

Carbon and high-strength steel plate, 5/16" to 4" thick, in 6, 8 and 10 ft widths and 20 or 40 ft lengths. Other sizes and grades on request.

Specifications listed

Specification	General scope of the standard
A-36	Carbon structural steel
A-283 Gr C	Low and intermediate tensile strength carbon steel plate
A-285 Gr C	Pressure vessel plate, carbon steel, low and intermediate tensile strength
A-516 Gr 70	Pressure vessel plate, carbon steel, for moderate- and lower-temperature service
A-572 Gr 50 / Gr 65	High-strength low-alloy columbium-vanadium structural steel
A-709 Gr 50	Structural steel for bridges
SA 516	ASME Boiler and Pressure Vessel Code designation of A-516

The scope column is the general title of each ASTM/ASME standard, for orientation only; it is not a product claim. Your engineer selects the grade.

Standard plate formats

Format (ft)	Width × length (in)	Width × length (mm)
6' × 20'	72" × 240"	1828.8 × 6096 mm
6' × 40'	72" × 480"	1828.8 × 12192 mm
8' × 20'	96" × 240"	2438.4 × 6096 mm
8' × 40'	96" × 480"	2438.4 × 12192 mm
10' × 20'	120" × 240"	3048 × 6096 mm
10' × 40'	120" × 480"	3048 × 12192 mm

Theoretical weight per plate (kg)

Thickness (in)	Decimal (in)	Thickness (mm)	6' × 20'	6' × 40'	8' × 20'	8' × 40'	10' × 20'	10' × 40'
5/16	0.313	7.938	696	1,392	928	1,855	1,160	2,319
3/8	0.375	9.525	834	1,667	1,111	2,223	1,389	2,779
7/16	0.437	11.1	971	1,943	1,295	2,590	1,619	3,238
1/2	0.500	12.7	1,111	2,223	1,482	2,964	1,852	3,705
9/16	0.562	14.275	1,249	2,499	1,666	3,331	2,082	4,164
5/8	0.625	15.875	1,389	2,779	1,852	3,705	2,315	4,631
3/4	0.750	19.05	1,667	3,334	2,223	4,446	2,779	5,557
7/8	0.875	22.225	1,945	3,890	2,593	5,187	3,242	6,483
1	1.000	25.4	2,223	4,446	2,964	5,928	3,705	7,410
1 1/8	1.125	28.575	2,501	5,001	3,334	6,669	4,168	8,336
1 1/4	1.250	31.75	2,779	5,557	3,705	7,410	4,631	9,262
1 3/8	1.375	34.925	3,056	6,113	4,075	8,151	5,094	10,188
1 1/2	1.500	38.1	3,334	6,669	4,446	8,891	5,557	11,114
1 5/8	1.625	41.275	3,612	7,224	4,816	9,632	6,020	12,041
1 3/4	1.750	44.45	3,890	7,780	5,187	10,373	6,483	12,967

Thickness (in)	Decimal (in)	Thickness (mm)	6' × 20'	6' × 40'	8' × 20'	8' × 40'	10' × 20'	10' × 40'
2	2.000	50.8	4,446	8,891	5,928	11,855	7,410	14,819
2 1/4	2.250	57.15	5,001	10,003	6,669	13,337	8,336	—
2 1/2	2.500	63.5	5,557	11,114	7,410	—	9,262	—
2 3/4	2.750	69.85	6,113	12,226	8,151	—	10,188	—
3	3.000	76.2	6,669	—	8,891	—	11,114	—
3 1/2	3.500	88.9	7,780	—	10,373	—	12,967	—
3 3/4	3.750	95.25	8,336	—	11,114	—	—	—
4	4.000	101.6	8,891	—	11,855	—	—	—

Theoretical weights as published, for reference only. "—" means that format is not listed for that thickness. Other sizes and grades on request.

About this sheet. Compiled by Tas & Zaz from the data published by the mill we represent (accessed October 2026). The mill's current documentation and your written quote prevail; final product selection is the responsibility of your engineer or specifier.

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