

ANGLE / BEAM / CHANNEL / PLATE / SHEET / FLATS / BARS / GRATING



WHITTINGTON STEEL

REFERENCE GUIDE

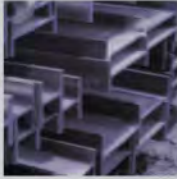


Carbon, Galvanized, Stainless and Aluminum

TO ORDER:

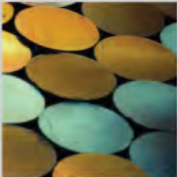
713-926-2020

TUBING / REBAR / EXPANDED METAL / PERFORATED SHEET / PIPE / FITTINGS



CARBON

We offer a wide range of quality products in both domestic and import. Custom sizes and galvanizing are available to meet your needs



ALLOY

A large variety of different alloys are available in the shape and size you need. Material Test documentation is available for every order



STAINLESS

Our extensive list of stainless grades are available in plate, sheet, bar and structural shapes. All certified and accompanied with test documentations. Ask your sales person



PIPE & FITTINGS

All schedules, welded and seamless pipe are available in plain end, T&C, and grooved ends along with malleable, forged and Victolic fittings from 150 to 6000 lbs

METRIC CONVERSION FACTORS

ENGLISH TO METRIC		
MULTIPLY	BY	TO OBTAIN
Pounds (avoirdupois)	.45359	Kilograms
Net Tons (2000 lbs)	.90718	Metric Tons
Gross Tons (2240 lbs)	1.01605	Metric Tons
Inches	25.4001	Millimeters
Feet	.304801	Meters
Yards	.914402	Meters
Miles (statute)	1.60935	Kilometers
Square Inches	6.45163	Square Centimeters
Square Feet	.092903	Square Meters
Pounds per Lineal Foot	1.48816	Kilograms per Lineal Meter
Pounds per Square Inch	.07031	Kilograms per Square Centimeter
Pounds per Square Foot	4.88241	Kilograms per Square Meter
Pounds per Cubic Foot	16.01837	Kilograms per Cubic Meter
METRIC TO ENGLISH		
MULTIPLY	BY	TO OBTAIN
Kilograms	2.20462	Pounds (avoirdupois)
*Metric Tons	1.10231	Net Tons (2000 lbs)
*Metric Tons	.98421	Gross Tons (2240 lbs)
Millimeters	.03937	Inches
Meters	3.280833	Feet
Meters	1.09361	Yards
Kilometers	.62137	Miles (statute)
Square Centimeters	.155	Square Inches
Square Meters	10.76387	Square Feet
Kilograms per Lineal Meter	.67197	Pounds per Lineal Foot
Kilograms per Square Centimeter	14.2234	Pounds per Square Inch
Kilograms per Square Meter	.20482	Pounds per Square Foot
Kilograms per Cubic Meter	.06243	Pounds per Cubic Foot
Note: Length, width and cube denote meters Mass and weight denote Grams Capacity denotes Liters		
* One Metric Ton = 2204.62 lbs		

WEIGHT FORMULAS

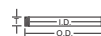
CIRCLES



Steel Circle .22274 x T x D² (D² is diameter squared)

Aluminum Circle .077 x T x D²

RINGS



Steel Ring .22274 x T x (OD² - ID²)

Aluminum Ring .077 x T x (OD² - ID²)



DECIMAL EQUIVALENTS

1/64	0.016	33/64	0.516
1/32	0.031	17/32	0.531
3/64	0.047	35/64	0.547
1/16	0.063	9/16	0.563
5/64	0.078	37/64	0.578
3/32	0.094	19/32	0.594
7/64	0.109	39/64	0.609
1/8	0.125	5/8	0.625
9/64	0.141	41/64	0.641
5/32	0.156	21/32	0.656
11/64	0.172	43/64	0.672
3/16	0.188	11/16	0.688
13/64	0.203	45/64	0.703
7/32	0.219	23/32	0.719
15/64	0.234	47/64	0.734
1/4	0.25	3/4	0.75
17/64	0.266	49/64	0.766
9/32	0.281	25/32	0.781
19/64	0.297	51/64	0.797
5/16	0.313	13/16	0.813
21/64	0.328	53/64	0.828
11/32	0.344	27/32	0.844
23/64	0.359	55/64	0.859
3/8	0.375	7/8	0.875
25/64	0.391	57/64	0.891
13/32	0.406	29/32	0.906
27/64	0.422	59/64	0.922
7/16	0.438	15/16	0.938
29/64	0.453	61/64	0.953
15/32	0.469	31/32	0.969
31/64	0.484	63/64	0.984
1/2	0.5	1	1

BUILDING MATERIALS

From rebar, anchor bolts, purlins, R-Panel, Hex bolts and nuts, to decking and corrugated roofing. We provide a one-stop resource for your building needs.

Rebar

#3 to #8 cut to size

accessories

Rebar mesh, stirrups, spirals, chairs and tie wire

Anchor Bolts

Wedge anchors 1/4" to 1-1/2"

Custom fabricated anchor bolts available

Purlins

Cees and Zees, Red-oxide primed

Siding

R-panels, cut to length in a choice of finishes

Hardware

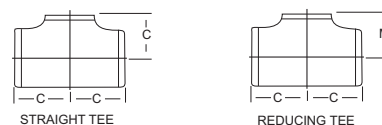
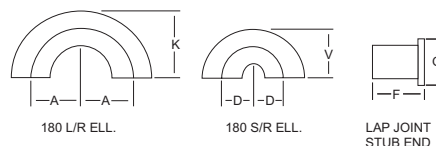
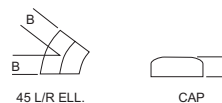
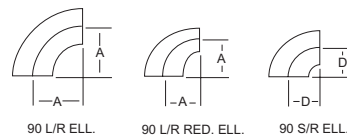
Nuts, bolts, Tek screws, all-thread in carbon, zinc plated, hot dipped galvanized, A325, B7, Grade 5 and Grade 8

Corrugated Sheet

Roofing material in several types and finishes



PIPE FITTINGS



PIPE & FITTINGS

All schedules, welded and seamless pipe are available in plain end, T&C, and grooved ends along with malleable, forged (Butt Weld, Socket Weld and Threaded) and Victrolite fittings from 150 to 6000 lbs.

Pipe

Sizes from 1/8" to 36"

Materials A53, A106-B, galvanized, P11, Duplex, Inconel, Aluminum, Stainless.

Don't see the alloy you need? Ask your salesperson.

Fittings

Malleable, forged in the material and finish you need.

Custom fittings available.

Valves

Gate, ball, butterfly, 150# to 6000#

Name brands and equals

Gaskets

Fiber, rubber, spiral wound

Tubing and Fittings

Copper, stainless

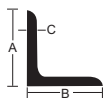
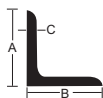
Pipe Hangers

Available for any application

Flanges

Full size range available

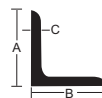
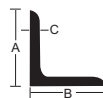
Custom available



STRUCTURAL ANGLES

ALSO AVAILABLE IN GALVANIZED

Size (inches)			Weight, lbs.	
A	x B	x C	Per Foot	20 ft.
1/2	x 1/2	x 1/8	0.38	7.6
3/4	x 3/4	x 1/8	0.59	11.8
	x 3/16		0.84	16.8
1	x 1	x 1/8	0.80	16.0
	x 3/16		1.16	23.2
	x 1/4		1.49	29.8
1-1/4	x 1-1/4	x 1/8	1.01	20.2
	x 3/16		1.48	29.6
	x 1/4		1.92	38.4
1-1/2	x 1-1/2	x 1/8	1.23	24.6
	x 3/16		1.80	36.0
	x 1/4		2.34	46.8
1-3/4	x 1-3/4	x 1/8	1.44	28.8
	x 3/16		2.12	42.4
	x 1/4		2.77	55.4
2	x 1-1/2	x 1/8	1.44	28.8
	x 3/16		2.12	42.4
	x 1/4		2.77	55.4
2	x 2	x 1/8	1.65	33.0
	x 3/16		2.44	48.8
	x 1/4		3.19	63.8
	x 5/16		3.92	78.4
	x 3/8		4.70	94.0
2-1/2	x 1-1/2	x 3/16	2.44	48.8
	x 1/4		3.19	63.8
	x 5/16		3.92	78.4
2-1/2	x 2	x 3/16	2.75	55.0
	x 1/4		3.62	72.4
	x 5/16		4.50	90.0
	x 3/8		5.30	106.0



STRUCTURAL ANGLES

ALSO AVAILABLE IN GALVANIZED

Size (inches)			Weight, lbs.	
A	x B	x C	Per Foot	20 ft.
4	x 3	x 1/4	5.80	116.0
	x 5/16		7.20	144.0
	x 3/8		8.50	170.0
	x 1/2		11.10	222.0
	x 5/8		13.60	272.0
4	x 3-1/2	x 1/4	6.20	124.0
	x 5/16		7.70	154.0
	x 3/8		9.10	182.0
	x 1/2		11.90	238.0
	x 5/8		14.70	294.0
4	x 4	x 1/4	6.60	132.0
	x 5/16		8.20	164.0
	x 3/8		9.80	196.0
	x 1/2		12.80	256.0
	x 5/8		15.70	314.0
	x 3/4		18.50	370.0
5	x 3	x 1/4	6.60	132.0
	x 5/16		8.20	164.0
	x 3/8		9.80	196.0
	x 1/2		12.80	256.0
5	x 3-1/2	x 1/4	7.00	140.0
	x 5/16		8.70	174.0
	x 3/8		10.40	208.0
	x 1/2		13.60	272.0
	x 5/8		16.80	336.0
	x 3/4		19.80	396.0
5	x 5	x 5/16	10.30	206.0
	x 3/8		12.30	246.0
	x 1/2		16.20	324.0
6	x 3-1/2	x 1/4	7.90	158.0
	x 5/16		9.80	196.0
	x 3/8		11.70	234.0
	x 1/2		15.30	306.0
6	x 4	x 5/16	10.30	206.0
	x 3/8		12.40	248.0
	x 1/2		19.60	392.0
	x 5/8		24.20	484.0
	x 3/4		28.70	574.0
	x 7/8		33.10	662.0
	x 1		37.40	748.0
7	x 4	x 3/8	13.60	272.0
	x 1/2		17.90	358.0
	x 5/8		22.10	442.0
	x 3/4		26.20	524.0
8	x 4	x 1/2	19.60	392.0
	x 5/8		24.20	484.0
	x 3/4		28.70	574.0
	x 7/8		33.10	662.0
	x 1		37.40	748.0
8	x 6	x 1/2	23.00	460.0
	x 5/8		28.50	570.0
	x 3/4		33.80	676.0
	x 7/8		39.10	782.0
	x 1		44.20	884.0
8	x 8	x 1/2	26.40	528.0
	x 5/8		32.70	654.0
	x 3/4		38.90	778.0
	x 7/8		45.00	900.0
	x 1		51.00	1020.0
	x 1-1/8		56.90	1138.0



