

# NIM GROUP

## Product & Reference Guide 2023



### Metalwest

BRIGHTON, CO  
ALBUQUERQUE, NM  
OGDEN, UT  
BOISE, ID  
LAS VEGAS, NV  
NEW CENTURY, KS  
GARLAND, TX  
MONROE TWP., NJ

### NIM

NORFOLK, NE  
DURANT, IA  
ROCK ISLAND, IL  
GREELEY, CO  
WINDSOR, CO  
EMPORIA, KS  
TULSA, OK

### *CNA Metals*

SPOKANE, WA  
COEUR D'ALENE, ID  
MISSOULA, MT

[www.nimgroup.com](http://www.nimgroup.com)

# NIM GROUP

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## **CARRY YOURSELF LIKE A PRO**

Represent our company professionally to the best of your ability. Treat our customers, coworkers, suppliers, and communities with the respect that they deserve. Adversity is met head on and worked through in a positive manner.

## **CELEBRATE SUCCESS, BUT WHAT'S NEXT?**

We are never fully satisfied. We will compete and win. We will celebrate the win while looking to our next challenge and opportunity. We are relentless in our pursuit of improvement and success. Always looking to the future.

## **EMPOWERMENT FOR THE PATH FROM A TO B**

Make the best decisions to accomplish our goals. Team members are expected to work within our values and culture to meet our customer's expectations.

This goes hand in hand with the next value. Empowerment allows us to be NIMble in our decision making, and accountability ensures that we are meeting our customer's needs.

## **ACCOUNTABILITY TO THE STANDARD**

With empowerment comes accountability. Our customers have high expectations, and it is our responsibility to meet them.

## **DECISIONS WITH A LONG-TERM HORIZON**

Our company is over 100 years old. We intend to continue to grow the company long into the future and we want decisions made with that long-term horizon in mind. We want to capitalize on short term opportunities, but never lose site of the big picture.

Dear Customer,

Since 1908, Norfolk Iron & Metal has been dedicated to you, our customers. For over 100 years, we have continually grown and expanded to better meet your steel requirements.

NIM Group was created from multiple acquisitions completed by Norfolk Iron & Metal (Norfolk Iron) to create a parent identity for each of its brands, Norfolk Iron, Metalwest, and Cd'A Metals.

NIM Group now represents three strong companies in the metals industry. We look forward to continued growth in our existing geographics and product offerings, as well as with future acquisitions.

Thank you for your past and future business. I am sure that our relationship will be long and pleasant.

Sincerely,

A handwritten signature in black ink that reads "Richard A. Robinson". The signature is written in a cursive, flowing style.

Richard A. Robinson  
Chairman & CEO  
NIM Group

# VALUE-ADDED SERVICES

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NIM Group is committed to meet the ever changing needs of our customers with our pre-fabrication capabilities.

As a company, we want to provide first-step processing of our stock steel products to all facets of the steel industry. Not only to our customers in the manufacturing, energy, industrial, automotive, irrigation, transportation, and agricultural industries, but to structural fabricators, job shops, and service centers as well.

Value-added equipment and services have been added as an important tool to meet the expectations of today's cost-cutting measures of our customer base. We have attempted to establish services and equipment to add value and provide "Just-In-Time" services to our customers.

In addition, we subcontract out additional processing services such as plate shot blasting, pickling & oiling, galvanizing and rolling of plate. Contact your nearest sales office for more information.

ALL PRODUCTS ARE SUBJECT TO AVAILABILITY AND MAY  
NOT BE AVAILABLE AT ALL LOCATIONS.

ALL DIMENSIONS AND WEIGHTS IN THIS BOOK  
ARE SUBJECT TO MILL SPECIFICATONS  
AND TOLERANCES.

INQUIRE REGARDING ANY SIZES OR  
GRADES NOT LISTED.

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CARBON



# ANGLES

# ANGLE SPECIFICATIONS

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## **Bar Size & Structural Angles**

Our stock Carbon Bar Size and Structural Angles are typically dual certified to ASTM A36 and ASTM A529 Grade 50. With minimum yield strengths of 50 KSI and maximum tensile strengths of 80 KSI, these products are ideal for structural applications.

# ANGLES - BAR SIZE

## A36/Grade 50



Size					Lbs./Ft.	Lbs./20'	Item #
A		B		C			
1/2	X	1/2	X	1/8	.38	7.60	00016
3/4	X	3/4	X	1/8	.59	11.80	00021
1	X	1	X	1/8	.80	16.00	00005
1	X	1	X	3/16	1.16	23.20	00006
1	X	1	X	1/4	1.49	29.80	00007
1 1/4	X	1 1/4	X	1/8	1.01	20.20	00009
1 1/4	X	1 1/4	X	3/16	1.48	29.60	00031
1 1/4	X	1 1/4	X	1/4	1.92	38.40	00038
1 1/2	X	1 1/2	X	3/16	1.80	36.00	00047
1 1/2	X	1 1/2	X	1/4	2.34	46.80	00063
1 1/2	X	1 1/2	X	3/8	3.35	67.00	49502
1 3/4	X	1 3/4	X	1/8	1.44	28.80	00075
1 3/4	X	1 3/4	X	3/16	2.12	42.40	00085
1 3/4	X	1 3/4	X	1/4	2.77	55.40	00089
2	X	1 1/2	X	1/8	1.44	28.80	00136
2	X	1 1/2	X	3/16	2.12	42.40	00145
2	X	1 1/2	X	1/4	2.77	55.40	00155
2	X	2	X	1/8	1.65	33.00	00166
2	X	2	X	3/16	2.44	48.80	00175
2	X	2	X	1/4	3.19	63.80	00184
2	X	2	X	5/16	3.92	78.40	00189
2	X	2	X	3/8	4.70	94.00	00210
2 1/2	X	1 1/2	X	3/16	2.44	48.80	00213
2 1/2	X	1 1/2	X	1/4	3.19	63.80	00228
2 1/2	X	2	X	3/16	2.75	55.00	00238
2 1/2	X	2	X	1/4	3.62	72.40	00249
2 1/2	X	2	X	5/16	4.50	90.00	00262
2 1/2	X	2	X	3/8	5.30	106.00	00274
2 1/2	X	2 1/2	X	3/16	3.07	61.40	00291
2 1/2	X	2 1/2	X	1/4	4.10	82.00	00326
2 1/2	X	2 1/2	X	5/16	5.00	100.00	00329
2 1/2	X	2 1/2	X	3/8	5.90	118.00	00332
2 1/2	X	2 1/2	X	1/2	7.70	154.00	01964

INQUIRE REGARDING: Other grades & sizes

# ANGLES - STRUCTURAL

## A36/Grade 50



Size					Lbs./Ft.	Lbs./20'	Item #
A		B		C			
3	x	2	x	3/16	3.07	61.40	00039
3	x	2	x	1/4	4.10	82.00	00044
3	x	2	x	5/16	5.00	100.00	00048
3	x	2	x	3/8	5.90	118.00	00052
3	x	2	x	1/2	7.70	154.00	00054
3	x	2 1/2	x	1/4	4.50	90.00	00062
3	x	2 1/2	x	3/8	6.60	132.00	00070
3	x	3	x	3/16	3.71	74.20	00079
3	x	3	x	1/4	4.90	98.00	00097
3	x	3	x	5/16	6.10	122.00	00109
3	x	3	x	3/8	7.20	144.00	00115
3	x	3	x	1/2	9.40	188.00	00137
3 1/2	x	2 1/2	x	1/4	4.90	98.00	00142
3 1/2	x	2 1/2	x	5/16	6.10	122.00	00144
3 1/2	x	2 1/2	x	3/8	7.20	144.00	00150
3 1/2	x	3	x	1/4	5.40	108.00	00156
3 1/2	x	3	x	5/16	6.60	132.00	00161
3 1/2	x	3	x	3/8	7.90	158.00	00169
3 1/2	x	3 1/2	x	1/4	5.80	116.00	00188
3 1/2	x	3 1/2	x	5/16	7.20	144.00	00197
3 1/2	x	3 1/2	x	3/8	8.50	170.00	00203
3 1/2	x	3 1/2	x	1/2	11.10	222.00	00438
4	x	3	x	1/4	5.80	116.00	00049
4	x	3	x	5/16	7.20	144.00	00056
4	x	3	x	3/8	8.50	170.00	00068
4	x	3	x	1/2	11.10	222.00	00080
4	x	3 1/2	x	1/4	6.20	124.00	00091
4	x	3 1/2	x	5/16	7.70	154.00	00104
4	x	3 1/2	x	3/8	9.10	182.00	00116
4	x	3 1/2	x	1/2	11.90	238.00	00126
4	x	4	x	1/4	6.60	132.00	00141
4	x	4	x	5/16	8.20	164.00	00149
4	x	4	x	3/8	9.80	196.00	00157
4	x	4	x	1/2	12.80	256.00	00162
4	x	4	x	3/4	18.50	370.00	20243
5	x	3	x	1/4	6.60	132.00	00275
5	x	3	x	5/16	8.20	164.00	00285
5	x	3	x	3/8	9.80	196.00	00400
5	x	3	x	1/2	12.80	256.00	00324

# ANGLES - STRUCTURAL

## A36/Grade 50



Size					Lbs./Ft.	Lbs./20'	Item #
A		B		C			
5	X	3 1/2	X	1/4	7.00	140.00	00333
5	X	3 1/2	X	5/16	8.70	174.00	00336
5	X	3 1/2	X	3/8	10.40	208.00	00339
5	X	3 1/2	X	1/2	13.60	272.00	00343
5	X	5	X	5/16	10.30	206.00	00340
5	X	5	X	3/8	12.30	246.00	00344
5	X	5	X	1/2	16.20	324.00	00348
5	X	5	X	5/8	20.00	800.00	17248
6	X	3 1/2	X	5/16	9.80	196.00	00174
6	X	3 1/2	X	3/8	11.70	234.00	00181
6	X	3 1/2	X	1/2	15.30	306.00	23401
6	X	4	X	5/16	10.30	206.00	00199
6	X	4	X	3/8	12.30	246.00	00207
6	X	4	X	1/2	16.20	324.00	00214
6	X	4	X	3/4	23.60	472.00	25783
6	X	6	X	5/16	12.40	248.00	00227
6	X	6	X	3/8	14.90	298.00	00239
6	X	6	X	1/2	19.60	392.00	00248
6	X	6	X	3/4	28.70	574.00	00256
7	X	4	X	3/8	13.60	272.00	00219
7	X	4	X	1/2	17.90	358.00	00226
8	X	4	X	1/2	19.60	392.00	00235
8	X	6	X	1/2	23.00	460.00	23731
8	X	6	X	3/4	33.80	676.00	26072
8	X	8	X	1/2	26.40	528.00	00241
8	X	8	X	3/4	38.90	778.00	23668
8	X	8	X	1	51.00	1020.00	24494

INQUIRE REGARDING: Other grades & sizes





# BAR GRATING



# BAR GRATING

(Non-serrated) Inquire for other sizes or styles.

Style			Designation	Size			Lbs./Each	Item #
1	x	3/16	PTD. 19w4	3'	x	20'	426	04997
1 1/4	x	3/16	PTD. 19w4	3'	x	20'	522	04998
1 1/2	x	3/16	PTD. 19w4	3'	x	20'	618	04999



# BEAMS

# BEAM SPECIFICATIONS

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## **Standard I Beams & Junior Beams**

Our stock in I (I Beams or S Beams) and Junior (Light Beams or M Beams) beams are typically certified to ASTM A572 Grade 50. This is an HSLA (High Strength, Low Alloy) product with a minimum yield strength of 50 KSI, a minimum tensile strength of 65 KSI, and are ideal for structural applications.

## **Wide Flange Beams**

Also known as W Beams.

Our stock Wide Flange Beams are typically certified to ASTM A992. These have the same minimum yield and tensile strength requirements as the smaller Grade 50 Beams, but also specify a 0.85 yield to tensile ratio and a maximum yield strength of 65 KSI to ensure ductility for the structural applications.

# STANDARD I BEAMS - STRUCTURAL

## Grade 50



Size	Lbs./Ft.	Flange Width	Web Thick	Lbs./20'	Lbs./40'	Lbs./50'	Lbs./60'	Item #
A		B	C					
3	5.70	2.330	.170	114	228	285	342	00134
4	7.70	2.663	.193	154	308	385	462	00069
5	10.00	3.004	.214	200	400	500	600	00082
6	12.50	3.332	.230	250	500	624	750	00088
6	17.25	3.565	.465	345	690	863	1035	00093
8	18.40	4.000	.270	368	736	920	1104	00098
8	23.00	4.171	.441	460	920	1150	1380	00102
10	25.40	4.660	.310	508	1016	1270	1524	00110
10	35.00	4.944	.594	700	1400	1750	2100	00117
12	31.80	5.000	.350	363	1272	1590	1908	30047

# JUNIOR BEAMS

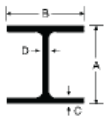
## Grade 50

Size	Lbs./Ft.	Flange Width	Web Thick	Lbs./20'	Lbs./40'	Lbs./50'	Lbs./60'	Item #
A		B	C					
6	4.40	1.844	.114	88	176	220	264	00130
8	6.50	2.281	.135	130	260	325	390	00154
10	9.00	2.688	.155	180	360	450	540	00179
12	11.80	3.063	.175	236	472	590	708	00198

INQUIRE REGARDING: Other grades & sizes

# WIDE FLANGE BEAMS

## ASTM A992

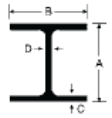


Nominal Size in Inches			Lbs./ Ft.	Depth of Section in Inches	Flange Width in Inches	Flange Thickness in Inches	Web Thickness in Inches	Item #
				A	B	C	D	
4	X	4	13.0	4.16	4.060	.345	.280	00225
5	X	5	16.0	5.00	5.000	.360	.240	01976
6	X	4	9.0	5.90	3.940	.215	.170	00236
6	X	4	12.0	6.00	4.030	.27	.230	00253
6	X	6	15.0	5.99	5.990	.260	.230	00260
6	X	6	20.0	6.20	6.018	.367	.258	00273
6	X	6	25.0	6.37	6.080	.456	.320	00279
8	X	4	10.0	7.90	3.940	.204	.170	00231
8	X	4	13.0	8.00	4.000	.254	.230	00247
8	X	4	15.0	8.12	4.015	.314	.245	00257
8	X	5 1/4	18.0	8.14	5.250	.330	.230	00261
8	X	5 1/4	21.0	8.28	5.270	.400	.250	00289
8	X	6 1/2	24.0	7.93	6.500	.398	.245	00295
8	X	6 1/2	28.0	8.06	6.540	.463	.285	00299
8	X	8	31.0	8.00	8.000	.433	.288	00302
8	X	8	35.0	8.12	8.027	.493	.315	00307
8	X	8	40.0	8.25	8.077	.558	.365	00306
8	X	8	48.0	8.50	8.117	.683	.405	24826
10	X	4	12.0	9.87	3.960	.210	.190	00259
10	X	4	15.0	10.00	4.000	.269	.230	00268
10	X	4	17.0	10.12	4.010	.329	.240	00272
10	X	4	19.0	10.25	4.020	.394	.250	00281
10	X	5 3/4	22.0	10.17	5.750	.360	.240	00298
10	X	5 3/4	26.0	10.33	5.770	.440	.260	00303
10	X	5 3/4	30.0	10.47	5.810	.510	.300	00309
10	X	8	33.0	9.75	7.964	.433	.292	00312
10	X	8	39.0	9.94	7.990	.528	.318	00314
10	X	8	45.0	10.12	8.022	.618	.350	00317
10	X	10	49.0	10.00	10.000	.558	.340	00319
12	X	4	14.0	11.91	3.970	.224	.200	00350
12	X	4	16.0	11.99	3.990	.265	.220	00353
12	X	4	19.0	12.16	4.010	.349	.240	00359
12	X	4	22.0	12.31	4.030	.424	.260	00364
12	X	6 1/2	26.0	12.22	6.490	.380	.230	00372
12	X	6 1/2	30.0	12.34	6.520	.440	.260	00399
12	X	6 1/2	35.0	12.50	6.560	.520	.300	40738
12	X	8	40.0	11.94	8.000	.516	.294	00383
12	X	8	45.0	12.06	8.042	.576	.336	02158
12	X	8	50.0	12.19	8.077	.640	.371	00384



# WIDE FLANGE BEAMS

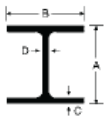
## ASTM A992



Nominal Size in Inches			Lbs./ Ft.	Wt. Lbs./20'	Wt. Lbs./30'	Wt. Lbs./40'	Wt. Lbs./50'	Wt. Lbs./60'
4	x	4	13.0	260	390	520	650	780
5	x	5	16.0	320	480	640	800	960
6	x	4	9.0	180	270	360	450	540
6	x	4	12.0	240	360	480	600	720
6	x	6	15.0	300	450	600	750	900
6	x	6	20.0	400	600	800	1000	1200
6	x	6	25.0	500	750	1000	1250	1500
8	x	4	10.0	200	300	400	500	600
8	x	4	13.0	260	390	520	650	780
8	x	4	15.0	300	450	600	750	900
8	x	5 1/4	18.0	360	540	720	900	1080
8	x	5 1/4	21.0	420	630	840	1050	1260
8	x	6 1/2	24.0	480	720	960	1200	1440
8	x	6 1/2	28.0	560	840	1120	1400	1680
8	x	8	31.0	620	930	1240	1550	1860
8	x	8	35.0	700	1050	1400	1750	2100
8	x	8	40.0	800	1200	1600	2000	2400
8	x	8	48.0	960	1440	1920	2400	2880
10	x	4	12.0	240	360	480	600	720
10	x	4	15.0	300	450	600	750	900
10	x	4	17.0	340	510	680	850	1020
10	x	4	19.0	380	570	760	950	1140
10	x	5 3/4	22.0	440	660	880	1100	1320
10	x	5 3/4	26.0	520	780	1040	1300	1560
10	x	5 3/4	30.0	600	900	1200	1500	1800
10	x	8	33.0	660	990	1320	1650	1980
10	x	8	39.0	780	1170	1560	1950	2340
10	x	8	45.0	900	1350	1800	2250	2700
10	x	10	49.0	980	1470	1960	2450	2940
12	x	4	14.0	280	420	560	700	840
12	x	4	16.0	320	480	640	800	960
12	x	4	19.0	380	570	760	950	1140
12	x	4	22.0	440	660	880	1100	1320
12	x	6 1/2	26.0	520	780	1040	1300	1560
12	x	6 1/2	30.0	600	900	1200	1500	1800
12	x	6 1/2	35.0	700	1050	1400	1750	2100
12	x	8	40.0	800	1200	1600	2000	2400
12	x	8	45.0	900	1350	1800	2250	2700
12	x	8	50.0	1000	1500	2000	2500	3000

# WIDE FLANGE BEAMS

## ASTM A992

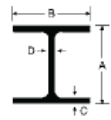


Nominal Size in Inches			Lbs./ Ft.	Depth of Section in Inches	Flange Width in Inches	Flange Thickness in Inches	Web Thickness in Inches	Item #
				A	B	C	D	
14	x	5	22.0	13.72	5.000	.335	.230	00358
14	x	5	26.0	13.89	5.025	.418	.255	00363
14	x	6 3/4	30.0	13.86	6.733	.383	.270	00367
14	x	6 3/4	34.0	14.00	6.750	.453	.287	00371
14	x	8	43.0	13.68	8.000	.528	.308	00376
16	x	5 1/2	26.0	15.65	5.500	.345	.250	00387
16	x	5 1/2	31.0	15.84	5.525	.442	.275	00389
16	x	7	36.0	15.85	6.992	.428	.299	00391
16	x	7	40.0	16.00	7.000	.503	.307	00396
18	x	6	35.0	17.71	6.000	.429	.298	00357
18	x	6	40.0	17.90	6.018	.524	.316	00370
18	x	6	46.0	18.06	6.060	.605	.360	00377
18	x	7 1/2	50.0	18.00	7.500	.570	.358	24353
21	x	6 1/2	44.0	20.66	6.500	.451	.348	24738
21	x	6 1/2	50.0	20.83	6.530	.535	.380	24359
24	x	7	55.0	23.63	7.000	.500	.395	24362

INQUIRE REGARDING: Other grades & sizes

# WIDE FLANGE BEAMS

## ASTM A992



Nominal Size in Inches			Lbs./ Ft.	Wt. Lbs./20'	Wt. Lbs./30'	Wt. Lbs./40'	Wt. Lbs./50'	Wt. Lbs./60'
14	x	5	22.0	440	660	880	1100	1320
14	x	5	26.0	520	780	1040	1300	1560
14	x	6 3/4	30.0	600	900	1200	1500	1800
14	x	6 3/4	34.0	680	1020	1360	1700	2040
14	x	8	43.0	860	1290	1720	2150	2580
16	x	5 1/2	26.0	520	780	1040	1300	1560
16	x	5 1/2	31.0	620	930	1240	1550	1860
16	x	7	36.0	720	1080	1440	1800	2160
16	x	7	40.0	800	1200	1600	2000	2400
18	x	6	35.0	700	1050	1400	1750	2100
18	x	6	40.0	800	1200	1600	2000	2400
18	x	6	46.0	920	1380	1840	2300	2760
18	x	7 1/2	50.0	1000	1500	2000	2500	3000
21	x	6 1/2	44.0	880	1320	1760	2200	2640
21	x	6 1/2	50.0	1000	1500	2000	2500	3000
24	x	7	55.0	1100	1650	2200	2750	3300

INQUIRE REGARDING: Other grades & sizes



CHANNEL

# CHANNEL SPECIFICATIONS

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## **Bar Size & Handrail Cap**

Our stock Bar Size and Handrail Cap Carbon Channel are certified to ASTM A36 at minimum. These products have a 36 KSI minimum yield strength and tensile strength range of 58-80 KSI. Some of these products may also be able to be dual certified to ASTM A529 Grade 50 with a 50 KSI minimum yield strength.

## **Junior, Ship & Car, & Structural Channel**

Our stock Junior, Ship & Car, and Structural Carbon Channel are certified to ASTM A36 and ASTM A529 Grade 50 at minimum. Some of these products may also be able to be triple certified to ASTM A572 Grade 50, having an HSLA (High Strength Low Alloy) composition that can help in applications where notch roughness (impact testing) may be required.

# CHANNEL—BAR SIZE

## ASTM A36



Size					Lbs./Ft.	Lbs./20'	Item #
A		B		C			
1	X	1/2	X	1/8	.84	16.80	00571
1 1/4	X	1/2	X	1/8	1.01	20.20	00636
1 1/2	X	1/2	X	1/8	1.12	22.40	00638
1 1/2	X	3/4	X	1/8	1.17	23.40	21792
1 1/2	X	9/16	X	3/16	1.44	28.80	00641
2	X	1/2	X	1/8	1.43	28.60	00642
2	X	9/16	X	3/16	1.86	37.20	00643
2	X	1	X	1/8	1.59	31.80	00646
2	X	1	X	3/16	2.32	46.40	01151
2 1/2	X	5/8	X	3/16	2.27	45.40	29830

## # 1606L HANDRAIL CAP CHANNEL

### ASTM A36

Size	Lbs./Ft.	Flange Width	Web Thick	Lbs./20'	Item #
A		B	C		
1 1/16 (I.D.)	1.27	.180	.200	25.40	001193

## CHANNELS —SHIP & CAR

### ASTM A36 / A529 Grade 50

Size	Lbs./Ft.	Flange Width	Web Thick	Lbs./20'	Item #	Lbs./40'	Item #
A		B	C				
4"	13.80	2.500	.500	276	00472	552	00475
6"	12	2.497	.310	240	01980	480	00626
8"	18.7	2.987	.353	374	21954	748	24990

## JUNIOR CHANNELS

### Stair Stringer Channels—ASTM A36 / Grade 50

Size	Lbs./Ft.	Flange Width	Web Thick	Lbs./20'	Item #	Lbs./40'	Item #
A		B	C				
10	8.40	1.50	.170	168	00521	336	00522
12	10.60	1.50	.190	212	00548	424	00551
12	14.30	1.50	.190	286		572	35033

# STRUCTURAL CHANNEL

## ASTM A36 / A529 Grade 50



Size	Lbs./Ft.	Flange Width	Web Thickness	Lbs./20'	Item #	Lbs./40'	Item #
A		B	C				
3 (Light Wt.)	3.50	1.375	.145	70	00430	140	00432
3	4.10	1.410	.170	82	00436	164	00441
3	5.00	1.498	.258	100	00602	200	00609
3	6.00	1.596	.356	120	00611	240	00613
4 (Light Wt.)	4.50	1.584	.158	90	00453	180	00456
4	5.40	1.580	.180	108	00457	216	00460
4	6.25	1.647	.247	125	21787	250	20884
4	7.25	1.720	.320	145	00469	290	00471
5	6.70	1.750	.190	134	00476	268	00481
5	9.00	1.885	.325	180	00484	360	00487
6	8.20	1.920	.200	164	00489	328	00491
6	10.50	2.034	.314	210	00493	420	00494
6	13.00	2.157	.437	260	00498	520	00499
7	9.80	2.090	.210	196	00500	392	00503
7	12.25	2.194	.303	245		490	31381
8	11.50	2.260	.220	230	00506	460	00508
8	13.75	2.343	.303	275	00509	550	00510
8	18.75	2.527	.487	375	00511	750	00514
9	13.40	2.430	.230	268	00518	536	00519
10	15.30	2.600	.240	306	00539	612	00540
10	20.00	2.739	.379	400	00542	800	00543
10	25.00	2.886	.526	500	00544	1000	00546
12	20.70	2.940	.280	414	00552	828	00553
12	25.00	3.047	.387	500	00555	1000	00556
12	30.00	3.170	.510	600	00558	1200	00560
15	33.90	3.400	.400	678		1356	00563

INQUIRE REGARDING: Other grades & sizes



# LETTERS SHEET

# SHEET SPECIFICATIONS

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## **Cold Rolled & Hot Rolled**

Our stock Carbon Sheet products are certified to either ASTM A1011 CS Type B for Hot Rolled and HRPO (Hot Rolled Pickled & Oiled) materials or ASTM A1008 CS Type B for Cold Rolled materials. All CS Type B products are low carbon and provide good formability and are readily weldable.

