

ASTM A36 or A569 or CSA G40.21-44W/300W

Size in Inches		Weight Per Plate	
$\frac{3}{16}'' = 0.1875'' = 7.66$ lbs. per sq. ft.			
$\frac{3}{16}''$ x	48 x	96	245.12
		120	306.4
		144	367.68
		240	612.8
		288	735.36
	60 x	120	383.0
		144	459.6
		240	766.0
		288	919.2
	72 x	120	459.6
		144	551.52
		240	919.2
	84 x	120	536.2
		144	643.44
		240	1072.4
		288	1286.88
	96 x	120	612.8
		144	735.36
		240	1225.6
		288	1470.72
$\frac{1}{4}'' = 0.25'' = 10.21$ lbs. per sq. ft.			
$\frac{1}{4}''$ x	48 x	96	326.72
		120	408.4
		144	490.08
		240	816.8
		288	980.16
	60 x	120	510.5
		144	612.6
		240	1021.0
		288	1225.2
	72 x	120	612.6
		144	735.12
		240	1225.2
		288	1470.24
		384	1470.24
	84 x	120	714.7
		144	857.64
		240	1429.4
		288	1715.28
	96 x	120	816.8
		144	980.16

Size in Inches		Weight Per Plate	
$\frac{1}{4}'' = 0.25'' = 10.21$ lbs. per sq. ft.			
$\frac{1}{4}''$ x	96 x	240	1633.6
		288	1960.32
		384	2613.76
	120 x	480	4084
		$\frac{5}{16}'' = 0.3125'' = 12.76$ lbs. per sq. ft.	
$\frac{5}{16}''$ x	48 x	96	408.32
		120	510.4
		144	612.48
		240	1020.8
		288	1224.96
	60 x	120	638.0
		144	765.6
		240	1276.0
		288	1561.2
	72 x	120	765.6
		144	918.72
		240	1531.2
		288	1837.44
		384	2449.92
	84 x	120	893.2
		144	1071.84
		240	1786.4
		288	2143.68
	96 x	120	1020.8
		144	1224.96
		240	2041.6
		288	2449.92
		384	3266.56
	$\frac{3}{8}'' = 0.375'' = 15.32$ lbs. per sq. ft.		
$\frac{3}{8}''$ x	48 x	96	490.24
		120	612.8
		144	735.36
		240	1225.6
		288	1470.72
	60 x	120	766.0
		144	919.2
		240	1532.0
		288	1838.4
	72 x	120	919.2
		144	1103.04
		240	1838.4

Sizes shown are not necessarily stock items and are shown for weight reference only.

Steel Plates



ASTM A36 or A569 or CSA G40.21-44W/300W

STEEL PLATES

Size in Inches		Weight Per Plate	
$\frac{3}{8}" = 0.375" = 15.32 \text{ lbs. per sq. ft.}$			
$\frac{3}{8}" \times$	72 x	288	2206.08
		384	2941.44
	84 x	120	1072.4
		144	1286.88
		240	2144.8
		288	2573.76
	96 x	120	1225.6
		144	1470.72
		240	2451.2
		288	2941.44
	120 x	384	3921.92
		480	6128.0
$\frac{1}{2}" = 0.5" = 20.42 \text{ lbs. per sq. ft.}$			
$\frac{1}{2}" \times$	48 x	96	653.444
		120	816.8
		144	980.16
		240	1633.6
		288	1960.32
	60 x	120	1021.0
		144	1225.2
		240	2042.0
		288	2450.4
	72 x	120	1225.2
		144	1470.24
		240	2450.4
		288	2940.48
	84 x	384	3920.64
		120	1429.4
		144	1715.28
		240	2858.8
	96 x	288	3430.56
		384	4574.28
		120	1633.6
		144	1960.32
	120 x	240	3267.2
		288	3920.64
		384	5227.52
480		8168.0	
$\frac{5}{8}" = 0.625" = 25.53 \text{ lbs. per sq. ft.}$			
$\frac{5}{8}" \times$	48 x	96	816.96
		120	1021.2

