

STEEL PLATES



**PLATES
SAFETY
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SAFETY PRODUCTS



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Ordering by Sketch Number 264



STEEL PLATES
UNIVERSAL MILL
ASTM A 36 ASME SA-36
ASTM A 709 Grade 36

Random Lengths 20 Ft.
 Identification Color: Plain Ends

Size in Inches	Lbs. Per Foot	Est. Lbs. Per 20'	Size in Inches	Lbs. Per Foot	Est. Lbs. Per 20'
3/16 x 7 to 12 — See H.R. Strip Page 52			3/4 x 9	22.97	459.4
1/4 x 9	7.66	153.2	10	25.53	510.6
10	8.51	170.2	12	30.63	612.6
12	10.21	204.2	1 x 9	30.63	612.6
5/16 x 10	10.63	212.6	10	34.03	680.6
3/8 x 9	11.49	229.8	12	40.84	816.8
10	12.77	255.4	1 1/2 x 10	51.05	1021.0
12	15.32	306.4	12	61.26	1225.2
1/2 x 9	15.32	306.4			
10	17.02	340.4			
12	20.42	408.4			



STEEL PLATES
METRIC

EX-TEN® 50 or
ASTM A 572 Grade 50, ASTM A 709 Grade 50

Chemical Composition and Mechanical Properties, Page 253
 Identification Color: Orange and Blue

10 mm x 1829 mm x 6096 mm	78.51 kg.
(.3937" x 72" x 240")	(16.08#)
12 mm x 1829 mm x 6096 mm	94.18 kg.
(.4724" x 72" x 240")	(19.29#)
20 mm x 1829 mm x 6096 mm	157.02 kg.
(.7874" x 72" x 240")	(32.16#)

Metric/English conversion: mm x .03937 = in. kg x 2.2046 = lb

STEEL PLATES



**COMMERCIAL*
QUALITY
ASTM A 830**

**ASTM A 36
ASME SA-36
ASTM A 709 Grade 36**

**1045
ASTM A 830**

Chemical Composition and Mechanical Properties, *Pages 252-254*

Identification Colors: Commercial Quality — No Paint

A 36 — Green and White

1045 — Brown

Size in Inches	Lbs. Per Sq. Ft.	Est. Lbs. Per Foot	Commercial Quality	ASTM A 36	1045	
36 to 72 — Also see H.R. Sheets, page 32						
3/16 x	48	7.66	30.64	X**	X**	
	60		38.30	X**	X**	
	72		45.96	X	X	
	84		53.62	X	X	
	96		61.28	X	X	
	120		76.60		X	
1/4 x	36	10.21	30.63	X**		
	48		40.84	X**	X**	
	60		51.05	X**	X**	
	72		61.26	X**	X	
	84		71.47	X	X	
	96		81.68	X	X	
5/16 x	36	12.76	38.28	X		
	48		51.04	X**	X	
	60		63.80	X**	X**	
	72		76.56	X**		
	84		89.32	X		
	96		102.08	X	X	
3/8 x	36	15.32	45.96	X		
	48		61.28	X**	X**	
	60		76.60	X**	X**	
	72		91.92	X	X	
	84		107.24	X	X	
	96		122.56	X	X	
7/16 x	96	17.87	142.96		X	
	1/2 x	36	20.42	61.26	X	X**
		48		81.68	X**	X**
		60		102.10	X**	X**/†
		72		122.52	X†	X
		84		142.94	X	X
96			163.36	X	X	
9/16 x	84	22.97	160.79		X†	