JUNIOR BEAMS

LENGTHS UP TO 40' – ALSO AVAILABLE IN GALVANIZED

Size and Weight per Foot	A Depth in Inches	B Flange Width Inches	C Web Thickness Inches	Weight, lbs. 20-Ft. Length
6 x 4.4	6	1.844	0.114	88
8 x 6.5	8	2.281	0.135	130
10 x 9.0	10	2.688	0.155	180
12 x 11.8	12	3.063	0.175	236



STANDARD BEAMS

LENGTHS UP TO 60' – ALSO AVAILABLE IN GALVANIZED

Size and Weight per Foot	A Depth in Inches	B Flange Width Inches	C Web Thickness Inches	Weight, lbs. 20-Ft. Length
S3 x 5.7	3	2.330	0.170	114
x 7.5	3	2.509	0.349	150
S4 x 7.7	4	2.660	0.190	154
x 9.5	4	2.796	0.326	190
S5 x 10	5	3.000	0.210	200
S6 x 12.5	6	3.330	0.230	250
x 17.25	6	3.565	0.465	345
S7 x 15.3	7	3.660	0.250	306
x 20	7	3.860	0.450	400
S8 x 18.4	8	4.000	0.270	368
x 23	8	4.171	0.441	460
S10 x 25.4	10	4.660	0.310	508
x 35	10	4.944	0.594	700
S12 x 31.8	12	5.000	0.350	636
x 35	12	5.078	0.428	700
x 40.8	12	5.250	0.460	816
x 50	12	5.477	0.687	1000
S15 x 42.9	15	5.500	0.410	858
x 50	15	5.640	0.550	1000
S18 x 54.7	18	6.000	0.460	1094
x 70	18	6.251	0.711	1400
S20 x 66	20	6.250	0.500	1320
x 75	20	6.391	0.641	1500
x 85	20	7.053	0.653	1700
x 95	20	7.200	0.800	1900
S24 x 80	24	7.000	0.500	1600
x 90	24	7.124	0.624	1800
x 100	24	7.247	0.747	2000
x 105.9	24	7.875	0.625	2118
x 120	24	8.048	0.798	2400

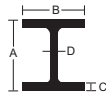
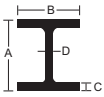


WIDE FLANGE BEAMS

LENGTHS UP TO 60' – ALSO AVAILABLE IN GALVANIZED

Size and Weight per Foot	A Depth in Inches	B Flange Width Inches	C Flange Thickness Inches	D Web Thickness Inches
W4 x 13	4.16	4.060	0.345	0.280
W5 x 16	5.01	5.000	0.360	0.240
x 19	5.15	5.030	0.430	0.270
W6 x 9	5.90	3.940	0.215	0.170
x 12	6.03	4.000	0.280	0.230
x 15	5.99	5.990	0.260	0.230
x 16	6.28	4.030	0.405	0.260
x 20	6.20	6.020	0.365	0.260
x 25	6.38	6.080	0.455	0.320
W8 x 10	7.89	3.940	0.205	0.170
x 13	7.99	4.000	0.255	0.230
x 15	8.11	4.015	0.315	0.245
x 18	8.14	5.250	0.330	0.230
x 21	8.28	5.270	0.400	0.250
x 24	7.93	6.495	0.400	0.245
x 28	8.06	6.535	0.465	0.285
x 31	8.00	7.995	0.435	0.285
x 35	8.12	8.020	0.495	0.310
x 40	8.25	8.070	0.560	0.360
x 48	8.50	8.110	0.685	0.400
x 58	8.75	8.220	0.810	0.510
x 67	9.00	8.280	0.935	0.570
W10 x 12	9.87	3.960	0.210	0.190
x 15	9.99	4.000	0.270	0.230
x 17	10.11	4.010	0.330	0.240
x 19	10.24	4.020	0.395	0.250
x 22	10.17	5.750	0.360	0.240
x 26	10.33	5.770	0.440	0.260
x 30	10.47	5.810	0.510	0.300
x 33	9.73	7.960	0.435	0.290
x 39	9.92	7.985	0.530	0.315
x 45	10.10	8.020	0.620	0.350
x 49	9.98	10.000	0.560	0.340
x 54	10.09	10.030	0.615	0.370
x 60	10.22	10.080	0.680	0.420
x 68	10.40	10.130	0.770	0.470
x 77	10.60	10.190	0.870	0.530
x 88	10.84	10.265	0.990	0.605
x 100	11.10	10.340	1.120	0.680
x 112	11.36	10.415	1.250	0.755
W12 x 14	11.91	3.970	0.225	0.200
x 16	11.99	3.990	0.265	0.220
x 19	12.16	4.005	0.350	0.235
x 22	12.31	4.030	0.425	0.260
x 26	12.22	6.490	0.380	0.230
x 30	12.34	6.520	0.440	0.260
x 35	12.50	6.560	0.520	0.300
x 40	11.91	8.005	0.515	0.295
x 45	12.06	8.045	0.575	0.335
x 50	12.19	8.080	0.640	0.370
x 53	12.06	9.995	0.575	0.345
x 58	12.19	10.010	0.640	0.360
x 65	12.12	12.000	0.605	0.390
x 72	12.25	12.040	0.670	0.430

OTHER SIZES OF BEAMS ARE PRODUCED – PLEASE INQUIRE FOR MORE INFORMATION

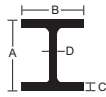
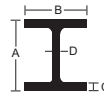


WIDE FLANGE BEAMS

LENGTHS UP TO 60' – ALSO AVAILABLE IN GALVANIZED

Size and Weight per Foot	A Depth in Inches	B Flange Width Inches	C Flange Thickness Inches	D Web Thickness Inches
W12x 79	12.38	12.080	0.735	0.470
x 87	12.53	12.125	0.810	0.515
x 96	12.71	12.160	0.900	0.550
x 106	12.89	12.220	0.990	0.610
x 120	13.12	12.320	1.105	0.710
x 136	13.41	12.400	1.250	0.790
x 152	13.71	12.480	1.400	0.870
x 170	14.03	12.570	1.560	0.960
x 190	14.38	12.670	1.735	1.060
W14 x 22	13.74	5.000	0.335	0.230
x 26	13.91	5.025	0.420	0.255
x 30	13.84	6.730	0.385	0.270
x 34	13.98	6.745	0.455	0.285
x 38	14.10	6.770	0.515	0.310
x 43	13.66	7.995	0.530	0.305
x 48	13.79	8.030	0.595	0.340
x 53	13.92	8.060	0.660	0.370
x 61	13.89	9.995	0.645	0.375
x 68	14.04	10.035	0.720	0.415
x 74	14.17	10.070	0.785	0.450
x 82	14.31	10.130	0.855	0.510
x 90	14.02	14.520	0.710	0.440
x 99	14.16	14.565	0.780	0.485
x 109	14.32	14.605	0.860	0.525
x 120	14.48	14.670	0.940	0.590
x 132	14.66	14.725	1.030	0.645
W16 x 26	15.69	5.500	0.345	0.250
x 31	15.88	5.525	0.440	0.275
x 36	15.86	6.985	0.430	0.295
x 40	16.01	6.995	0.505	0.305
x 45	16.13	7.035	0.565	0.345
x 50	16.26	7.070	0.630	0.380
x 57	16.43	7.120	0.715	0.430
x 67	16.33	10.235	0.665	0.395
x 77	16.52	10.295	0.760	0.455
x 89	16.75	10.365	0.875	0.525
x 100	16.97	10.425	0.985	0.585
W18 x 35	17.70	6.000	0.425	0.300
x 40	17.90	6.015	0.525	0.315
x 46	18.06	6.060	0.605	0.360
x 50	17.99	7.495	0.570	0.355
x 55	18.11	7.530	0.630	0.390
x 60	18.24	7.555	0.695	0.415
x 65	18.35	7.590	0.750	0.450
x 71	18.47	7.635	0.810	0.495
x 76	18.21	11.035	0.680	0.425
x 86	18.39	11.090	0.770	0.480
x 97	18.59	11.145	0.870	0.535
x 106	18.73	11.200	0.940	0.590
x 119	18.97	11.265	1.060	0.655
W21 x 44	20.66	6.500	0.450	0.350
x 50	20.83	6.530	0.535	0.380
x 57	21.06	6.555	0.650	0.405
x 62	20.99	8.240	0.615	0.400