These are not tensile tested for structural use but are perfect for general applications – you just need to choose your desired finish. HRPO products come free of mill scale and an oil coating to delay any oxidation (rusting), while Cold Rolled products are “fully finished” – meaning they have been pickled, cold rolled, annealed, and lightly oiled to provide the cleanest, most consistent matte finish for highly exposed uses.

## **Aluminum**

Our stock Aluminum Sheets are primarily certified to ASTM B209 5052-H32. The 5052-H32 sheet products have very good corrosion resistance, good workability, weldability, and strength (23 KSI minimum yield strength and a range of 31-38 KSI tensile strength).

## **Electro-Galvanized**

Our stock Electro-Galvanized Sheets are certified to ASTM A879 CS Type B. This product is intended for applications where an excellent finish is required. Starting with low carbon fully-finished cold rolled substrate, this material is zinc coated by electrolytic deposition, producing a smooth dull gray matte appearance. Stamping, rolling, and forming can be done with this material with no concerns of flaking, peeling, or cracking.

## **Galvanized & Galvannealed**

Our stock Galvanized and Galvannealed Sheets are certified to ASTM A653 CS Type B. These low carbon coated products come with different coating thickness options, as well as a some extra smooth finish sizes based on your application needs. We also offer both chemically treated to help protect against corrosion (RoHS friendly chem treat is available in some sizes) and non-chemically treated, most commonly without oil applied to the surface. The CS Type B products are not intended for structural use.

## **Stainless Steel**

We stock several different types of Stainless Steel Sheets, with even more options for protection depending on your application needs, but types all are certified to ASTM A240. The Austenitic 300 series types of 301 and 304/304L are non-magnetic (but typically more formable) due to the higher nickel content, while the Ferritic 400 series types of 430 and 441 are magnetic. Finishes of at least 2B quality are standard on our stock sheet products, with a polished #4 finish also available in some sizes. Both 300 and 400 series contain at least 10.5% Chromium to provide good corrosion resistance.

# HOT ROLLED SHEET

## CS-B

Gauge	Description	Width	Length	Wt. Per Piece	Item #
16 Ga.	CS-B	60"	120"	125.00	01654
16 Ga.	CS-B TP	36"	96"	60.00	01567
16 Ga.	CS-B TP	36"	120"	75.00	01605
16 Ga.	CS-B TP	36"	144"	90.00	27561
16 Ga.	CS-B TP	48"	96"	80.00	01609
16 Ga.	CS-B TP	48"	120"	100.00	01634
16 Ga.	CS-B TP	48"	144"	120.00	01639
14 Ga.	CS-B TP	36"	96"	75.00	01523
14 Ga.	CS-B TP	36"	120"	93.75	01529
14 Ga.	CS-B TP	48"	96"	100.00	25584
14 Ga.	CS-B TP	48"	120"	125.00	25585
14 Ga.	CS-B TP	48"	144"	150.00	01540
14 Ga.	CS-B TP	60"	96"	125.00	26029
14 Ga.	CS-B TP	60"	120"	156.25	25586
14 Ga.	CS-B TP	60"	144"	187.50	01554
12 Ga.	CS-B TP	36"	96"	105.00	17940
12 Ga.	CS-B TP	36"	120"	131.25	18085
12 Ga.	CS-B TP	48"	96"	140.00	04916
12 Ga.	CS-B TP	48"	120"	175.00	01520
12 Ga.	CS-B TP	48"	144"	210.00	01524
12 Ga.	CS-B TP	60"	96"	175.00	01526
12 Ga.	CS-B TP	60"	120"	262.50	01539
12 Ga.	CS-B TP	60"	144"	437.50	02934
12 Ga.	CS-B TP	72"	96"	210.00	01546
12 Ga.	CS-B TP	72"	120"	262.50	01551
12 Ga.	CS-B TP	72"	144"	315.00	01555
12 Ga.	CS-B TP	72"	240"	525.00	02936
11 Ga.	CS-B TP	48"	96"	160.00	01496
11 Ga.	CS-B TP	48"	120"	200.00	01499
11 Ga.	CS-B TP	48"	144"	240.00	01502
11 Ga.	CS-B TP	60"	96"	200.00	01503
11 Ga.	CS-B TP	60"	120"	250.00	01506
11 Ga.	CS-B TP	60"	144"	300.00	01507
11 Ga.	CS-B TP	72"	96"	240.00	01511
11 Ga.	CS-B TP	72"	120"	300.00	01514
11 Ga.	CS-B TP	72"	144"	360.00	01518
11 Ga.	CS-B TP	72"	240"	600.00	23014
10 Ga.	CS-B ME	96"	240"	900.00	31269
10 Ga.	CS-B TP	48"	96"	180.00	01472
10 Ga.	CS-B TP	48"	120"	225.00	01477
10 Ga.	CS-B TP	48"	144"	270.00	01484
10 Ga.	CS-B TP	48"	240"	450.00	04838

# HOT ROLLED SHEET

## CS-B

Gauge	Description	Width	Length	Wt. Per Piece	Item #
10 Ga.	CS-B TP	60"	96"	225.00	01493
10 Ga.	CS-B TP	60"	144"	337.50	01497
10 Ga.	CS-B TP	60"	240"	562.50	05080
10 Ga.	CS-B TP	72"	96"	270.00	01498
10 Ga.	CS-B TP	72"	120"	337.50	01500
10 Ga.	CS-B TP	72"	144"	405.00	01508
10 Ga.	CS-B TP	72"	240"	675.00	04840
8 Ga.	CS-B TP	48"	96"	220.00	04837
8 Ga.	CS-B TP	48"	120"	275.00	05596
7 Ga.	CS-B TP	48"	96"	240.00	01455
7 Ga.	CS-B TP	48"	120"	300.00	01456
7 Ga.	CS-B TP	48"	144"	360.00	01457
7 Ga.	CS-B TP	60"	96"	300.00	01458
7 Ga.	CS-B TP	60"	144"	450.00	01462
7 Ga.	CS-B TP	72"	96"	360.00	01464
7 Ga.	CS-B TP	72"	120"	450.00	01465
7 Ga.	CS-B TP	72"	144"	540.00	01469

# HOT ROLLED P&O SHEET

## CS-B

Gauge	Description	Width	Length	Wt. Per Piece	Item #
14 Ga.	CS-B P&O	48"	120"	125.00	42748
14 Ga.	CS-B P&O TP	27"	58"	33.98	42751
14 Ga.	CS-B P&O TP	27"	60"	35.16	42752
14 Ga.	CS-B P&O TP	27"	66"	38.67	42753
14 Ga.	CS-B P&O TP	27"	90"	52.73	42756
14 Ga.	CS-B P&O TP	27"	96"	56.25	42757
14 Ga.	CS-B P&O TP	48"	96"	100.00	22256
14 Ga.	CS-B P&O TP	48"	120"	125.00	05346
14 Ga.	CS-B P&O TP	48"	144"	150.00	42761
14 Ga.	CS-B P&O TP	60"	120"	156.25	21086
12 Ga.	CS-B P&O	48"	96"	140.00	42742
12 Ga.	CS-B P&O	48"	120"	175.00	42743
12 Ga.	CS-B P&O	60"	120"	218.75	40489
12 Ga.	CS-B P&O TP	48"	96"	140.00	21805
12 Ga.	CS-B P&O TP	48"	120"	175.00	05345
12 Ga.	CS-B P&O TP	60"	96"	175.00	23954
11 Ga.	CS-B P&O	48"	98"	163.33	42727
11 Ga.	CS-B P&O	48"	120"	200.00	42728
11 Ga.	CS-B P&O	60"	120"	250.00	42732

# HOT ROLLED P&O SHEET

## CS-B

Gauge	Description	Width	Length	Wt. Per Piece	Item #
11 Ga.	CS-B P&O TP	48"	48"	80.00	42735
11 Ga.	CS-B P&O TP	48"	96"	160.00	28280
11 Ga.	CS-B P&O TP	48"	120"	200.00	21088
11 Ga.	CS-B P&O TP	60"	144"	300.00	21756
10 Ga.	CS-B P&O	48"	96"	180.00	42714
10 Ga.	CS-B P&O	48"	120"	225.00	42715
10 Ga.	CS-B P&O	48"	144"	270.00	42717
10 Ga.	CS-B P&O	60"	120"	281.25	42720
10 Ga.	CS-B P&O ME TP	60"	96"	225.00	05558
10 Ga.	CS-B P&O TP	48"	96"	180.00	21635
10 Ga.	CS-B P&O TP	48"	120"	225.00	05608
10 Ga.	CS-B P&O TP	72"	120"	337.50	05613
7 Ga.	CS-B P&O	48"	60"	150.00	42769
7 Ga.	CS-B P&O	48"	96"	240.00	42770
7 Ga.	CS-B P&O TP	48"	96"	240.00	22777
7 Ga.	CS-B P&O TP	48"	120"	300.00	17977
7 Ga.	CS-B P&O TP	60"	120"	375.00	21087
7 Ga.	CS-B P&O TP	60"	144"	450.00	21518

INQUIRE REGARDING: Cold Reduced Hot Rolled/P&O stock

# COLD ROLLED SHEET

## CS-B

Gauge	Description	Width	Length	Wt. Per Piece	Item #
24 Ga.	CS-B M&O	48"	96"	31.98	41368
24 Ga.	CS-B M&O	48"	120"	39.98	41370
22 Ga.	CS-B M&O	48"	120"	50.00	41365
20 Ga.	CS-B	48"	96"	48.00	01608
20 Ga.	CS-B	48"	120"	60.00	01610
20 Ga.	CS-B	60"	120"	75.00	31693
20 Ga.	CS-B M&O	48"	40"	20.00	41350
20 Ga.	CS-B M&O	48"	120"	60.00	44889
18 Ga.	CS-B	48"	96"	64.00	01611
18 Ga.	CS-B	48"	120"	80.00	01614
18 Ga.	CS-B	60"	120"	100.00	21346
18 Ga.	CS-B M&O	48"	40"	26.67	41337
16 Ga.	CS-B	48"	96"	80.00	01613
16 Ga.	CS-B	48"	120"	100.00	01636

# COLD ROLLED SHEET

## CS-B

Gauge	Description	Width	Length	Wt. Per Piece	Item #
16 Ga.	CS-B	60"	96"	100.00	01652
16 Ga.	CS-B	60"	120"	125.00	01658
16 Ga.	CS-B	60"	144"	150.00	01665
16 Ga.	CS-B M&O	48"	40"	33.33	41318
16 Ga.	CS-B M&O	48"	48"	40.00	41319
16 Ga.	CS-B M&O	48"	60"	50.00	41320
14 Ga.	CS-B	48"	96"	100.00	23521
14 Ga.	CS-B	48"	120"	125.00	22784
14 Ga.	CS-B	60"	120"	156.25	28164
14 Ga.	CS-B	72"	96"	150.00	31520
14 Ga.	CS-B	72"	120"	187.50	26678
14 Ga.	CS-B	72"	140"	225.00	31521
14 Ga.	CS-B M&O	36"	30"	23.44	41284
14 Ga.	CS-B M&O	36"	49"	38.28	41285
14 Ga.	CS-B M&O	48"	30"	31.25	41290
14 Ga.	CS-B M&O	48"	40"	41.67	41293
14 Ga.	CS-B M&O	48"	48"	50.00	41294
14 Ga.	CS-B M&O	48"	72"	75.00	44881
14 Ga.	CS-B M&O	48"	73"	76.04	41297
14 Ga.	CS-B M&O	48"	98"	102.08	41900
14 Ga.	CS-B M&O	60"	50"	65.10	41303
14 Ga.	CS-B M&O	60"	52"	67.71	41304
13 Ga.	CS-B M&O	48"	48"	60.02	41281
13 Ga.	CS-B M&O	48"	120"	150.04	41283
12 Ga.	CS-B	60"	120"	218.75	38874
12 Ga.	CS-B M&O	48"	40"	58.33	41270
12 Ga.	CS-B M&O	48"	96"	140.00	41272
12 Ga.	CS-B M&O	48"	120"	175.00	41273
12 Ga.	CS-B M&O	60"	144"	262.50	41276
11 Ga.	CS-B M&O	48"	48"	80.00	41260
11 Ga.	CS-B M&O	48"	96"	160.00	41262
11 Ga.	CS-B M&O	48"	120"	200.00	41263
11 Ga.	CS-B M&O	60"	120"	250.00	41264
10 Ga.	CS-B M&O	48"	40"	75.00	41247
10 Ga.	CS-B M&O	48"	96"	180.00	41248
10 Ga.	CS-B M&O	48"	120"	225.00	41249
10 Ga.	CS-B M&O	60"	120"	281.25	44878

# GALVANIZED SHEET

## CS-B

Gauge	Description	Width	Length	Wt. Per Piece	Item #
28 Ga.	CS-B G40 CTD	30"	96"	15.64	42368
28 Ga.	CS-B G40 CTD	36"	96"	18.77	42370
28 Ga.	CS-B G40 CTD	36"	120"	23.46	42371
28 Ga.	CS-B G40 CTD	48"	96"	25.02	42372
28 Ga.	CS-B G40 CTD	48"	120"	31.28	42374
26 Ga.	CS-B G60 CTD	36"	96"	21.75	42352
26 Ga.	CS-B G60 CTD	36"	120"	27.19	42353
26 Ga.	CS-B G60 CTD	48"	120"	36.25	42357
26 Ga.	CS-B G90 CTD	36"	96"	21.75	42359
26 Ga.	CS-B G90 CTD	48"	120"	36.25	42362
26 Ga.	CS-B G90 CTD	60"	120"	45.31	39611
24 Ga.	CS-B G90 CTD	48"	96"	37.00	42338
24 Ga.	CS-B G90 CTD	48"	120"	46.25	42340
24 Ga.	CS-B G90 CTD	60"	120"	57.81	39279
22 Ga.	CS-B G90 CTD	48"	51"	23.91	42322
22 Ga.	CS-B G90 CTD	48"	57"	26.72	42323
22 Ga.	CS-B G90 CTD	48"	61"	28.59	42324
22 Ga.	CS-B G90 CTD	48"	72"	33.75	42325
22 Ga.	CS-B G90 CTD	48"	76"	33.62	42326
22 Ga.	CS-B G90 CTD	48"	96"	45.00	42328
22 Ga.	CS-B G90 CTD	48"	120"	56.25	39862
22 Ga.	CS-B G90 CTD	60"	120"	70.31	39614
20 Ga.	CS-B G90 CTD	48"	40"	22.08	42310
20 Ga.	CS-B G90 CTD	48"	96"	52.99	42311
20 Ga.	CS-B G90 CTD	48"	120"	66.24	42313
20 Ga.	CS-B G90 CTD	60"	120"	82.80	42314
18 Ga.	CS-B G90 CTD	48"	96"	69.03	42298
18 Ga.	CS-B G90 CTD	48"	120"	86.28	42299
18 Ga.	CS-B G90 CTD	60"	120"	107.86	42300
18 Ga.	CS-B G90 CTD ROHS	48"	40"	28.76	42303
18 Ga.	CS-B G90 CTD ROHS	48"	96"	69.03	42304
16 Ga.	CS-B G90 CTD	36"	96"	63.72	42275
16 Ga.	CS-B G90 CTD	36"	120"	79.65	42276
16 Ga.	CS-B G90 CTD	48"	96"	84.96	42279
16 Ga.	CS-B G90 CTD	48"	120"	106.20	42280
16 Ga.	CS-B G90 CTD	60"	120"	132.75	42281
16 Ga.	CS-B G90 CTD ROHS	48"	40"	35.40	42285
16 Ga.	CS-B G90 CTD ROHS	48"	96"	84.96	42286
16 Ga.	CS-B G90 CTD ROHS	48"	120"	106.20	42287

# GALVANIZED SHEET

## CS-B

Gauge	Description	Width	Length	Wt. Per Piece	Item #
14 Ga.	CS-B G90 CTD	48"	96"	105.06	42263
14 Ga.	CS-B G90 CTD	48"	120"	131.32	42264
14 Ga.	CS-B G90 CTD	48"	144"	157.58	42265
14 Ga.	CS-B G90 CTD	60"	120"	164.15	42267
14 Ga.	CS-B G90 CTD ROHS	48"	100"	109.43	42269
14 Ga.	CS-B G90 CTD ROHS	48"	120"	131.32	42270
14 Ga.	CS-B G90 CTD XS	60"	120"	164.15	37056
12 Ga.	CS-B G90 CTD	48"	96"	145.06	42246
12 Ga.	CS-B G90 CTD	48"	120"	181.32	42247
12 Ga.	CS-B G90 CTD	60"	120"	226.65	42248
11 Ga.	CS-B G90 CTD	48"	120"	206.24	42239
11 Ga.	CS-B G90 CTD ROHS	48"	120"	206.24	42241
10 Ga.	CS-B G90 CTD	48"	96"	184.93	42234
10 Ga.	CS-B G90 CTD	48"	120"	231.16	42235
10 Ga.	CS-B G90 CTD	48"	144"	277.39	42236
10 Ga.	CS-B G90 CTD	60"	120"	288.95	42237
10 Ga.	CS-B G90 CTD XS	60"	120"	288.95	37052

# GALVANNEALED SHEET

## CS-B

Gauge	Description	Width	Length	Wt. Per Piece	Item #
24 Ga.	CS-B A60 CTD	60"	120"	57.71	41773
24 Ga.	CS-B A40 NCTD	48"	120"	46.17	41770
22 Ga.	CS-B A40 NCTD	48"	120"	56.20	41765
20 Ga.	CS-B A40 CTD	48"	96"	52.99	41752
20 Ga.	CS-B A40 NCTD	48"	120"	66.24	41757
18 Ga.	CS-B A40 CTD	60"	144"	129.47	41737
18 Ga.	CS-B A40 NCTD	48"	120"	86.31	41744
16 Ga.	CS-B A40 CTD	48"	96"	84.96	41685
16 Ga.	CS-B A40 CTD	48"	120"	106.20	41688
16 Ga.	CS-B A40 CTD	60"	123"	136.07	41694
16 Ga.	CS-B A40 CTD	60"	132"	146.03	41695
16 Ga.	CS-B A40 NCTD	48"	120"	106.20	41702
16 Ga.	CS-B A40 NCTD	60"	120"	132.75	41704
16 Ga.	CS-B A40 NCTD XS	48"	73"	64.61	41712
16 Ga.	CS-B A40 NCTD XS	48"	79"	69.92	41713
16 Ga.	CS-B A40 NCTD XS	48"	120"	106.20	41716



# GALVANNEALED SHEET

## CS-B

Gauge	Description	Width	Length	Wt. Per Piece	Item #
16 Ga.	CS-B A40 NCTD XS	50"	121"	111.51	41717
16 Ga.	CS-B A40 NCTD XS	54"	81"	80.65	41719
16 Ga.	CS-B A40 NCTD XS	55"	30"	30.42	41720
16 Ga.	CS-B A40 NCTD XS	55"	62"	62.87	41723
16 Ga.	CS-B A40 NCTD XS	55"	88"	89.24	41724
16 Ga.	CS-B A40 NCTD XS	55"	120"	121.69	41726
16 Ga.	CS-B A60 CTD ROHS	36"	120"	79.65	41732
16 Ga.	CS-B A60 CTD ROHS	48"	120"	106.20	41733
16 Ga.	CS-B A60 CTD ROHS	60"	120"	132.75	41734
14 Ga.	CS-B A40 CTD	48"	120"	131.31	41657
14 Ga.	CS-B A40 CTD	60"	60"	82.07	41659
14 Ga.	CS-B A40 CTD	60"	96"	131.31	41661
14 Ga.	CS-B A40 CTD	60"	120"	164.13	41662
14 Ga.	CS-B A40 CTD	60"	132"	180.55	41663
14 Ga.	CS-B A40 CTD	60"	144"	196.96	41664
14 Ga.	CS-B A40 NCTD	48"	96"	105.05	41666
14 Ga.	CS-B A40 NCTD	48"	120"	131.31	41667
14 Ga.	CS-B A40 NCTD	60"	120"	164.13	44922
14 Ga.	CS-B A60 CTD	60"	120"	164.13	41668
14 Ga.	CS-B A60 NCTD	48"	120"	131.31	41671
14 Ga.	CS-B A60 NCTD	60"	120"	164.13	41672
12 Ga.	CS-B A40 CTD	36"	82"	92.93	41618
12 Ga.	CS-B A40 CTD	36"	97"	109.93	41619
12 Ga.	CS-B A40 CTD	48"	96"	145.06	41620
12 Ga.	CS-B A40 CTD	48"	97"	146.57	41621
12 Ga.	CS-B A40 CTD	48"	120"	181.32	41622
12 Ga.	CS-B A40 CTD	60"	78"	147.32	41627
12 Ga.	CS-B A40 CTD	60"	97"	183.21	41629
12 Ga.	CS-B A40 CTD	60"	102"	192.65	41630
12 Ga.	CS-B A40 CTD	60"	120"	226.65	41631
12 Ga.	CS-B A40 CTD	60"	130"	245.54	41632
12 Ga.	CS-B A40 CTD	60"	144"	271.98	41633
12 Ga.	CS-B A40 NCTD	48"	85"	128.44	41638
12 Ga.	CS-B A40 NCTD	48"	96"	145.06	41641
12 Ga.	CS-B A40 NCTD	48"	100"	151.10	41642
12 Ga.	CS-B A40 NCTD	48"	120"	181.32	41645
10 Ga.	CS-B A40 CTD	60"	144"	346.75	41607

# ELECTRO-GALVANIZED SHEET

## CS-B

Gauge	Description	Width	Length	Wt. Per Piece	Item #
24 Ga.	CS-B ROHS	48"	120"	39.98	41414
22 Ga.	CS-B ROHS	48"	120"	50.01	41412
20 Ga.	CS-B ROHS	48"	120"	60.05	41408
18 Ga.	CS-B ROHS	36"	120"	59.97	41403
18 Ga.	CS-B ROHS	60"	120"	79.96	41404
18 Ga.	CS-B ROHS	48"	96"	79.96	41405
16 Ga.	CS-B ROHS	48"	120"	100.03	41399
16 Ga.	CS-B ROHS	60"	120"	125.03	41400
14 Ga.	CS-B ROHS	48"	120"	124.95	41396

COLL

# COIL SPECIFICATIONS

We stock a wide variety of coils and can provide pup coils to ID/OD/Weight, conventional leveling to length, slitting to width, blanking to size, and cold reduction temper leveling to lengths of up to 60+ feet.

Our in-house chemical, mechanical, and Charpy testing capabilities combined with ASTM involvement and rigorous material validation processes allow us to certify our coil products to the most current ASTM coil and sheet standards as well as structural plate specifications with confidence.

Please see typical stock specification and Grade information under the Sheet and Plate sections in this book.

