.15	
72 x 144	1470.18		
72 x 240	2450.30		
72 x 360	3675.46		
15.31# / Sq. Ft.	84 x 96	1143.48	

Thickness	Plate Size	Weight Per Plate
	48 x 240	1225.15
	60 x 96	612.58
	60 x 120	765.72
	60 x 144	918.86
	60 x 240	1531.44
	60 x 360	2297.16
	72 x 96	735.09
	72 x 120	918.86
	72 x 144	1102.64
	72 x 240	1837.73
	72 x 360	2756.59
	84 x 96	857.61
	84 x 120	1072.01
	84 x 144	1286.41
	84 x 240	2144.02
	84 x 360	3216.02
	96 x 120	1225.15
	96 x 144	1470.18
	96 x 240	2450.30
	96 x 360	3675.46
	96 x 480	4900.61
	120 x 240	3062.88
	120 x 360	4594.32
	120 x 480	6125.76
1/2"	48 x 96	653.41
	48 x 120	816.77
20.42# / Sq. Ft.	48 x 144	980.12
	48 x 240	1633.54
	60 x 96	816.77
	60 x 120	1020.96
	60 x 144	1225.15
	60 x 240	2041.92
	60 x 360	3062.88
3/4"	72 x 96	1470.18
	72 x 120	1837.73
30.63# / Sq. Ft.	72 x 144	2205.27
	72 x 240	3675.46
	72 x 360	5513.18
	84 x 96	1715.22
	84 x 120	2144.02
	84 x 144	2572.82
	84 x 240	4288.03
	84 x 360	6432.05
	96 x 120	2450.31
	96 x 144	2940.36
	96 x 240	4900.61

Thickness	Plate Size	Weight Per Plate
	84 x 120	1429.34
	84 x 144	1715.21.
	84 x 240	2858.69
	84 x 360	4288.03
	96 x 120	1633.54
	96 x 144	1960.25
	96 x 240	3267.07
	96 x 360	4900.61
	96 x 480	6534.14
	120 x 240	4083.84
	120 x 360	6125.76
	120 x 480	8167.68
5/8"	48 x 96	816.77
	48 x 120	1020.96
25.53# / Sq. Ft.	60 x 120	1276.20
	60 x 240	2552.40
	72 x 120	1531.44
	72 x 240	3062.88
	84 x 120	1786.68
	84 x 240	3573.36
	96 x 120	2041.92
	96 x 240	4083.84
	96 x 360	6125.76
3/4"	48 x 96	980.12
	48 x 120	1225.15
30.63# / Sq. Ft.	48 x 144	1470.18
	48 x 240	2450.30
	60 x 96	1225.15
	60 x 120	1531.44
	60 x 144	1837.73
	60 x 240	3062.88
	60 x 360	4594.32
1"	60 x 96	1633.54
	60 x 120	2041.92
40.84# / Sq. Ft.	60 x 144	2450.30
	60 x 240	4083.84
	60 x 360	6125.76
	72 x 96	1960.24
	72 x 120	2450.30
	72 x 144	2940.36
	72 x 240	4900.61
	72 x 360	7350.91
	84 x 96	2286.95
	84 x 120	2858.69
	84 x 144	3430.43

	96 x 360	7350.91		84 x 240	5717.38
	96 x 480	9801.22		84 x 360	8576.06
	120 x 240	6125.76		96 x 120	3267.07
	120 x 360	9188.64		96 x 144	3920.49
	120 x 480	12251.52		96 x 240	6534.14
				96 x 360	9801.22
7/8"	48 x 96	1143.48		96 x 480	13068.29
	48 x 120	1429.35			
35.74# / Sq. Ft.	48 x 144	1715.21		120 x 240	8167.68
	48 x 240	2858.69		120 x 360	12251.52
				120 x 480	16335.36
	60 x 96	1429.34			
	60 x 120	1786.68		1-1/4"	
	60 x 144	2144.02		48 x 96	1633.53
	60 x 240	3573.36	51.05# / Sq. Ft.	48 x 120	2041.92
				60 x 120	2552.40
	72 x 120	2144.02		60 x 240	5104.80
	72 x 240	4288.03			
				72 x 120	3062.88
	84 x 120	2501.35		72 x 240	6125.76
	84 x 240	5002.70			
				84 x 120	3573.36
	96 x 120	2858.69		84 x 240	7146.72
	96 x 240	5717.38			
	96 x 360	8576.06		96 x 120	4083.44
				96 x 240	8167.68
1"	48 x 96	1306.83		96 x 360	12251.52
	48 x 120	1633.54			
40.84# / Sq. Ft.	48 x 144	1960.24			
	48 x 240	3267.08			