OTHER SIZES OF BEAMS ARE PRODUCED – PLEASE INQUIRE FOR MORE INFORMATION



WIDE FLANGE BEAMS

LENGTHS UP TO 60' – ALSO AVAILABLE IN GALVANIZED

Size and Weight per Foot	A Depth in Inches	B Flange Width Inches	C Flange Thickness Inches	D Web Thickness Inches
W21 x 68	21.13	8.270	0.685	0.430
x 73	21.24	8.295	0.740	0.455
x 83	21.43	8.355	0.835	0.515
x 93	21.62	8.420	0.930	0.580
x 101	21.36	12.290	0.800	0.500
x 111	21.51	12.340	0.875	0.550
x 122	21.68	12.390	0.960	0.600
x 132	21.83	12.440	1.035	0.650
x 147	22.06	12.510	1.150	0.720
W24 x 55	23.57	7.005	0.505	0.395
x 62	23.74	7.040	0.590	0.430
x 68	23.73	8.965	0.585	0.415
x 76	23.92	8.990	0.680	0.440
x 84	24.10	9.020	0.770	0.470
x 94	24.31	9.065	0.875	0.515
x 104	24.06	12.750	0.750	0.500
x 117	24.26	12.800	0.850	0.550
x 131	24.48	12.855	0.960	0.605
x 146	24.74	12.900	1.090	0.650
x 162	25.00	12.955	1.220	0.705
W27 x 84	26.71	9.960	0.640	0.460
x 94	26.92	9.990	0.745	0.490
x 102	27.09	10.015	0.830	0.515
x 114	27.29	10.070	0.930	0.570
x 146	27.38	13.965	0.975	0.605
x 161	27.59	14.020	1.080	0.660
x 178	27.81	14.085	1.190	0.725
W30 x 99	29.65	10.450	0.670	0.520
x 108	29.83	10.475	0.760	0.545
x 116	30.01	10.495	0.850	0.565
x 124	30.17	10.515	0.930	0.585
x 132	30.31	10.545	1.000	0.615
x 173	30.44	14.985	1.065	0.655
x 191	30.68	15.040	1.185	0.710
x 211	30.94	15.105	1.315	0.775
W33 x 118	32.86	11.480	0.740	0.550
x 130	33.09	11.510	0.855	0.580
x 141	33.30	11.535	0.960	0.605
x 152	33.49	11.565	1.055	0.635
x 201	33.68	15.745	1.150	0.715
x 221	33.93	15.805	1.275	0.775
x 241	34.18	15.860	1.400	0.830
W36 x 135	35.55	11.950	0.079	0.600
x 150	35.85	11.975	0.940	0.625
x 160	36.01	12.000	1.020	0.650
x 170	36.17	12.030	1.100	0.680
x 182	36.33	12.075	1.180	0.725
x 194	36.49	12.115	1.260	0.765
x 210	36.69	12.180	1.360	0.830
x 230	35.90	16.470	1.260	0.760
x 245	36.08	16.510	1.350	0.800
x 260	36.26	16.550	1.440	0.840
x 280	36.52	16.595	1.570	0.885
x 300	36.74	16.655	1.680	0.945

OTHER SIZES OF BEAMS ARE PRODUCED – PLEASE INQUIRE FOR MORE INFORMATION



CHANNELS

LENGTHS UP TO 60' – ALSO AVAILABLE IN GALVANIZED

A		B	C
Depth of Channel in Inches	Weight Lbs per Foot	Flange Width Inches	Web Thickness Inches
3	x 4.1	1.410	0.170
	x 5.0	1.498	0.258
	x 6.0	1.596	0.356
4	x 5.4	1.580	0.180
	x 6.25	1.647	0.247
	x 7.25	1.720	0.320
5	x 6.7	1.750	0.190
	x 9.0	1.885	0.325
6	x 8.2	1.920	0.200
	x 10.5	2.034	0.314
	x 13.0	2.157	0.437
7	x 9.8	2.090	0.210
	x 12.25	2.194	0.314
	x 14.75	2.299	0.419
8	x 11.5	2.260	0.220
	x 13.75	2.343	0.303
	x 18.75	2.527	0.487
9	x 13.4	2.430	0.230
	x 15.0	2.485	0.285
	x 20.0	2.648	0.448
10	x 15.3	2.600	0.240
	x 20.0	2.739	0.379
	x 25.0	2.886	0.526
	x 30.0	3.033	0.673
12	x 20.7	2.940	0.280
	x 25.0	3.047	0.387
	x 30.0	3.170	0.510
15	x 33.9	3.400	0.400
	x 40.0	3.520	0.520
	50	3.716	0.716



MISC & JUNIOR CHANNELS

ALSO AVAILABLE IN GALVANIZED

A		B	C
Depth of Channel in Inches	Weight Lbs per Foot	Flange Width Inches	Web Thickness Inches
3	x 7.1	1.938	0.312
	x 9.0	2.122	0.497
4	x 13.8	2.500	0.500
6	x 12.0	2.497	0.310
	x 15.1	2.941	0.316
	x 15.3	3.500	0.340
	x 16.3	3.000	0.375
	x 18.0	3.504	0.379
7	x 19.1	3.452	0.352
	x 22.7	3.603	0.503
8	x 8.5	1.874	0.179
	x 18.7	2.978	0.353
	x 20.0	3.025	0.400
	x 21.4	3.450	0.375
	x 22.8	3.502	0.427
9	x 23.9	3.450	0.400
	x 25.4	3.500	0.450
10	x 6.5	1.127	0.152
	x 8.4	1.500	0.170
	x 22.0	3.450	0.325
	x 24.9	3.402	0.377
	x 25.3	3.550	0.425
	x 28.3	3.502	0.477
	x 28.5	3.950	0.425
	x 33.6	4.100	0.575
	x 41.1	4.321	0.796
12	x 10.6	1.500	0.190
	x 30.9	3.450	0.450
	x 32.9	3.500	0.500
	x 35.0	3.767	0.467
	x 37.0	3.600	0.600
	x 40.0	3.890	0.590
	x 45.0	4.012	0.712
	x 50.0	4.135	0.835
13	x 31.8	4.000	0.375
	x 35.0	4.072	0.447
	x 40.0	4.185	0.560
	x 50.0	4.412	0.787
18	x 42.7	3.950	0.450
	x 45.8	4.000	0.500
	x 51.9	4.100	0.600
	x 58.0	4.200	0.700



STEEL STAIR STRINGER

Roll formed from sturdy 10 gauge sheets

10" depth, 2" flange

More economical than junior channel



BAR CHANNELS

STOCK LENGTH 20' – ALSO AVAILABLE IN GALVANIZED

Size in Inches A x B x C	Weight	
	Per Foot	20ft Length
1 x 1/2 x 1/8	0.84	16.80
1-1/4 x 1/2 x 1/8	1.01	20.20
1-1/2 x 1/2 x 1/8	1.12	22.40
1-1/2 x 3/4 x 1/8	1.17	23.40
2 x 1/2 x 1/8	1.34	26.80
2 x 1 x 1/8	1.78	35.60
2 x 1 x 3/16	2.59	51.80
2-1/2 x 5/8 x 3/16	2.34	46.70

BAR CHANNEL IS AVAILABLE PUNCHED FOR FENCING AND OTHER APPLICATIONS.



ROUND BARS

HOT ROLLED OR COLD FINISHED ROUND BARS IN VARIOUS ALLOYS
AND CARBON STEELS – ALSO AVAILABLE IN GALVANIZED

Diameter in Inches	Weight Lbs. Per Foot	Diameter in Inches	Weight Lbs. Per Foot	Diameter in Inches	Weight Lbs. Per Foot
3/16	0.094	1-3/4	8.178	4-1/4	48.230
1/4	0.167	2	10.680	4-3/8	51.110
5/16	0.261	2-1/8	12.060	4-1/2	54.080
3/8	0.376	2-1/4	13.520	4-5/8	57.120
7/16	0.511	2-3/8	15.060	4-3/4	60.250
1/2	0.668	2-1/2	16.690	5	66.760
9/16	0.845	2-5/8	18.400	5-1/4	73.600
5/8	1.043	2-3/4	20.190	5-1/2	80.780
11/16	1.262	2-7/8	22.070	5-3/4	88.290
3/4	1.502	3	24.030	6	96.130
13/16	1.763	3-1/8	26.080	6-1/8	100.180
7/8	2.044	3-1/4	28.210	6-1/4	104.310
15/16	2.347	3-3/8	30.420	6-1/2	112.820
1	2.670	3-1/2	32.710	6-3/4	121.670
1-1/8	3.379	3-5/8	35.090	7	130.850
1-1/4	4.172	3-3/4	37.550	7-1/4	140.360
1-3/8	5.049	3-7/8	40.100	7-1/2	150.210
1-1/2	6.008	4	42.730	7-3/4	160.390
1-5/8	7.051	4-1/8	45.440	8	170.900



SQUARE BARS

ALSO AVAILABLE IN GALVANIZED

Size in Inches	Weight Lbs per Foot	Size in Inches	Weight Lbs per Foot
1/4	0.213	1-1/8	4.300
5/16	0.332	1-1/4	5.310
3/8	0.478	1-3/8	6.430
7/16	0.651	1-1/2	7.650
1/2	0.850	1-5/8	8.980
9/16	1.080	1-3/4	10.410
5/8	1.330	1-7/8	11.950
11/16	1.610	2	13.600
3/4	1.910	2-1/4	17.210
13/16	2.250	2-1/2	21.250
7/8	2.600	2-3/4	25.710
1	3.400	3	30.600

STANDARD LENGTHS: HOT ROLLED - 20'; 1018 COLD FINISHED - 12'



CONCRETE REINFORCING BARS

GR40 AND GR60 ARE AVAILABLE – ALSO AVAILABLE IN GALVANIZED

Weight Lbs.			
Diameter in Inches		Per Foot	20 ft. Length
3/8	#3	0.376	7.52
1/2	#4	0.668	13.36
5/8	#5	1.043	20.86
3/4	#6	1.502	30.04
7/8	#7	2.044	40.88
1	#8	2.670	53.40
1-1/8	#9	3.400	68.00
1-1/4	#10	4.303	86.06
1-3/8	#11	5.313	106.26
1-3/4	#14	7.650	153.00
2-1/4	#18	13.600	272.00