## CARBON STEEL TOLERANCE RANGES

Carbon Steel Sheets/Hot Rolled • H.R.P. & O. Cold Rolled • Electrogalvanized				
Thickness Tolerance Ranges				
Gauge No.	Thickness, Inches			Lbs. Per Sq. Ft.
	Dec. Equiv.	Tolerance Ranges		
		H.R. & P. & O.	C.R. E.G.	
4	.2242	.2152 .2332		9.375
5	.2092	.2002 .2182		8.750
6	.1943	.1853 .2033		8.125
7	.1793	.1713 .1873		7.500
8	.1644	.1564 .1724		6.875
9	.1495	.1415 .1575		6.250
10	.1345	.1265 .1425	.1285 .1405	5.625
11	.1196	.1116 .1276	.1136 .1256	5.000
12	.1046	.0966 .1126	.0986 .1106	4.375
13	.0897	.0827 .0967	.0847 .0947	3.750
14	.0747	.0677 .0817	.0697 .0797	3.125
15	.0673	.0613 .0733	.0623 .0723	2.813
16	.0598	.0538 .0658	.0548 .0648	2.500
17	.0538	.0478 .0598	.0498 .0548	2.250
18	.0478	.0428 .0528	.0438 .0518	2.000
19	.0418		.0378 .0458	1.750
20	.0359		.0329 .0389	1.500
21	.0329		.0299 .0359	1.375
22	.0299		.0269 .0329	1.250
23	.0269		.0239 .0299	1.125
24	.0239		.0209 .0269	1.000
25	.0209		.0179 .0239	.875
26	.0179		.0159 .0199	.750
27	.0164		.0144 .0184	.688
28	.0149		.0129 .0169	.625
29	.0135		.0115 .0155	.562
30	.0120		.0110 .0130	.500

Galvanized • Galvannealed Steel Sheets			
Thickness Tolerance Ranges			
Gauge No.	Thickness, Inches		Lbs. Per Sq. Ft.
	Dec. Equiv.	Tol. Ranges	
10	.1382	.1292 .1472	5.781
11	.1233	.1143 .1323	5.156
12	.1084	.0994 .1174	4.531
13	.0934	.0854 .1014	3.906
14	.0785	.0705 .0865	3.281
15	.0710	.0650 .0770	2.969
16	.0635	.0575 .0695	2.656
17	.0575	.0525 .0625	2.406
18	.0516	.0466 .0566	2.156
19	.0456	.0406 .0506	1.906
20	.0396	.0356 .0436	1.656
21	.0366	.0326 .0406	1.531
22	.0336	.0296 .0376	1.406
23	.0306	.0266 .0346	1.281
24	.0276	.0236 .0316	1.156
25	.0247	.0217 .0287	1.031
26	.0217	.0187 .0247	.906
27	.0202	.0172 .0232	.844
28	.0187	.0157 .0217	.781
29	.0172	.0142 .0202	.719
30	.0157	.0127 .0187	.656

# HOT ROLLED COIL

## CS-B

Gauge	Grade	Width	Wt./Sq. Ft.	Item #
16 Ga.	CS-B	36"	2.500	21107
16 Ga.	CS-B	48"	2.500	01946
14 Ga.	CS-B	48"	3.125	26886
14 Ga.	CS-B TP	48"	3.125	21570
14 Ga.	CS-B	60"	3.125	26575
14 Ga.	CS-B TP	60"	3.125	21571
12 Ga.	CS-B TP	36"	4.375	21113
12 Ga.	CS-B	48"	4.375	26887
12 Ga.	CS-B	60"	4.375	26576
12 Ga.	CS-B	72"	4.375	01924
11 Ga.	CS-B	48"	5.000	29109
11 Ga.	CS-B	60"	5.000	26577
11 Ga.	CS-B	72"	5.000	01919
10 Ga.	CS-B	48"	5.625	29110
10 Ga.	CS-B	60"	5.625	26578
10 Ga.	CS-B	72"	5.625	01918
8 Ga.	CS-B	48"	6.875	01907
7 Ga.	CS-B	48"	7.500	29111
7 Ga.	CS-B	60"	7.500	26579
7 Ga.	CS-B	72"	7.500	01913

# HOT ROLLED COIL

## Grade 36

Gauge	Grade	Width	Wt./Sq. Ft.	Item #
3/16"	GR36	48"	7.660	26889
3/16"	GR36	60"	7.660	25237
3/16"	GR36	72"	7.660	01944
1/4"	GR36	48"	10.210	25069
1/4"	GR36	60"	10.210	24241
1/4"	GR36	72"	10.210	01935
5/16"	GR36	48"	12.760	01943
5/16"	GR36	60"	12.760	01951
5/16"	GR36	72"	12.760	01953
3/8"	GR36	48"	15.320	01955
3/8"	GR36	60"	15.320	01958
3/8"	GR36	72"	15.320	01960
1/2"	GR36	48"	20.420	01921
1/2"	GR36	60"	20.420	01923
1/2"	GR36	72"	20.420	01925
5/8"	GR36	48"	25.530	31969
5/8"	GR36	60"	25.530	31970
5/8"	GR36	72"	25.530	31971
3/4"	GR36	48"	30.630	31973
3/4"	GR36	60"	30.630	31974
3/4"	GR36	72"	30.630	31975

# HOT ROLLED COIL

## Grade 50

Gauge	Grade	Width	Wt./Sq. Ft.	Item #
10 Ga.	GR50	48"	5.625	30045
10 Ga.	GR50	60"	5.625	22958
10 Ga.	GR50	72"	5.625	24960
3/16"	GR50	48"	7.660	22959
3/16"	GR50	60"	7.660	22960
3/16"	GR50	72"	7.660	22961
1/4"	GR50	48"	10.210	22962
1/4"	GR50	60"	10.210	22963
1/4"	GR50	72"	10.210	28208
1/4"	GR50	96"	10.210	31977
5/16"	GR50	48"	12.760	22965
5/16"	GR50	60"	12.760	22966
5/16"	GR50	72"	12.760	22967
3/8"	GR50	48"	15.320	22968
3/8"	GR50	60"	15.320	24000
3/8"	GR50	72"	15.320	26918
3/8"	GR50	96"	15.320	31978
1/2"	GR50	48"	20.420	22969
1/2"	GR50	60"	20.420	23999
1/2"	GR50	72"	20.420	30052
1/2"	GR50	96"	20.420	31979
5/8"	GR50	60"	25.530	31980
3/4"	GR50	60"	30.630	31982
3/4"	GR50	72"	30.630	33627

# HOT ROLLED COIL

## Grade 80

Gauge	Grade	Width	Wt./Sq. Ft.	Item #
10 Ga.	GR80	60"	5.625	29956
7 Ga.	GR80	60"	7.500	27509
3/16"	GR80	60"	7.660	29950
1/4"	GR80	60"	10.210	29951
1/4"	GR80	72"	10.210	25688
5/16"	GR80	60"	12.760	29952
3/8"	GR80	48"	15.320	30553
3/8"	GR80	60"	15.320	29953
3/8"	GR80	72"	15.320	30280
1/2"	GR80	60"	20.420	28611
1/2"	GR80	72"	20.420	32785

# HOT ROLLED COIL

## Grade 100

Gauge	Grade	Width	Wt./Sq. Ft.	Item #
3/16"	GR100	60"	7.660	33633
1/4"	GR100	60"	10.210	33634
5/16"	GR100	60"	12.760	33635
3/8"	GR100	60"	15.320	33636

# HOT ROLLED P&O COIL

## CS-B

Gauge	Grade	Width	Wt./Sq. Ft.	Item #
14 Ga.	CS-B P&O ME	48"	3.125	21127
14 Ga.	CS-B P&O ME	60"	3.125	21128
14 Ga.	CS-B P&O ME TP	48"	3.125	25946
14 Ga.	CS-B P&O ME TP	60"	3.125	23247
12 Ga.	CS-B P&O ME	48"	4.375	21129
12 Ga.	CS-B P&O ME	60"	4.375	21130
12 Ga.	CS-B P&O ME TP	48"	4.375	22952
11 Ga.	CS-B P&O ME	48"	5.000	22448
11 Ga.	CS-B P&O ME	60"	5.000	30093
11 Ga.	CS-B P&O ME TP	48"	5.000	25926
11 Ga.	CS-B P&O ME TP	60"	5.000	25927
10 Ga.	CS-B P&O ME	48"	5.625	21132
10 Ga.	CS-B P&O ME	60"	5.625	21133
10 Ga.	CS-B P&O ME	72"	5.625	34582
10 Ga.	CS-B P&O ME TP	48"	5.625	22953
7 Ga.	CS-B P&O ME	48"	7.500	21139
7 Ga.	CS-B P&O ME	60"	7.500	21135
7 Ga.	CS-B P&O ME TP	48"	7.500	22954
7 Ga.	CS-B P&O TP	60"	7.500	42496
3/16"	CS-B P&O	48"	7.660	42472
3/16"	CS-B P&O TP	48"	7.660	42474
1/4"	CS-B P&O TP	48"	10.210	42482
1/4"	CS-B P&O ME	48"	10.210	21137
1/4"	CS-B P&O ME	60"	10.210	21265
3/8"	CS-B P&O ME	60"	15.320	30471
1/2"	CS-B P&O ME	60"	20.420	30426

# HOT ROLLED P&O COIL

## Grade 36

Gauge	Grade	Width	Wt./Sq. Ft.	Item #
11 Ga.	GR36 P&O TP	48"	5.000	42441
3/16"	GR36 P&O ME	60"	7.660	30325
1/4"	GR36 P&O ME	60"	10.210	30470
5/16"	GR36 P&O ME	60"	12.760	30324
3/8"	GR36 P&O ME	60"	15.320	28970
1/2"	GR36 P&O ME	60"	20.420	28971

# HOT ROLLED P&O COIL

## Grade 50

Gauge	Grade	Width	Wt./Sq. Ft.	Item #
3/16"	GR50 P&O ME	60"	7.660	33074
1/4"	GR50 P&O ME	60"	10.210	32187
5/16"	GR50 P&O ME	60"	12.760	30279
3/8"	GR50 P&O ME	60"	15.320	32191
1/2"	GR50 P&O ME	60"	20.420	30472



# COLD ROLLED COIL

## CS-B

Gauge	Grade	Width	Wt./Sq. Ft.	Item #
24 Ga.	CS-B M&O	48"	0.999	41215
22 Ga.	CS-B M&O	36"	1.249	41209
22 Ga.	CS-B M&O	48"	1.249	41211
20 Ga.	CS-B	48"	1.500	01789
20 Ga.	CS-B M&O	60"	1.500	41203
18 Ga.	CS-B M&O	24"	2.000	41140
18 Ga.	CS-B M&O	36"	2.000	41185
18 Ga.	CS-B	48"	2.000	01783
18 Ga.	CS-B	60"	2.000	21596
16 Ga.	CS-B M&O	36"	2.500	41177
16 Ga.	CS-B	48"	2.500	01776
16 Ga.	CS-B	60"	2.500	01782
16 Ga.	CS-B M&O	60"	2.500	41181
14 Ga.	CS-B M&O	36"	3.125	41166
14 Ga.	CS-B	48"	3.125	26524
14 Ga.	CS-B	60"	3.125	28152
14 Ga.	CS-B	72"	3.125	26814
13 Ga.	CS-B M&O	48"	3.750	41163
13 Ga.	CS-B M&O	60"	3.750	44858
12 Ga.	CS-B M&O	48"	4.375	41159
12 Ga.	CS-B M&O	60"	4.375	41160
11 Ga.	CS-B M&O	48"	5.000	41154
11 Ga.	CS-B M&O	60"	5.000	41155
10 Ga.	CS-B M&O	48"	5.625	41149
10 Ga.	CS-B M&O	60"	5.625	41150

# ELECTRO-GALVANIZED COIL

## CS-B

Gauge	Grade	Width	Wt./Sq. Ft.	Item #
24 Ga.	CS-B	48"	0.999	41394
22 Ga.	CS-B	48"	1.250	41319
20 Ga.	CS-B	48"	1.501	41388
20 Ga.	CS-B	60"	1.501	41389
18 Ga.	CS-B	36"	1.998	41382
18 Ga.	CS-B	48"	1.998	41383
18 Ga.	CS-B	60"	1.998	41384
16 Ga.	CS-B	36"	2.500	41376
16 Ga.	CS-B	48"	2.500	41377
16 Ga.	CS-B	60"	2.500	41378
14 Ga.	CS-B	48"	3.123	41373
14 Ga.	CS-B	60"	3.123	41374

## GALVANIZED COIL

### CS-B G40

Gauge	Description	Width	Wt./Sq. Ft.	Item #
28 Ga.	CS-B G40 CTD	36"	0.781	42212
28 Ga.	CS-B G40 CTD	48"	0.781	42214
28 Ga.	CS-B G40 CTD	49"	0.781	42215
26 Ga.	CS-B G40 CTD	36"	0.906	42123
26 Ga.	CS-B G40 CTD	60"	0.906	42125

## GALVANIZED COIL

### CS-B G60

Gauge	Description	Width	Wt./Sq. Ft.	Item #
26 Ga.	CS-B G60 CTD	36"	0.906	42136
26 Ga.	CS-B G60 CTD	48"	0.906	42138
26 Ga.	CS-B G60 CTD	60"	0.906	42139
24 Ga.	CS-B G60 CTD	48"	1.156	42088
24 Ga.	CS-B G60 CTD	60"	1.156	42089
22 Ga.	CS-B G60 CTD UL	60"	1.406	42035
20 Ga.	CS-B G60 CTD UL	60"	1.656	41994

# GALVANIZED COIL

## CS-B G90

Gauge	Description	Width	Wt./Sq. Ft.	Item #
26 Ga.	CS-B G90 CTD	36"	0.906	42123
26 Ga.	CS-B G90 CTD	48"	0.906	42148
26 Ga.	CS-B G90 CTD	49"	0.906	42149
26 Ga.	CS-B G90 CTD	60"	0.906	42151
24 Ga.	CS-B G90 BDZ	48"	1.156	42115
24 Ga.	CS-B G90 CTD	36"	1.156	42098
24 Ga.	CS-B G90 CTD UL	36"	1.156	42107
24 Ga.	CS-B G90 CTD	48"	1.156	42101
24 Ga.	CS-B G90 CTD ROHS	48"	1.156	42106
24 Ga.	CS-B G90 CTD	60"	1.156	42104
22 Ga.	CS-B G90 CTD	48"	1.406	42042
22 Ga.	CS-B G90 CTD	48 1/2"	1.406	42044
22 Ga.	CS-B G90 CTD	60"	1.406	42046
22 Ga.	CS-B G90 CTD UL	48"	1.406	42054
22 Ga.	CS-B G90 CTD UL	60"	1.406	42055
20 Ga.	CS-B G90 CTD	36"	1.656	41999
20 Ga.	CS-B G90 CTD	48"	1.656	42001
20 Ga.	CS-B G90 CTD ROHS	48"	1.656	42008
20 Ga.	CS-B G90 CTD ROHS	60"	1.656	42009
20 Ga.	CS-B G90 CTD UL	48"	1.656	42010
20 Ga.	CS-B G90 CTD UL	60"	1.656	42011
18 Ga.	CS-B G90 CTD	36"	2.157	41954
18 Ga.	CS-B G90 CTD	42"	2.157	41956
18 Ga.	CS-B G90 CTD	48"	2.157	41957
18 Ga.	CS-B G90 CTD	48 1/2"	2.157	41958
18 Ga.	CS-B G90 CTD ROHS	48"	2.157	41961
16 Ga.	CS-B G90 CTD	36"	2.655	41905
16 Ga.	CS-B G90 CTD	48"	2.655	41907
16 Ga.	CS-B G90 CTD	60"	2.655	41910
16 Ga.	CS-B G90 CTD ROHS	48"	2.655	41914
16 Ga.	CS-B G90 CTD ROHS	60"	2.655	41916
16 Ga.	CS-B G90 CTD UL	36"	2.655	44934
14 Ga.	CS-B G90 CTD	36"	3.282	41866
14 Ga.	CS-B G90 CTD	48"	3.282	41867
14 Ga.	CS-B G90 CTD	60"	3.282	41869
14 Ga.	CS-B G90 CTD ROHS	48"	3.282	41871
14 Ga.	CS-B G90 CTD ROHS	60"	3.282	44932

# GALVANIZED COIL

## CS-B G90

Gauge	Description	Width	Wt./Sq. Ft.	Item #
13 Ga.	CS-B G90 CTD ROHS	48"	3.905	41860
12 Ga.	CS-B G90 CTD	36"	4.533	41828
12 Ga.	CS-B G90 CTD	48"	4.533	41832
12 Ga.	CS-B G90 CTD	60"	4.533	41836
12 Ga.	CS-B G90 CTD XS	60"	4.533	37055
11 Ga.	CS-B G90 CTD	48"	5.156	41822
11 Ga.	CS-B G90 CTD ROHS	48"	5.156	41823
10 Ga.	CS-B G90 CTD	48"	5.778	41817
10 Ga.	CS-B G90 CTD	60"	5.778	41819

INQUIRE REGARDING: Painted galvanized stock

# GALVANNEALED COIL

## CS-B A40

Gauge	Description	Width	Wt./Sq. Ft.	Item #
30 Ga.	CS-B A40 CTD	48"	0.640	41585
26 Ga.	CS-B A40 CTD	52"	0.906	41579
24 Ga.	CS-B A40 NCTD	48"	1.154	41572
24 Ga.	CS-B A40 NCTD	60"	1.154	41573
22 Ga.	CS-B A40 CTD	48"	1.405	41561
22 Ga.	CS-B A40 CTD	60"	1.405	41562
22 Ga.	CS-B A40 NCTD	60"	1.405	41565
20 Ga.	CS-B A40 CTD	48"	1.655	41548
20 Ga.	CS-B A40 CTD	60"	1.655	41549
20 Ga.	CS-B A40 NCTD	48"	1.655	41551
20 Ga.	CS-B A40 NCTD XS	60"	1.655	41553
18 Ga.	CS-B A40 CTD	48"	2.157	41534
18 Ga.	CS-B A40 CTD	60"	2.157	41535
18 Ga.	CS-B A40 CTD ROHS	48"	2.157	41536
18 Ga.	CS-B A40 NCTD	48"	2.157	41539
18 Ga.	CS-B A40 NCTD	60"	2.157	41540
16 Ga.	CS-B A40 CTD	36"	2.655	41505
16 Ga.	CS-B A40 CTD	48"	2.655	41506
16 Ga.	CS-B A40 CTD	60"	2.655	41507
16 Ga.	CS-B A40 CTD	64"	2.655	47605
16 Ga.	CS-B A40 NCTD	48"	2.655	41516
16 Ga.	CS-B A40 NCTD	60"	2.655	41517
16 Ga.	CS-B A40 NCTD XS	48"	2.655	41520
16 Ga.	CS-B A40 NCTD XS	55"	2.655	41521
16 Ga.	CS-B A40 NCTD XS	60"	2.655	41522
14 Ga.	CS-B A40 CTD	48"	3.282	41485
14 Ga.	CS-B A40 CTD	60"	3.282	41486
14 Ga.	CS-B A40 NCTD	48"	3.282	41489
14 Ga.	CS-B A40 NCTD	60"	3.282	41491
13 Ga.	CS-B A40 CTD	48"	3.905	41482
12 Ga.	CS-B A40 NCTD	48"	4.533	41473
12 Ga.	CS-B A40 NCTD	60"	4.533	41474
12 Ga.	CS-B A40 CTD	30"	4.533	41468
12 Ga.	CS-B A40 CTD	36"	4.533	41469
12 Ga.	CS-B A40 CTD	48"	4.533	41470
12 Ga.	CS-B A40 CTD	60"	4.533	41471
11 Ga.	CS-B A40 NCTD	48"	5.155	41461
11 Ga.	CS-B A40 NCTD	60"	5.155	41462
11 Ga.	CS-B A40 CTD	48"	5.155	41459
11 Ga.	CS-B A40 CTD	60"	5.155	41460
10 Ga.	CS-B A40 NCTD	48"	5.637	41453
10 Ga.	CS-B A40 CTD	60"	5.637	41452

# GALVANNEALED COIL

## CS-B A60

Gauge	Description	Width	Wt./Sq. Ft.	Item #
24 Ga.	CS-B A60 CTD	60"	1.154	41576
18 Ga.	CS-B A60 CTD	48"	2.157	41542
18 Ga.	CS-B A60 CTD	60"	2.157	41543
18 Ga.	CS-B A60 NCTD	60"	2.157	41544
16 Ga.	CS-B A60 CTD	48"	2.655	41524
16 Ga.	CS-B A60 CTD	60"	2.655	41526
16 Ga.	CS-B A60 CTD ROHS	36"	2.655	41527
16 Ga.	CS-B A60 CTD ROHS	48"	2.655	41529
16 Ga.	CS-B A60 CTD ROHS	60"	2.655	41531
16 Ga.	CS-B A60 CTD NCTD	48"	2.655	41532
14 Ga.	CS-B A60 CTD	48"	3.282	41493
14 Ga.	CS-B A60 CTD	60"	3.282	41494
14 Ga.	CS-B A60 CTD ROHS	36"	3.282	41495
14 Ga.	CS-B A60 CTD ROHS	48"	3.282	41496
14 Ga.	CS-B A60 CTD ROHS	60"	3.282	41497
12 Ga.	CS-B A60 CTD	48"	4.533	41475
12 Ga.	CS-B A60 CTD	60"	4.533	41476
12 Ga.	CS-B A60 CTD ROHS	48"	4.533	41477
10 Ga.	CS-B A60 CTD	48"	5.637	41454
10 Ga.	CS-B A60 CTD	60"	5.637	41455

# FLOOR PLATE COIL

## CS-B ME

Gauge	Width	Wt./Sq. Ft.	Item #
14 Ga.	48"	3.750	01180
12 Ga.	48"	5.250	18454
12 Ga.	60"	5.250	01879
1/8"	48"	6.160	18453
1/8"	60"	6.160	01812
1/8"	72"	6.160	01817
3/16"	48"	8.710	01823
3/16"	60"	8.710	01825
3/16"	72"	8.710	01828
1/4"	48"	11.260	01845
1/4"	60"	11.260	01848
1/4"	72"	11.260	01860
3/8"	48"	16.370	01865
1/2"	48"	21.470	01866

# EXPANDED METAL

# EXPANDED METALS SPECIFICATIONS

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Our stock Carbon Expanded Metals conform to standard dimensional specification ASTM F1267 and are suitable for general purpose applications. These products are typically not certified to be considered for structural use.



## EXPANDED METAL

Style Designation	Lbs./ Sq. Ft.	Size of Opening in Inches		Center to Center of Bridges in Inches		Size of Strands in Inches		Item #
		Width	Length	Width	Length	Width	Length	
1/2" - 13	1.47	5/16	15/16	.500	1.2	.092	.096	04960
3/4" - 13	.80	3/4	1 11/16	.923	2.0	.096	.096	04962
3/4" - 9	1.80	11/16	1 9/16	.923	2.0	.134	.150	04964
1 1/2" - 9	1.20	1 1/8	2 3/8	1.330	3.0	.134	.134	04966
1 1/2" - 6	2.50	1	2 5/16	1.330	3.0	.198	.203	04968

## FLATTENED EXPANDED METAL

Style Designation	Lbs./ Sq. Ft.	Size of Opening in Inches		Center to Center of Bridges in Inches		Approximate Thickness of Strands in Inches	Item #
		Width	Length	Width	Length		
1/4" - 18 - 20	1.08	3/32	11/16	.255	1.031	.040	04927
1/2" - 16 - 18	.82	1/4	1	.500	1.260	.050	04929
1/2" - 13 - 15	1.40	1/4	1	.500	1.260	.070	04930
3/4" - 16 - 18 Hy	.51	3/4	1 3/4	.923	2.100	.048	04931
3/4" - 13 - 15	.75	11/16	1 25/32	.923	2.100	.070	04933
3/4" - 9 - 11	1.71	9/16	1 11/16	.923	2.120	.120	04934
1 1/2" - 9 - 11	1.14	1	2 9/16	1.330	3.200	.110	04936

## GRATINGS, SKYWALK, and WALKWAY

Style Designation	Lbs./ Sq. Ft.	Size of Opening in Inches		Center to Center of Bridges in Inches		Size of Strands in Inches		Item #
		Width	Length	Width	Length	Thick	Width	
Walkway	4.27 lb.	1	2 7/8	1.412	4.00	.250	.300	04977
Skywalk	3.14 lb.	1 5/8	4 7/8	2.000	6.00	.250	.312	18737
3.0 lb. Grating	3.00	15/16	3 7/16	1.333	5.33	.183	.264	04949
4.0 lb. Grating	4.00	15/16	3 7/16	1.333	5.33	.215	.300	04950
5.0 lb. Grating	5.00	13/16	3 3/8	1.333	5.33	.250	.331	05355
6.25 lb. Grating	6.25	13/16	3 3/8	1.410	5.33	.312	.350	05354

All dimensions and weights are approximate and are subject to mill tolerances.



# FLATS

# FLATS SPECIFICATIONS

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## **Cold Drawn Flats**

Most of our stock Carbon Cold Drawn Flats are certified to ASTM A108 Grade C1018. These low carbon products have a medium manganese content that make them readily weldable and are suitable for general purpose applications. C1018 Cold Drawn Flats also provide good case hardening and fair machinability properties. ASTM A108 products are typically not tensile tested by the producers so no yield, tensile, or elongation percentages will be shown on the test reports, only the chemical composition is required.

## **Hot Rolled Flats**

Our stock Hot Rolled Carbon Flats are certified to ASTM A36 and ASTM A529 Grade 50. With minimum yield strengths of 50 KSI and maximum tensile strengths of 80 KSI, these products are ideal for structural applications.