Size in Inches		Weight Per Plate		
$\frac{5}{8}" = 0.625" = 25.53 \text{ lbs. per sq. ft.}$				
$\frac{5}{8}" \times$	48 x	144	1225.44	
		240	2042.4	
		288	2450.88	
	60 x	120	1276.5	
		144	1837.8	
		240	2553.0	
	72 x	288	3063.6	
		120	1531.8	
		144	1838.16	
	96 x	240	3063.6	
		288	3676.32	
		384	4901.76	
120		2042.4		
96 x	144	2450.88		
	240	4084.8		
	288	4901.76		
	384	6535.68		
$\frac{3}{4}" = 0.75" = 30.63 \text{ lbs. per sq. ft.}$				
$\frac{3}{4}" \times$	48 x	96	980.16	
		120	1225.2	
		144	1470.24	
		240	2450.4	
		288	2940.48	
	60 x	120	1531.5	
		144	1837.8	
		240	3063.0	
		288	3675.6	
	72 x	120	1837.8	
		144	2205.36	
		240	3675.6	
		288	4410.72	
	96 x	384	5880.96	
		120	2540.4	
		144	2940.48	
		240	4900.8	
	120 x	288	5880.96	
		384	7841.28	
		480	12252.0	
		480	12252.0	
	$\frac{7}{8}" = 0.875" = 35.74 \text{ lbs. per sq. ft.}$			
	$\frac{7}{8}" \times$	48 x	96	1143.68
			120	1429.6

Sizes shown are not necessarily stock items and are shown for weight reference only.



ASTM A36 or A569 or CSA G40.21-44W/300W

Size in Inches		Weight Per Plate		
7/8" = 0.875" = 35.74 lbs. per sq. ft.				
7/8" x	48 x	144	1715.52	
		240	2859.2	
		288	3431.04	
	60 x	120	1787.0	
		144	2144.0	
		240	3574.0	
	96 x	288	5146.56	
		120	2859.2	
		144	3431.04	
		240	5718.4	
		288	6862.08	
	384	9149.44		
1" = 1.0" = 40.84 lbs. per sq. ft.				
1" x	48 x	96	1306.88	
		120	1633.8	
		144	1960.32	
		240	3267.2	
	60 x	288	3920.64	
		120	2042.0	
		144	2450.4	
		240	4084.0	
	72 x	288	4900.8	
		120	2450.4	
		144	2940.48	
		240	4900.8	
		288	5880.96	
	96 x	384	7841.28	
		120	3267.2	
		144	3920.64	
		240	6534.4	
		288	7841.28	
	120 x	384	10455.04	
		240	8168.0	
	480	16336.0		
	1 1/8" = 1.125" = 45.95 lbs. per sq. ft.			
	1 1/8" x	48 x	96	1470.4
		96 x	288	8822.4
1 1/4" = 1.25" = 51.05 lbs. per sq. ft.				
1 1/4" x	48 x	96	1633.6	
	60 x	240	5105.0	
	72 x	288	7351.2	

Size in Inches		Weight Per Plate	
1 1/4" = 1.25" = 51.05 lbs. per sq. ft.			
1 1/4" x	96 x	288	9801.6
	120 x	240	10210.0
1 3/8" = 1.375" = 56.16 lbs. per sq. ft.			
1 3/8" x	96 x	288	10782.72
1 1/2" = 1.5" = 61.26 lbs. per sq. ft.			
1 1/2" x	48 x	96	1960.32
		240	6126.0
	60 x	288	7351.2
		288	8821.44
	96 x	240	9801.6
		288	11761.92
120 x	480	24504.0	
1 5/8" = 1.625" = 66.36 lbs. per sq. ft.			
1 5/8" x	96 x	240	10618.0
1 3/4" = 1.75" = 71.47 lbs. per sq. ft.			
1 3/4" x	48 x	96	2287.04
		240	7147.0
	72 x	240	8576.4
		288	10291.68
96 x	288	13722.24	
2" = 2.0" = 81.68 lbs. per sq. ft.			
2" x	48 x	96	2613.76
		240	8168.0
	72 x	240	9801.6
		288	11761.92
	96 x	240	13068.8
288	15682.56		
2 1/4" = 2.25" = 91.89 lbs. per sq. ft.			
2 1/4" x	96 x	240	14702.4
2 1/2" = 2.5" = 102.1 lbs. per sq. ft.			
2 1/2" x	96 x	240	16336.0
2 3/4" = 2.75" = 112.3 lbs. per sq. ft.			
2 3/4" x	96 x	240	17968.0
3" = 3.0" = 122.5 lbs. per sq. ft.			
3" x	96 x	240	19600.0
3 1/2" = 3.5" = 142.9 lbs. per sq. ft.			
3 1/2" x	96 x	192	15433.2
		240	22864.0
4" = 4.0" = 163.4 lbs. per sq. ft.			
4" x	96 x	192	20915.2