FLAT BARS

ALSO AVAILABLE IN GALVANIZED

Weight, lbs.					Weight, lbs.				
Size in Inches		Per Foot	Per 20 ft.		Size in Inches		Per Foot	Per 20 ft.	
1/4	x 1/2	0.425	8.50		x 2-1/2	3.188	63.76		
x	3/4	0.638	12.76		x 3	3.825	76.50		
x	1	0.850	17.00		x 3-1/2	4.463	89.26		
x	1-1/4	1.063	21.26		x 4	5.100	102.00		
x	1-1/2	1.275	25.50		x 4-1/2	5.738	114.80		
x	1-3/4	1.488	29.76		x 5	6.375	127.50		
x	2	1.700	34.00		x 5-1/2	7.013	140.30		
x	2-1/4	1.913	38.26		x 6	7.650	153.00		
x	2-1/2	2.125	42.50		x 7	8.930	178.50		
x	2-3/4	2.338	46.76		x 8	10.200	204.00		
x	3	2.550	51.00		1/2 x 3/4	1.275	25.50		
x	3-1/2	2.975	59.50		x 1	1.700	34.00		
x	4	3.400	68.00		x 1-1/4	2.125	42.50		
x	4-1/2	3.825	76.50		x 1-1/2	2.550	51.00		
x	5	4.250	85.00		x 1-3/4	2.975	59.50		
x	5-1/2	4.675	93.50		x 2	3.400	68.00		
x	6	5.100	102.00		x 2-1/2	4.250	85.00		
x	6-1/2	5.530	110.60		x 3	5.100	102.00		
x	7	5.950	119.00		x 3-1/2	5.950	119.00		
x	7-1/2	6.380	127.60		x 4	6.800	136.00		
x	8	6.800	136.00		x 4-1/2	7.650	153.00		
5/16	x 1/2	0.531	10.62		x 5	8.500	170.00		
x	3/4	0.797	15.94		x 5-1/2	9.350	187.00		
x	1	1.063	21.26		x 6	10.200	204.00		
x	1-1/4	1.328	26.56		x 7	11.900	238.00		
x	1-1/2	1.594	31.88		x 8	13.600	272.00		
x	1-3/4	1.859	37.18		5/8 x 1	2.125	42.50		
x	2	2.125	42.50		x 1-1/2	3.188	63.76		
x	2-1/2	2.656	53.12		x 2	4.250	85.00		
x	3	3.188	63.76		x 2-1/2	5.313	106.30		
x	3-1/2	3.719	74.38		x 3	6.375	127.50		
x	4	4.250	85.00		x 3-1/2	7.438	148.80		
x	4-1/2	4.781	95.62		x 4	8.500	170.00		
x	5	5.313	106.30		x 4-1/2	9.563	191.30		
x	5-1/2	5.840	116.80		x 5	10.630	212.40		
x	6	6.375	127.50		x 5-1/2	11.690	233.80		
x	7	7.440	148.70		x 6	12.750	255.00		
x	7-1/2	7.970	159.40		x 7	14.870	297.40		
x	8	8.500	170.00		x 8	17.000	340.00		
3/8	x 3/4	0.956	19.12		3/4 x 1	2.550	51.00		
x	1	1.275	25.50		x 1-1/2	3.825	76.50		
x	1-1/4	1.594	31.88		x 2	5.100	102.00		
x	1-1/2	1.913	38.26		x 2-1/2	6.375	127.50		
x	1-3/4	2.231	44.62		x 3	7.650	153.00		
x	2	2.550	51.00		x 3-1/2	8.925	178.50		

FOR FLAT BARS WIDER THAN 8", SEE UNIVERSAL MILL PLATES (PAGE 16)
FOR FLAT BARS THINNER THAN 1/4", SEE STRIPS (PAGE 16)

STANDARD LENGTHS: HOT ROLLED - 20'; 1018 COLD FINISHED - 12'

FLAT BARS

ALSO AVAILABLE IN GALVANIZED

Weight, lbs.					Weight, lbs.				
Size in Inches		Per Foot	Per 20 ft.		Size in Inches		Per Foot	Per 20 ft.	
x 4	10.200	204.00			x 6	25.500	510.00		
x 5	12.750	255.00			x 7	29.750	595.00		
x 6	15.300	306.00			x 8	34.000	680.00		
x 7	17.850	357.00			1-1/2 x 2	10.200	204.00		
x 8	20.400	408.00			x 2-1/2	12.750	255.00		
7/8 x 1	2.975	59.50			x 3	15.300	306.00		
x 1-1/4	3.719	74.38			x 3-1/2	17.850	357.00		
x 1-1/2	4.463	89.26			x 4	20.400	408.00		
x 2	5.950	119.00			x 4-1/2	22.950	459.00		
x 2-1/2	7.438	148.80			x 5	25.500	510.00		
x 3	8.925	178.50			x 5-1/2	28.050	561.00		
x 3-1/2	10.410	208.20			x 6	30.600	612.00		
x 4	11.900	238.00			x 7	35.700	714.00		
x 4-1/2	13.900	267.80			x 8	40.800	816.00		
x 5	14.870	297.40			1-3/4 x 2	11.900	238.00		
x 5-1/2	16.360	327.20			2-1/2	14.880	297.60		
x 6	17.850	357.00			3	17.850	357.00		
x 7	20.830	416.60			3-1/2	20.830	416.60		
x 8	23.800	476.00			4	23.800	476.00		
1 x 1-1/4	4.250	85.00			4-1/2	26.780	535.60		
x 1-1/2	5.100	102.00			5	29.750	595.00		
x 2	6.800	136.00			5-1/2	32.730	654.60		
x 2-1/4	7.650	153.00			6	35.700	714.00		
x 2-1/2	8.500	170.00			2 x 2-1/2	17.000	340.00		
x 3	10.200	204.00			3	20.400	408.00		
x 3-1/2	11.900	238.00			3-1/2	23.800	476.00		
x 4	13.600	272.00			4	27.200	544.00		
x 4-1/2	15.300	306.00			4-1/2	30.600	612.00		
x 5	17.000	340.00			5	34.000	680.00		
x 5-1/2	18.700	374.00			6	40.800	816.00		
x 6	20.400	408.00			7	47.600	952.00		
x 7	23.800	476.00			8	54.400	1088.00		
x 8	27.200	544.00			2-1/2 x 3	25.500	510.00		
1-1/4 x 1-1/2	6.375	127.50			3-1/2	29.750	595.00		
x 1-3/4	7.438	148.80			4	34.000	680.00		
x 2	8.500	170.00			4-1/2	38.250	765.00		
x 2-1/4	9.563	191.30			5	42.500	850.00		
x 2-1/2	10.630	212.40			6	51.000	1020.00		
x 3	12.750	255.00			8	68.000	1360.00		
x 3-1/2	14.870	297.40			3 x 4	40.800	816.00		
x 4	17.000	340.00			4-1/2	45.900	918.00		
x 4-1/2	19.120	382.40			5	51.000	1020.00		
x 5	21.250	425.00			6	61.200	1224.00		
x 5-1/2	23.370	467.40			8	81.600	1632.00		

FOR FLAT BARS WIDER THAN 8", SEE UNIVERSAL MILL PLATES (PAGE 16)
FOR FLAT BARS THINNER THAN 1/4", SEE STRIPS (PAGE 16)

STANDARD LENGTHS: HOT ROLLED - 20'; 1018 COLD FINISHED - 12'



HOT ROLLED STRIP

ALSO AVAILABLE IN GALVANIZED

Weight, lbs.				Weight, lbs.			
Size in Inches		Per Foot	20 ft. Length	Size in Inches		Per Foot	20 ft. Length
1/8	x 1/2	0.213	4.26	3/16	x 1/2	0.319	6.38
	x 3/4	0.319	6.38		x 3/4	0.478	9.56
	x 1	0.425	8.50		x 1	0.638	12.76
	x 1-1/4	0.531	10.62		x 1-1/4	0.797	15.94
	x 1-1/2	0.638	12.76		x 1-1/2	0.956	19.12
	x 1-3/4	0.744	14.88		x 1-3/4	1.116	22.32
	x 2	0.850	17.00		x 2	1.275	25.50
	x 2-1/4	0.956	19.12		x 2-1/4	1.434	28.68
	x 2-1/2	1.063	21.26		x 2-1/2	1.594	31.88
	x 2-3/4	1.169	23.38		x 2-3/4	1.753	35.06
	x 3	1.275	25.50		x 3	1.913	38.26
	x 3-1/2	1.488	29.76		x 3-1/2	2.231	44.62
	x 4	1.700	34.00		x 4	2.550	51.00
	x 4-1/2	1.913	38.26		x 4-1/2	2.869	57.38
	x 5	2.125	42.50		x 5	3.188	63.76
	x 6	2.550	51.00		x 6	3.825	76.50
	x 8	3.400	68.00		x 8	5.100	102.00
	x 10	4.260	85.20		x 10	6.380	127.60
	x 12	5.100	102.00		x 12	7.660	153.20

UNIVERSAL MILL PLATES

WIDER WIDTHS AVAILABLE – ALSO AVAILABLE IN GALVANIZED

Weight, lbs.				Weight, lbs.			
Thickness & Width Inches		Per Foot	20 ft. Length	Thickness & Width Inches		Per Foot	20 ft. Length
1/4	x 9	7.65	153.00	3/4	x 9	22.95	459.00
	10	8.50	170.00		10	25.50	510.00
	11	9.35	187.00		12	30.60	612.00
	12	10.20	204.00	7/8	x 10	29.75	595.00
5/16	x 9	9.56	191.20		12	35.70	714.00
	10	10.63	212.60	1	x 9	30.60	612.00
	12	12.75	255.00		10	34.00	680.00
3/8	x 9	11.48	229.60		12	40.80	816.00
	10	12.75	255.00	1-1/4	x 9	38.25	765.00
	11	14.03	280.60		10	42.50	850.00
	12	15.30	306.00		12	51.00	1020.00
1/2	x 9	15.30	306.00	1-1/2	x 10	51.00	1020.00
	10	17.00	340.00		12	61.20	1224.00
	11	18.70	374.00	2	x 9	61.20	1224.00
	12	20.40	408.00		10	68.00	1360.00
5/8	x 9	19.13	382.60		12	81.60	1632.00
	10	21.25	425.00				
	11	23.38	467.50				
	12	25.50	510.00				