*Also known as Regular Quality or Mild Steel

Continued on following page

**Also Pickled & Oiled

†Also Pickled & Oiled Cat Spec 1E0166



STEEL PLATES

COMMERCIAL*
QUALITY
ASTM A 830

ASTM A 36
ASME SA-36
ASTM A 709 Grade 36

1045
ASTM A 830

Chemical Composition and Mechanical Properties, *Pages 252-254*

Identification Colors: Commercial Quality — No Paint

A 36 — Green and White

1045 — Brown

Continued from preceding page

	Size in Inches	Lbs. Per Sq. Ft.	Est. Lbs. Per Foot	Commercial Quality	ASTM A 36	1045
5/8	x 48	25.53	102.12	X	X	
	60		127.65	X**	X	
	72		153.18	X	X	X
	84		178.71		X	X
	96		204.24		X†	X
	120		255.30		X	
3/4	x 48	30.63	122.52	X	X	X
	60		153.15	X	X	
	72		183.78	X	X	
	84		214.41		X	
	96		245.04		X†	
	120		306.30		X†	
7/8	x 60	35.74	178.70		X	
	72		214.44		X	
	96		285.92		X	
1	x 48	40.84	163.36		X	X
	60		204.20		X†	
	72		245.04		X	
	84		285.88		X	
	96		326.72		X†	X
	120		408.40		X	
1 1/8	x 60	45.95	229.75		X	
	84		321.65		X	
	96		367.60		X	X
1 1/4	x 48	51.05	204.20		X	
	60		255.25		X	
	72		306.30		X	
	84		357.35		X	
	96		408.40		X	X
	120		510.50		X	
1 3/8	x 60	56.16	280.80		X	
	84		393.12		X	
	96		449.28		X	

*Also known as Regular Quality or Mild Steel

Continued on following page

**Also Pickled & Oiled

† Ipsco/SSAB NA also available

STEEL PLATES



**COMMERCIAL*
QUALITY
ASTM A 830**

**ASTM A 36
ASME SA-36
ASTM A 709 Grade 36**

**1045
ASTM A 830**

Chemical Composition and Mechanical Properties, *Pages 252-254*

Identification Colors: Commercial Quality — No Paint
A 36 — Green and White
1045 — Brown

Continued from preceding page

	Size in Inches	Lbs. Per Sq. Ft.	Est. Lbs. Per Foot	Commercial Quality	ASTM A 36	1045
1 1/2	x	48 . . .	61.26 . .	245.04	X	
		60		306.30	X	
		72		367.56	X	
		84		428.82	X	
		96		490.08	X	X
	120		612.60	X		
1 5/8	x	60 . . .	66.37 . . .	331.85	X	
		96		530.96	X	X
1 3/4	x	60 . . .	71.47 . . .	357.35	X	
		72		428.82	X	
		84		500.29	X	
		96		571.76	X	X
2	x	60 . . .	81.68 . . .	408.40	X	
		72		490.08	X	
		84		571.76	X	
		96		653.44	X	X
2 1/4	x	60 . . .	91.89 . . .	459.45	X	
		96		735.12	X	
2 1/2	x	60 . . .	102.10 . .	510.50	X	
		96		816.80	X	
3	x	60 . . .	122.52 . .	612.60	X	
		96		980.16	X	
3 1/4	x	96	132.73	1061.84	X	
3 1/2	x	96	142.94 . .	1143.52	X	
3 3/4	x	96	153.15 . .	1225.20	X	
4	x	96	163.36 . .	1306.88	X	
4 1/4	x	96	173.57 . .	1388.56	X	
4 1/2	x	96	183.78 . .	1470.24	X	
5	x	96	204.20 . .	1633.60	X	
5 1/4	x	96	214.41 . .	1715.28	X	
5 1/2	x	96	224.62 . .	1796.96	X	
6	x	96	245.04 . .	1960.32	X	
7	x	96	285.88 . .	2287.04	X	
8	x	96	326.72 . .	2613.76	X	

*Also known as Regular Quality or Mild Steel



STEEL PLATES HOT ROLLED SCS® *†

**Commercial Quality, ASTM A 830
ASTM A 36, ASME SA-36, ASTM A 709 Grade 36**

The SCS process cleans as-rolled (HR) material to produce an extremely clean surface, which approximates a cold rolled finish that also resists rust without oil or preservatives.