Sizes shown are not necessarily stock items and are shown for weight reference only.

STEEL PLATES



Steel Plates

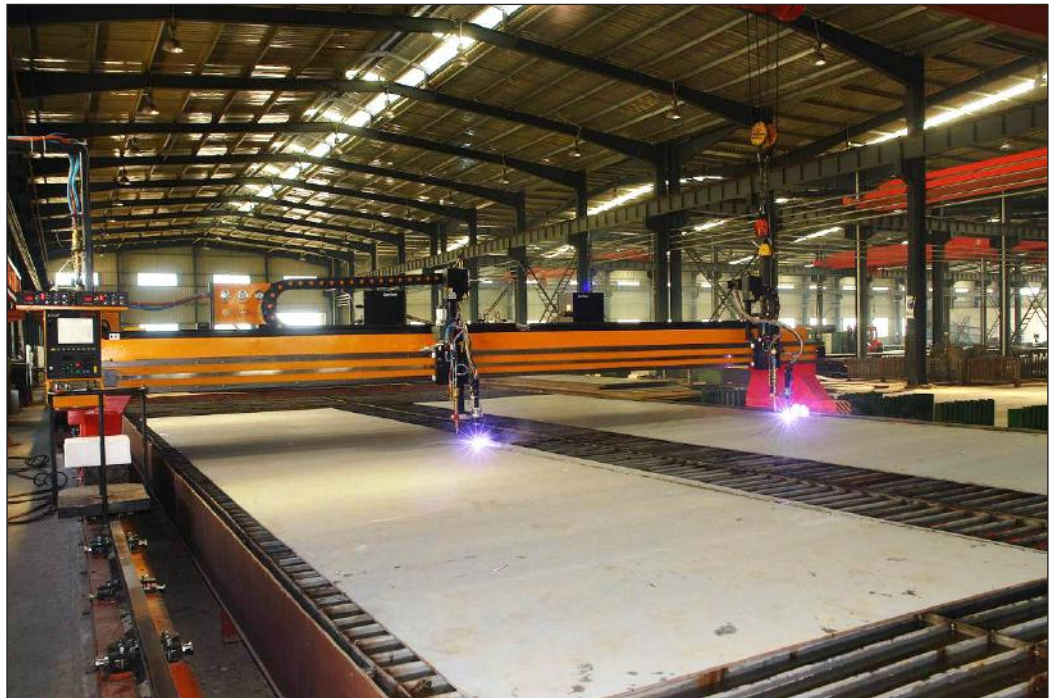
ASTM A36 or A569 or CSA G40.21-44W/300W

Size in Inches			Weight Per Plate
4½" = 4.5" = 183.8 lbs. per sq. ft.			
4½" x	96 x	144	17644.0
5" = 5.0" = 204.2 lbs. per sq. ft.			
5" x	96 x	144	19603.0
5½" = 4.5" = 183.8 lbs. per sq. ft.			
5½" x	96 x	120	17968.8
6" = 6.0" = 245.0 lbs. per sq. ft.			
6" x	96 x	120	19600.0
6½" = 6.5" = 252.2 lbs. per sq. ft.			
6½" x	96 x	120	21216.0
7" = 7.0" = 286.0 lbs. per sq. ft.			
7" x	96 x	96	18304.0