# COLD DRAWN FLATS

**Conforms to ASTM A108 / C1018 x 12' Lengths**

Size	Lbs./Ft.	Lbs./12'	Item #
1/4 X 2	1.70	20.40	02217
1/4 X 4	3.40	40.80	01268
3/8 X 1 1/2	1.91	22.92	01273
3/8 X 2	2.55	30.60	01274
3/8 X 3	3.825	45.90	23357
3/8 X 4	5.10	61.20	02223
1/2 X 1	1.70	20.40	01275
1/2 X 1 1/2	2.55	30.60	20077
1/2 X 2	3.40	40.80	01276
1/2 X 2 1/2	4.25	51.00	01277
1/2 X 3	5.10	61.20	01278
1/2 X 4	6.80	81.60	02226
3/4 X 1	2.55	30.60	20852
3/4 X 1 1/2	3.83	45.96	02229
3/4 X 2	5.10	61.20	01281
3/4 X 3	7.65	91.80	01282
3/4 X 4	10.20	122.40	31051
1 X 1 1/2	5.10	61.20	18361
1 X 2	6.80	81.60	20081
1 X 3	10.20	122.40	01284
1 X 4	13.60	163.20	01285
1 X 6	20.40	244.80	29949
1 1/2 X 3	15.30	183.60	19866

INQUIRE REGARDING: Other grades & sizes

# HOT ROLLED FLATS

## A36 / Grade 50

Size	Lbs./Ft.	Lbs./20'	Item #
1/4 X 1/2	.425	8.50	00516
1/4 X 3/4	.638	12.76	00538
1/4 X 1	.85	17.00	00541
1/4 X 1 1/4	1.06	21.20	00547
1/4 X 1 1/2	1.28	25.60	00550
1/4 X 1 3/4	1.49	29.80	00554
1/4 X 2	1.70	34.00	00557
1/4 X 2 1/4	1.91	38.20	00565
1/4 X 2 1/2	2.13	42.60	00567
1/4 X 2 3/4	2.34	46.80	00568
1/4 X 3	2.55	51.00	00570
1/4 X 3 1/4	2.763	55.26	28217
1/4 X 3 1/2	2.98	59.60	00574
1/4 X 4	3.40	68.00	00575
1/4 X 4 1/2	3.83	76.60	00578
1/4 X 5	4.25	85.00	00579
1/4 X 5 1/2	4.68	93.60	00581
1/4 X 6	5.10	102.00	00582
1/4 X 6 1/2	5.53	110.60	00583
1/4 X 7	5.95	119.00	00586
1/4 X 8	6.80	136.00	00588
1/4 X 9	7.66	153.20	00803
1/4 X 10	8.51	170.20	00811
1/4 X 12	10.21	204.20	00822
5/16 X 1	1.06	21.20	00589
5/16 X 1 1/4	1.33	26.60	00591
5/16 X 1 1/2	1.59	31.80	00597
5/16 X 2	2.13	42.60	00599
5/16 X 2 1/2	2.66	53.20	00601
5/16 X 3	3.19	63.80	00603
5/16 X 3 1/2	3.72	74.40	00607
5/16 X 4	4.25	85.00	00610
5/16 X 5	5.31	106.20	00617
5/16 X 6	6.38	127.60	00619
5/16 X 8	8.50	170.00	00625
3/8 X 3/4	.956	19.20	00600
3/8 X 1	1.28	25.60	00608
3/8 X 1 1/4	1.59	31.80	00612
3/8 X 1 1/2	1.91	38.20	00614
3/8 X 1 3/4	2.23	44.60	00616
3/8 X 2	2.55	51.00	00618
3/8 X 2 1/4	2.87	57.40	00648
3/8 X 2 1/2	3.19	63.80	00622
3/8 X 2 3/4	3.51	70.20	00623
3/8 X 3	3.83	76.60	00627
3/8 X 3 1/2	4.46	89.20	00629
3/8 X 4	5.10	102.00	00630
3/8 X 4 1/2	5.74	114.80	00631

# HOT ROLLED FLATS

## A36 / Grade 50

Size	Lbs./Ft.	Lbs./20'	Item #
3/8 x 5	6.38	127.60	00632
3/8 x 5 1/2	7.01	140.20	00633
3/8 x 6	7.65	153.00	00634
3/8 x 7	8.93	178.60	00637
3/8 x 8	10.20	204.00	00639
3/8 x 9	11.49	229.80	00828
3/8 x 10	12.77	255.40	00833
3/8 x 11	14.04	280.80	00836
3/8 x 12	15.32	306.40	00838
1/2 x 3/4	1.28	25.60	00651
1/2 x 1	1.70	34.00	00653
1/2 x 1 1/4	2.13	42.60	00654
1/2 x 1 1/2	2.55	51.00	00656
1/2 x 1 3/4	2.98	59.60	00657
1/2 x 2	3.40	68.00	00659
1/2 x 2 1/4	3.83	76.60	00661
1/2 x 2 1/2	4.25	85.00	00663
1/2 x 3	5.10	102.00	00664
1/2 x 3 1/2	5.95	119.00	00669
1/2 x 4	6.80	136.00	00671
1/2 x 4 1/2	7.65	153.00	00672
1/2 x 5	8.50	170.00	00675
1/2 x 5 1/2	9.35	187.00	00677
1/2 x 6	10.20	204.00	00679
1/2 x 7	11.90	238.00	00681
1/2 x 8	13.60	272.00	00683
1/2 x 9	15.32	306.40	00841
1/2 x 10	17.02	340.40	00846
1/2 x 12	20.42	408.40	00850
5/8 x 1	2.125	42.50	05066
5/8 x 1 1/2	3.19	63.80	00652
5/8 x 2	4.25	85.00	00655
5/8 x 2 1/2	5.31	106.20	00658
5/8 x 3	6.38	127.60	00660
5/8 x 3 1/2	7.44	148.80	00662
5/8 x 4	8.50	170.00	00665
5/8 x 4 1/2	9.56	191.20	00668
5/8 x 5	10.63	212.60	00670
5/8 x 6	12.75	255.00	00673
5/8 x 7	14.88	297.60	00676
5/8 x 8	17.00	340.00	00680
5/8 x 9	19.15	383.00	00818
5/8 x 10	21.27	425.40	00826
5/8 x 12	25.53	510.60	00829
3/4 x 1	2.55	51.00	00690
3/4 x 1 1/2	3.83	76.60	00693
3/4 x 1 3/4	4.463	89.26	15890
3/4 x 2	5.10	102.00	00702

# HOT ROLLED FLATS

## A36 / Grade 50

Size	Lbs./Ft.	Lbs./20'	Item #
3/4 X 2 1/2	6.38	127.60	00705
3/4 X 3	7.65	153.00	00706
3/4 X 3 1/2	8.93	178.60	00708
3/4 X 4	10.20	204.00	00710
3/4 X 4 1/2	11.48	229.60	00712
3/4 X 5	12.75	255.00	00714
3/4 X 5 1/2	14.03	280.60	00775
3/4 X 6	15.30	306.00	00719
3/4 X 7	17.85	357.00	00720
3/4 X 8	20.40	408.00	00722
3/4 X 9	22.97	459.40	00834
3/4 X 10	25.52	510.40	00837
3/4 X 12	30.63	612.60	00839
1 X 1 1/4	4.25	85.01	00691
1 X 1 1/2	5.10	102.00	00694
1 X 2	6.80	136.00	00698
1 X 2 1/2	8.50	170.00	00700
1 X 3	10.20	204.00	00703
1 X 3 1/2	11.90	238.00	00707
1 X 4	13.60	272.00	00709
1 X 4 1/2	15.30	306.00	00711
1 X 5	17.00	340.00	00713
1 X 5 1/2	18.70	374.00	19171
1 X 6	20.40	408.00	00715
1 X 7	23.80	476.00	00717
1 X 8	27.20	544.00	00718
1 X 9	30.63	612.60	00844
1 X 10	34.00	680.00	00851
1 X 12	40.84	816.80	00854
1 1/4 X 3	12.75	255.00	00726
1 1/4 X 4	17.00	340.00	00728
1 1/4 X 5	21.25	425.00	00730
1 1/4 X 6	25.00	510.00	00732
1 1/2 X 2	10.20	204.00	24314
1 1/2 X 3	15.30	306.00	00734
1 1/2 X 4	20.40	408.00	00737
1 1/2 X 6	30.60	612.00	19745
2 X 4	27.20	544.00	00738

INQUIRE REGARDING: Other grades & sizes



# HOT ROLLED STRIP

## A36

Size	Lbs./Ft.	Lbs./20'	Item #
1/8 x 1/2	.213	4.26	00488
1/8 x 3/4	.319	6.38	00501
1/8 x 1	.425	8.50	00517
1/8 x 1 1/4	.531	10.62	00536
1/8 x 1 1/2	.638	12.76	00545
1/8 x 1 3/4	.744	14.88	25467
1/8 x 2	.850	17.00	25466
1/8 x 2 1/2	1.060	21.20	28985
1/8 x 3	1.280	25.60	00573
1/8 x 3 1/2	1.490	29.80	00576
1/8 x 4	1.700	34.00	00580
1/8 x 4 1/2	1.910	38.20	00585
1/8 x 5	2.130	42.60	00587
1/8 x 6	2.550	51.00	00590
1/8 x 7	2.980	59.60	00593
1/8 x 8	3.400	68.00	00594
1/8 x 10	4.250	85.00	00595
1/8 x 12	5.100	102.00	00496
3/16 x 1/2	.319	6.38	00667
3/16 x 3/4	.478	9.56	00678
3/16 x 1	.638	12.76	25468
3/16 x 1 1/4	.797	15.94	25375
3/16 x 1 1/2	.956	19.12	25401
3/16 x 1 3/4	1.120	22.40	00733
3/16 x 2	1.280	25.60	25470
3/16 x 2 1/2	1.590	31.80	25471
3/16 x 3	1.910	38.20	25472
3/16 x 3 1/2	2.230	44.60	00748
3/16 x 4	2.550	51.00	00755
3/16 x 4 1/2	2.869	57.38	00762
3/16 x 5	3.190	63.80	00772
3/16 x 6	3.830	76.60	00790
3/16 x 7	4.460	89.20	00798
3/16 x 8	5.100	102.00	00801
3/16 x 10	6.380	127.60	00813
3/16 x 12	7.650	153.00	00819



# PIPE & TUBING

# PIPE SPECIFICATIONS

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## **Black Pipe**

Our stock carbon Black Pipe is carried as plain end in both schedule 40 and extra heavy schedule 80 walls. They are all pressure tested and certified to ASTM A53 Grade B with either Type F (furnace butt welded) or Type E (electric resistance welded) seams. Both weld seam types are acceptable for pressure tested applications and general use, so we typically do not specify seam type when ordering.

**BLACK PLAIN END PIPE**  
**Tested Line Pipe—Schedule 40—Standard Weight**  
**ASTM A53 Grade B**



Size Inches	Outside Diameter	Inside Diameter	Wall Thickness	Lbs. Per Ft.	Item #
	A		B		
1/8	.405	.269	.068	.24	01381
1/4	.540	.364	.088	.42	01383
3/8	.675	.493	.091	.57	01385
1/2	.840	.622	.109	.85	01387
3/4	1.050	.824	.113	1.13	01392
1	1.315	1.049	.133	1.68	01394
1 1/4	1.660	1.380	.140	2.27	01397
1 1/2	1.900	1.610	.145	2.72	01398
2	2.375	2.067	.154	3.65	01400
2 1/2	2.875	2.469	.203	5.79	01403
3	3.500	3.068	.216	7.58	01407
3 1/2	4.000	3.548	.226	9.11	01409
4	4.500	4.026	.237	10.79	01413
8	8.625	7.981	.322	28.55	05146

**EXTRA HEAVY BLACK PIPE P.E.**  
**Tested—Schedule 80**  
**ASTM A53 Grade B**



Size Inches	Outside Diameter	Inside Diameter	Wall Thickness	Lbs. Per Ft.	Item #
	A		B		
3/8	.675	.423	.126	.730	01531
1/2	.840	.546	.147	1.09	01544
3/4	1.050	.742	.154	1.47	01548
1	1.315	.957	.179	2.17	01552
1 1/4	1.660	1.278	.191	3.00	01556
1 1/2	1.900	1.500	.200	3.63	01562
2	2.375	1.939	.218	5.02	01565
2 1/2	2.875	2.323	.276	7.66	01568
3	3.500	2.900	.300	10.25	01571
4	4.500	3.826	.337	14.98	01576

# TUBING SPECIFICATIONS

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## **Carbon Rectangular & Square Tubing**

Our stock Carbon Rectangular and Square Tubing is certified to either ASTM A513 MT Type 1A or ASTM A500 Grade B, depending on the size. Products with side dimensions under 2" are typically the non-tensile tested mechanical Grade of ASTM A513, while side dimensions of 2" and larger typically fall under the structural steel ASTM A500 Grade B specification, with mandatory tensile testing reported (minimum strengths of 46 KSI yield and 58 KSI tensile). Both are as-welded ERW (electrical resistance welded) products made from hot rolled low carbon steel and will have some mill scale. The OD flash is removed on all products, but the ID flash is left in on our stock material.

## **Carbon Round Tubing**

We stock three different types of Carbon Round Tubing, depending on the size and your application needs. For non-structural applications our certified ASTM A513 MT Type 1A tubes come readily weldable and formable. For your structural applications, our certified ASTM A500 Grade B pipe sized tubes come fully tensile tested to 46 KSI minimum yield and 58 KSI minimum tensile strength. These are readily weldable and produced into traditional pipe sizes without the pressure testing. Compared to pipe, the pipe sized tubes offer more straightness, a better finish, and higher strength.

For your larger OD pipe applications, our certified ASTM A135 Grade A pipes come fully tensile tested to 30 KSI minimum yield and 48 KSI minimum tensile strengths, as well as pressure tested for true pipe use. All three types are made from hot rolled, low carbon steel and are ERW (electric resistance welded) with the OD flash removed and ID flash left in and plain ends.

# RECTANGULAR TUBE

**Under 2": ASTM A513      2" & Over: ASTM A500 Grade B**



Size		Gauge	Wt. Lbs./Ft.	Wt. Lbs./20'	Item #	Wt. Lbs./24'	Item #	Wt. Lbs./40'	Item #
A	B	C							
1 1/2	X 3/4	16 Ga.	.937	18.74	50321	22.49	04842	37.48	
1 1/2	X 3/4	14 Ga.	1.176	23.52	00864	28.22	24449	47.04	
1 1/2	X 3/4	11 Ga.	1.640	32.80	50324	39.36		79.72	
1 1/2	X 1	16 Ga.	1.04	20.80	50316	24.96		41.60	
1 1/2	X 1	14 Ga.	1.317	26.34	50318	31.61	00871	52.68	
1 1/2	X 1	11 Ga.	1.844	36.88	50319	44.26	00867	73.76	
2	X 1	16 Ga.	1.268	25.36	00906	30.43	00908	50.72	
2	X 1	14 Ga.	1.599	31.98	00912	38.38	00914	63.96	
2	X 1	13 Ga.	1.82	36.40	50376	43.68		72.80	
2	X 1	11 Ga.	2.252	45.04	00915	54.05	00920	90.08	
2	X 1	3/16"	3.039	60.78	50378	72.94	00781	121.56	
2	X 1 1/2	14 Ga.	1.882	37.64		45.17	00926	75.28	
2	X 1 1/2	11 Ga.	2.660	53.20	00922	63.84		106.40	
2 1/2	X 1 1/2	14 Ga.	2.160	43.20	50366	51.84		86.40	
2 1/2	X 1 1/2	11 Ga.	3.070	61.40	31184	73.68	00957	122.80	
2 1/2	X 1 1/2	3/16"	4.320	86.40	00823	103.68	00843	172.80	00847
2 1/2	x 1 1/2	1/4"	5.410	108.20		129.84	35786	216.40	
3	X 1	14 Ga.	2.160	43.20	32063	51.84	00963	86.40	
3	X 1	11 Ga.	3.070	61.40	37692	73.68	00966	122.80	
3	X 1 1/2	14 Ga.	2.446	48.92	00898	58.70	00905	97.84	
3	X 1 1/2	11 Ga.	3.480	69.60	00916	83.52	00944	139.20	
3	X 1 1/2	3/16"	4.970	99.40	32155	119.28	00911	198.80	
3	X 2	14 Ga.	2.670	53.40	24302	64.08	00947	106.80	
3	X 2	11 Ga.	3.900	78.00	00949	93.60	00954	156.00	00956
3	X 2	3/16"	5.590	111.80	00959	134.16	00964	223.60	00967
3	X 2	1/4"	7.110	142.20	00969	170.64	00973	284.40	00977
3 1/2	X 2 1/2	3/16"	6.870	137.40	05495	164.88	23100	274.80	50403
3 1/2	X 2 1/2	1/4"	8.810	176.20		211.44		352.40	50389
4	X 1 1/2	11 Ga.	4.330	86.60	50414	103.92	00827	173.20	
4	X 2	14 Ga.	3.240	64.80	22557	77.76	00831	129.60	05122
4	X 2	11 Ga.	4.750	95.00	00840	114.00	00845	190.00	00848
4	X 2	3/16"	6.870	137.40	00853	164.88	00857	274.80	00859
4	X 2	1/4"	8.810	176.20	00861	211.44	00863	352.40	00866
4	X 2	5/16"	10.580	211.60	00869	253.92	22456	423.20	00873
4	X 2	3/8"	12.150	243.00	32125	291.60		486.00	32020

# RECTANGULAR TUBE

**Under 2": ASTM A513**

**2" & Over: ASTM A500 Grade B**



Size		Gauge	Wt. Lbs./ Ft.	Wt. Lbs./20'	Item #	Wt. Lbs./24'	Item #	Wt. Lbs./40'	Item #	Wt. Lbs./48'	Item #
A	B	C									
4	X 3	11 Ga.	5.610	112.20	00875	134.64	00878	224.40	00880	269.28	
4	X 3	3/16"	8.150	163.00	00882	195.60	00885	326.00	00888	391.20	
4	X 3	1/4"	10.510	210.20	00890	252.24	00893	420.40	00896	504.48	
4	X 3	3/8"	14.720	294.40	36080	353.28		588.80	20999	706.56	
5	X 2	11 Ga.	5.610	112.20	00951	134.64	00953	224.00	00955	269.28	
5	X 2	3/16"	8.150	163.00	00958	195.60	00962	326.00	00965	391.20	
5	X 2	1/4"	10.510	210.20	00968	252.24	00970	420.40	00972	504.48	
5	X 2 1/2	3/16"	8.780	175.60		210.72	23822	351.20		421.44	
5	X 3	11 Ga.	6.460	129.20	00974	155.04	00978	258.40	00981	310.08	
5	X 3	3/16"	9.420	188.40	00984	226.08	00987	376.80	00989	452.16	
5	X 3	1/4"	12.210	244.20	00990	293.04	00992	488.40	00994	586.08	
5	X 3	5/16"	14.830	296.60	00995	355.92		593.20	01053	711.84	
5	X 3	3/8"	17.270	345.40	01058	414.48		690.80	01061	828.96	
5	X 3	1/2"	21.630	432.60		519.12		865.20	50433	1038.24	
6	X 2	11 Ga.	6.460	129.20	01031	155.04	01034	258.40	01036	310.08	
6	X 2	3/16"	9.420	188.40	01037	226.08	01040	376.80	01043	452.16	
6	X 2	1/4"	12.210	244.20	01047	293.04	01050	488.40	01054	586.08	29841
6	X 2	5/16"	14.830	296.60		249.22		593.20	04859	498.44	
6	X 2	3/8"	17.270	345.40	34065	414.48		690.80	27524	828.96	
6	X 3	11 Ga.	7.310	146.20	01059	175.44	01070	292.40	01074	350.88	
6	X 3	3/16"	10.700	214.00	01078	256.80	01090	428.00	01093	513.60	25634
6	X 3	1/4"	13.190	278.20	01098	333.84	01106	556.40	01111	667.68	
6	X 3	3/8"	19.820	396.40	01115	475.68		792.80	01118	951.36	
6	X 3	1/2"	25.030	500.60	27867	600.72		1001.20		1201.44	
6	X 4	11 Ga.	7.96	159.20	50443	191.04		318.40	50444	382.08	
6	X 4	3/16"	11.970	239.40	01160	287.28	01163	478.80	01166	574.56	28535
6	X 4	1/4"	15.620	312.40	01169	374.88	01173	624.80	01175	749.76	23081
6	X 4	5/16"	19.080	381.60	01180	457.92		763.20	01182	915.84	28074
6	X 4	3/8"	22.370	447.40	01188	536.80	05499	894.80	01191	1073.76	28109
6	X 4	1/2"	28.430	568.60	01195	682.32	33978	1137.20	01198	1364.64	33866
7	X 3	3/16"	11.970	239.40	01107	287.28	01109	478.80	01114	574.56	
7	X 3	1/4"	15.620	312.40	01116	374.88		624.80	01117	749.76	
7	X 3	3/8"	22.370	447.40	19625	536.80		894.80	21763	1073.60	
7	X 5	3/16"	14.530	290.60		348.72		581.20	18266	697.44	
7	X 5	1/4"	19.020	380.40	01119	456.48	01123	760.80	01126	912.96	
7	X 5	3/8"	27.480	549.60	01128	659.52		1099.20	01130	1319.04	30904
7	X 5	1/2"	35.240	704.80		845.76		1409.60	25632	1691.52	31389



# RECTANGULAR TUBE

**Under 2": ASTM A513**

**2" & Over: ASTM A500 Grade B**



Size		Gauge	Wt. Lbs./ Ft.	Wt. Lbs./20'	Item #	Wt. Lbs./24'	Item #	Wt. Lbs./40'	Item #	Wt. Lbs./48'	Item #	
A	B	C										
8	X	2	3/16"	11.970	239.40	01155	287.28	25193	478.80	01157	574.56	31456
8	X	2	1/4"	15.620	312.40	01158	374.88		624.80	01162	749.76	30839
8	X	2	3/8"	22.370	447.40		536.88	36101	894.80	33644	1073.76	
8	X	3	3/16"	13.250	265.00	01165	318.00	18586	530.00	01167	636.00	
8	X	3	1/4"	17.320	346.40	01170	415.68	01174	692.80	01176	831.36	30812
8	X	3	3/8"	24.930	498.60	01179	598.32	17914	997.20	01181	1196.34	
8	X	4	3/16"	14.530	290.60	01185	348.72	01187	581.20	01189	697.44	
8	X	4	1/4"	19.020	380.40	01192	456.48	01196	760.80	01197	912.96	27996
8	X	4	3/8"	27.480	549.60	01199	659.52	21828	1099.20	01201	1319.04	
8	X	4	1/2"	35.240	704.80		845.76		1409.60	21556	1691.53	
8	X	6	3/16"	17.080	341.60	01203	409.92		683.20	01206	819.84	
8	X	6	1/4"	22.420	448.40	01209	538.08	04882	896.80	01211	1076.16	29002
8	X	6	3/8"	32.580	651.60	01213	781.92	21031	1303.20	01215	1563.84	31791
8	X	6	1/2"	42.050	841.00	25327	1009.20		1682.00	20994	2018.40	
9	X	5	1/4"	22.420	448.00		538.00		897.00	39282	1076.00	
9	x	7	1/4"	25.82	516.40		619.68		1032.80	50457	1239.36	50458
10	X	2	1/4"	19.02	380.40	19939	456.48		760.80	33067	912.96	
10	X	3	1/4"	20.700	414.00		497.00		828.00	30002	995.00	
10	X	4	3/16"	17.08	341.60	04889	409.92		683.20	01230	819.84	
10	X	4	1/4"	22.420	448.40	01233	538.08		896.80	01234	1076.16	
10	X	4	3/8"	32.580	651.60	17955	781.92		1303.20	17954	1563.84	
10	X	4	1/2"	42.050	841.00	50356	1009.20		1682.00		2018.40	
10	X	5	1/4"	24.12	482.40		578.88		964.80	50358	1157.76	
10	X	6	1/4"	25.820	516.40	01237	619.68		1032.80	01240	1239.36	
10	X	6	3/8"	37.690	753.80	01242	904.56		1507.60	01244	1809.12	
10	X	6	1/2"	48.850	977.00		1172.40		1954.00	18714	2344.80	
10	X	8	1/4"	29.200	584.00	21750	700.80		1168.00	16987	1401.60	
10	X	8	3/8"	42.790	855.80		1026.96		1711.60	15915	2053.92	
12	X	2	3/16"	17.080	341.60	27751	409.92		683.20		819.84	
12	X	2	1/4"	22.420	448.40		538.08		896.80		1076.16	27610
12	X	4	1/4"	25.820	516.40	01239	619.68		1032.80	01245	1239.36	18180
12	X	4	3/8"	37.690	753.80		904.56		1507.60	04897	1809.12	32043
12	X	6	1/4"	29.200	584.00		700.80		1168.00	05455	1401.60	
12	X	6	3/8"	42.750	855.00		1026.00		1710.00	27798	2052.00	32412
12	X	6	1/2"	55.66	113.20		1335.84		2226.40		2671.68	50363
12	X	8	1/4"	32.590	651.80		782.16		1303.60	15914	1564.32	
12	X	8	3/8"	47.850	957.00	23744	1148.40		1914.00	16989	2296.80	