CUSTOM LENGTHS AND FABRICATION AVAILABLE



SHEETS

HOT ROLLED, COLD ROLLED AND GALVANIZED

Sheet Size in Inches			Weight Per Sheet	Galvanized Weight Per Sheet	Sheet Size in Inches			Weight Per Sheet	Galvanized Weight Per Sheet
7 gauge			.1793 in. 7.5 #/sq.ft.	---	12 gauge cont.			.1046 in. 4.375 #/sq.ft.	.1084 in. 4.531 #/sq.ft.
48	x 96	240.00	---	---	60	x 144	262.50	271.86	---
	x 120	300.00	---	---		x 240	437.50	453.10	---
	x 144	360.00	---	---	72	x 96	210.00	---	---
	x 240	600.00	---	---		x 120	262.50	---	---
60	x 96	300.00	---	---		x 144	315.00	---	---
	x 120	375.00	---	---		x 240	525.00	---	---
	x 144	450.00	---	---	14 gauge			.0747 in. 3.125 #/sq.ft.	.0785 in. 3.281 #/sq.ft.
	x 240	750.00	---	---	48	x 96	100.00	104.99	---
72	x 96	360.00	---	---		x 120	125.00	131.24	---
	x 120	450.00	---	---		x 144	150.00	157.49	---
	x 144	540.00	---	---	60	x 96	125.00	131.24	---
	x 240	900.00	---	---		x 120	156.25	164.05	---
10 gauge			.1345 in. 5.625 #/sq.ft.	.1382 in. 5.781 #/sq.ft.		x 144	187.50	196.86	---
48	x 96	180.00	184.99	---	16 gauge			.0598 in. 2.5 #/sq.ft.	.0635 in. 2.656 #/sq.ft.
	x 120	225.00	231.24	---	48	x 96	80.00	84.99	---
	x 144	270.00	277.48	---		x 120	100.00	106.24	---
	x 240	450.00	462.48	---		x 144	120.00	127.49	---
60	x 96	225.00	231.24	---	60	x 96	100.00	106.24	---
	x 120	281.25	289.05	---		x 120	125.00	132.80	---
	x 144	337.50	346.86	---		x 144	150.00	159.36	---
	x 240	562.50	578.10	---	18 gauge			.0478 in. 2.0 #/sq.ft.	.0516 in. 2.156 #/sq.ft.
72	x 96	270.00	---	---	48	x 96	64.00	68.99	---
	x 120	337.50	---	---		x 120	80.00	86.24	---
	x 144	405.00	---	---		x 144	96.00	103.49	---
	x 240	675.00	---	---	60	x 96	80.00	---	---
11 gauge			.1196 in. 5.0 #/sq.ft.	.1233 in. 5.156 #/sq.ft.		x 120	100.00	---	---
48	x 96	160.00	164.99	---		x 144	120.00	---	---
	x 120	200.00	206.24	---	20 gauge			.0359 in. 1.5 #/sq.ft.	.0396 in. 1.656 #/sq.ft.
	x 144	240.00	247.49	---	48	x 96	48.00	52.99	---
60	x 96	200.00	206.24	---		x 120	60.00	66.24	---
	x 120	250.00	257.80	---		x 144	72.00	79.49	---
	x 144	300.00	309.36	---	22 gauge			.0299 in. 1.25 #/sq.ft.	.0336 in. 1.406 #/sq.ft.
	x 240	500.00	515.60	---	48	x 96	40.00	44.99	---
72	x 96	240.00	---	---		x 120	50.00	56.24	---
	x 120	300.00	---	---		x 144	60.00	67.48	---
	x 144	360.00	---	---	24 gauge			.0239 in. 1.0 #/sq.ft.	.0276 in. 1.156 #/sq.ft.
	x 240	600.00	---	---	48	x 96	32.00	36.99	---
12 gauge			.1046 in. 4.375 #/sq.ft.	.1084 in. 4.531 #/sq.ft.		x 120	40.00	46.24	---
48	x 96	140.00	144.99	---	26 gauge			.0179 in. .750 #/sq.ft.	.0217 in. .906 #/sq.ft.
	x 120	175.00	181.24	---	48	x 96	28.00	30.99	---
	x 144	210.00	217.49	---		x 120	36.00	39.99	---
60	x 96	175.00	181.24	---	28 gauge			.0149 in. .625 #/sq.ft.	.0187 in. .781 #/sq.ft.
	x 120	218.75	226.55	---		x 120	48.00	52.99	---

CUSTOM SHEARING AVAILABLE



PLATES

PLATE WEIGHTS PER SQUARE FOOT – ALSO AVAILABLE IN GALVANIZED

Size in Inches	Weight, Lbs. Square Foot	Size in Inches	Weight, Lbs. Square Foot
3/16	7.66	2-1/4	91.89
1/4	10.21	2-1/2	102.10
5/16	12.76	2-3/4	112.31
3/8	15.31	3	122.52
7/16	17.87	3-1/4	132.72
1/2	20.42	3-1/2	142.93
9/16	22.97	3-3/4	153.14
5/8	25.52	4	163.35
11/16	28.08	4-1/4	173.56
3/4	30.63	4-1/2	183.77
7/8	35.73	5	204.19
1	40.84	5-1/2	224.61
1-1/8	45.94	6	245.03
1-1/4	51.05	6-1/2	265.45
1-3/8	56.16	7	285.87
1-1/2	61.26	7-1/2	306.29
1-5/8	66.36	8	326.71
1-3/4	71.47	8-1/2	347.13
1-7/8	76.57	9	367.55
2	81.68	10	408.38
2-1/8	86.78	12	490.06

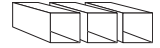
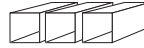


FLOOR PLATES

PLATE WEIGHTS PER SQUARE FOOT – ALSO AVAILABLE IN GALVANIZED

Size in Inches	Weight, Lbs. Square Foot	Size in Inches	Weight, Lbs. Square Foot
16 gauge	3.00	1/4	11.26
14 gauge	3.75	5/16	13.81
12 gauge	5.25	3/8	16.37
1/8	6.15	1/2	21.47
3/16	8.71	3/4	31.68

CUSTOM SIZES AND FABRICATION AVAILABLE



SQUARE TUBING

ALSO AVAILABLE IN GALVANIZED

Size (Inches)	Gauge	Lbs. Per Foot	Size (Inches)	Gauge	Lbs. Per Foot
1/2 x 1/2	16	0.384	4 x 4	14	4.42
3/4 x 3/4	16	0.605		11	6.46
1 x 1	16	0.827		3/16	9.42
	14	1.035		1/4	12.21
	11	1.436		5/16	14.83
1-1/4 x 1-1/4	16	1.047		3/8	17.27
	14	1.317		1/2	21.63
	11	1.844	5 x 5	3/16	11.97
	3/16	2.400		1/4	15.62
1-1/2 x 1-1/2	16	1.268		5/16	19.08
	14	1.599		3/8	22.37
	11	2.252		1/2	28.43
	3/16	3.040	6 x 6	3/16	14.53
	1/4	3.700		1/4	19.02
2 x 2	16	1.71		5/16	23.34
	14	2.164		3/8	27.48
	11	3.05		1/2	35.24
	3/16	4.32	7 x 7	3/16	17.08
	1/4	5.41		1/4	22.42
2-1/2 x 2-1/2	14	2.73		5/16	27.59
	11	3.90		3/8	32.58
	3/16	5.59		1/2	42.05
	1/4	7.11	8 x 8	3/16	19.63
3 x 3	14	3.29		1/4	25.82
	11	4.75		5/16	31.84
	3/16	6.87		3/8	37.69
	1/4	8.81		1/2	48.85
	5/16	11.08		5/8	59.32
	3/8	12.17	10 x 10	3/16	24.73
3-1/2 x 3-1/2	11	5.61		1/4	32.63
	3/16	8.15		5/16	40.35
	1/4	10.51		3/8	47.90
	5/16	12.70		1/2	62.46
				5/8	76.37
			12 x 12	1/4	39.43
				5/16	48.86
				3/8	58.10
				1/2	76.07

LARGER SIZES AVAILABLE

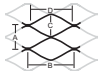


RECTANGULAR TUBING

ALSO AVAILABLE IN GALVANIZED

Size (Inches)					Gauge	Thickness	Lbs. Per Foot	Size (Inches)					Gauge	Thickness	Lbs. Per Foot
1-1/2	x	1	16	0.065	1.047			6	x	4	3/16	0.188	11.97		
			14	0.083	1.317						1/4	0.250	15.62		
			11	0.120	1.844						5/16	0.312	19.08		
2	x	1	16	0.065	1.268						3/8	0.375	22.37		
			14	0.083	1.599						1/2	0.500	28.43		
			11	0.120	2.252			7	x	5	3/16	0.188	14.53		
2	x	1-1/2	11	0.120	2.66						1/4	0.250	19.02		
2-1/2	x	1-1/2	14	0.083	2.164						5/16	0.312	23.34		
			11	0.120	3.05						3/8	0.375	27.48		
			3/16	0.188	4.32						1/2	0.500	35.24		
			1/4	0.250	5.41			8	x	2	3/16	0.188	11.97		
3	x	1	16	0.065	1.71						1/4	0.250	15.62		
			14	0.083	2.164						3/8	0.375	22.37		
			11	0.120	3.05			8	x	3	3/16	0.188	13.25		
3	x	1-1/2	14	0.083	2.45						1/4	0.250	17.32		
			11	0.120	3.48						5/16	0.312	21.21		
			3/16	0.188	4.96						3/8	0.375	24.93		
3	x	2	14	0.083	2.73						1/2	0.500	31.84		
			11	0.120	3.90			8	x	4	3/16	0.188	14.53		
			3/16	0.188	5.59						1/4	0.250	19.02		
			1/4	0.250	7.11						5/16	0.312	23.34		
			3/8	0.312	8.45						3/8	0.375	27.48		
4	x	2	14	0.083	3.29						1/2	0.500	35.24		
			11	0.120	4.75			8	x	6	3/16	0.188	17.08		
			3/16	0.188	6.87						1/4	0.250	22.42		
			1/4	0.250	8.81						5/16	0.312	27.59		
			5/16	0.312	10.58						3/8	0.375	32.58		
			3/8	0.375	12.17						1/2	0.500	42.05		
4	x	3	14	0.083	3.86			10	x	2	3/16	0.188	14.53		
			11	0.120	5.61						1/4	0.250	19.02		
			3/16	0.188	8.15			10	x	4	1/4	0.250	22.42		
			1/4	0.250	10.51						5/16	0.312	27.59		
			3/8	0.375	14.72						3/8	0.375	32.58		
5	x	2	11	0.120	5.61						1/2	0.500	42.05		
			3/16	0.188	8.15			10	x	6	3/16	0.188	19.63		
			1/4	0.250	10.51						1/4	0.250	25.82		
5	x	3	11	0.120	6.46						5/16	0.312	31.84		
			3/16	0.188	9.42						3/8	0.375	37.69		
			1/4	0.250	12.21			10	x	8	3/16	0.188	22.18		
			5/16	0.312	14.83						1/4	0.250	29.29		
			3/8	0.375	17.27						5/16	0.312	36.38		
			1/2	0.500	21.63						3/8	0.375	42.79		
5	x	4	3/16	0.188	10.7						1/2	0.500	55.66		
			1/4	0.250	13.91			12	x	2	3/16	0.188	17.08		
6	x	2	11	0.120	6.46						1/4	0.250	22.42		
			3/16	0.188	9.42						3/8	0.375	32.58		
			1/4	0.250	12.21			12	x	4	3/16	0.188	19.63		
			5/16	0.312	14.83						1/4	0.250	25.82		
			3/8	0.375	17.27						5/16	0.312	31.84		
6	x	3	3/16	0.188	10.70						3/8	0.375	37.69		
			1/4	0.250	13.91						1/2	0.500	48.85		
			5/16	0.312	16.96			12	x	6	3/16	0.188	22.18		
			3/8	0.375	19.82						1/4	0.250	29.23		
			1/2	0.500	25.03						5/16	0.312	36.10		
											3/8	0.375	42.79		