PLATE SPECIFICATIONS	
ASTM A36	
A general purpose structural steel plate combining a 36,000 p.s.i. minimum yield with good weldability.	
<u>P.S.I. Tensile</u> 58 - 80,000	<u>P.S.I. Yield</u> 36,000 (min.)
G40.21-44W/300W	
A structural quality steel plate suitable for general welded construction. Used primarily for normal building construction where shop and field welding is to be used.	
<u>P.S.I. Tensile</u> 65 - 90,000	<u>P.S.I. Yield</u> 44,000 (min.)

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We can flame cut to special lengths or widths.
Please contact our Sales Department.



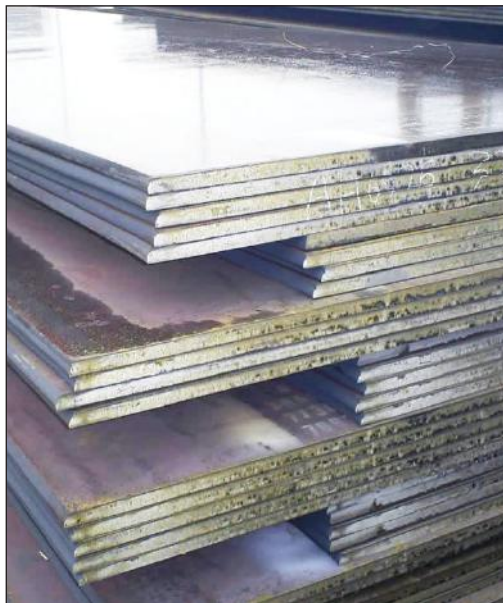
Size in Inches		Weight Per Plate	
$\frac{3}{16}'' = 0.1875'' = 7.66$ lbs. per sq. ft.			
$\frac{3}{16}''$ x	48 x	96	245.12
		120	306.4
		240	612.8
	72 x	144	551.52
		288	1103.04
$\frac{1}{4}'' = 0.25'' = 10.21$ lbs. per sq. ft.			
$\frac{1}{4}''$ x	48 x	96	326.72
		120	408.4
		144	490.08
		240	816.8
	72 x	288	980.16
		144	735.12
		288	1470.24
	96 x	120	816.8
		240	1633.6
	$\frac{3}{8}'' = 0.375'' = 15.32$ lbs. per sq. ft.		
$\frac{3}{8}''$ x	48 x	96	490.24
		120	612.8
		240	1225.6
	72 x	144	1103.04
		288	2206.08
	96 x	120	1225.6
		240	2451.2
$\frac{1}{2}'' = 0.5'' = 20.42$ lbs. per sq. ft.			
$\frac{1}{2}''$ x	48 x	96	653.44
		120	816.8
		240	1633.6
	60 x	120	1021.0
		240	2042.0
	72 x	120	1225.2
		240	2450.4
	96 x	120	1633.6
240		3267.2	
$\frac{5}{8}'' = 0.625'' = 25.53$ lbs. per sq. ft.			
$\frac{5}{8}''$ x	48 x	96	816.96
		120	1021.2
		240	2042.4
	72 x	240	3063.6
		120	2042.4
	96 x	240	4084.8

Size in Inches		Weight Per Plate	
$\frac{3}{4}'' = 0.75'' = 30.63$ lbs. per sq. ft.			
$\frac{3}{4}''$ x	48 x	96	980.16
		120	1225.2
		240	2450.4
	72 x	240	3675.6
		120	2450.4
96 x	240	4900.8	
	$1'' = 1.0'' = 40.84$ lbs. per sq. ft.		
1" x	48 x	96	1306.88
		120	1633.6
		240	3267.2
	72 x	240	4900.8
		120	3267.2
	96 x	240	6534.4

TYPICAL CHEMICAL ANALYSIS

C.	P.	S.	Si.	Mn.
0.36 - 0.44	0.04 Max.	0.05 Max.	0.15 - 0.3	1.35 - 1.65

Guidelines to physical properties of AR plates can be furnished on request.