# ROUND TUBING

## ASTM A513



Size (OD)	Gauge	Lbs./Ft.	Item #	Size (OD)	Gauge	Lbs./Ft.	Item #
A	B			A	B		
3/4"	15 Ga.	.521	00810		11 Ga.	2.089	25177
1.000" (1")	16 Ga.	.649	00961	1.90"	.145 Wall	2.720	01171
	14 Ga.	.813	00971	1.90"	.200 Wall	3.631	34257
	13 Ga.	.918	04813	2.000" (2")	16 Ga.	1.343	01101
	12 Ga.	1.037	00976		14 Ga.	1.699	01095
1.250" (1 1/4")	11 Ga.	1.128	00980	11 Ga.	2.409	01088	
	16 Ga.	.823	00988	2.375"	.109 Wall	2.638	01183
	14 Ga.	1.034	00996	2.375"	.218 Wall	5.022	32047
	13 Ga.	1.172	04924	11 Ga.	3.050	19300	
1.312"	12 Ga.	1.328	01001	2.875"	.276 Wall	7.661	32080
	11 Ga.	1.448	01006	3.500"	.300 Wall	10.250	34682
	.109 Wall	1.404	01152	4.000"	.318 Wall	12.510	34683
	1.500" (1 1/2")	16 Ga.	.996	01009	14 Ga.	3.470	23406
14 Ga.		1.256	01016	12 Ga.	4.530	01263	
13 Ga.		1.426	04816	11 ga	4.970	23408	
12 Ga.		1.619	01020	10 Ga.	5.530	01264	
1.660"	11 Ga.	1.769	01027	4.500"	.337 Wall	14.980	28986
	14 Ga.	1.398	01156	5.562"	.375 Wall	20.780	34803
	11 Ga.	1.974	01159	6.625"	.188 Wall	12.925	30878
1.66"	.191 Wall	2.997	24280	6.625"	.432 Wall	28.600	33855
1.750" (1 3/4")	14 Ga.	1.478	01030	8.625"	.500 Wall	43.390	18895
	13 Ga.	1.679	01035				

# P.S. (PIPE SIZE) TUBING

## ASTM A500 Grade B



Size (OD)	Gauge	Lbs./Ft.	Item #	Size (OD)	Gauge	Lbs./Ft.	Item #
A	B			A	B		
(1/2)" .840	.109 Wall	.850	01149	(3 1/2") 4.000"	.226 Wall	9.109	01205
(3/4") 1.05"	.113 Wall	1.130	01150	(4") 4.500"	.237 Wall	10.790	01214
(1") 1.312"	.133 Wall	1.680	01154	(5") 5.562"	.258 wall	14.620	01220
(1 1/4") 1.66"	.140 Wall	2.270	01161	(6") 6.625"	.280 Wall	18.970	01225
(1/2") 1.90"	.109 Wall	2.085	01164	(8") 8.625"	.322 Wall	28.580	19003
(2") 2.375"	.154 Wall	3.650	01186	(10") 10.75"	.365 Wall	40.52	18311
(2 1/2") 2.875"	.203 Wall	5.790	02089	(12") 12.75"	.375 Wall	49.56	19007
(3") 3.500"	.216 Wall	7.580	01194				



# ROUND TUBING

Under 5": ASTM A500 Grade B—5" & over: ASTM A135 Grade A

Size (OD)	Gauge	Lbs./Ft.	Item #
A	B		
4"	.318	12.51	50288
4"	10 Ga.	5.70	50620
4 1/2"	11 Ga.	5.60	01266
4 1/2"	.237	10.79	50299
5"	14 Ga.	4.00	01232
5"	12 Ga.	5.60	01235
5"	10 Ga.	6.96	01238
6"	14 Ga.	5.25	01241
6"	12 Ga.	6.86	01252
6"	10 Ga.	8.40	01255
6"	3/16"	11.67	01257
8"	14 Ga.	7.02	01017
8"	12 Ga.	9.19	01041
8"	10 Ga.	11.26	01064
8"	3/16"	15.69	01067
8 5/8"	10 Ga.	12.15	01085
10"	12 Ga.	11.51	01000
10"	10 Ga.	14.12	01013
10"	3/16"	19.70	01018
10"	1/4"	26.03	01029
12"	12 Ga.	13.84	01057
12"	10 Ga.	16.98	01068
12"	3/16"	23.72	01082
12"	1/4"	31.37	01099
14"	12 Ga.	16.17	01120
14"	10 Ga.	19.84	01125
14"	3/16"	27.73	01127
16"	12 Ga.	18.50	01133

INQUIRE REGARDING: Stainless 304 tubing

# SQUARE TUBE

**Under 2": ASTM A513**

**2" & Over: ASTM A500 Grade B**



Size	Gauge	Wt. Lbs./ Ft.	Wt. Lbs./20'	Item #	Wt. Lbs./24'	Item #	Wt. Lbs./40'	Item #	Wt. Lbs./48'	Item #
A	B									
1/2 X 1/2	16 Ga.	.384	7.68	00744	9.22	00751	15.36		18.432	
1/2 X 1/2	13 Ga.	1.82	36.40	50310	43.68		72.80		87.360	
3/4 X 3/4	16 Ga.	.606	12.12	00776	14.54	00784	24.24		29.088	
3/4 X 3/4	14 Ga.	.753	15.06	00760	18.07	00765	30.12		36.144	
3/4 X 3/4	11 Ga.	1.028	20.56	22343	24.67	00756	41.12		49.344	
1 X 1	18 Ga.	.630	12.60	50346	15.12		25.20		30.240	
1 X 1	16 Ga.	.827	16.54	00825	19.85	00832	33.08		39.696	
1 X 1	15 Ga.	.909	18.18	00814	21.82	00821	36.36		43.632	
1 X 1	14 Ga.	1.035	20.70	00805	24.84	00807	41.40		49.680	
1 X 1	13 Ga.	1.17	23.40	50351	28.08		46.80		56.160	
1 X 1	12 Ga.	1.320	26.40	00796	31.68	00800	52.80		63.360	
1 X 1	11 Ga.	1.436	28.72	00789	34.46	00793	57.44		68.928	
1 1/4 X 1 1/4	16 Ga.	1.047	20.94	00860	25.13	00862	41.88		50.256	
1 1/4 X 1 1/4	14 Ga.	1.317	26.34	00855	31.61	00858	52.68		63.216	
1 1/4 X 1 1/4	13 Ga.	1.49	29.80	50329	35.76	50330	59.60		71.520	
1 1/4 X 1 1/4	12 Ga.	1.691	33.82		40.58	00849	67.64		81.168	
1 1/4 X 1 1/4	11 Ga.	1.844	36.88	00835	44.26	00842	73.76		88.512	
1 1/4 X 1 1/4	10 Ga.	2.03	40.60	50335	48.72		81.20		97.440	
1 1/4 X 1 1/4	3/16"	2.913	58.26	18276	69.91	00721	116.52		139.824	
1 1/2 X 1 1/2	16 Ga.	1.268	25.36	00891	30.43	00895	50.72		60.864	
1 1/2 X 1 1/2	14 Ga.	1.599	31.98	00886	38.38	00889	63.96		76.752	
1 1/2 X 1 1/2	12 Ga.	2.062	41.24	00879	49.49	00883	82.48		98.976	
1 1/2 X 1 1/2	11 Ga.	2.252	45.04	00874	54.05	00877	90.08		108.096	
1 1/2 X 1 1/2	3/16"	3.046	60.92	00768	73.10	00774	121.84		146.208	
1 1/2 X 1 1/2	1/4"	4.067	81.34	31438	102.00	24967	162.68		195.216	
1 3/4 x 1 3/4	14 Ga.	1.882	37.64	00900	45.17	00902	74.28		90.336	
1 3/4 x 1 3/4	13 Ga.	2.11	42.20	50338	50.64		84.40		101.280	
1 3/4 x 1 3/4	11 Ga.	2.660	53.20	30094	63.84	00897	106.40		127.680	
2 X 2	16 Ga.	1.710	34.20	24518	41.04	00931	68.40		56.160	
2 X 2	14 Ga.	2.164	43.28	00985	51.94	00937	86.56		103.872	
2 X 2	12 Ga.	2.802	56.04	00939	67.25	00945	112.08		134.496	
2 X 2	11 Ga.	3.050	61.00	00948	73.20	00950	122.00	00952	146.400	
2 X 2	3/16"	4.320	86.40	00795	103.68	00786	172.80	00791	207.360	
2 X 2	1/4"	5.410	108.20	00799	129.84	00804	216.40	00816	259.680	

# SQUARE TUBE

**Under 2": ASTM A513**

**2" & Over: ASTM A500 Grade B**



Size	Gauge	Wt. Lbs./ Ft.	Wt. Lbs./20'	Item #	Wt. Lbs./24'	Item #	Wt. Lbs./40'	Item #	Wt. Lbs./48'	Item #
A	B									
2 1/2 X 2 1/2	14 Ga.	2.730	54.60		65.52	00872	109.20		131.04	
2 1/2 X 2 1/2	11 Ga.	3.900	78.00	00852	93.60	00856	156.00	00865	187.20	
2 1/2 X 2 1/2	3/16"	5.590	111.80	00876	134.16	00881	223.60	00884	268.32	
2 1/2 X 2 1/2	1/4"	7.110	142.20	00887	170.64	00892	284.40	00894	341.28	
3 X 3	14 Ga.	3.240	64.80	00979	77.76	00982	129.60		155.52	
3 X 3	11 Ga.	4.750	95.00	00986	114.00	00991	190.00	00997	228.00	
3 X 3	3/16"	6.870	137.40	00999	164.88	01003	274.80	01007	329.76	
3 X 3	1/4"	8.810	176.20	01010	211.44	01014	352.40	01019	422.88	24047
3 X 3	5/16"	10.580	211.60	02083	253.92	18087	423.20	02084	507.84	
3 X 3	3/8"	12.170	243.40	05496	292.08	30211	486.80		584.16	
3 1/2 X 3 1/2	11 Ga.	5.610	112.20	00778	134.64	00785	224.40	04852	247.68	
3 1/2 X 3 1/2	3/16"	8.150	163.00	00788	195.60	00792	326.00	00797	391.20	
3 1/2 X 3 1/2	1/4"	10.510	210.20	00802	252.24	00812	420.40	00817	504.48	
4 X 4	14 Ga.	4.360	87.20		104.64	05444	174.40		209.28	
4 X 4	11 Ga.	6.460	129.20	00899	155.04	00901	258.40	00903	310.08	
4 X 4	3/16"	9.420	188.40	00904	226.08	00907	376.80	00909	452.16	32002
4 X 4	1/4"	12.210	244.20	00913	293.04	00919	488.40	00921	586.08	24048
4 X 4	5/16"	14.830	296.60	00927	355.92	26566	593.20	00930	711.84	26857
4 X 4	3/8"	17.270	345.40	00932	414.48	26503	690.80	00935	828.96	28746
4 X 4	1/2"	21.610	432.20	00936	518.64	22013	864.40	00938	1037.28	31853
4 1/2 X 4 1/2	3/16"	10.700	214.00	00940	256.80	00943	428.00	00946	513.60	
4 1/2 X 4 1/2	1/4"	13.900	278.00	17950	333.60		556.00	17949	667.20	
5 X 5	3/16"	11.970	239.40	01073	287.28	01076	478.80	01079	574.56	28583
5 X 5	1/4"	15.620	312.40	01084	374.88	01087	624.80	01091	749.76	26538
5 X 5	5/16"	19.080	381.60	01096	457.92	31865	763.20	01100	915.84	31854
5 X 5	3/8"	22.370	447.40	01103	536.88		894.80	01104	1073.76	31835
5 X 5	1/2"	28.430	568.60	05498	265.39	26539	1137.20	23827	1364.64	26541
6 X 6	3/16"	14.530	290.60	01202	348.72	01207	581.20	01210	697.44	24721
6 X 6	1/4"	19.020	380.40	01212	456.48	01216	760.80	01218	912.96	24049
6 X 6	5/16"	23.340	466.80	01223	560.16		933.60	01227	1120.32	30651
6 x 6	3/8"	27.480	549.60	01231	659.52	23695	1099.20	04865	1319.04	26825
6 x 6	1/2"	35.240	704.80	04866	845.76	26420	1409.60	04867	1691.52	28945
7 X 7	3/16"	17.080	341.60		409.92		683.20	18799	819.84	
7 X 7	1/4"	22.420	448.40	01131	538.08		896.80	01132	1076.16	05476
7 X 7	3/8"	32.580	651.60	01136	781.92	19131	1303.20	01138	1563.84	22773
7 X 7	1/2"	42.050	841.00	01147	1009.20		1682.00	01148	2018.40	

# SQUARE TUBE

Under 2": ASTM A513

2" & Over: ASTM A500 Grade B



Size		Gauge	Wt. Lbs./Ft.	Wt. Lbs./20'	Item #	Wt. Lbs./24'	Item #	Wt. Lbs./40'	Item #	Wt. Lbs./48'	Item #
A		B									
8	X 8	3/16"	19.630	392.60	23441	471.12		785.20	20954	942.24	
8	X 8	1/4"	25.820	516.40	01217	619.68	01219	1032.80	01221	1239.36	26827
8	X 8	3/8"	37.690	753.80	01222	904.56	04886	1507.60	01224	1809.12	26421
8	X 8	1/2"	48.850	977.00	05500	1172.40		1954.00	05467	2344.80	27606
10	X 10	1/4"	32.630	652.60	01247	783.12		1305.20	01249	1566.24	20789
10	X 10	3/8"	47.900	958.00		1149.60		1916.00	29286	2299.20	
10	X 10	1/2"	62.460	1249.20	19265	1499.04		2498.40	05493	2998.08	
12	X 12	1/4"	39.430	788.60		946.32		1577.20	01251	1892.64	
12	X 12	1/2"	76.060	1521.20		1825.44		3042.40	34081	3650.88	

# PLATE

# PLATE SPECIFICATIONS

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## **Discrete Plate**

Our stock mill produced Carbon Discrete Plates come certified to several different specifications and Grades. ASTM A36 (36 KSI minimum yield), ASTM A572 Grade 50 (50 KSI minimum yield), and ASTM A514 Grade B (100 KSI minimum yield) are the most common structural specifications available. The ASTM A36 products are great for general use applications, while the HSLA (High Strength Low Alloy) ASTM A572 Grade 50 products are ideal for applications where notch toughness and increased strength is required, and the ASTM A514 Grade B products offer three times the strength of A36 products and provide exceptional toughness – but do require a little more care with preheating when welding.

\*Please note that AR400 discrete plate products are not governed by an ASTM specification and are produced according to each manufacturer's proprietary processes. Our general stock, identified as AR400-F is a more formable version of the traditional AR400, while still being heat treated to a high strength, high hardness product with a Brinell hardness range of 360-440 for your abrasive resistant applications.

## **Commercial Quality**

We do carry some stock Carbon Commercial Quality Plates that are certified to ASTM A830 CS Type B. These are not tensile tested and are not recommended for structural applications but are low carbon and are both readily formable and weldable.

## **Cold Reduced**

Our stock Carbon Cold Reduced Plates are produced from coils and are available in several different specifications and Grades depending on your application needs. Our state-of-the-art Cold Reduction Temper Leveling Process ensures that these plates come flat and stay flat during downstream processing like laser or plasma cutting. The Cold Reduction process also provides an improved surface from traditional leveling practices to aid in less welding and paint preparations. General ASTM A36 products are available, as well as dual certified ASTM A572 and ASTM A656 Grade 50 products – which provide the same enhanced formability as well as increased strength and notch toughness. For even higher strength application needs ASTM A656 Grade 80 and Grade 100 are available in several thickness and width combinations. These HSLA (High Strength Low Alloy) products with enhanced formability are commonly used in trailer and boom lift applications where increased strength and toughness need to accompany a lighter weight assembly.

## **Safety (Tread) Floor Plate**

Our stock Carbon Floor Plates are certified to dimensional specification ASTM A786 with thicknesses up through 3/16" also being certified to ASTM A1011 CS Type B. These low carbon, readily formable and weldable products are intended for general use applications where structural strength is not required.



# PLATE

## Discrete A36

Gauge	Description	Width	Length	Wt. Per Piece	Item #
3/16"	A36	96"	240"	1225.60	45006
3/8"	A36	144"	324"	4963.68	45017
1/2"	A36	144"	324"	6616.08	45019
5/8"	A36	48"	96"	817.00	35396
5/8"	A36 SSAB	60"	120"	1276.50	25668
5/8"	A36 SSAB	96"	240"	4084.80	01596
5/8"	A36	96"	288"	4899.84	49928
5/8"	A36 SSAB	120"	240"	5106.00	27155
3/4"	A36	48"	96"	980.00	20213
3/4"	A36 SSAB	48"	120"	1225.20	28562
3/4"	A36 SSAB	60"	120"	1531.50	28229
3/4"	A36 SSAB	96"	120"	2450.40	24655
3/4"	A36 SSAB	96"	240"	4900.80	28497
3/4"	A36	96"	288"	5880.96	49900
3/4"	A36 SSAB	120"	240"	6126.00	28286
3/4"	A36	120"	288"	7351.20	49896
1"	A36 SSAB	60"	120"	2042.00	28230
1"	A36 SSAB	96"	120"	3267.20	26978
1"	A36	96"	144"	3921.00	01863
1"	A36 SSAB	96"	240"	6534.40	25511
1"	A36	96"	288"	7841.28	49865
1"	A36 SSAB	120"	240"	8168.00	32745

INQUIRE REGARDING: Other grades & sizes

# PLATE

## Discrete Grade 50

Gauge	Description	Width	Length	Wt. Per Piece	Item #
1/4"	GR 50	96"	240"	1633.60	19401
5/16"	GR 50	72"	144"	919.00	49921
5/16"	GR 50	96"	240"	2041.60	17823
3/8"	GR 50	48"	120"	612.80	42611
3/8"	GR 50	96"	240"	2451.20	27105
1/2"	GR 50	60"	120"	1021.00	33531
1/2"	GR 50	96"	240"	3267.20	20127
5/8"	GR 50	48"	96"	817.00	26613
5/8"	GR 50	96"	120"	2042.40	25108
5/8"	GR 50	96"	240"	4084.80	22168
5/8"	GR 50 SSAB	60"	120"	1276.50	26463
5/8"	GR 50	60"	240"	2553.00	49926
5/8"	GR 50 SSAB	96"	240"	4084.80	24907
5/8"	GR 50 SSAB	120"	240"	5106.00	27680
3/4"	GR 50	48"	96"	980.00	26067
3/4"	GR 50	48"	120"	1225.00	49897
3/4"	GR 50	72"	144"	2205.36	32518
3/4"	GR 50	96"	120"	2450.40	27012
3/4"	GR 50	96"	240"	4900.80	19269
3/4"	GR 50 SSAB	60"	120"	1531.50	31528
3/4"	GR 50 SSAB	96"	240"	4900.80	27266
3/4"	GR 50 SSAB	120"	240"	6126.00	28343
1"	GR 50	48"	120"	1633.60	27225
1"	GR 50	60"	96"	1633.60	23083
1"	GR 50	60"	120"	2042.00	20763
1"	GR 50	96"	120"	3267.20	27176
1"	GR 50	96"	240"	6534.40	23034
1"	GR 50	120"	240"	8168.00	28289
1 1/4"	GR 50	48"	96"	1633.60	25340
1 1/4"	GR 50	96"	240"	8168.00	23019
1 1/2"	GR 50	96"	240"	9801.60	23020
1 3/4"	GR 50	96"	240"	11435.20	22396
2"	GR 50	96"	240"	13068.80	22626

INQUIRE REGARDING: Other grades & sizes

# PLATE

## AR400-F

Gauge	Description	Width	Length	Wt. Per Piece	Item #
3/16"	AR400-F	48"	96"	245.12	18779
3/16"	AR400-F	48"	120"	306.40	2931
3/16"	AR400-F	96"	288"	1470.72	26750
1/4"	AR400-F	48"	96"	326.72	26830
1/4"	AR400-F	48"	120"	408.40	2932
1/4"	AR400-F	72"	96"	490.08	27764
1/4"	AR400-F	96"	144"	980.16	28528
1/4"	AR400-F	96"	288"	1960.32	18909
3/8"	AR400-F	48"	96"	490.24	24451
3/8"	AR400-F	60"	96"	612.80	18773
3/8"	AR400-F	96"	288"	2941.44	25619
1/2"	AR400-F	48"	96"	653.44	22422
1/2"	AR400-F	48"	120"	816.80	22616
1/2"	AR400-F	96"	288"	3920.64	25620
3/4"	AR400-F	48"	96"	980.16	26837
3/4"	AR400-F	96"	288"	5880.96	22423
1"	AR400-F	96"	288"	7841.28	31554

INQUIRE REGARDING: Other grades & sizes

# PLATE

## Cold Reduced—Grade 50

Gauge	Description	Width	Length	Wt. Per Piece	Item #
3/16"	GR 50	48"	96"	245.12	23068
3/16"	GR 50	48"	120"	306.40	05578
3/16"	GR 50	60"	120"	383.00	05577
3/16"	GR 50	60"	144"	459.60	21034
3/16"	GR 50	96"	240"	1226.00	36789
3/16"	GR 50	60"	120"	383.00	23176
3/16"	GR 50	72"	120"	459.60	22868
3/16"	GR 50	72"	96"	367.68	34354
3/16"	GR 50	72"	144"	551.52	23160
3/16"	GR 50	72"	240"	919.20	05576
1/4"	GR 50	48"	96"	326.72	22996
1/4"	GR 50	48"	120"	408.40	22839
1/4"	GR 50	60"	96"	408.40	18788
1/4"	GR 50	60"	120"	510.50	18771
1/4"	GR 50	60"	120"	511.00	01742
1/4"	GR 50	60"	144"	612.60	27992
1/4"	GR 50	72"	120"	612.60	22888
1/4"	GR 50	72"	144"	735.120	21654
1/4"	GR 50	72"	240"	1225.20	22889
5/16"	GR 50	48"	120"	510.40	22838
5/16"	GR 50	60"	120"	638.00	18767
5/16"	GR 50	72"	120"	765.60	21907
5/16"	GR 50	72"	240"	1531.20	28127
3/8"	GR 50	48"	96"	490.24	19118
3/8"	GR 50	48"	120"	612.80	22837
3/8"	GR 50	60"	120"	766.00	23997
3/8"	GR 50	60"	240"	1532.00	30477
3/8"	GR 50	72"	120"	919.20	23050
3/8"	GR 50	72"	144"	1103.04	30085
3/8"	GR 50	72"	240"	1838.40	31591
1/2"	GR 50	48"	96"	653.44	21987
1/2"	GR 50	48"	120"	816.80	22836
1/2"	GR 50	60"	120"	1021.00	23998
1/2"	GR 50	60"	240"	2042.00	26757
1/2"	GR 50	72"	120"	1225.20	22905
1/2"	GR 50	72"	144"	1470.24	28791
1/2"	GR 50	72"	240"	2450.40	33068
5/8"	GR 50	60"	120"	1276.50	23922
3/4"	GR 50	60"	120"	1531.50	27678

INQUIRE REGARDING: Other grades & sizes

# PLATE

## Cold Reduced—A36

Gauge	Description	Width	Length	Wt. Per Piece	Item #
3/16"	A36	48"	96"	245.12	30185
3/16"	A36	48"	120"	306.40	25873
3/16"	A36	48"	144"	367.68	30541
3/16"	A36	60"	96"	306.40	30632
3/16"	A36	60"	120"	383.00	15897
3/16"	A36	60"	144"	459.60	30633
3/16"	A36	60"	240"	766.00	30983
3/16"	A36	72"	96"	367.68	30571
3/16"	A36	72"	120"	459.60	30138
3/16"	A36	72"	144"	551.52	30684
3/16"	A36	72"	240"	919.20	30533
1/4"	A36	48"	96"	326.72	25872
1/4"	A36	48"	120"	408.40	25871
1/4"	A36	48"	144"	490.08	30956
1/4"	A36	48"	240"	816.80	30957
1/4"	A36	60"	96"	408.40	30958
1/4"	A36	60"	120"	510.50	15898
1/4"	A36	60"	144"	612.60	30959
1/4"	A36	60"	240"	1021.00	30960
1/4"	A36	72"	96"	490.08	01770
1/4"	A36	72"	120"	612.60	01772
1/4"	A36	72"	144"	735.12	01777
1/4"	A36	72"	162"	827.01	45013
1/4"	A36	72"	240"	1225.20	01781
5/16"	A36	48"	96"	408.32	01621
5/16"	A36	48"	120"	510.40	01673
5/16"	A36	48"	144"	612.48	01677
5/16"	A36	60"	120"	638.00	01679
5/16"	A36	60"	144"	765.00	01683
5/16"	A36	60"	240"	1276.00	01685
5/16"	A36	72"	96"	612.48	01688
5/16"	A36	72"	120"	765.60	01689
5/16"	A36	72"	144"	918.72	01691
5/16"	A36	72"	240"	1531.20	01696
3/8"	A36	48"	96"	490.24	01741
3/8"	A36	48"	120"	612.80	01750
3/8"	A36	48"	144"	735.36	04805
3/8"	A36	48"	240"	1225.60	25352
3/8"	A36	60"	96"	612.80	01847
3/8"	A36	60"	120"	766.00	01788
3/8"	A36	60"	144"	919.20	01799
3/8"	A36	60"	240"	1532.00	01804