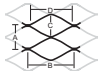
PLEASE INQUIRE ABOUT OTHER SIZES



STANDARD EXPANDED METAL

ALSO AVAILABLE IN ALUMINUM, STAINLESS AND GALVANIZED

Size (inches) & Style No.	Weight in Pounds per Hundred Sq. Ft.	Center to Center of Bond (inches)		Size of Openings (inches)		Size of Strands (inches)		Overall Thickness (inches)
		A	B	C	D	Width	Thickness	
		Width	Length	Width	Length	Width	Thickness	
3/16 # 24	50	0.200	0.50	0.166	0.437	0.050	0.024	0.086
# 22	62	0.200	0.50	0.166	0.437	0.050	0.030	0.088
# 20	75	0.200	0.50	0.166	0.437	0.050	0.036	0.090
1/4 # 20	86	0.255	1.00	0.172	0.719	0.073	0.036	0.125
# 18	114	0.255	1.00	0.172	0.719	0.073	0.048	0.125
1/2 # 20	43	0.500	1.20	0.438	0.938	0.072	0.036	0.124
# 18	70	0.500	1.20	0.438	0.938	0.088	0.048	0.155
# 16	86	0.500	1.20	0.375	0.938	0.086	0.060	0.157
# 13	147	0.500	1.20	0.313	0.938	0.096	0.092	0.182
3/4 # 16	54	0.923	2.00	0.813	1.750	0.099	0.060	0.186
# 13	80	0.923	2.00	0.750	1.688	0.096	0.092	0.195
# 10	120	0.923	2.00	0.750	1.625	0.144	0.092	0.282
# 9	180	0.923	2.00	0.688	1.563	0.148	0.134	0.300
1-1/2 # 18	20	1.330	3.00	1.313	2.625	0.067	0.048	0.140
# 16	40	1.330	3.00	1.250	2.625	0.107	0.060	0.211
# 13	60	1.330	3.00	1.188	2.500	0.104	0.092	0.215
# 10	79	1.330	3.00	1.188	2.500	0.137	0.092	0.289
# 9	120	1.330	3.00	1.125	2.375	0.142	0.134	0.295
# 6	250	1.330	3.00	1.000	2.313	0.201	0.198	0.425

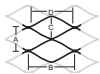


FLATTENED EXPANDED METAL

ALSO AVAILABLE IN ALUMINUM, STAINLESS AND GALVANIZED

Size (inches) & Style No.	Weight in Pounds per Hundred Sq. Ft.	Center to Center of Bond (inches)		Size of Openings (inches)		Size of Strands (inches)		Overall Thickness (inches)
		A	B	C	D	Width	Thickness	
		Width	Length	Width	Length	Width	Thickness	
3/16 # 24	48	0.200	0.52	0.085	0.459	0.057	0.019	0.019
# 22	60	0.200	0.52	0.085	0.459	0.057	0.024	0.024
# 20	72	0.200	0.52	0.085	0.459	0.057	0.029	0.029
1/4 # 20	83	0.255	1.03	0.094	0.688	0.086	0.030	0.030
# 18	111	0.255	1.03	0.094	0.688	0.086	0.040	0.040
1/2 # 20	40	0.500	1.26	0.375	1.000	0.070	0.029	0.029
# 18	66	0.500	1.26	0.281	1.000	0.109	0.039	0.039
# 16	82	0.500	1.26	0.250	1.000	0.103	0.050	0.050
# 13	140	0.500	1.26	0.250	1.000	0.122	0.070	0.070
3/4 # 16	51	0.923	2.10	0.750	1.750	0.115	0.048	0.048
# 14	63	0.923	2.12	0.688	1.813	0.119	0.061	0.061
# 13	75	0.923	2.10	0.688	1.782	0.119	0.070	0.070
# 9	171	0.923	2.12	0.563	1.688	0.164	0.120	0.120
1-1/2 # 16	38	1.330	3.20	1.063	2.750	0.123	0.048	0.048
# 14	46	1.330	3.20	1.063	2.750	0.138	0.060	0.060
# 13	57	1.330	3.20	1.063	2.750	0.138	0.070	0.070
# 9	111	1.330	3.20	1.000	2.563	0.175	0.110	0.110

STANDARD SHEET SIZE 4' X 8' - OTHER SIZES AVAILABLE



EXPANDED METAL GRATING

ALSO AVAILABLE IN ALUMINUM, STAINLESS AND GALVANIZED

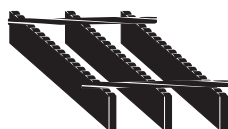
Style	Weight Pounds per in Hundred C.S.F.	Center to Center of Bond (inches)		Size of Openings (inches)		Size of Strands (inches)		Overall Thickness (inches)
		A	B	C	D			
		Width	Length	Width	Length	Width	Thickness	
3 lb.	300	1.335	5.33	0.938	3.438	0.261	0.183	0.500
3.14 lb.	314	2.000	6.00	1.625	4.875	0.308	0.250	0.562
4 lb.	400	1.335	5.33	0.938	3.438	0.297	0.215	0.625
4.27 lb.	427	1.412	4.00	1.000	2.875	0.297	0.250	0.625
5 lb.	500	1.333	5.33	0.813	3.375	0.327	0.250	0.625
6.25 lb.	625	1.412	5.33	0.813	3.375	0.347	0.312	0.750
7 lb.	700	1.412	5.33	0.813	3.375	0.388	0.312	0.750

Standard Sheet Size is 4' X 8'.

BAR GRATING



Smooth-surface grating



Serrated-surface safety grating

GRATING AVAILABLE IN CARBON STEEL, ALUMINUM, STAINLESS AND FIBERGLASS

Standard Sheet Sizes

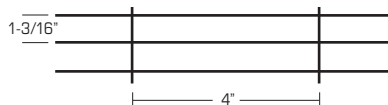
2' & 3' wide
20' & 24' long

UNPAINTED OR GALVANIZED

Standard Mesh Types

Type 19W4

(OTHER PATTERNS ARE AVAILABLE)



Lbs. Per Sq. Ft.			
Bearing Bars		Type 19W4	
3/4	x 1/8	4.0	
x	3/16	5.6	
1	x 1/8	5.1	
x	3/16	7.3	
1-1/4	x 1/8	6.1	
x	3/16	8.9	

Lbs. Per Sq. Ft.			
Bearing Bars		Type 19W4	
1-1/2	x 1/8	7.3	
x	3/16	10.6	
1-3/4	x 3/16	12.2	
2	x 3/16	13.9	
2-1/4	x 3/16	15.4	
2-1/2	x 3/16	17.1	

CUSTOM FABRICATED PIECES AVAILABLE - GRATING CLIPS STOCKED



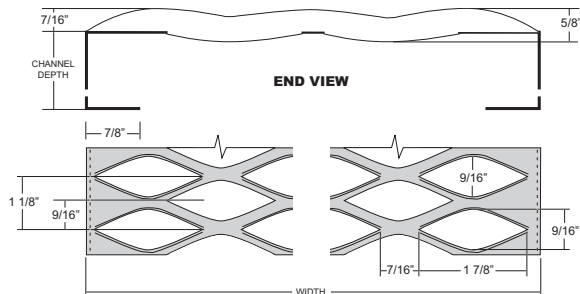
PERFORATED METAL

Please Ask Your Salesman For More Information.