Sizes shown are not necessarily stock items and are shown for weight reference only.

Abrasion Resistant Plates



Carbon Plates

ASTM A572 - 50 or CSA G40.21 - 350W

Size in Inches			Weight Per Plate
$\frac{1}{4}'' = 0.25'' = 10.21$ lbs. per sq. ft.			
$\frac{1}{4}''$ x	96 x	288	1960.32
$\frac{5}{16}'' = 0.3125'' = 12.76$ lbs. per sq. ft.			
$\frac{5}{16}''$ x	96 x	288	2449.92
$\frac{3}{8}'' = 0.375'' = 15.32$ lbs. per sq. ft.			
$\frac{3}{8}''$ x	96 x	288	2941.44
$\frac{1}{2}'' = 0.5'' = 20.42$ lbs. per sq. ft.			
$\frac{1}{2}''$ x	96 x	288	3920.64
$\frac{5}{8}'' = 0.625'' = 25.53$ lbs. per sq. ft.			
$\frac{5}{8}''$ x	96 x	288	4901.76
$\frac{3}{4}'' = 0.75'' = 30.63$ lbs. per sq. ft.			
$\frac{3}{4}''$ x	96 x	288	5880.96
	120 x	288	7351.2

Size in Inches			Weight Per Plate
$\frac{7}{8}'' = 0.875'' = 35.74$ lbs. per sq. ft.			
$\frac{7}{8}''$ x	96 x	288	6862.08
$1'' = 1.0'' = 40.84$ lbs. per sq. ft.			
1" x	96 x	288	7841.28
$1\frac{1}{4}'' = 1.25'' = 51.05$ lbs. per sq. ft.			
1 $\frac{1}{4}''$ x	96 x	288	9801.6
	120 x	288	12252.0
$1\frac{1}{2}'' = 1.5'' = 61.26$ lbs. per sq. ft.			
1 $\frac{1}{2}''$ x	96 x	288	11791.92
$2'' = 2.0'' = 81.68$ lbs. per sq. ft.			
2" x	96 x	288	15682.56
$2\frac{1}{2}'' = 2.5'' = 102.1$ lbs. per sq. ft.			
2 $\frac{1}{2}''$ x	96 x	288	19603.2

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MECHANICAL PROPERTIES

A high strength structural steel plate for general welded construction.
Used primarily for building and bridge construction.

	Yield Min.	Tensile Min.
A572-50	50 KSI (345 MPa)	65 KSI (450 MPa)
G40.21-350W	50 KSI (345 MPa)	65/95 KSI (450/650 MPa)



Regular Quality (Structural)
Conforming to ASTM A514 Mechanical Properties

Size in Inches			Weight Per Plate
$\frac{3}{16}'' = .1875'' = 7.66$ lbs. per sq. ft.			
$\frac{3}{16}''$ x	96 x	240	1225.60
$\frac{1}{4}'' = .250'' = 10.21$ lbs. per sq. ft.			
$\frac{1}{4}''$ x	48 x	96	326.72
	96 x	288	1960.32
$\frac{5}{16}'' = .3125'' = 12.76$ lbs. per sq. ft.			
$\frac{5}{16}''$ x	96 x	288	2449.92
$\frac{3}{8}'' = .375'' = 15.32$ lbs. per sq. ft.			
$\frac{3}{8}''$ x	48 x	96	490.24
	96 x	288	2941.44
$\frac{1}{2}'' = .500'' = 20.42$ lbs. per sq. ft.			
$\frac{1}{2}''$ x	48 x	96	653.44
	96 x	288	3920.64
$\frac{5}{8}'' = .625'' = 25.53$ lbs. per sq. ft.			
$\frac{5}{8}''$ x	48 x	96	816.96
	96 x	288	4901.76
$\frac{3}{4}'' = .750'' = 30.63$ lbs. per sq. ft.			
$\frac{3}{4}''$ x	48 x	96	980.16
	96 x	288	5880.96
$1'' = 1.000'' = 40.84$ lbs. per sq. ft.			
$1''$ x	48 x	96	1306.88
	96 x	288	7841.28

