

STEEL PLATES



PLATES
SAFETY
PRODUCTS

1045 ASTM A 830	15-17
ASTM A 36	15-17
Ipsco/SSAB	16
Pickled & Oiled	15
SCS®	18
ASTM A 709	14,15-18, 20, 23
Abrasion Resisting	
Medium Hard	22
AR 400	22
Alloy	
T-1 or ASTM A 514	23
ASTM A 709	23
Commercial Quality ASTM A 830	
Regular Quality	15-17
Mild Steel	15-17
Pickled & Oiled	15
SCS®	18
Expanded Metal	26-27
Floor Plate	24
Grating	25, 26
High Strength Low Alloy	
ASTM A 656	21
ASTM A 709	20
CleanForm® 100	21
Cor-Ten® or ASTM A 588	20
DOMEX® 100XF	21
Ex-Ten® 50 or ASTM A 572	20
SCS®	18
Metric	
Ex-Ten® 50 or ASTM A 572	14
Pressure Vessel Quality (PVQ)	
ASTM A 516	19
Universal Mill	14

SAFETY PRODUCTS



Grating	25
Expanded Metal	26-27
Planks	28, 29
Walkway	28, 29
Sheets	30
Ladder Rungs	30
Floor Plate	24,136,165

SHAPE CUTTING



Ordering by Sketch Number	264
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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
3/8 x 9	11.49	229.8	10	34.03	680.6
10	12.77	255.4	12	40.84	816.8
12	15.32	306.4	1 1/2 x 10	51.05	1021.0
1/2 x 9	15.32	306.4	12	61.26	1225.2
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
120		127.60		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
120		153.20		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
120		204.20		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†	
	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	
		96	245.04		X†	X
		120	306.30		X†	
7/8	x 60	35.74	178.70		X	
		72	214.44		X	
		96	285.92		X	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	X
1 3/4	x	60 . . . 71.47 . .	357.35		X	
		72	428.82	X		
		84	500.29		X	
		96	571.76		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	
2 3/4	x	96 . . . 112.31 . .	898.48		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.

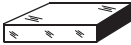
Identification Colors: Commercial Quality — No Paint
ASTM A 36 — Green and White

	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	..
5/16	x 60	... .12.76	... .63.80	... .X	...
3/8	x 48	... .15.32	... .61.28	... .X	...
			76.60	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		
		38.30		X§		
		45.96		X		
		61.28		X		
.197 x 60	8.05	40.25		X*		
	1/4 x 48	10.21	40.84		X	
			51.05		X§	
			61.26		X	
		71.47		X		
5/16 x 48	12.76	51.04	X	X§		
		63.80		X§		
		76.56		X		
		89.32		X		
.315 x 60	12.86	64.30		X*		
	3/8 x 48	15.32	61.28	X	X§	
			76.60	X	X§	
			91.92		X§	
		107.24		X		
.394 x 60	16.08	80.40		X*		
	10mm† x 72	16.08	96.48		X§	
		.472 x 60	19.29	96.45		X*
			12mm† x 72	19.29	115.74		X§
1/2 x 48				20.42	81.68		X§
				102.10	X	X
		122.52			X	
		142.94		X		
5/8 x 48	25.53	102.12		X		
		127.65		X		
		153.18		X		
		204.24	X	X		
3/4 x 48	30.63	122.52		X		
		153.15		X		
		183.78		X		
		214.41	X	X		
7/8 x 96	35.74	285.92		X		
	1 x 84	40.84	285.88	X	X	
			326.72	X	X	
		1 1/4 x 84	51.05	357.35	X	
			408.40		X	
1 1/2 x 84	61.26		428.82	X		
			490.08		X	
	1 3/4 x 96	71.47	571.76		X	
		2 x 96	81.68	653.44		X
2 1/2 x 96			102.10	816.80		X
			4 x 96	163.36	1306.83		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® 100 XF*

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
		38.30	X	X	X
		45.96	..	..	X
1/4 x 48	10.21	40.84		X	X
		44.24	..	X	..
		51.05	..	X	X
		61.26	..	..	X
5/16 x 48	12.76	51.04			X
		55.29	..	X	..
		63.80	..	..	X
		76.56	..	..	X
3/8 x 48	15.32	61.28			X
		66.39	..	X**	..
		76.60	X	..	X
		91.92	..	..	X
1/2 x 48	20.42	81.68			X
		102.10	..	..	X
		122.52	..	..	X
3/4 x 96	30.63	245.03			X

*Produced by SSAB. Other sizes are available upon request.
 **Also Domex® 110 XF (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