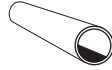
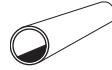
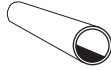
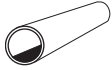
DIAMOND-GRIP SAFETY GRATING

GALVANIZED



	Width	Channel	Gauge	Wgt. Lb/Ft	Length
3 diamond	7"	2"	12	4.4	12'
4 diamond	9-1/2"	2"	12	5.1	12'
5 diamond	11-3/4"	2"	12	6.1	12'

OTHER SIZES AVAILABLE



PIPE DIMENSIONS & WEIGHTS

ALSO AVAILABLE IN GALVANIZED

PIPE DIMENSIONS & WEIGHTS

ALSO AVAILABLE IN GALVANIZED

Pipe Size Up To 6" Are Available Plain End (PE) Or Threaded & Collared (T&C) Schedule - Wall Thickness / Wgt. Ft.							Pipe Size Up To 6" Are Available Plain End (PE) Or Threaded & Collared (T&C) Schedule - Wall Thickness / Wgt. Ft.									
NOMINAL PIPE SIZE	OD IN INCHES	10	20	30	40	STD	60	80	XH	100	120	140	160	XXH		
1/8"	.405				.068 .2447	.068 .2447		.095 .3145	.095 .3145							
1/4"	.540				.088 .4248	.088 .4248		.119 .5351	.119 .5351							
3/8"	.675				.091 .5676	.091 .5676		.126 .7388	.126 .7388							
1/2"	.840				.109 .8510	.109 .8510		.147 1.088	.147 1.088				.188 1.304	.294 1.714		
3/4"	1.050				.113 1.131	.113 1.131		.154 1.47	.154 1.47				.219 1.937	.308 2.441		
1"	1.315				.133 1.679	.133 1.679		.179 2.17	.179 2.17				.250 2.844	.358 3.66		
1-1/4"	1.660	.109 1.806			.140 2.273	.140 2.273		.191 3.00	.191 3.00				.250 3.765	.382 5.214		
1-1/2"	1.900	.109 2.085			.145 2.718	.145 2.718		.200 3.63	.200 3.63				.281 4.859	.400 6.408		
2"	2.375 2-3/8"	.109 2.638			.154 3.653	.154 3.653		.218 5.02	.218 5.02				.344 7.46	.436 9.03		
2-1/2"	2.875 2-7/8"	.120 3.531			.203 5.793	.203 5.793		.276 7.66	.276 7.66				.375 10.01	.552 13.70		
3"	3.5 3-1/2"	.120 4.332			.216 7.576	.216 7.576		.300 10.25	.300 10.25				.438 14.32	.600 18.58		
3-1/2"	4.0 4"				.226 9.109	.226 9.109		.318 12.51	.318 12.51					.636 22.85		
4"	4.5 4-1/2"	.120 5.613			.237 10.790	.237 10.79		.337 14.98	.337 14.98		.438 19.00		.531 22.51	.674 27.54		
5"	5.563 5-9/16"	.134 7.770			.258 14.62	.258 14.62		.375 20.78	.375 20.78		.500 27.04		.625 32.96	.750 38.55		
6"	6.625 6-5/8"	.134 9.289			.280 18.97	.280 18.97		.432 28.57	.432 28.57		.562 36.39		.719 45.35	.864 53.16		
8"	8.625 8-5/8"	.148 13.40	.250 22.36	.277 24.70	.322 28.55	.322 28.55	.406 35.64	.500 43.39	.500 43.39	.594 50.95	.719 60.71	.812 67.76	.906 74.69	.875 72.42		
10"	10.75 10-3/4"	.165 18.70	.250 28.04	.307 34.24	.365 40.48	.365 40.48	.500 54.74	.594 64.43	.500 54.74	.719 77.03	.844 89.29	1.000 104.13	1.125 115.65			
12"	12.75 12-3/4"	.180 24.20	.250 33.38	.330 43.77	.406 53.52	.375 49.56	.562 73.15	.668 88.63	.500 65.42	.844 107.32	1.000 125.49	1.125 139.68	1.312 160.27			
14"	14.0	.250 36.71	.312 45.61	.375 54.57	.438 63.44	.375 54.57	.594 85.05	.750 106.13	.500 72.09	.938 130.85	1.094 150.79	1.250 170.22	1.406 189.11			
16"	16.0	.250 42.05	.312 52.27	.375 62.58	.500 82.77	.375 62.58	.656 107.50	.844 136.62	.500 82.77	1.031 164.82	1.219 192.43	1.438 223.64	1.594 245.25			
18"	18.0	.250 47.39	.312 58.94	.438 82.15	.562 104.67	.375 70.59	.750 138.17	.938 170.92	.500 93.45	1.156 207.96	1.375 244.14	1.562 274.22	1.781 308.50			
20"	20.0	.250 52.73	.375 78.60	.500 104.13	.594 123.11	.375 78.60	.812 166.40	1.031 208.87	.500 104.13	1.281 256.10	1.500 296.37	1.750 341.10	1.969 379.10			
24"	24.0	.250 63.41	.375 94.62	.562 140.68	.688 171.29	.375 94.62	.969 238.35	1.219 296.58	.500 125.49	1.531 367.39	1.812 429.39	2.062 483.12	2.344 542.14			
30"	30.0	.312 98.93	.500 157.53			.375 118.65			.500 157.53							
36"	36.0	.312 118.92	.500 189.57			.375 142.68			.500 189.57							



ALUMINUM

An ample inventory of structural shapes in several grade choices is available for any project.

Plate and Sheet

Sheet thickness from .032 to .190

Plate thickness from 1/4" to 6"

Grades 3003, 5005, 5052, 6061

Tread Plate

1/8" to 1/2"

Shapes

Channel, Structural Angle, Architectural Angle, Beam, Square and Rectangle Tube

Bars

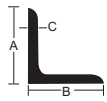
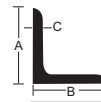
Round, Square, Flat in various grades



ALUMINUM STRUCTURAL CHANNELS

AMERICAN STANDARD -25 FOOT LENGTHS

Size in Inches					Weight per Lin. Foot	Weight per Length
A	x	B	x	C		
3	x	1.410	x	.170	1.417	35.43
	x	1.498	x	.258	1.729	43.23
	x	1.596	x	.356	2.074	51.85
4	x	1.580	x	.180	1.846	46.15
	x	1.647	x	.247	2.161	54.03
	x	1.720	x	.320	2.504	62.60
5	x	1.750	x	.190	2.316	57.90
	x	1.885	x	.325	3.108	77.70
	x	2.032	x	.472	3.975	99.38
6	x	1.920	x	.200	2.826	70.65
	x	1.945	x	.225	3.002	75.05
	x	2.034	x	.314	3.631	90.78
	x	2.157	x	.437	4.498	112.45
7	x	2.110	x	.230	3.541	88.53
	x	2.194	x	.314	4.232	105.80
8	x	2.290	x	.250	4.252	106.30
	x	2.343	x	.303	4.751	118.78
	x	2.435	x	.395	5.617	140.43
	x	2.527	x	.487	6.484	162.10
9	x	2.430	x	.230	4.604	115.10
	x	2.648	x	.448	6.911	172.78
10	x	2.600	x	.240	5.278	131.95
	x	2.739	x	.379	6.915	172.88
	x	2.886	x	.526	8.641	216.03
12	x	2.960	x	.300	7.411	185.28
	x	3.047	x	.387	8.639	215.98
	x	3.170	x	.510	10.374	259.35
15	x	3.400	x	.400	11.708	292.70



ALUMINUM STRUCTURAL ANGLES

25 FOOT LENGTHS

Size in Inches					Weight per Lin. Foot	Weight per Length
A	x	B	x	C		
3/4	x	3/4	x	1/8	.201	5.03
1	x	1	x	1/8	.275	6.88
			x	3/16	.400	10.00
			x	1/4	.514	12.85
1-1/4	x	1-1/4	x	1/8	.343	8.58
			x	3/16	.510	12.75
			x	1/4	.656	16.40
1-1/2	x	1-1/2	x	1/8	.423	10.58
			x	3/16	.619	15.48
			x	1/4	.809	20.23
			x	3/8	1.176	29.40
1-3/4	x	1-3/4	x	1/8	.497	12.43
			x	3/16	.731	18.28
			x	1/4	.956	23.90
			x	5/16	1.171	29.28
			x	3/8	1.378	34.45
2	x	2	x	1/8	.577	14.43
			x	3/16	.850	21.25
			x	1/4	1.110	27.75
			x	5/16	1.364	34.10
			x	3/8	1.606	40.15
2-1/2	x	2-1/2	x	1/8	.724	18.10
			x	3/16	1.070	26.75
			x	1/4	1.404	35.10
			x	5/16	1.729	43.23
			x	3/8	2.047	51.18
3	x	3	x	3/16	1.275	31.88
			x	1/4	1.684	42.10
			x	5/16	2.082	52.05
			x	3/8	2.474	61.85
			x	1/2	3.227	80.68
3-1/2	x	3-1/2	x	1/4	1.989	49.73
			x	5/16	2.461	61.53
			x	3/8	2.926	73.15
			x	1/2	3.826	95.65
4	x	4	x	1/4	2.283	57.08
			x	5/16	2.829	70.73
			x	3/8	3.366	84.15
			x	1/2	4.414	110.35
			x	5/8	5.425	135.63
5	x	5	x	3/8	4.237	105.93
			x	1/2	5.578	139.45
6	x	6	x	3/8	5.119	127.98
			x	1/2	6.754	168.85
			x	5/8	8.352	208.80
8	x	8	x	1/2	9.141	228.53
			x	3/4	13.478	336.95



ALUMINUM ROUNDS

12 FOOT LENGTHS

Diameter In Inches	Weight per Lin. Foot	Diameter In Inches	Weight per Lin. Foot
1/8	.014	1-7/8	3.244
3/16	.032	2	3.691
7/32	.044	2-1/8	4.166
1/4	.058	2-1/4	4.671
5/16	.090	2-1/2	5.767
3/8	.130	2-5/8	6.358
7/16	.177	2-3/4	6.978
1/2	.230	3	8.304
9/16	.292	3-1/4	9.746
5/8	.360	3-1/2	11.303
3/4	.519	3-5/8	12.140
7/8	.706	3-3/4	12.975
1	.923	4	14.763
1-1/8	1.168	4-1/4	16.666
1-1/4	1.442	4-1/2	18.684
1-5/16	1.590	5	23.067
1-3/8	1.745	5-1/2	27.999
1-7/16	1.907	6	33.217
1-1/2	2.076	6-1/2	38.983
1-5/8	2.436	7	45.212
1-3/4	2.826	7-1/2	51.901
1-13/16	3.031	8	59.051