Size in Inches			Weight Per Plate
$1\frac{1}{4}'' = 1.250'' = 51.05$ lbs. per sq. ft.			
$1\frac{1}{4}''$ x	48 x	96	1633.60
	96 x	288	9801.60
$1\frac{1}{2}'' = 1.500'' = 51.26$ lbs. per sq. ft.			
$1\frac{1}{2}''$ x	48 x	96	1960.32
	96 x	288	11761.92
$1\frac{3}{4}'' = 1.750'' = 71.47$ lbs. per sq. ft.			
$1\frac{3}{4}''$ x	96 x	288	13722.00
$2'' = 2.000'' = 81.68$ lbs. per sq. ft.			
$2''$ x	48 x	96	2613.76
	96 x	288	15682.00
$2\frac{1}{4}'' = 2.250'' = 91.89$ lbs. per sq. ft.			
$2\frac{1}{4}''$ x	96 x	288	17642.00
$2\frac{1}{2}'' = 2.500'' = 102.1$ lbs. per sq. ft.			
$2\frac{1}{2}''$ x	96 x	288	19603.20
$2\frac{3}{4}'' = 2.750'' = 112.3$ lbs. per sq. ft.			
$2\frac{3}{4}''$ x	96 x	288	21561.60
$3'' = 3.000'' = 122.5$ lbs. per sq. ft.			
$3''$ x	96 x	240	16336.00
$3\frac{1}{2}'' = 3.500'' = 142.9$ lbs. per sq. ft.			
$3\frac{1}{2}''$ x	96 x	240	22864.00
$4'' = 4.000'' = 163.4$ lbs. per sq. ft.			
$4''$ x	72 x	144	11764.00

Brinell Quality (Impact and Abrasion)
Conforming to ASTM A514 Mechanical Properties 400F

Size in Inches			Weight Per Plate
$\frac{3}{16}'' = 0.1875'' = 7.66$ lbs. per sq. ft.			
$\frac{3}{16}''$ x	96 x	288	1470.72
$\frac{1}{4}'' = 0.25'' = 10.21$ lbs. per sq. ft.			
$\frac{1}{4}''$ x	48 x	96	326.72
	96 x	288	1960.32
$\frac{3}{8}'' = 0.375'' = 15.32$ lbs. per sq. ft.			
$\frac{3}{8}''$ x	48 x	96	490.24
	96 x	288	2941.44
$\frac{1}{2}'' = 0.5'' = 20.42$ lbs. per sq. ft.			
$\frac{1}{2}''$ x	48 x	96	653.44
	96 x	288	3920.64
$\frac{5}{8}'' = 0.625'' = 25.53$ lbs. per sq. ft.			
$\frac{5}{8}''$ x	96 x	288	4901.76

Size in Inches			Weight Per Plate
$\frac{3}{4}'' = 0.75'' = 30.63$ lbs. per sq. ft.			
$\frac{3}{4}''$ x	96 x	288	5880.96
$1'' = 1.0'' = 40.84$ lbs. per sq. ft.			
$1''$ x	48 x	96	1306.88
	96 x	288	7841.28
$1\frac{1}{4}'' = 1.25'' = 51.05$ lbs. per sq. ft.			
$1\frac{1}{4}''$ x	96 x	288	9801.6
$1\frac{1}{2}'' = 1.5'' = 61.26$ lbs. per sq. ft.			
$1\frac{1}{2}''$ x	96 x	288	11761.9
$1\frac{3}{4}'' = 1.75'' = 71.47$ lbs. per sq. ft.			
$1\frac{3}{4}''$ x	96 x	288	13722.24
$2'' = 2.0'' = 81.68$ lbs. per sq. ft.			
$2''$ x	96 x	288	15682.56

Please refer to the Chemical and Mechanical Properties Chart.