**PLATE**  
**Cold Reduced—A36**

Gauge	Description	Width	Length	Wt. Per Piece	Item #
3/8"	A36	72"	96"	735.36	04806
3/8"	A36	72"	120"	919.20	01810
3/8"	A36	72"	144"	1103.04	01813
3/8"	A36	72"	240"	1838.40	01816
1/2"	A36	48"	96"	816.80	01714
1/2"	A36	48"	120"	980.16	01718
1/2"	A36	48"	144"	1633.60	22884
1/2"	A36	48"	240"	653.44	01707
1/2"	A36	60"	87"	740.23	45018
1/2"	A36	60"	96"	1021.00	01725
1/2"	A36	60"	120"	1225.20	01728
1/2"	A36	60"	144"	2042.00	01730
1/2"	A36	60"	240"	816.80	01723
1/2"	A36	72"	120"	1225.20	01735
1/2"	A36	72"	144"	1470.24	01737
1/2"	A36	72"	240"	2450.40	01739
5/8"	A36	48"	96"	1021.20	01767
5/8"	A36	48"	120"	816.96	01762
5/8"	A36	60"	96"	1021.20	01775
5/8"	A36	60"	120"	1276.50	01778
5/8"	A36	72"	120"	1531.80	01793
3/4"	A36	48"	96"	1225.20	01831
3/4"	A36	48"	120"	980.16	01829
3/4"	A36	60"	120"	1531.50	01934
3/4"	A36	72"	120"	1837.80	01838
3/4"	A36	72"	144"	2205.36	01839
3/4"	A36	72"	240"	3675.60	01840

**P&O PLATES**  
**Cold Reduced—A36**

Gauge	Description	Width	Length	Wt. Per Piece	Item #
3/16"	A36	60"	96"	603.40	18780
3/16"	A36	60"	120"	383.00	27802
1/4"	A36	60"	120"	510.50	25187
5/16"	A36	60"	120"	638.00	27502
3/8"	A36	60"	120"	766.00	22879
1/2"	A36	60"	120"	1021.00	18781

INQUIRE REGARDING: Other grades & sizes

## P&O PLATES

### Cold Reduced—Grade 50

Gauge	Description	Width	Length	Wt. Per Piece	Item #
3/16"	GR 50	60"	120"	383.00	28178
1/4"	GR 50	60"	120"	510.50	27281
5/16"	GR 50	60"	120"	638.00	32897
3/8"	GR 50	60"	120"	766.00	25859
1/2"	GR 50	60"	120"	1021.00	27759

## P&O PLATES

### CS-B

Gauge	Description	Width	Length	Wt. Per Piece	Item #
3/16"	CS-B	48"	74"	188.95	44998
3/16"	CS-B	48"	96"	245.12	44999
3/16"	CS-B	48"	98"	250.23	45000
3/16"	CS-B	48"	120"	306.40	42582
3/16"	CS-B TP	48"	74"	188.95	45001
3/16"	CS-B TP	48"	86"	219.59	45002
3/16"	CS-B TP	48"	96"	245.12	45003
3/16"	CS-B TP	48"	98"	250.23	45004
3/16"	CS-B TP	48"	190"	485.13	45005
1/4"	CS-B	48"	96"	326.72	42590
1/4"	CS-B	48"	120"	408.40	42591
1/4"	CS-B	60"	144"	612.60	45008
1/4"	CS-B	60"	162"	689.18	45009
1/4"	CS-B TP	36"	98"	250.15	42593
1/4"	CS-B TP	48"	96"	326.72	42595
1/4"	CS-B TP	48"	120"	408.40	42596
1/4"	CS-B TP	60"	120"	510.50	45010
5/16"	CS-B	48"	120"	510.40	42605

INQUIRE REGARDING: Other grades & sizes

**PLATE**  
**Grade 80**

Gauge	Description	Width	Length	Wt. Per Piece	Item #
3/16"	GR 80	60"	120"	383.00	26224
1/4"	GR 80	48"	120"	408.40	18061
1/4"	GR 80	60"	120"	510.50	26865
1/4"	GR 80	72"	120"	612.60	32622
5/16"	GR 80	60"	120"	638.00	30012
3/8"	GR 80	48"	120"	612.80	20186
3/8"	GR 80	60"	120"	766.00	31190
1/2"	GR 80	60"	120"	1021.00	30536
3/4"	GR 80	96"	240"	4900.80	24069

**PLATE**  
**Grade 100**

Gauge	Description	Width	Length	Wt. Per Piece	Item #
3/16"	GR 100	60"	120"	383.00	33646
1/4"	GR 100	60"	120"	510.50	25185
1/4"	GR 100	60"	240"	1021.00	25702
5/16"	GR 100	60"	120"	638.00	25029
3/8"	GR 100	60"	120"	766.00	19435

INQUIRE REGARDING: Other grades & sizes



# PLATE

## CS-B

Gauge	Description	Width	Length	Wt. Per Piece	Item #
3/16"	CS-B	48"	96"	244.80	49877
3/16"	CS-B	48"	120"	306.00	49875
3/16"	CS-B	48"	144"	367.20	49876
3/16"	CS-B	60"	120"	383.00	26277
3/16"	CS-B	60"	144"	459.00	49879
3/16"	CS-B	72"	120"	459.00	49885
3/16"	CS-B	72"	144"	550.80	49886
3/16"	CS-B	72"	240"	918.00	49887
3/16"	CS-B	72"	288"	110.60	49888
1/4"	CS-B	48"	96"	326.72	49842
1/4"	CS-B	48"	120"	408.40	49841
1/4"	CS-B	60"	120"	510.50	26298
1/4"	CS-B	60"	144"	612.60	49844
1/4"	CS-B	60"	240"	1021.00	49845
1/4"	CS-B	72"	120"	612.60	49851
1/4"	CS-B	72"	144"	735.12	49852
1/4"	CS-B	72"	240"	1225.20	49853
1/4"	CS-B	72"	288"	1470.24	49854
1/4"	CS-B	72"	360"	1837.80	49855
5/16"	CS-B	48"	96"	408.32	49917
5/16"	CS-B	60"	120"	638.00	49918
3/8"	CS-B	48"	96"	490.24	49907
3/8"	CS-B	48"	120"	612.80	49906
3/8"	CS-B	60"	120"	766.00	26016
3/8"	CS-B	72"	120"	919.20	26065
3/8"	CS-B	72"	144"	1103.04	49909
1/2"	CS-B	48"	96"	653.44	49826
1/2"	CS-B	48"	120"	816.80	49825
1/2"	CS-B	60"	120"	1021.00	27954
1/2"	CS-B	60"	240"	2042.00	49828

INQUIRE REGARDING: Other grades & sizes

# SAFETY FLOOR PLATE

Gauge	Width	Length	Wt. Per Piece	Item #
14 Ga.	48"	96"	120	01635
14 Ga.	48"	120"	150	01642
12 Ga.	48"	96"	168	01626
12 Ga.	48"	120"	210	01629
12 Ga.	48"	144"	252	01632
12 Ga.	60"	96"	210	05342
12 Ga.	60"	120"	263	05343
12 Ga.	60"	144"	315	05344
1/8"	48"	96"	197	01668
1/8"	48"	120"	246	01674
1/8"	48"	144"	296	01676
1/8"	60"	96"	246	01678
1/8"	60"	120"	308	01680
1/8"	60"	144"	370	01681
1/8"	72"	96"	296	01682
1/8"	72"	120"	370	01684
1/8"	72"	144"	443	01686
3/16"	48"	96"	279	01690
3/16"	48"	120"	348	01692
3/16"	48"	144"	418	25890
3/16"	60"	96"	348	01693
3/16"	60"	120"	436	01694
3/16"	60"	144"	523	01695
3/16"	72"	96"	418	04693
3/16"	72"	120"	523	01699
3/16"	72"	144"	627	01701
3/16"	72"	240"	1045	01703
3/16"	96"	240"	1394	29041
1/4"	48"	96"	360	01706
1/4"	48"	120"	450	01708
1/4"	48"	144"	541	01710
1/4"	60"	96"	450	02048
1/4"	60"	120"	563	01712
1/4"	60"	144"	676	02050
1/4"	60"	240"	1126	05090
1/4"	72"	96"	541	02051
1/4"	72"	120"	676	01713
1/4"	72"	144"	811	01715
1/4"	72"	240"	1351	01716
1/4"	96"	240"	1802	23579
3/8"	48"	96"	524	01719
3/8"	48"	120"	655	01721
1/2"	48"	96"	687	01722
1/2"	48"	120"	859	02171

# REINFORCING BAR

# REINFORCING BAR SPECIFICATIONS

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Most of our stock Carbon Reinforcing Bar (Rebar) is certified to ASTM A615 and is typically available in both Grade 40 and Grade 60, depending on your application needs. While Grade 40 is common for non-commercial projects, the higher minimum yield and tensile strength properties of Grade 60 provide a more durable, yet cost-effective choice for construction purposes. ASTM A706 Grade 60 weldable rebar may also be available at some locations.

# REINFORCING BAR

Size	Bar No.	Grade	Lbs./Ft.	Lbs./20'	Lbs./40'	Item #
3/8	3	GR40	.376	7.52	15.04	01361
3/8	3	GR60	.376	7.52	15.04	01365
1/2	4	GR40	.668	13.36	26.72	01378
1/2	4	GR60	.668	13.36	26.72	01380
5/8	5	GR40	1.043	20.86	41.72	01388
5/8	5	GR60	1.043	20.86	41.72	01393
3/4	6	GR60	1.502	30.04	60.08	01410
7/8	7	GR60	2.044	40.88	81.76	01422
1	8	GR60	2.670	53.40	106.80	01427



# ROUNDS

# ROUNDS SPECIFICATIONS

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## **Cold Drawn Rounds**

Our stock Carbon Cold Drawn Rounds are certified to ASTM A108 in Grades C1018 and C1045, with the Grade C1144 rounds typically certified as a Class B under the stress relieved specification ASTM A311. C1018 products are common for general use, with low carbon and medium manganese making them readily weldable. C1045 products are a medium carbon steel with higher strength than the C1018 Grade and respond well to heat treatment. Common applications for C1045 products include gears, bolts, studs, and machine parts.

The ASTM A311 Grade C1144 Class B products have higher sulfur content to aid in machining processes but have also been cold worked to produce higher mechanical properties (100 KSI minimum yield strength and 115 KSI minimum tensile strength) than the similar carbon content C1045 Grade and come with reported mechanical properties on the mill certificate. The stress relief process on the C1144 products following the cold working make them ideal for high strength, high stress, and fatigue prone applications.

## **Hot Rolled Rounds**

Our stock carbon Hot Rolled Rounds 3/4" diameter and above are dual certified to ASTM A36 and ASTM A529 Grade 50 and are ideal for structural applications. Below 3/4" diameter we typically carry both the traditional ASTM A36 structural rounds and a Max .13 Carbon version that is meant to be more formable for general or decorative applications and is generally not intended for structural use.



# COLD DRAWN ROUNDS

## C1018, C1045, Stress Relieved C1144 / 12' & 20' Lengths

Size	Lbs./Ft.	Lbs./20'	C1018 Item #	C1045 Item #	C1144 Item #
1/8	.042	.84	01298		
3/16	.094	1.88	01299		
1/4	.167	3.34	01302		
5/16	.261	5.22	01304		
3/8	.375	7.52	01306		
7/16	.511	10.22	01308		
1/2	.668	13.36	01311	01396	01509
9/16	.845	16.90	01316		
5/8	1.040	20.80	01318	01399	01516
11/16	1.260	25.20	01319		
3/4	1.500	30.00	01322	01401	01521
13/16	1.760	35.20	01325		
7/8	2.045	40.90	01327	01402	01522
15/16	2.350	47.00	01328		01525
1	2.670	53.40	01330	01404	01530
1 1/8	3.380	67.60	01335	01405	01535
1 3/16	3.770	75.40	01337		01538
1 1/4	4.170	83.40	01344	01411	01542
1 5/16	4.600	92.00	01345		
1 3/8	5.050	101.00	01347	01412	01547
1 7/16	5.520	110.40	01348	01414	01553
1 1/2	6.010	120.20	01350	01417	01560
1 5/8	7.050	141.00	01352	01419	
1 3/4	8.180	163.60	01353	01420	01569
1 7/8	9.390	187.80	01354	01421	01570
1 15/16	10.020	200.40	01356	01423	01572
2	10.680	213.60	01357	01424	01574
2 3/16	12.780	255.60	01358	01426	01578
2 1/4	13.520	270.40	01360	01428	01582
2 3/8	15.060	301.20	01362		
2 7/16	15.870	317.40	01363	01432	01585
2 1/2	16.690	333.80	01366	01433	01590
2 3/4	20.190	403.80	01369	01435	
2 15/16	23.040	460.80	01370	01437	
3	24.030	480.60	01372	01441	04690
3 7/16	31.550	631.00	04688	30481	
3 1/2	32.710	654.20	01990	01444	
4	42.730	854.60	01375		
5	66.76	1335.20		49991	

# HOT ROLLED ROUNDS

## MBQ—A36 and A529 Grade 50

Size	Grade	Length	Lbs./Ft.	Lbs./Piece	Item #
1/4	A36	10'	.167	1.67	49956
1/4	A36	20'	.167	3.34	37474
3/8	A36	10'	.376	3.76	49978
3/8	A36	20'	.376	7.52	39227
1/2	A36	20'	.668	13.36	00435
9/16	A36	20'	.845	16.90	00440
5/8	A36	20'	1.043	20.86	00443
5/8	A36	40'	1.043	41.72	00446
3/4	A36 GR50	20'	1.502	30.04	00448
3/4	A36 GR50	40'	1.502	60.08	00450
7/8	A36 GR50	20'	2.045	40.88	00451
7/8	A36 GR50	40'	2.045	81.80	00452
1	A36 GR50	20'	2.670	53.40	00454
1	A36 GR50	40'	2.670	106.80	00458
1 1/8	A36 GR50	20'	3.380	67.60	00461
1 1/4	A36 GR50	20'	4.172	83.44	00465
1 3/8	A36 GR50	20'	5.049	100.98	00468
1 1/2	A36 GR50	20'	6.008	120.16	00470
1 3/4	A36 GR50	20'	8.180	163.60	00474
2	A36 GR50	20'	10.680	213.60	00477
2 1/2	A36 GR50	20'	16.690	333.80	00486
6 1/2	A36	10'	38.05	380.50	49998

# SQUARES

# SQUARES SPECIFICATIONS

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## **Cold Drawn Squares**

Like our stock Cold Drawn Flats, most of our stock Carbon Cold Drawn Squares are certified to ASTM A108 Grade C1018. These low carbon products have a medium manganese content that make them readily weldable and are suitable for general purpose applications. C1018 Cold Drawn Squares also provide good case hardening and fair machinability properties. ASTM A108 products are typically not tensile tested by the producers so no yield, tensile, or elongation percentages will be shown on the test reports, only the chemical composition is required.

## **Hot Rolled Squares**

Our stock carbon Hot Rolled Squares are certified to ASTM A36, with 36 KSI minimum yield strength and a tensile strength range of 58-80 KSI, they can be used for structural applications as well as general purpose use.

# COLD DRAWN SQUARES

## C1018

Size	Lbs./Ft.	Lbs./12'	Item #
1/4	.213	2.56	01286
5/16	.332	3.98	01287
3/8	.478	5.74	01288
1/2	.850	10.20	01290
5/8	1.330	15.96	01291
3/4	1.910	22.92	01292
7/8	2.600	31.20	01293
1	3.400	40.80	01294
1 1/8	4.300	51.60	01295
1 1/4	5.310	63.72	01296
1 1/2	7.650	91.80	18712
2	13.600	163.20	02206

# HOT ROLLED SQUARES

## A36

Size	Lbs./Ft.	Lbs./20'	Item #
3/8	.478	9.56	01468
1/2	.850	17.00	01478
5/8	1.328	26.56	01479
3/4	1.913	38.26	01481
7/8	2.603	52.06	01483
1	3.402	68.04	01485
1 1/4	5.316	106.23	01487
1 1/2	7.655	153.10	01489
2	13.600	272.00	01492



ALUMINUM





# LETTERS SHEET

# SHEET SPECIFICATIONS

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## **Aluminum**

Our stock Aluminum Sheets are primarily certified to ASTM B209 5052-H32. The 5052-H32 sheet products have very good corrosion resistance, good workability, weldability, and strength (23 KSI minimum yield strength and a range of 31-38 KSI tensile strength).

# ALUMINUM SHEET

## 5052 H32

Gauge	Description	Width	Length	Wt. Per Piece	Item #
.063	5052 H32	48"	96"	28.16	51089
.063	5052 H32	60"	144"	52.80	51090
.080	5052 H32	48"	120"	55.85	38838
.080	5052 H32	48"	144"	53.28	51092
.080	5052 H32	60"	96"	35.74	47683
.080	5052 H32	60"	144"	66.60	51093
.080	5052 H32	60"	192"	88.80	51094
.080	5052 H32	72"	120"	66.60	51096
.080	5052 H32	72"	144"	79.92	51097
.090	5052 H32	48"	144"	60.00	51100
.100	5052 H32	48"	240"	111.20	51103
.100	5052 H32	48"	120"	69.85	47127
.100	5052 H32	60"	144"	66.72	51102
.125	5052 H32	48"	96"	55.68	51109
.125	5052 H32	48"	120"	69.84	44369
.125	5052 H32	48"	144"	83.81	44363
.125	5052 H32	48"	240"	139.20	51110
.125	5052 H32	60"	96"	69.84	44352
.125	5052 H32	60"	120"	87.30	38738
.125	5052 H32	60"	144"	104.40	51115
.125	5052 H32	60"	240"	104.40	51114
.125	5052 H32	72"	120"	104.40	51116
.125	5052 H32	72"	144"	125.28	51117
.125	5052 H32	72"	240"	208.80	51119
.160	5052 H32	48"	96"	71.36	51122
.160	5052 H32	48"	120"	89.20	51121
.160	5052 H32	60"	300"	278.75	51124
.160	5052 H32	60"	360"	334.50	51125
.190	5052 H32	48"	96"	84.93	44379
.190	5052 H32	48"	120"	106.16	44380
.190	5052 H32	48"	144"	127.39	44381
.190	5052 H32	60"	120"	132.90	39787
.190	5052 H32	60"	144"	159.48	40246
.190	5052 H32	72"	120"	159.48	51132
.250	5052 H32	48"	96"	11.74	44389
.250	5052 H32	48"	120"	139.68	44390
.250	5052 H32	48"	144"	167.62	45450
.250	5052 H32	60"	96"	139.68	44392
.250	5052 H32	60"	120"	174.60	44391

INQUIRE REGARDING: Painted aluminum stock, available finishes,  
and protective covering options

# ALUMINUM FLOOR PLATES

## 3003 H22

Description		Width	Est. Wt. Per Sq. Ft.	Item #
Thickness	Type			
.045	3003 H22	48"	.699	43963
.063	3003 H22	48"	.979	43971
.063	3003 H22	60"	.979	43972
.080	3003 H22	48"	1.24	50984
.080	3003 H22	48"	1.24	50985
.100	3003 H22	48"	1.555	43977
.100	3003 H22	60"	1.555	50989
.125	3003 H22	48"	1.944	43978
.125	3003 H22	60"	1.944	43979
.188	3003 H22	48"	2.814	43980
.190	3003 H22	48"	2.924	50991
.190	3003 H22	48"	2.924	50992
.190	3003 H22	60"	2.924	50993
.250	3003 H22	48"	3.670	50994
.250	3003 H22	48"	3.670	50995
.250	3003 H22	60"	3.670	50996
.250	3003 H22	60"	3.670	50997

# ALUMINUM FLOOR PLATES

## 4017 H22

Description		Width	Est. Wt. Per Sq. Ft.	Item #
Thickness	Type			
.045	4017 H22	48"	.699	44083
.056	4017 H22	48"	.870	44088
.056	4017 H22	60"	.870	44090
.063	4017 H22	48"	.979	44094
.072	4017 H22	48"	1.119	44098
.072	4017 H22	60"	1.119	45423
.090	4017 H22	60"	1.399	44100
.125	4017 H22	48"	1.944	44103
.125	4017 H22	60"	1.944	44104

COLL

# COIL SPECIFICATIONS

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We stock a wide variety of coils and can provide pup coils to ID/OD/Weight, conventional leveling to length, slitting to width, blanking to size, and cold reduction temper leveling to lengths of up to 60+ feet.

Our in-house chemical, mechanical, and Charpy testing capabilities combined with ASTM involvement and rigorous material validation processes allow us to certify our coil products to the most current ASTM coil and sheet standards as well as structural plate specifications with confidence.

Please see typical stock specification and Grade information under the Sheet and Plate sections in this book.

\*All coil products can be cut to sheet.

## ALUMINUM TOLERANCE RANGES

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Aluminum					
Thickness Tolerance Ranges					
Thickness	Pounds Per Sq. Ft.		Thickness Tolerance (+/-)		
	3003-H14	5052-H32	36" Wide	48" Wide	60" Wide
.025	0.356	0.349	.0015	.0020	.0030
.032	0.456	0.447	.0020	.0025	.0035
.040	0.570	0.559	.0025	.0035	.0045
.050	0.713	0.698	.0030	.0035	.0050
.063	0.898	0.880	.0030	.0035	.0050
.080	1.140	1.117	.0035	.0045	.0060
.090	1.283	1.257	.0035	.0045	.0060
.100	1.426	1.397	.0045	.0060	.0070
.125	1.782	1.746	.0045	.0060	.0070
.190	2.709	2.654	.0070	.0090	.0110
.250	3.564	3.492	.0120	.0140	.0150

# ALUMINUM COIL

## 3003 H14

Gauge	Width	Wt./Sq. Ft.	Item #
.020	36"	.285	43890
.020	48"	.285	43891
.020	60"	.285	45379
.025	48"	.365	43897
.032	36"	.456	43907
.032	48"	.456	43908
.040	48"	.570	43914
.040	60"	.570	43916
.050	36"	.712	43926
.050	48"	.712	43927
.050	60"	.712	43929
.063	36"	.898	43933
.063	48"	.898	43935
.063	60"	.898	43936
.080	48"	1.140	43941
.080	60"	1.140	43942
.090	48"	1.283	43943
.090	60"	1.283	43944
.100	48"	1.425	43951
.100	60"	1.425	43953
.125	48"	1.782	43958
.125	60"	1.782	43959

INQUIRE REGARDING: Painted aluminum stock, available finishes,  
and protective covering options

# ALUMINUM COIL

## 5052 H32

Gauge	Width	Wt./Sq. Ft.	Item #
.032	48"	.446	44173
.040	48"	.558	44177
.060	36"	.698	44180
.060	48"	.698	44181
.060	60"	.698	44182
.063	36"	.879	44187
.063	48"	.879	44188
.063	60"	.879	44189
.063	72"	.879	44190
.080	36"	1.117	44197
.080	48"	1.117	44198
.080	60"	1.117	44199
.090	36"	1.257	44207
.090	48"	1.257	44208
.090	60"	1.257	44209
.100	48"	1.396	44220
.100	60"	1.396	44222
.125	36"	1.746	44235
.125	48"	1.746	44236
.125	60"	1.746	44237
.160	48"	2.234	44252
.190	48"	2.653	44255
.190	60"	2.653	44256
.250	48"	3.492	44259
.250	60"	3.492	44260

INQUIRE REGARDING: Painted aluminum stock, available finishes,  
and protective covering options



## ALUMINUM COIL 5052 H38

Gauge	Width	Wt./Sq. Ft.	Item #
.100	48"	1.396	44228
.125	48"	1.746	44247

## ALUMINUM COIL 5052 H111

Gauge	Width	Wt./Sq. Ft.	Item #
.063	44"	.879	45437
.063	48"	.879	44185
.063	51"	.879	45438
.063	59"	.879	44186
.080	56"	1.117	44195

## ALUMINUM COIL Wide Roof Coil—3003 H16

Gauge	Width	Wt./Sq. Ft.	Item #
.025	61"	.356	43899
.025	70 1/2"	.356	43900
.025	73"	.356	43901
.025	82.1/2"	.356	43903
.025	89"	.356	43904
.025	92 3/4"	.356	43905
.040	69 3/4"	.570	45381
.040	78"	.570	45382
.040	79"	.570	45383
.040	84"	.570	43919
.040	87"	.570	43920
.040	89 1/2"	.570	43921
.040	92"	.570	43922

INQUIRE REGARDING: Painted aluminum stock, available finishes,  
and protective covering options



# PLATE

# PLATE SPECIFICATIONS

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## **Aluminum Plate**

Our stock Aluminum Plates are certified to either ASTM B209 5052-H32 or 5086-H116. The 5052-H32 products have very good corrosion resistance, good workability, weldability, and strength (23 KSI minimum yield strength and a range of 31-38 KSI tensile strength). The 5086-H116 products resist stress corrosion and superior atmospheric corrosion resistance, along with slightly less workability than the 5052-H32 products due to the higher strength properties (28 KSI minimum yield strength and a range of 40-52 KSI tensile strength).