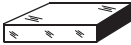
Identification Colors: Commercial Quality — No Paint
ASTM A 36 — Green and White

	Size in Inches	Lbs. Per Sq. Ft.	Est. Lbs. Per Foot	CQ	ASTM A 36	
3/16	x 48	. . . .7.66	. . . .30.64	. . . . .X	
				38.30	X	X
1/4	x 48	. . . .10.21	. . . .40.84	. . . . .X	. . . . .X	
				51.05	X	X
				61.26	X	. .
5/16	x 60	. . . .12.76	. . . .63.80	. . . . .X	. . . . .X	
3/8	x 48	. . . .15.32	. . . .61.28	. . . . .X	. . . . .X	
				76.60	X	X
				91.92	X	X
1/2	x 48	. . . .20.42	. . . .81.68	. . . . .X	. . . . .X	
				102.10	X	X
				122.51	. .	X

For SCS Sheets, see page 34

* Other sizes and grades are available upon request

† A patented process of The Material Works, Ltd.



STEEL PLATES HOT ROLLED HSLAS‡ SCS® *†

**Ex-Ten® 50 or ASTM A 572 Grade 50, ASTM A 709 Grade 50
ASTM A 656 Grade 80 Type 7**

The SCS process cleans as-rolled (HR) material to produce an extremely clean surface, which approximates a cold rolled finish that also resists rust without oil or preservatives.

Identification Colors: Ex-Ten or A 572 — Orange and Blue
ASTM A 656 — Green and Blue

	Size in Inches	Lbs. Per Sq. Ft.	Est. Lbs. Per Foot	Ex-Ten or ASTM A 572	ASTM A 656	
3/16	x 48	. . . .7.66	. . . .30.64	. . . . .X	
				38.30	X	. .
1/4	x 48	. . . .10.21	. . . .40.84	. . . . .X	
				51.05	X	. .
				63.80	. . . . .X	. . . . .
3/8	x 48	. . . .15.32	. . . .61.28	. . . . .X	
				76.60	X	X
				91.92	X	X
1/2	x 48	. . . .20.42	. . . .81.68	. . . . .X	. . . . .X	
				102.10	X	. .
				122.52	X	. .

For SCS Sheets, see page 34

* Other sizes and grades are available upon request

† A patented process of The Material Works, Ltd.

‡ HSLAS - High Strength Low Alloy Steel

STEEL PLATES
PRESSURE VESSEL QUALITY
AS ROLLED



ASME SA-516 Gr. 70 ASTM A 516 Gr. 70* S4.1

Chemical Composition and Mechanical Properties, *Page 253*

Identification Color: Blue and White

Size in Inches	Lbs. Per Sq. Ft.	Est. Lbs. Per Foot
3/16 x 84	7.66	53.62
1/4 x 84	10.21	71.47
		96
		81.68
5/16 x 96	12.76	102.08
3/8 x 84	15.32	107.24
7/16 x 96	17.87	142.96
1/2 x 84	20.42	142.94
		96
		163.36
5/8 x 96	25.53	204.24
		120
		255.30
3/4 x 84	30.63	214.41
		96
		245.04
7/8 x 96	35.74	285.92
1 x 96	40.84	326.72
1 1/4 x 96	51.05	408.40
1 1/2 x 96	61.26	490.08