Quenched and Tempered Alloy Steel Plates





Brinell Quality (Impact and Abrasion)
Conforming to ASTM A514 Mechanical Properties 450F

Size in Inches			Weight Per Plate
$\frac{1}{4}'' = 0.25'' = 10.21$ lbs. per sq. ft.			
$\frac{1}{4}''$ x	96 x	288	1960.32
$\frac{3}{8}'' = 0.375'' = 15.32$ lbs. per sq. ft.			
$\frac{3}{8}''$ x	96 x	288	2941.44
$\frac{1}{2}'' = 0.5'' = 20.42$ lbs. per sq. ft.			
$\frac{1}{2}''$ x	96 x	288	3920.64

Size in Inches			Weight Per Plate
$\frac{3}{4}'' = 0.75'' = 30.63$ lbs. per sq. ft.			
$\frac{3}{4}''$ x	96 x	288	5880.96
$1'' = 1.0'' = 40.84$ lbs. per sq. ft.			
1" x	96 x	288	7841.28

Brinell Quality (Impact and Abrasion)
Conforming to ASTM A514 Mechanical Properties 500F

Size in Inches			Weight Per Plate
$\frac{3}{8}'' = 0.375'' = 15.32$ lbs. per sq. ft.			
$\frac{3}{8}''$ x	96 x	288	2941.44
$\frac{1}{2}'' = 0.5'' = 20.42$ lbs. per sq. ft.			
$\frac{1}{2}''$ x	96 x	288	3920.64
$\frac{5}{8}'' = 0.625'' = 25.53$ lbs. per sq. ft.			
$\frac{5}{8}''$ x	96 x	288	4901.76
$\frac{3}{4}'' = 0.75'' = 30.63$ lbs. per sq. ft.			
$\frac{3}{4}''$ x	96 x	288	5880.96

Size in Inches			Weight Per Plate
$1'' = 1.0'' = 40.84$ lbs. per sq. ft.			
1" x	96 x	288	7841.28
$1\frac{1}{4}'' = 1.25'' = 51.05$ lbs. per sq. ft.			
$1\frac{1}{4}''$ x	96 x	288	9801.6
$1\frac{1}{2}'' = 1.5'' = 61.26$ lbs. per sq. ft.			
$1\frac{1}{2}''$ x	96 x	288	11761.9
$2'' = 2.0'' = 81.68$ lbs. per sq. ft.			
2" x	96 x	288	15682.56

Please refer to the Chemical and Mechanical Properties Chart.

Sizes shown are not necessarily stock items and are shown for weight reference only.



Quenched and Tempered Alloy Steel Plates



Chemical and Mechanical Properties Chart

FLATNESS TOLERANCES

Due to the material being in the heat treated condition, the flatness tolerances are greater than carbon steel grades. It is suggested that Table 14 of Specification A-6 (ASTM Handbook Part 4) be reviewed, covering permissible variations for flatness.

TYPICAL CHEMICAL COMPOSITION COMPARISONS

Element	Regular Quality		Brinell Quality		ASTM A514 Grade B	ASTM A514 Grade F	ASTM A514 Grade H
	Range %	Typical %	Range %	Typical %			
Carbon	0.15 - 0.21	0.17	0.15 - 0.21	0.17	0.12 - 0.21	0.10 - 0.20	0.12 - 0.21
Manganese	0.80 - 1.30	1.15	0.80 - 1.30	1.15	0.70 - 1.00	0.60 - 1.00	0.95 - 1.30
Silicon	0.15 - 0.50	0.40	0.15 - 0.50	0.40	0.20 - 0.35	0.15 - 0.35	0.20 - 0.35
Molybdenum	0.40 Max.	*	0.40 Max.	*	0.15 - 0.25	0.40 - 0.60	0.20 - 0.30
Chromium	0.60 - 1.20	0.85	0.60 - 1.20	0.85	0.40 - 0.65	0.40 - 0.65	0.40 - 0.65
Boron	0.0005 - 0.006	0.002	0.0005 - 0.006	0.002	0.0005 - 0.005	0.0005 - 0.006	0.0005 - 0.006
Titanium	0.015 - 0.050	0.030	0.015 - 0.050	0.030	0.01 - 0.03	—	—
Nickel	0.03 Max.	0.020	0.30 Max.	0.020	—	0.70 - 1.00	0.30 - 0.70
Copper	0.20 Max.	0.020	0.20 Max.	0.020	—	0.15 - 0.50	—
Sulphur	0.015 Max.	0.010	0.015 Max.	0.010	0.04 Max.	0.04 Max.	0.04 Max.
Phosphorus	0.025 Max.	0.020	0.025 Max.	0.020	0.035 Max.	0.035 Max.	0.035 Max.
Vanadium	—	—	—	—	0.03 - 0.08	0.03 - 0.08	0.03 - 0.08