# ALUMINUM PLATE

## 5052 H32

Description		Width	Length	Wt. Per Piece	Item #
Thickness	Type				
.250	5052 H32	48"	96"	117.12	50959
.250	5052 H32	48"	144"	175.68	50958
.250	5052 H32	60"	120"	174.50	50962
.250	5052 H32	60"	144"	209.40	50963
.250	5052 H32	72"	120"	209.40	50968
.250	5052 H32	72"	240"	418.80	50969
.375	5052 H32	48"	144"	251.04	50978

# ALUMINUM PLATE

## 5086 H116

Description		Width	Length	Wt. Per Piece	Item #
Thickness	Type				
.250	5086 H116	60"	144"	219.60	50966
.250	5086 H116	96"	240"	553.77	50972
.250	5086 H116	96"	300"	692.21	50973
.375	5086 H116	96"	300"	1098.00	50979

INQUIRE REGARDING: Other grades & sizes

# ALUMINUM FLOOR PLATES

## 3003 H22

Description		Width	Est. Wt. Per Sq. Ft.	Item #
Thickness	Type			
.045	3003 H22	48"	.699	43963
.063	3003 H22	48"	.979	43971
.063	3003 H22	60"	.979	43972
.080	3003 H22	48"	1.24	50984
.080	3003 H22	48"	1.24	50985
.100	3003 H22	48"	1.555	43977
.100	3003 H22	60"	1.555	50989
.125	3003 H22	48"	1.944	43978
.125	3003 H22	60"	1.944	43979
.188	3003 H22	48"	2.814	43980
.190	3003 H22	48"	2.924	50991
.190	3003 H22	48"	2.924	50992
.190	3003 H22	60"	2.924	50993
.250	3003 H22	48"	3.670	50994
.250	3003 H22	48"	3.670	50995
.250	3003 H22	60"	3.670	50996
.250	3003 H22	60"	3.670	50997

# ALUMINUM FLOOR PLATES

## 4017 H22

Description		Width	Est. Wt. Per Sq. Ft.	Item #
Thickness	Type			
.045	4017 H22	48"	.699	44083
.056	4017 H22	48"	.870	44088
.056	4017 H22	60"	.870	44090
.063	4017 H22	48"	.979	44094
.072	4017 H22	48"	1.119	44098
.072	4017 H22	60"	1.119	45423
.090	4017 H22	60"	1.399	44100
.125	4017 H22	48"	1.944	44103
.125	4017 H22	<b>60"</b>	1.944	44104

# ROUNDS

# ROUNDS SPECIFICATIONS

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## **Aluminum Rounds**

Most of our stock Aluminum Rounds are certified to ASTM B221 6061-T6. These are a versatile heat treatable product that offers good strength and corrosion resistance, but less machinability for screw stock applications, and requires very liberal bending radius if attempting to form.



# ALUMINUM ROUNDS

## 6061 T6

Size	Length	Wt. Per Piece	Item #
1/4"	144"	.06	51019
3/8"	144"	1.56	51032
7/16"	144"	2.16	51040
1/2"	144"	2.76	51015
5/8"	144"	4.32	51037
3/4"	144"	6.12	51029
7/8"	120"	7.00	51042
7/8"	144"	8.40	51043
1"	144"	11.04	51002
1 1/8"	120"	12.00	51007
1 1/8"	144"	14.40	51008
1 1/4"	144"	17.76	51006
1 1/2"	144"	25.56	51004
1 3/8"	144"	20.88	51011
1 5/8"	144"	29.52	51012
1 3/4"	144"	34.92	51010
2"	144"	45.24	00480
2 1/4"	144"	57.72	51022
2 1/2"	144"	61.12	51020
3"	144"	101.76	51024
3 1/2"	144"	135.60	51025
6"	144"	398.52	51039



TUBE

# TUBING SPECIFICATIONS

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## **Aluminum Rectangular Tubing**

Most of our stock Aluminum Rectangular Tubing is certified to ASTM B221 6061-T6. These heat treatable products have many mechanical applications, and with roughly double the strength of the non-heat treatable 3003 H14 products, can be utilized in some structural applications as well. They are readily weldable and provide good workability and corrosion resistance.

## **Aluminum Square Tubing**

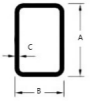
Our stock Square Aluminum Tubing is also certified as either ASTM B221 6061-T6 or 6063-T52, depending on your application needs. Both alloys are heat treatable, readily weldable, and provide good workability. The finish on the 6063-T52 typically lends itself for architectural applications, while the strength of the 6061-T6 makes it a better fit for structural uses.

## **Aluminum Round Tubing**

Our stock Round Aluminum Tubing is certified as either ASTM B221 6061-T6 or 6063-T52 and in some OD's we have both available, depending on your application needs. The 6063-T52 products are highly corrosion resistant, and with a finish suitable for anodizing, are typically used in architectural applications. The 6061-T6 products are more commonly used where more strength is required, and still offer good corrosion resistance, workability, and weldability.

# ALUMINUM RECTANGULAR TUBE

## 6061 T6



Size		Gauge	Length	Wt. Lbs./Ft	Item #
A	B	C			
1 1/2	X 1	1/8"	240"	13.40	51163
2	X 1	1/8"	240"	16.00	51185
2	X 1 1/2	1/8"	240"	19.60	51183
3	X 1	1/8"	240"	22.60	51204
3	X 1 1/2	1/8"	240"	25.00	51201
3	X 2	1/8"	240"	28.40	51207
3	X 2	1/4"	240"	54.00	51210
4	X 1 1/2	1/8"	240"	31.40	51221
4	X 2	1/8"	240"	33.80	51224
4	X 2	3/16"	240"	49.60	51227
4	X 2	1/4"	240"	64.00	51230
4	X 3	1/4"	240"	78.00	51233
6	X 2	1/4"	240"	85.60	51243
6	X 4	1/4"	240"	114.00	51246
8	X 4	1/4"	240"	135.20	51249

# ALUMINUM ROUND TUBE

## 6061 / 6063 Alloys



Size (OD)	Description	Length	Item #
A	B		
3/8"	.091 6061 T6	240"	50942
3/4"	.147 6061 T6	240"	51070
.84"	.147 6061 T6	240"	50921
.84"	12 Ga. 6063 T52	240"	50919
7/8"	16 Ga. 6063 T52	252	51078
7/8"	16 Ga. 6063 T52	288	50179
1"	.063 6061 T6	240"	51055
1"	1/8" 6061 T6	240"	51058
1"	1/4" 6061 T6	240"	51060
1.05"	.113 6063 T52	240"	50939
1.05"	.113 6063 T6	240"	50941
1 1/4"	1/8" 6061 T6	240"	51051
1 1/4"	1/4" 6061 T6	240"	51053
1.315"	.133 6061 T6	240"	50923
1.315"	.133 6061 T6	288"	50924
1.315"	.179 6061 T6	288"	50928
1.315"	.133 6063 T52	240"	50926
1 1/2"	1/8" 6063 T52	288"	51048
1 1/2"	1/8" 6061 T6	240"	51047
1 1/2"	1/4" 6061 T6	240"	51049
1.66"	.14 6061 T6	240"	50914
1.66"	.14 6063 T52	240"	50916
1.66"	.14 6063 T6	240"	50917
1.9"	.145 6061 T6	240"	50907
1.9"	.145 6063 T52	240"	50909
1.9"	.145 6063 T6	240"	50910
1.9"	.2 6061 T6	240"	50912
2"	1/8" 6061 T6	240"	51065
2 3/8"	.154 6061T6	240"	50936
2 3/8"	.218 6061 T6	240"	50937
2 1/2"	16 Ga. 6061 T6	240"	51062
2 7/8"	.203 6061 T6	240"	50932
2 7/8"	.203 6061 T6	252"	50933
2 7/8"	.276 6061 T6	240"	50934
3"	1/8" 6061 T6	240"	51072
3 1/2"	11 Ga. 6061 T6	240"	50943
3 1/2"	.216 6061 T6	240"	50945
4"	.226 601 T6	240"	50938
4 1/2"	.237 6061 T6	240"	50948
6"	1/8" 6061 T6	240"	51076
12 3/4"	1/4" 6061 T6	240"	50930

# ALUMINUM SQUARE TUBE

## 6061 T6



Size			Gauge	Length	Wt. Lbs./Ft	Item #
A			B			
1	X	1	1/8"	240"	.52	51176
1 1/4	X	1 1/4	.13	240"	.67	51168
1 1/2	X	1 1/2	16 Ga.	288"	.42	51148
1 1/2	X	1 1/2	16 Ga.	240"	.42	51150
1 1/2	X	1 1/2	.13	240"	.81	41021
1 1/2	X	1 1/2	.19	240"	1.18	51160
1 3/4	X	1 3/4	.13	240"	.92	51172
2	X	2	1/8"	240"	1.13	41029
2	X	2	3/16"	240"	1.63	51193
2	X	2	1/4"	240"	2.05	51197
2 1/2	X	2 1/2	1/4"	240"	2.70	51182
3	X	3	1/8"	240"	1.67	51212
3	X	3	3/16"	240"	2.53	51215
3	X	3	1/4"	240"	3.30	51218
4	X	4	1/8"	240"	2.33	51235
4	X	4	3/16"	240"	3.35	51237
4	X	4	1/4"	240"	4.50	51239

# ALUMINUM SQUARE TUBE

## 6063 T52



Size			Gauge	Length	Wt. Lbs./Ft	Item #
A			B			
1/2"	X	1/2"	.062	288"	.12	51173
1	X	1	1/8"	288"	.52	51180
1 1/4	X	1 1/4	16 Ga.	288"	.35	51165
1 1/4	X	1 1/4	.13	288"	.67	51170
1 1/2	X	1 1/2	16 Ga.	288"	.42	51152
1 1/2	X	1 1/2	.13	240"	.82	51157
1 1/2	X	1 1/2	.13	288"	.82	51156
2	X	2	3/16"	240"	1.63	51195





STAINLESS



# ANGLES

# ANGLE SPECIFICATIONS

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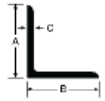
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## **Stainless Steel Angles**

Most of our stock Stainless Steel Angles are certified to ASTM A276 Type 304. Some are also available in the extra low carbon Grade of Type 304L to help with welded applications in severely corrosive environments.

# STAINLESS ANGLES

## Type 304



Size					Lbs./Ft.	Lbs./20'	Item #
A		B		C			
1	X	1	X	1/8	.80	16.00	37349
1	X	1	X	3/16	1.16	23.20	37350
1	X	1	X	1/4	1.49	29.80	37764
1 1/4	X	1 1/4	X	1/8	1.01	20.20	37761
1 1/4	X	1 1/4	X	3/16	1.48	29.60	37762
1 1/2	X	1 1/2	X	1/8	1.23	24.60	37351
1 1/2	X	1 1/2	X	3/16	1.80	36.00	37352
1 1/2	X	1 1/2	X	1/4	2.34	46.80	37353
2	X	2	X	1/8	1.65	33.00	37354
2	X	2	X	3/16	2.44	48.80	37355
2	X	2	X	1/4	3.19	63.80	37356
2	X	2	X	3/8	4.70	94.00	37765
2 1/2	X	2 1/2	X	3/16	3.07	61.40	37766
2 1/2	X	2 1/2	X	1/4	4.10	82.00	37767
2 1/2	X	2 1/2	X	3/8	5.90	118.00	37768
3	X	3	X	3/16	3.71	74.20	37359
3	X	3	X	1/4	4.90	98.00	37358
3	X	3	X	3/8	7.20	144.00	37769



# LETTERS SHEET

# SHEET SPECIFICATIONS

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## **Stainless Steel**

We stock several different types of Stainless Steel Sheets, with even more options for protection depending on your application needs, but types all are certified to ASTM A240. The Austenitic 300 series types of 301 and 304/304L are non-magnetic (but typically more formable) due to the higher nickel content, while the Ferritic 400 series types of 430 and 441 are magnetic. Finishes of at least 2B quality are standard on our stock sheet products, with a polished #4 finish also available in some sizes. Both 300 and 400 series contain at least 10.5% Chromium to provide good corrosion resistance.



# STAINLESS STEEL SHEET

## 301

Gauge	Description	Width	Length	Wt. Per Piece	Item #
20 Ga.	301	48"	96"	48.38	43706
20 Ga.	301	48"	120"	60.48	43707
18 Ga.	301	36"	96"	48.38	43620
18 Ga.	301	36"	120"	60.48	43621
18 Ga.	301	36"	144"	72.58	43622
18 Ga.	301	48"	96"	64.51	43623
18 Ga.	301	48"	120"	80.64	43624
18 Ga.	301	48"	144"	96.77	43625
18 Ga.	301	60"	120"	100.80	43626
18 Ga.	301	60"	144"	120.96	43627
16 Ga.	301	36"	96"	60.48	43579
16 Ga.	301	36"	120"	75.60	43580
16 Ga.	301	36"	144"	90.72	43581
16 Ga.	301	48"	96"	80.64	43582
16 Ga.	301	48"	144"	120.96	43584
16 Ga.	301	60"	120"	126.00	43585
16 Ga.	301	60"	144"	151.20	43586
14 Ga.	301	36"	144"	113.40	43541
14 Ga.	301	48"	96"	100.80	43542
14 Ga.	301	48"	120"	126.00	43543
14 Ga.	301	48"	144"	151.20	43544

# STAINLESS STEEL SHEET

## 304/304L

Gauge	Description	Width	Length	Wt. Per Piece	Item #
26 Ga.	304	48"	96"	24.19	43796
26 Ga.	304	48"	120"	30.24	43797
24 Ga.	304	48"	96"	32.32	43783
24 Ga.	304	48"	120"	40.40	43784
24 Ga.	304L	48"	120"	40.40	43786
24 Ga.	304	48"	96"	32.32	43788
24 Ga.	304	48"	120"	40.40	43787
22 Ga.	304	36"	120"	37.80	43769
22 Ga.	304	48"	96"	40.32	43755
22 Ga.	304	48"	120"	50.41	43756

# STAINLESS STEEL SHEET

## 304/304L

Gauge	Description	Width	Length	Wt. Per Piece	Item #
22 Ga.	304	60"	96"	50.41	43752
22 Ga.	304	60"	120"	63.01	43757
20 Ga.	304L	48"	120"	60.48	43719
20 Ga.	304	36"	96"	36.29	43715
20 Ga.	304	36"	120"	45.36	43729
20 Ga.	304	48"	96"	48.38	43716
20 Ga.	304	48"	120"	60.48	43717
20 Ga.	304	60"	96"	60.48	43712
20 Ga.	304	60"	120"	75.60	43718
18 Ga.	304L	48"	120"	80.64	43640
18 Ga.	304	36"	96"	48.38	43629
18 Ga.	304	36"	120"	60.48	43660
18 Ga.	304	36"	144"	72.58	45318
18 Ga.	304	48"	96"	64.51	45316
18 Ga.	304	48"	120"	80.64	43638
18 Ga.	304	48"	144"	96.77	45320
18 Ga.	304	60"	96"	80.64	43635
18 Ga.	304	60"	120"	100.80	37397
16 Ga.	304	36"	96"	60.48	43591
16 Ga.	304	36"	120"	75.60	43592
16 Ga.	304	36"	144"	90.72	43607
16 Ga.	304	48"	96"	80.64	43508
16 Ga.	304	48"	120"	100.80	37393
16 Ga.	304	48"	144"	120.96	45312
16 Ga.	304	60"	96"	100.80	43605
16 Ga.	304	60"	120"	126.00	37398
14 Ga.	304	36"	96"	75.60	43549
14 Ga.	304	36"	120"	94.50	43550
14 Ga.	304	48"	96"	126.00	37394
14 Ga.	304	48"	120"	100.80	38258
14 Ga.	304	48"	144"	151.20	43570
14 Ga.	304	60"	96"	126.00	38257
14 Ga.	304	60"	120"	157.50	38729
14 Ga.	304	60"	144"	189.00	43568
13 Ga.	304	48"	96"	120.96	43536

# STAINLESS STEEL SHEET

## 304/304L

Gauge	Description	Width	Length	Wt. Per Piece	Item #
12 Ga.	304	36"	96"	105.84	43522
12 Ga.	304	36"	120"	132.30	43523
12 Ga.	304	36"	144"	158.76	43524
12 Ga.	304	48"	96"	141.12	38259
12 Ga.	304	48"	120"	176.40	38732
12 Ga.	304	48"	144"	211.68	43527
12 Ga.	304/304L	60"	96"	176.40	39529
12 Ga.	304/304L	60"	120"	220.50	37399
12 Ga.	304	60"	144"	264.60	43528
11 Ga.	304/304L	48"	96"	161.28	38185
11 Ga.	304/304L	48"	120"	201.60	37395
11 Ga.	304/304L	60"	120"	252.00	37400
10 Ga.	304L	48"	96"	181.44	38405
10 Ga.	304	48"	96"	181.44	43492
10 Ga.	304L	48"	120"	226.80	37401
10 Ga.	304	48"	120"	226.80	51377
10 Ga.	304	60"	96"	226.80	43494
10 Ga.	304L	60"	120"	283.50	37402
10 Ga.	304	60"	120"	283.50	51378
7 Ga.	304	48"	96"	251.87	43805
7 Ga.	304L	48"	120"	314.84	45331
7 Ga.	304	48"	120"	314.84	43806
7 Ga.	304	60"	96"	393.55	45330
7 Ga.	304L	60"	120"	393.55	37403
7 Ga.	304	60"	120"	393.55	45329

INQUIRE REGARDING: Available finishes (2B, #4, polished) and protective covering options

# STAINLESS STEEL SHEET

430

Gauge	Description	Width	Length	Wt. Per Piece	Item #
24 Ga.	430	48"	120"	39.61	43793
22 Ga.	430	48"	96"	39.61	43776
22 Ga.	430	48"	120"	49.51	43777
20 Ga.	430	36"	120"	44.56	43739
20 Ga.	430	48"	96"	47.53	43741
20 Ga.	430	48"	120"	59.41	43742
20 Ga.	430	60"	96"	59.41	43744
20 Ga.	430	60"	120"	74.26	43745
18 Ga.	430	36"	120"	59.41	43675
18 Ga.	430	36"	144"	71.29	43676
18 Ga.	430	48"	96"	63.37	43677
18 Ga.	430	48"	120"	79.21	43678
18 Ga.	430	48"	144"	95.05	43679
16 Ga.	430	48"	120"	99.01	43615
11 Ga.	430	48"	96"	161.28	43512

INQUIRE REGARDING: Available finishes (2B, #4, polished) and protective covering options

COLL

# COIL SPECIFICATIONS

We stock a wide variety of coils and can provide pup coils to ID/OD/Weight, conventional leveling to length, slitting to width, blanking to size, and cold reduction temper leveling to lengths of up to 60+ feet.

Our in-house chemical, mechanical, and Charpy testing capabilities combined with ASTM involvement and rigorous material validation processes allow us to certify our coil products to the most current ASTM coil and sheet standards as well as structural plate specifications with confidence.

Please see typical stock specification and Grade information under the Sheet and Plate sections in this book.

\*All coil products can be cut to sheet.

## STAINLESS TOLERANCE RANGES

Stainless Steel				
Thickness Tolerance Ranges				
Gauge No.	Decimal Equivalent	Tolerance Plus/Minus	Pounds Per Square Foot	
			300 Series	400 Series
7	.1875	.007	7.90	7.76
8	.1650	.007	6.93	6.81
10	.1350	.005	5.67	5.57
11	.1200	.005	5.04	4.95
12	.1050	.004	4.41	4.33
13	.0900	.004	3.78	3.71
14	.0750	.003	3.15	3.09
16	.0600	.003	2.52	2.48
18	.0480	.003	2.02	1.98
19	.0420	.0025	1.76	1.73
20	.0360	.002	1.51	1.49
22	.0300	.002	1.26	1.24
24	.0240	.002	1.01	.990
26	.0180	.0015	.756	.743
28	.0150	.001	.630	.619

# STAINLESS STEEL COIL

301

Gauge	Description	Width	Wt./Sq. Ft.	Item #
22 Ga.	301	48"	1.260	43087
22 Ga.	301	60"	1.260	43088
20 Ga.	301	48"	1.512	43045
20 Ga.	301	60"	1.512	43046
18 Ga.	301	36"	2.016	42988
18 Ga.	301	48"	2.016	42989
18 Ga.	301	60"	2.016	42990
16 Ga.	301	36"	2.520	42947
16 Ga.	301	48"	2.520	42949
16 Ga.	301	60"	2.520	42950
14 Ga.	301	36"	3.150	42921
14 Ga.	301	48"	3.150	42922

# STAINLESS STEEL COIL

## 304/304L

Gauge	Description	Width	Wt./Sq. Ft.	Item #
26 Ga.	304 DULL	48"	0.757	45131
26 Ga.	304	36"	0.757	43137
24 Ga.	304 DULL	48"	1.009	45130
24 Ga.	304	36"	1.009	43113
24 Ga.	304	48"	1.009	43114
22 Ga.	304	36"	1.260	43101
22 Ga.	304	48"	1.260	43102
22 Ga.	304L	60"	1.260	43099
20 Ga.	304/304L	60"	1.512	43061
18 Ga.	304/304L	36"	2.016	43000
18 Ga.	304	48"	2.016	43001
18 Ga.	304	60"	2.016	43002
16 Ga.	304	36"	2.520	42961
16 Ga.	304	48"	2.520	42962
16 Ga.	304	60"	2.520	42964
16 Ga.	304L	48"	2.520	42965
16 Ga.	304L	60"	2.520	42966
14 Ga.	304	36"	3.150	42930
14 Ga.	304	48"	3.150	42927
14 Ga.	304L	48"	3.150	42933
14 Ga.	304	60"	3.150	42932
13 Ga.	304	48"	3.780	42919
12 Ga.	304	36"	4.410	42901
12 Ga.	304	48"	4.410	42902
12 Ga.	304	60"	4.410	42904
12 Ga.	304L	60"	4.410	42906
11 Ga.	304	48"	5.040	42886
10 Ga.	304	48"	5.670	42878
10 Ga.	304	60"	5.670	42879
3/16"	304/304L	48"	7.660	39791
3/16"	304/304L	60"	7.660	39792
1/4"	304/304L	48"	10.210	39793
1/4"	304/304L	60"	10.210	39012
3/8"	304/304L	48"	15.320	39794
3/8"	304/304L	60"	15.320	39795



## STAINLESS STEEL COIL 316L

Gauge	Description	Width	Wt./Sq. Ft.	Item #
24 Ga.	316L	48"	1.009	43123
18 Ga.	316L	48"	2.016	43015
18 Ga.	316L	60"	2.016	43016
16 Ga.	316L	36"	2.520	42977
16 Ga.	316L	48"	2.520	42978
16 Ga.	316L	60"	2.520	42979
14 Ga.	316L	48"	3.150	46012
14 Ga.	316L	60"	3.150	42943
12 Ga.	316L	48"	4.410	42915
11 Ga.	316L	60"	5.040	42891
10 Ga.	316L	60"	5.670	42882

## STAINLESS STEEL COIL 430

Gauge	Description	Width	Wt./Sq. Ft.	Item #
24 Ga.	430	36"	0.990	43127
24 Ga.	430	48"	0.990	43128
22 Ga.	430	48"	1.237	43105
20 Ga.	430	36"	1.485	43077
20 Ga.	430	48"	1.485	43079
20 Ga.	430	60"	1.485	43080
18 Ga.	430	36"	1.980	45122
18 Ga.	430	48"	1.980	43022
18 Ga.	430	60"	1.980	43023
16 Ga.	430	48"	2.475	42983
14 Ga.	430	48"	3.094	42945
11 Ga.	430	48"	4.950	42894



# FLATS

# FLATS SPECIFICATIONS

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## **Stainless Steel Flats**

Most of our stock Stainless Steel Flats are certified to ASTM A276 Type 304. Some are also available in the extra low carbon Grade of Type 304L to help with welded applications in severely corrosive environments.