*Subdivided marking per ASTM A 20 Para.13.5.3 unless otherwise specified



STEEL PLATES
HIGH STRENGTH LOW ALLOY
COR-TEN® or
ASTM A 588, ASTM A 709 Grade 50W

EX-TEN® 50 or
ASTM A 572 Grade 50, ASTM A 709 Grade 50

Chemical Composition and Mechanical Properties, Page 253

Identification Colors: Cor-Ten — Pink and Blue
 Ex-Ten — Orange and Blue

Size in Inches		Lbs. Per Sq. Ft.	Est. Lbs. Per Foot	Cor-Ten	Ex-Ten
3/16	x 48	7.66	30.64	X	X
	60		38.30	..	X§
	72		45.96	..	X
	96		61.28	..	X
.197	x 60	8.05	40.25		X*
	x 48	10.21	40.84		X
1/4	x 60		51.05	..	X§
	72		61.26	..	X
	84		71.47	..	X
	96		81.68	..	X
	x 48	12.76	51.04	X	X§
5/16	x 60		63.80	..	X§
	72		76.56	..	X
	84		89.32	..	X
	96		102.08	..	X
	x 60	12.86	64.30		X*
3/8	x 48	15.32	61.28	X	X§
	60		76.60	X	X§
	72		91.92	..	X§
	84		107.24	..	X
	96		122.56	X	X
.394	x 60	16.08	80.40		X*
	x 72	16.08	96.48		X§
10mm†	x 60	19.29	96.45		X*
	x 72	19.29	115.74		X§
12mm†	x 72	20.42	81.68		X§
	x 48		102.10	X	X
	60		122.52	..	X
	84		142.94	..	X
	96		163.36	X	X
	x 48	25.53	102.12		X
5/8	x 60		127.65	..	X
	72		153.18	..	X
	96		204.24	X	X
	x 48	30.63	122.52		X
3/4	x 60		153.15	..	X
	72		183.78	..	X
	84		214.41	X	X
	96		245.04	..	X
	x 96	35.74	285.92		X
1	x 84	40.84	285.88	X	X
	96		326.72	X	X
	x 84	51.05	357.35	X	
1 1/4	x 96		408.40	..	X
	x 84	61.26	428.82	X	
1 1/2	x 96		490.08	..	X
	x 96	71.47	571.76		X
2	x 96	81.68	653.44		X
	x 96	102.10	816.80		X

* Cat Spec. 1E0650

† 1 mm = .03937"

§ Also available Pickled and Oiled

HSLAS Sheets, see page 35

STEEL PLATES



HIGH STRENGTH LOW ALLOY

CleanForm® 100

DOMEX® 100XF*

ASTM A 656 Grade 80 Type 7

Chemical Composition and Mechanical Properties, Page 253

Identification Colors: CleanForm — Green and Yellow
 DOMEX — Green and Black
 ASTM A 656 — Green and Blue

Size in Inches	Lbs. Per Sq. Ft.	Est. Lbs. Per Foot	Clean Form	Domex*	ASTM A 656
3/16 x 48	7.66	30.64			X
	60	38.30	X	X	X
	72	45.96	..	..	X
1/4 x 48	10.21	40.84		X	X
	52	44.24	..	X	..
	60	51.05	..	X	X
	72	61.26	..	..	X
5/16 x 48	12.76	51.04			X
	52	55.29	..	X	..
	60	63.80	..	..	X
	72	76.56	..	..	X
3/8 x 48	15.32	61.28			X
	52	66.39	..	X**	..
	60	76.60	X	..	X
	72	91.92	..	..	X
1/2 x 48	20.42	81.68			X
	60	102.10	..	..	X
	72	122.52	..	..	X

*Produced by SSAB. Other sizes are available upon request.
 **Also Domex® 110XF (Pink and Brown) and also available SCS