* Molybdenum content may vary with thickness of the plate.

TYPICAL CHEMICAL COMPOSITION COMPARISONS

Property	Regular Quality	Brinell Quality	ASTM A514
Yield Strength	620 - 690 MPa 90,000 - 100,000 psi	1345 MPa 195,000 psi	620 - 690 MPa 90,000 - 100,000 psi
Tensile Strength	720 - 790 MPa 105,000 - 115,000 psi Min 100,000 psi	1450 MPa 210,000 psi	690 - 895 MPa
Brinell Hardness	255	400 - 460 Min 400	235 - 293 (to 3/4")

Floor Plate



Commercial Quality
 Note: Thickness is measured exclusive of Projections

Size in Inches			Weight Per Plate
14 ga. = 0.0747" = 3.75 lbs. per sq. ft.			
14ga. x	48 x	120	150.0
1/8" = 0.125" = 6.15 lbs. per sq. ft.			
1/8" x	48 x	96	196.8
		120	246.0
		144	295.2
		240	492.0
	60 x	120	307.5
		240	615.0
3/16" = 0.1875" = 8.7 lbs. per sq. ft.			
3/16" x	48 x	96	278.4
		120	348.0
		144	417.6
		240	696.0
		288	835.2
	60 x	96	348.0
		120	435.0
		144	522.0
		240	870.0
		288	1044.0
		288	1044.0
	72 x	96	417.6
		120	522.0
		144	626.4
		240	1044.0
		288	1252.8
		288	1252.8
	1/4" = 0.25" = 11.25 lbs. per sq. ft.		
1/4" x	48 x	96	360.0
		120	450.0
		144	540.0
		240	900.0
		288	1080.0
	60 x	96	450.0
		120	562.5
		144	675.0
		240	1125.0
		288	1350.0
		288	1350.0
	72 x	96	540.0
		120	675.0
		144	810.0
		240	1350.0
		288	1620.0
		288	1620.0

Size in Inches			Weight Per Plate
5/16" = 0.3125" = 13.8 lbs. per sq. ft.			
5/16" x	48 x	96	441.6
		120	552.0
		144	662.4
		240	1104.0
	72 x	288	1324.8
		96	662.4
		120	828.0
		144	993.6
		240	1656.0
		288	1987.2
3/8" = 0.375" = 16.35 lbs. per sq. ft.			
3/8" x	48 x	96	523.2
		120	654.0
		144	784.8
		240	1308.0
		288	1569.6
	60 x	96	654.0
		120	817.5
		144	981.0
		240	1635.0
		288	1962.0
		288	1962.0
	72 x	96	784.8
		120	981.0
		144	1177.2
		240	1962.0
		288	2354.4
		288	2354.4
	1/2" = 0.5" = 21.45 lbs. per sq. ft.		
1/2" x	48 x	96	686.4
		120	858.0
		144	1029.6
		240	1716.0
		288	2059.2
	72 x	96	1029.6
		120	1287.0
		144	1544.4
		240	2574.0
		288	3088.8
		288	3088.8

Sizes shown are not necessarily stock items and are shown for weight reference only.