# STAINLESS STEEL FLATS

## Type 304—Gauer Bar

Size	Lbs./Ft.	Lbs./12'	Item #
1/8 x 1	.429	5.15	37371
1/8 x 1 1/4	.531	6.37	39039
1/8 x 1 1/2	.643	7.72	37372
1/8 x 2	.858	10.30	37373
1/8 x 2 1/4	1.08	12.96	45137
1/8 x 3	1.27	15.30	39840
3/16 x 1	.641	7.70	37374
3/16 x 1 1/4	.797	9.56	43185
3/16 x 1 1/2	.962	11.55	37375
3/16 x 1 3/4	1.26	15.12	43189
3/16 x 2	1.28	15.40	45143
3/16 x 3	1.92	23.10	37377
1/4 x 3/4	.698	8.38	43194
1/4 x 1	.858	10.30	37379
1/4 x 1 1/2	1.28	15.44	37380
1/4 x 1 7/8	1.74	20.92	43206
1/4 x 2	1.71	20.59	37381
1/4 x 3	2.55	30.60	37382
1/4 x 4	3.40	40.80	37383
1/4 x 6	5.10	61.20	37747
5/16 x 2	2.16	25.95	45146
3/8 x 1	1.28	15.36	37385
3/8 x 1 1/2	1.93	23.27	37384
3/8 x 2	2.55	30.60	37386
3/8 x 3	3.86	46.32	37387
3/8 x 4	5.10	61.20	37388
3/8 x 6	7.65	91.80	45151
1/2 x 4	6.80	81.60	45152

INQUIRE REGARDING: Other grades & sizes



# PIPE & TUBE

# PIPE SPECIFICATIONS

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## **Stainless Steel Pipe**

Our stock Stainless Steel Pipe is dual certified to ASTM A312 Type 304 and the extra low carbon Grade of 304L to help with welded applications. These products have welded seams and are pressure tested for piping applications in corrosive environments.



# STAINLESS STEEL PIPE P.E.

Tested—Schedule 40

Type 304/304L



Size Inches	Outside Diameter	Inside Diameter	Wall Thickness	Lbs. Per Ft.	Item #
	A		B		
3/4	1.050	.824	.113	1.13	37964
1	1.312	1.046	.133	1.68	37963
1 1/4	1.660	1.380	.140	2.27	37962
1 1/2	1.900	1.610	.145	2.72	37961
2	2.375	2.067	.154	3.65	37960

## PIPE

Dimensions and Weights over Nominal

### Permissible Variation

Weight

Outside Diameter: 1/8" to 1 1/2"  
2" and larger

Wall Thickness

### Over

5%  
1/64"  
1%  
-

### Under

5%  
1/32"  
1%  
12.5%

# TUBING SPECIFICATIONS

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## **Stainless Steel Square Tubing**

Our stock Stainless Steel Square Tubing is generally for mechanical applications and is certified to ASTM A554 Type 304. These products are typically not tensile tested for structural use but do provide good corrosion resistance for a variety of industrial applications.

# STAINLESS SQUARE TUBE

## Type 304



Size			Gauge	Wt. Lbs./Ft.	Wt. Lbs./20'	Item #
A			B			
1	X	1	18 Ga.	0.630	12.60	43854
1	X	1	18 Ga. #4	0.630	12.60	43855
1	x	1	16 Ga. #4	0.826	16.53	43853
1	X	1	11 Ga.	1.436	28.72	39190
1 1/4	X	1 1/4	18 Ga. #4	0.800	16.00	43838
1 1/4	X	1 1/4	16 Ga.	1.047	20.94	37172
1 1/4	X	1 1/4	16 Ga. #4	1.047	20.94	43836
1 1/4	X	1 1/4	11 Ga.	1.840	36.80	51405
1 1/2	X	1 1/2	18 Ga.	0.969	19.40	43846
1 1/2	X	1 1/2	11 Ga.	2.252	45.04	37832
1 3/4	X	1 3/4	11 Ga.	2.660	53.20	51407
2	X	2	11 Ga.	3.050	61.00	37831



# PLATE

# PLATE SPECIFICATIONS

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## **Stainless Steel Plate**

Our stock Stainless Steel Plates are dual certified to ASTM A240 Type 304 and the extra low carbon Grade of 304L to help with welded applications. The hot rolled, annealed, and pickled #1 finish provides a scale free surface ready for fabricating and the mandatory 30 KSI minimum yield strength / 75 KSI minimum tensile strength allows for structural use for this corrosion resistant product.

# STAINLESS STEEL PLATE

## 304/304L

Gauge	Description	Width	Length	Wt. Per Piece	Item #
3/16"	304L	48"	96"	274	38908
3/16"	304L	48"	120"	343	38451
3/16"	304L	60"	120"	429	38734
1/4"	304	48"	48"	179	45157
1/4"	304L	48"	96"	357	43280
1/4"	304L	48"	120"	446	37852
1/4"	304L	60"	96"	450	45160
1/4"	304L	60"	120"	558	39178
3/8"	304L	48"	96"	528	45158
3/8"	304/304L	48"	120"	660	38733
3/8"	304/304L	60"	120"	825	38221
1/2"	304L	48"	96"	693	45159
1/2"	304L	48"	120"	866	40727
1/2"	304L	60"	120"	1083	39260

INQUIRE REGARDING: Other grades & sizes





# ROUNDS

# ROUNDS SPECIFICATIONS

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## **Stainless Steel Rounds**

Our stock Stainless Steel Rounds are certified to multiple standards and alloy types, ranging from ASTM A276 Type 304 and Type 316, in both the traditional Grade and the extra low carbon "L" Grades, to the free machining ASTM A582 in Types 303 and 416, depending on the diameter and your application. We also carry some age hardening ASTM A564 Type 17-4 in a few larger diameters. Type 304 is the most widely used, while Type 316 offers higher strength and corrosion resistance. The 300 series rounds are nonhardenable and nonmagnetic, while the 400 series can be heat treated and has magnetic properties.

# STAINLESS STEEL ROUNDS

**Type 303, 304/304L, 316/316L, 416, 410, 630**

Size	Lbs./Ft.	Lbs./12'	Item #
1/8	.041	.500	38263
3/16	.094	1.128	39528
1/4	.168	2.020	37361
5/16	.263	3.157	37362
3/8	.378	4.546	37363
1/2	.668	8.016	43354
9/16	.845	10.140	43356
5/8	1.052	12.628	37365
3/4	1.515	18.185	37366
7/8	2.040	24.480	51359
1	2.694	32.329	37367
1 1/4	4.209	50.514	37368
1 1/2	6.061	72.741	37369
1 5/8	7.050	84.611	43383
1 3/4	8.180	98.136	43387
2	10.680	128.160	37370
2 3/8	15.080	180.960	43396
3 1/8	26.079	312.959	43404
3 1/4	28.209	338.519	43405
3 3/4	38.529	462.348	43409



BRASS



# ROUNDS

# ROUNDS SPECIFICATIONS

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## **Brass Rounds**

Most of our stock Brass Rounds are certified to ASTM B16 C360-H02. The superior machinability of these products makes them ideal for high-speed cutting, threading, or knurling processes. They are also easily soldered or brazed and provide good corrosion resistance. The half-hard temper offers a nice combination of mild strength and medium ductility for use in a variety of applications.



# BRASS ROUNDS

360

Size	Length	Wt. Per Piece	Item #
3/16"	144"	1.20	51443
1/4"	144"	2.16	51442
5/16"	144"	3.36	51448
3/8"	144"	4.80	51446
7/16"	144"	6.60	51452
1/2"	144"	8.64	51441
9/16"	144"	10.92	51455
5/8"	144"	13.44	51450
3/4"	144"	19.44	51445
7/8"	120"	26.64	51454
1"	144"	34.68	51440



# PROCESSING CAPABILITIES

# MACHINE CAPABILITIES

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## **2D & 3D Tube Lasers**

Our tube lasers can cut from 1/2" to 24" sections up to 3/4" thick mild steel or 1/4" stainless steel and aluminum.

## **Coil Processing**

We have multiple coil processing machines throughout all of our facilities. Capabilities may vary based on the specific machine. Standard processing is 26 gauge by 36" wide to 5/8" by 96" wide or 3/4" by 60" wide.

## **Flame Cutting**

Our Flame Cutting Systems can cut up to 6" by 144" by 576".

## **Flat CO2 Laser**

Our Flat CO2 Lasers can cut up to 1" by 156" by 576" in mild steel, stainless steel, & aluminum.

## **Flat Fiber Laser**

Our Flat Fiber Lasers can cut up to 1" by 132" by 576" in mild steel, stainless steel, & aluminum.

## **Plasma Cutting**

Our Plasma Cutting Systems can cut up to 3" by 120" by 600". Some machines include bevel cutting.

## **Coil Polishing**

Our coil polishing machine is located in our New Jersey facility. It can process stainless steel coils 0.016" to 0.12" thick and 18" to 60" max widths.

## **Press Breaks**

Our Press Break capabilities range from 65-1500 tons and 336" with up to 6-axis back gauges.

## **Saw Cutting**

Our saw cutting capabilities can cut straight sections of 24" by 39" and Milter cutting capabilities can cut up to 24" at 45 deg., or 16" at 60 deg.

## **Slitting**

Our slitting capabilities range from 0.012" to 0.140" thick, with widths from 1" to 63" max.

## **Waterjet Cutting**

Our Waterjet Cutting Systems can cut up to 10" by 72" by 120".

# OTHER PRODUCTS AVAILABLE

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## **HARDOX Wearparts Partner**

Cd'A Metals is a HARDOX Wearparts Partner. Scan below to learn more.

# ***HARDOX***<sup>®</sup>

## **WEARPARTS**



HARDOX WEARPARTS

## **Ornamental Iron**

Cd'A Metals offers one of the largest selections of ornamental iron in the Inland Northwest.

Scan below to view the full ornamental iron product offering, and contact your sales representative for more information.



ORNAMENTAL IRON



USEFUL INFORMATION

# ABBREVIATIONS

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Abbreviation	Meaning
ASTM	American Society for Testing and Materials
CTD	Chem treat dry
CTD UL	Chem treat dry—underwriters' laboratories
CTD XS	Chem treat dry—extra smooth
NCTD	Non-chem treat dry
GR	Grade
HSLA	High Strength, Low Alloy
KSI	1,000 pounds per square inch.
ME	Mill Edge
M&O	Matte & oiled
P&O	Pickled & oiled
PTD	Painted
RoHS	Restriction of Hazardous Substances
TP	Temper passed
ID	Inside diameter
OD	Outside diameter
Mm.	Millimeters
In.	Inches
Ft.	Foot
Lbs.	Pounds
Wt.	Weight



# DECIMAL EQUIVALENTS

1/64 ~~~ .015625	33/64 ~~~ .515625
1/32 ~~~~~ .03125	17/32 ~~~~~ .53125
3/64 ~~~ .046875	35/64 ~~~ .546875
1/16 ~~~~~ .0625	9/16 ~~~~~ .5625
5/64 ~~~ .078125	37/64 ~~~ .578125
3/32 ~~~~~ .09375	19/32 ~~~~~ .59375
7/64 ~~~ .109375	39/64 ~~~ .609375
1/8 ~~~~~ .125	5/8 ~~~~~ .625
9/64 ~~~ .140625	41/64 ~~~ .640625
5/32 ~~~~~ .15625	21/32 ~~~~~ .65625
11/64 ~~~ .171875	43/64 ~~~ .671875
3/16 ~~~~~ .1875	11/16 ~~~~~ .6875
13/64 ~~~ .203125	45/64 ~~~ .703125
7/32 ~~~~~ .21875	23/32 ~~~~~ .71875
15/64 ~~~ .234375	47/64 ~~~ .734375
1/4 ~~~~~ .25	3/4 ~~~~~ .75
17/64 ~~~ .265625	49/64 ~~~ .765625
9/32 ~~~~~ .28125	25/32 ~~~~~ .78125
19/64 ~~~ .296875	51/64 ~~~ .796875
5/16 ~~~~~ .3125	13/16 ~~~~~ .8125
21/64 ~~~ .328125	53/64 ~~~ .828125
11/32 ~~~~~ .34375	27/32 ~~~~~ .84375
23/64 ~~~ .359375	55/64 ~~~ .859375
3/8 ~~~~~ .375	7/8 ~~~~~ .875
25/64 ~~~ .390625	57/64 ~~~ .890625
13/32 ~~~~~ .40625	29/32 ~~~~~ .90625
27/64 ~~~ .421875	59/64 ~~~ .921875
7/16 ~~~~~ .4375	15/16 ~~~~~ .9375
29/64 ~~~ .453125	61/64 ~~~ .953125
15/32 ~~~~~ .46875	31/32 ~~~~~ .96875
31/64 ~~~ .484375	63/64 ~~~ .984375
1/2 ~~~~~ .5	1 ~~~~~ 1.0

# INCHES TO MILLIMETERS

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How to convert: 1 inch = 25.4 millimeters

Example: 1/2 inch (.5 inches) x 25.4 = 12.7 millimeters

Inches (")	Millimeters (mm)
0.01"	0.254000 mm
1/64"	0.396875 mm
1/32"	0.793750 mm
1/16"	1.587500 mm
0.1"	2.540000 mm
1/8"	3.175 mm
1/4"	6.35 mm
1/2"	12.7 mm
1"	25.4 mm
2"	50.8 mm
3"	76.2 mm
4"	101.6 mm
5"	127.0 mm
6"	152.4 mm
7"	177.8 mm
8"	203.2 mm
9"	228.6 mm
10"	254.0 mm
20"	508.0 mm
30"	762.0 mm
40"	1016.0 mm
50"	1270.0 mm
60"	1524.0 mm
70"	1778.0 mm
80"	2032.0 mm
90"	2286.0 mm
100"	2540.0 mm

# AREA OF SHAPES

CIRCUMFERENCE OF A CIRCLE	DIAMETER x 3.1416
DIAMETER OF A CIRCLE	CIRCUMFERENCE x 0.31931
AREA OF A CIRCLE	SQUARE OF DIAMETER x 0.7854
AREA OF A RECTANGLE	LENGTH x BREADTH
AREA OF A TRIANGLE	BASE x 1/2 OF PERPENDICULAR HEIGHT
AREA OF AN ELLIPSE	PRODUCT OF BOTH DIAMETERS x 0.7854
AREA OF A PARALLELOGRAM	BASE x ALTITUDE
SIDE OF AN EQUAL SQUARE	DIAMETER x 0.8862
SIDE OF AN INSCRIBED SQUARE	DIAMETER x 0.7071
OR	<i>CIRCUMFERENCE</i> x 0.2251
OR	<i>CIRCUMFERENCE</i> ÷ 4.4428
CUBIC INCHES IN A BALL	CUBE OF DIAMETER x 0.5236
CUBIC CONTENTS OF A CONE	AREA OF BASE x 1/3 THE ALTITUDE
SURFACE OF FRUSTRUM OF CONE OR PYRAMID	SUM OF THE CIRCUMFERENCE OF BOTH ENDS x 1/2 SLANT HEIGHT + AREA OF BOTH ENDS
CONTENTS OF FRUSTRUM OF CONE OR PYRAMID	SQUARE ROOT OF PRODUCT OF THE AREA OF BOTH ENDS + AREA OF BOTH ENDS x 1/3 THE ALTITUDE
A SIDE OF AN INSCRIBED SQUARE EQUALS RADIUS OF A SPHERE x 1.1547	
ONE CUBIC FOOT = 7.5 GALLONS	
DOUBLING THE DIAMETER OF A CIRCLE INCREASES ITS AREA FOUR TIMES.	
DOUBLING THE DIAMETER OF A PIPE INCREASES ITS CAPACITY FOUR TIMES.	
A SIDE OF A SQUARE x 1.4142 = THE DIAMETER OF ITS CIRCUMSCRIBING CIRCLE.	

# CONTACT US!

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## **CD'A METALS**

*www.cdametals.com*

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Emporia, KS 66801  
Phone: 620.342.9202

### **WINDSOR, CO**

Processing Facility  
31825 Great Western Dr  
Windsor, CO 80550

### **DURANT, IA**

101 Norfolk Iron Drive  
Durant, IA 52747  
Phone: 563.785.6942

### **GREELEY, CO**

31181 WCR 39½  
Greeley, CO 80632  
Phone: 970.352.6722

### **TULSA, OK**

Processing Facility  
1035 W Keystone Ave  
Catoosa, OK 74015

### **ROCK ISLAND, IL**

Processing Facility  
4305 81st Avenue  
Rock Island, IL 61201

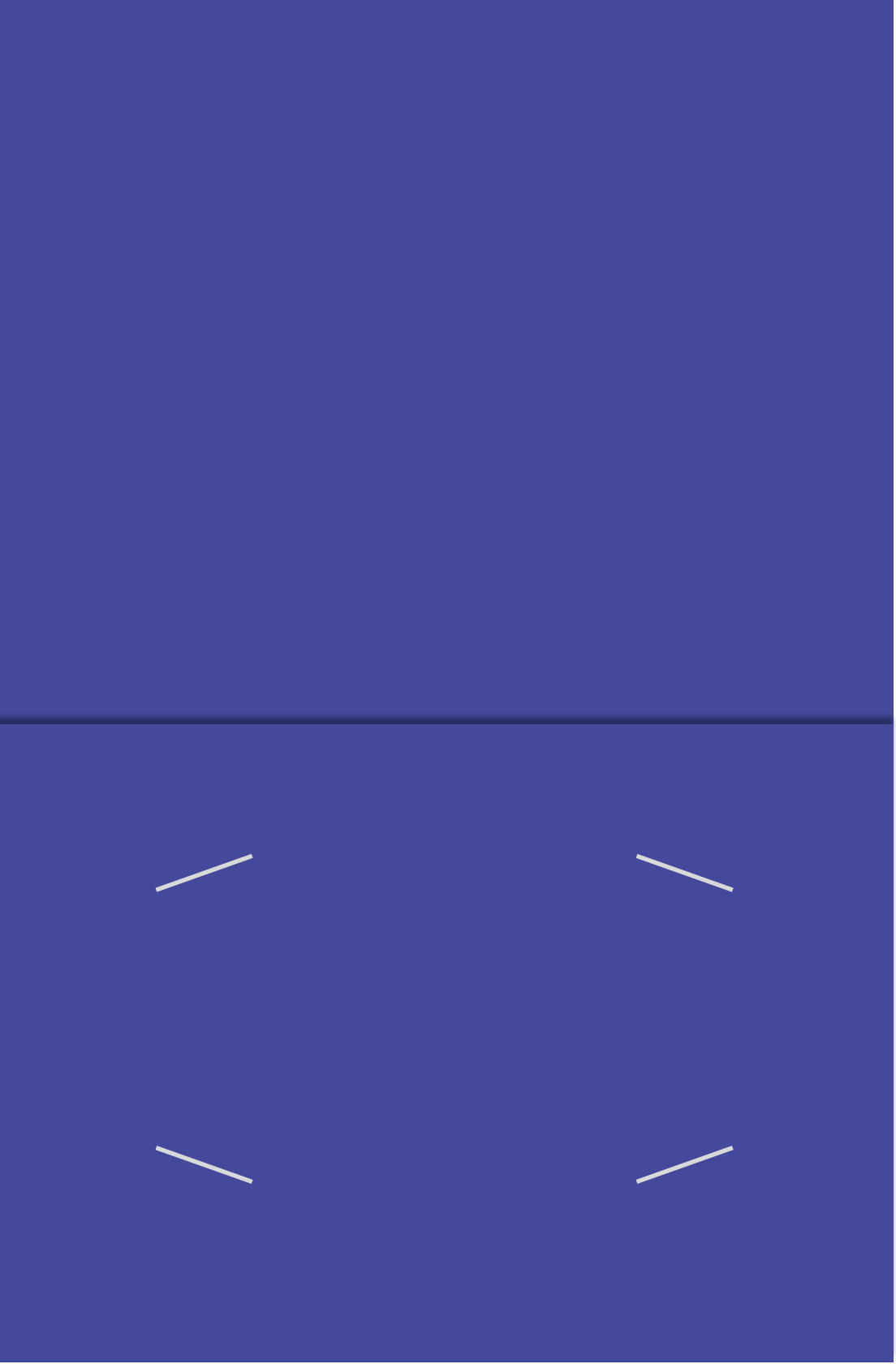
# NIM GROUP

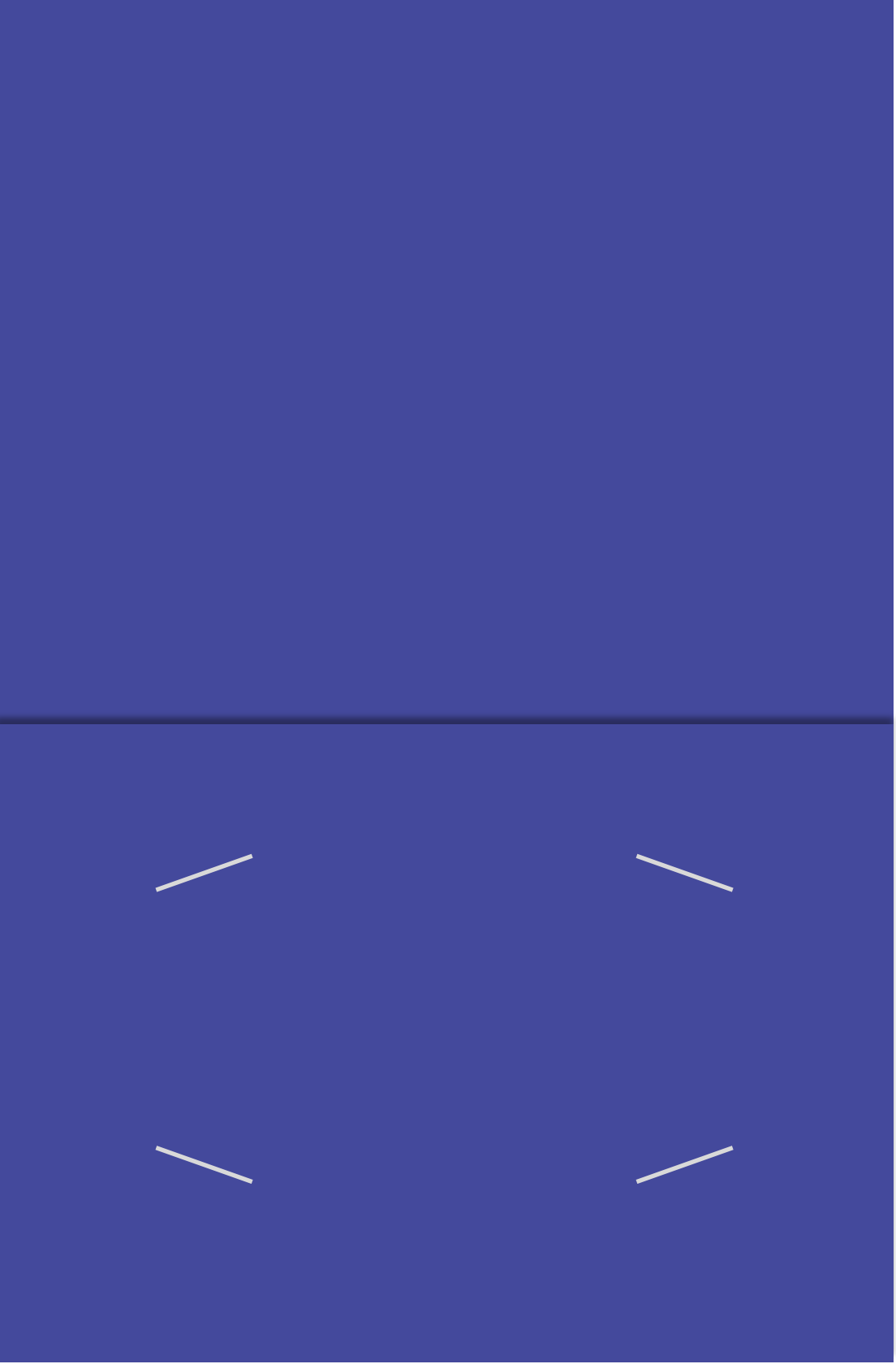
## **QUALITY POLICY**

We are committed to satisfying our customers (both internal and external) and to supporting the growth of our company through continual improvements.

## **QUALITY OBJECTIVE**

To Do It Right the First Time!





# NIM GROUP

## PROCESSING CAPABILITIES

ANGLE COPING	PRE-PRODUCTION PROCESSING
BLANKING	PRESS BRAKE
BENDING	PUNCHING
CHARPY TESTING	PUP COILS
COIL POLISHING	SAWING
CUT-TO-LENGTH	SAW MITERING
FLAME CUTTING	SHOT BLASTING
GALVANIZING	SLITTING
HARDNESS TESTING	STENCILING
LASER CUTTING	STRUCTURAL STEEL
OES CHEMICAL ANALYSIS	TEMPER LEVELING
PARTS KITTING AVAILABLE	TENSILE TESTING
PLATE BEVELING	TUBE & STRUCTURAL
PPAP & FAI	WATERJET

**Check out our customer portal!**  
For inventory, quotes, invoicing, etc.



SCAN ME



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