Thickness	Plate Size	Weight Per Plate	
1-1/2" 61.26# / Sq. Ft.	48 x 96	1960.24	
	48 x 120	2450.30	
	60 x 120	3062.88	
	60 x 240	6125.76	
	72 x 120	3675.45	
	72 x 240	7350.91	
	84 x 120	4288.03	
	84 x 240	8576.06	
	96 x 120	4900.60	
	96 x 240	9801.22	
	96 x 360	14701.80	
	1-3/4" 71.47# / Sq. Ft.	48 x 96	2286.95
		48 x 120	2858.68
		60 x 120	3573.36
60 x 240		7146.72	
72 x 120		4288.03	
72 x 240		8576.06	
84 x 120		5002.70	
84 x 240		10005.41	
96 x 120		5717.37	
96 x 240		11434.75	
96 x 360		17152.13	
2" 81.68# / Sq. Ft.		48 x 96	2613.66
		48 x 120	3267.07
		60 x 120	4083.84
	60 x 240	8167.68	
	72 x 120	4900.61	
	72 x 240	9801.22	
	84 x 120	5717.37	
	84 x 240	11434.75	
	96 x 120	6534.14	
	96 x 240	13068.29	
	96 x 360	19602.43	

Floor Plate



Common grade: ASTM A786

Thickness	Weight (lbs.) per Sq.Ft
16 Gauge	3.00
14 Gauge	3.75
12 Gauge	5.25
1/8	6.16
3/16	8.71
1/4	11.26
5/16	13.81
3/8	16.37
1/2	21.47
5/8	26.55
3/4	31.65
1	41.90

Weight Per Sheet

Hot Rolled Sheets

Thickness	Plate Size	Weight Per Sheet
10 ga. (.1345)	48 x 96	180.00
	48 x 120	225.00
	48 x 144	270.00
	48 x 240	450.00
5.625# / Sq. Ft.	60 x 96	225.00
	60 x 120	281.30
	60 x 144	337.50
	60 x 240	562.50
	72 x 96	270.00
	72 x 120	337.50
	72 x 144	405.00
	72 x 240	675.00
84 x 120	84 x 120	393.80
	84 x 144	472.50
	84 x 240	787.50
11 ga. (.1196)	48 x 96	160.00
	48 x 120	200.00
	48 x 144	240.00
	48 x 240	400.00
5.0# / Sq. Ft.	60 x 96	200.00
	60 x 120	250.00
	60 x 144	300.00
	60 x 240	500.00
	72 x 96	240.00
	72 x 120	300.00
	72 x 144	360.00
	72 x 240	600.00
12 ga. (.1046)	48 x 96	140.00
	48 x 120	175.00
	48 x 144	210.00
	48 x 240	350.00
4.375# / Sq. Ft.	60 x 96	175.00
	60 x 120	218.80
	60 x 144	262.50
	60 x 240	437.50

Cold Rolled Sheets

Thickness	Plate Size	Weight Per Sheet
16 ga. (.0598)	48 x 96	80.00
	48 x 120	100.00
	48 x 144	120.00
2.5# / Sq. Ft.	60 x 96	100.00
	60 x 120	125.00
18 ga. (.0478)	48 x 96	64.00
	48 x 120	80.00
	48 x 144	96.00
2.0# / Sq. Ft.		
20 ga. (.0359)	36 x 96	36.00
	36 x 120	45.00
1.50# / Sq. Ft.	48 x 96	48.00
	48 x 120	60.00
	48 x 144	72.00
22 ga. (.0299)	36 x 96	30.00
	36 x 120	37.00
1.25# / Sq. Ft.	48 x 96	40.00
	48 x 120	50.00
24 ga. (.0239)	36 x 96	24.00
	36 x 120	30.00
1.0# / Sq. Ft.	48 x 96	32.00
	48 x 120	40.00