ALUMINUM SHEETS

Size in Inches				Weight per Sq. Foot	Weight per Sheet
.032	x	48	x 96	.447	14.30
			x 120		17.88
			x 144		21.46
.040	x	48	x 96	.559	17.89
			x 120		22.36
			x 144		26.83
.050	x	48	x 96	.698	22.34
			x 120		27.92
			x 144		33.50
.063	x	48	x 96	.880	28.16
			x 120		35.20
			x 144		42.24
.080	x	48	x 96	1.117	35.74
			x 144		53.62
.090	x	48	x 96	1.257	40.22
			x 144		60.34
.100	x	48	x 96	1.397	44.70
			x 120		55.88
			x 144		67.06
.125	x	48	x 96	1.746	55.87
			x 120		69.84
			x 144		83.81
.190	x	48	x 144	2.654	127.39



ALUMINUM RECTANGULAR BARS

12 FOOT LENGTHS

Size in Inches			Weight per Lin. Foot	Size in Inches			Weight per Lin. Foot
1/8	x	1/2	.074	3/8	x	4	1.764
	x	5/8	.092		x	6	2.646
	x	3/4	.110	1/2	x	3/4	.441
	x	1	.147		x	1	.588
	x	1-1/4	.184		x	1-1/4	.735
	x	1-1/2	.221		x	1-1/2	.882
	x	2	.294		x	1-3/4	1.029
3/16	x	3/4	.166		x	2	1.176
	x	1	.221		x	2-1/2	1.470
	x	1-1/4	.275		x	3	1.764
	x	1-1/2	.331		x	4	2.352
	x	2	.441		x	6	3.528
1/4	x	1/2	.147	5/8	x	3/4	.551
	x	3/4	.221		x	1	.735
	x	1	.294		x	1-1/4	.918
	x	1-1/4	.368		x	1-1/2	1.103
	x	1-1/2	.441		x	2	1.470
	x	1-3/4	.515	3/4	x	1	.882
	x	2	.588		x	1-1/4	1.103
	x	2-1/2	.735		x	1-1/2	1.323
	x	3	.882		x	2	1.764
	x	4	1.176		x	2-1/2	2.205
5/16	x	3/4	.275		x	3	2.646
	x	1	.368		x	3-1/2	3.087
	x	1-1/4	.460		x	4	3.528
	x	1-1/2	.551		x	6	5.292
	x	2	.735	1	x	1-1/4	1.470
3/8	x	1/2	.221		x	1-1/2	1.764
	x	3/4	.330		x	2	2.352
	x	1	.441		x	2-1/2	2.940
	x	1-1/4	.551		x	3	3.528
	x	1-1/2	.661		x	4	4.704
	x	2	.882		x	6	7.056
	x	3	1.323				



ALUMINUM PLATES

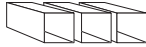
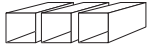
AVAILABLE IN VARIOUS ALLOYS

Thickness in Inches	Weight per Sq. Ft., Lbs.	Thickness in Inches	Weight per Sq. Ft., Lbs.
1/4	3.528	1-3/4	24.70
5/16	4.417	2	28.22
3/8	5.292	2-1/4	31.75
1/2	7.056	2-1/2	35.28
5/8	8.820	3	42.34
3/4	10.584	3-1/2	49.39
7/8	12.315	4	56.45
1	14.11	4-1/2	63.50
1-1/4	17.64	5	70.56
1-1/2	21.17	6	84.67



ALUMINUM DIAMOND TREAD PLATES

Size in Inches					Weight per Sq. Foot	Weight per Plate
C	x	A	x	B		
.125	x	48	x	192	2.000	128.00
	x	60	x	192		160.00
.188	x	48	x	192	3.000	192.00
	x	60	x	192		240.00
.250	x	48	x	192	3.900	249.60
	x	60	x	192		312.00
.375	x	48	x	192	5.600	358.40
	x	60	x	192		448.00
.500	x	48	x	192	7.300	467.20
	x	60	x	192		584.00



ALUMINUM SQUARE TUBING

21' - 1" LENGTHS

Size in Inches					Weight per Lin. Foot	Weight per Length
3/4	x	3/4	x	.065	.201	4.237
3/4	x	3/4	x	.125	.368	7.758
1	x	1	x	.065	.274	5.776
1	x	1	x	.125	.516	10.878
1-1/4	x	1-1/4	x	.120	.662	13.902
1-1/2	x	1-1/2	x	.065	.428	5.136
1-1/2	x	1-1/2	x	.125	.810	17.077
2	x	2	x	.125	1.103	23.254
3	x	3	x	.125	1.660	35.00
4	x	4	x	.120	2.279	47.859

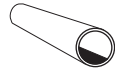
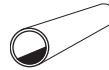


ALUMINUM RECTANGULAR TUBING

21' - 1" LENGTHS

Size in Inches					Weight per Lin. Foot	Weight per Length
1	x	2	x	.125	.809	17.07
1	x	3	x	.125	1.103	23.26
1	x	4	x	.125	1.397	29.45
1-1/2	x	2	x	.125	.956	20.16
2	x	3	x	.125	1.397	24.95
2	x	4	x	.125	1.690	33.80
2	x	5	x	.125	1.985	41.85

OTHER SIZES AVAILABLE - PLEASE CALL WITH YOUR REQUIREMENTS



ALUMINUM PIPE

20 FOOT LENGTHS

Nominal Size		O.D. Inches	I.D. Inches	Wall Thickness Inches	Weight per Lin. Ft.
1/8	Sch 40	.405	.269	.068	.085
1/4	Sch 40	.540	.364	.088	.147
3/8	Sch 40	.675	.493	.091	.196
1/2	Sch 40	.840	.622	.109	.294
3/4	Sch 40	1.050	.824	.113	.391
1	Sch 40	1.315	1.049	.133	.581
1	Sch 80	1.315	.957	.179	.751
1-1/4	Sch 40	1.660	1.380	.140	.786
1-1/4	Sch 80	1.660	1.278	.191	1.037
1-1/2	Sch 40	1.900	1.610	.145	.940
1-1/2	Sch 80	1.900	1.500	.200	1.256
2	Sch 40	2.375	2.067	.154	1.264
2	Sch 80	2.375	1.939	.218	1.737
2-1/2	Sch 40	2.875	2.469	.203	2.004
2-1/2	Sch 80	2.875	2.323	.276	2.650
3	Sch 40	3.500	3.068	.216	2.621
3	Sch 80	3.500	2.900	.300	3.547
3-1/2	Sch 40	4.000	3.548	.226	3.151
3-1/2	Sch 80	4.000	3.364	.318	4.326
4	Sch 40	4.500	4.026	.237	3.733
4	Sch 80	4.500	3.826	.337	5.183
5	Sch 40	5.563	5.047	.258	5.057
5	Sch 80	5.563	4.813	.375	7.188
6	Sch 40	6.625	6.065	.280	6.654
6	Sch 80	6.625	5.761	.432	9.884
8	Sch 40	8.625	7.981	.322	9.878
8	Sch 80	8.625	7.625	.500	15.010
10	Sch 40	10.750	10.020	.365	14.000
12	Sch 40	12.750	12.000	.375	17.140

FABRICATION

Miscellaneous fabrication available for any project in carbon, stainless or aluminum. From cutting, welding & assembly to galvanizing & plating, no project too large or small. We will work from your detailed sketch or drawing. Following is a list for some of our Fabrication services:

- Cutting
- Shearing
- Water-Jet
- Plasma Cutting
- Cut-Off Services
- Plate and Shape Rolling
- Tacking and Welding
- Pickling
- Plating and Galvanizing
- Heat Treating



CARBON

We offer a wide range of quality products in both domestic and import. Custom sizes and galvanizing are available to meet your needs.

PLATE

Smooth plate and floor plate. Thicknesses from 3/16" to 12" and widths up to 120".

Hot rolled material: A36, SA515 Grades 55, 60, 65 & 70, SA516 Grades 55, 60, 65 & 70, SA285 Grades A, B & C

SHEET

Thicknesses from 28 gauge to 7 gauge and widths up to 120"

Available finishes: Hot Rolled, Cold Rolled, Galvanized, Pickled & Oiled
Perforated also available

Tubing

Square, rectangular, round

Grating

Expanded Metal, Bar Grating, Grip Strut, Walkway Grating, Grating Clips

Bars

Flat, Round, Square, Hex, Hot Rolled and Cold Finished

Angle

A36, A588

Beams

I-Beam, Wide Flange, Junior Beam

Channel

Bar Sizes, Standard, Miscellaneous, Punched, Junior, Strut

Rebar

#3 to #18, Stock lengths, cut lengths, stirrups, spirals, corner bars, wire mesh, poly, chairs, tie wire

ALLOY

A large variety of different alloys are available in the shape and size you need. Material Test documentation is available for every order.

PLATE & SHEET

SA-203 Gr A,B,D,E,F; SA-204 Gr A,B,C, A588, A242, A606-4, A572-50, A572-65, AR400, AR500, AR360, T1-321, T1-360, AR235/200, A514, A656, API 2H, A633, A537, Inconel 254SMO, 654SMO, 17-4, 904

ROUND, SQUARE & HEX BARS

B16, 655 Silicon Bronze, 630, 2024-T4, Titanium, Nickel, Copper, Brass, Bronze, A2, 15-5, 17-4, A286, 630, 660, F44, F51, F53, F55, F6a, A694-65, F70, F1, F5, F9, F11, F22, Hastelloy, Inconel, Incoloy, Monel, Tool Steel, A2, D2, H11, H13, M2, O1, S7, 6G, W2713, 4130, 4140, 4142, 4145, 4340, 8620, Gray Ductile Iron, Cast Iron, Aluminum Bronze, Pump Shaft Quality Thicknesses from 28 gauge to 7 gauge and widths up to 120"

Available finishes: Hot Rolled, Cold Rolled, Galvanized, Pickled & Oiled
Perforated also available

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303, 304, 310, 316, 317, 321, 347, 410, 416, 420, 630, 660

Shapes

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An ample inventory of structural shapes in several grade choices is available for any project



FABRICATION

Miscellaneous fabrication available for any project in carbon, stainless or aluminum. From cutting, welding & assembly to galvanizing & plating, no project too large or small. We will work from your detailed sketch or drawing



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