STEEL PLATES ABRASION RESISTING

**MEDIUM
HARD**

**AR 400
FORMABLE**

Chemical Composition and Hardness, *Page 252*
Technical Data, *Page 256*

Identification Colors: Medium Hard — Gold
AR 400 — Green and Orange

Size in Inches	Lbs. Per Sq. Ft.	Est. Lbs. Per Foot	Medium Hard	AR 400
3/16 x 60 . . .	7.66 . .	38.30	X . . . . .	. . . . .
96		61.28	X	. .
1/4 x 48 . . .	10.21 . .	40.84	X . . . . .	. . . . .
60		51.05	X	. .
72		61.26	X	. .
96		81.68	. .	X
5/16 x 96 . . .	12.76 . .	102.08	X	X
3/8 x 48 . . .	15.32 . .	61.28	X . . . . .	. . . . .
60		76.60	X	. .
72		91.92	. .	X
84		107.24	X	. .
96		122.56	. .	X
1/2 x 60 . . .	20.42 . .	102.10	X . . . . .	. . . . .
72		122.52	. .	X
84		142.94	X	. .
96		163.36	. .	X
5/8 x 96 . . .	25.53 . .	204.24 . . . . .	. . . . .	X
3/4 x 96 . . .	30.63 . .	245.04	X	X
1 x 96 . . .	40.84 . .	326.72	X	X
1 1/4 x 84 . . .	51.05 . .	357.35 . . . . .	. . . . .	X
1 1/2 x 84 . . .	61.26 . .	428.82 . . . . .	. . . . .	X

STEEL PLATES ALLOY



**T-1® TYPE A or ASTM A 514 Gr. B
ASTM A 709 Grade 100**

**T-1® TYPE B or ASTM A 514 Gr. H
ASTM A 709 Grade 100 (4" Max)**

**T-1® or ASTM A 514 Gr. F
ASTM A 709 Grade 100 (4" Max)**

**T-1® TYPE C or ASTM A 514 Gr. Q
ASTM A 709 Grade 100 (4" Max)**

Chemical Composition and Mechanical Properties, Page 254

Identification Colors: T-1 Type A; Type B; Type C; T-1 — Red

Size in Inches	Lbs. Per Sq. Ft.	Est. Lbs. Per Foot	T-1 Type A or A514	T-1 Type B or A514	T-1 or A514	T-1 Type C or A514
3/16 x 96	7.66	61.28	X	..	..	..
1/4 x 60	10.21	51.05	X	..	..	..
96		81.68	X	..	..	..
5/16 x 96	12.76	102.08	X	..	..	..
3/8 x 96	15.32	122.56	X	..	..	..
1/2 x 84	20.42	142.94	X	..	..	..
96		163.36	X	..	..	..
5/8 x 96	25.53	204.24	X	..	..	..
3/4 x 96	30.63	245.04	X	..	..	..
7/8 x 96	35.74	285.92	X	..	..	..
1 x 84	40.84	285.88	X	..	..	..
96		326.72	X	..	..	..
1 1/4 x 84	51.05	357.35	X	..	..	..
96		408.40	X	..	..	..
1 3/8 x 96	56.16	449.28	..	X	..	..
1 1/2 x 84	61.26	428.82	..	X	..	..
96		490.08	..	X	..	..
1 3/4 x 96	71.47	571.76	..	X	..	..
2 x 96	81.68	653.44	..	X	..	..
2 1/4 x 96	91.89	735.12	..	..	X	..
2 1/2 x 96	102.10	816.80	..	..	X	..
3 x 96	122.52	980.16	..	..	..	X
3 1/2 x 96	142.94	1143.52	..	..	..	X
4 x 96	163.36	1306.88	..	..	..	X
4 1/2 x 96	183.78	1470.24	..	..	..	X
5 x 96	204.20	1633.60	..	..	..	X
6 x 96	245.04	1960.32	..	..	..	X

STEEL FLOOR PLATE
ASTM A 786 Raised Pattern
1009

	Size in Inches*		Lbs. per Sq. Ft.	Est. Lbs. Per Ft.
12 Ga.	x	48	5.25	21.00
		60		26.25
1/8	x	48	6.16	24.64
		60		30.80
		72		36.96
3/16	x	48	8.71	34.84
		60		43.55
		72		52.26
1/4	x	48	11.26	45.04
		60		56.30
		72		67.56
		84	11.26	78.82
3/8	x	60	16.37	81.85

*Thickness is measured exclusive of projections