

CHANNELS - STANDARD STRUCTURAL *

- Conforms to ASTM A36
- Lengths Available: 20 Ft. and 40 Ft.
- Stock items are highlighted in blue.



A Depth	B Flange Width	C Web Thickness	Lbs/Foot	Estimated Weight - Lbs.		Part No.	
				20 Ft.	40 Ft.		
3"	1.375"	.130"	3.5	70	-	140	-
3"	1.410"	.170"	4.1	82	Y0730	164	Y0731
3"	1.498"	.258"	5.0	100	Y0732	200	-
3"	1.596"	.356"	6.0	120	Y8537	240	Y8538
4"	1.580"	.180"	5.4	108	Y0733	216	Y0734
4"	1.647"	.247"	6.25	125	-	250	-
4"	1.720"	.320"	7.25	145	Y8508	290	-
5"	1.750"	.190"	6.7	134	Y0735	268	-
5"	1.885"	.325"	9.0	180	-	360	-
6"	1.920"	.200"	8.2	164	Y0737	328	Y0738
6"	2.034"	.314"	10.5	245	Y0739	490	Y8463
6"	2.157"	.437"	13.0	260	Y8489	520	-
7"	2.090"	.210"	9.8	196	Y0740	392	-
7"	2.194"	.314"	12.25	245	-	490	-
7"	2.299"	.419"	14.75	295	-	590	-
8"	1.875"	.180"	8.5	170	-	340	-
8"	2.260"	.220"	11.5	230	Y0743	460	-
8"	2.343"	.303"	13.75	275	-	550	Y0744
8"	2.527"	.487"	18.75	375	-	750	-
9"	2.430"	.230"	13.4	268	Y0860	536	-
9"	2.485"	.285"	15.0	300	-	600	-
9"	2.648"	.448"	20.0	400	-	800	-
10"	2.600"	.240"	15.3	306	Y0750	612	-
10"	2.739"	.379"	20.0	400	-	800	-
10"	2.886"	.526"	25.0	500	-	1000	-
10"	3.033"	.673"	30.0	600	-	1200	-
12"	2.940"	.280"	20.7	414	Y0755	828	Y0756
12"	3.047"	.387"	25.0	500	-	1000	-
12"	3.170"	.510"	30.0	600	Y8478	1200	-
15"	3.400"	.400"	33.9	678	Y0758	1356	-
15"	3.520"	.520"	40.0	800	-	1600	-
15"	3.716"	.716"	50.0	1000	-	2000	-

*Please Note: Ship and Car Channels are available by special order.

PLATE GRADES

LOW CARBON PLATE - Manufactured to three separate carbon ranges that relate to the thickness and end use requirements. Plates 3/4" and smaller are produced to the lowest carbon range (.10 to .20) for maximum cold forming and welding properties. In 3/4" to 1-1/2" plate the carbon range is .15 to .25 which gives improved machining while retaining its forming and welding properties. Plates over 1-1/2" have carbon in the range of .20 to .33. This is a killed steel that provides the best combination of strength, weldability and structural soundness.

ASTM A709 / GRADE 36 PLATE - A structural quality product designed for use in welded, bolted, or riveted fabrications such as oil rigs, buildings and bridges. Produces with a minimum yield of 36,000 psi. A36 plate can be used in the construction of a variety of lightweight structures and equipment where good welding properties are important.

ASTM 514B (T1 & TYPE A REG) STRUCTURAL QUALITY - A quenched and tempered high strength alloy steel designed for construction type applications and produced to minimum mechanical properties. T1 plate provides good formability, high strength, toughness at subzero temperatures, and weldability with minimal preheating requirements.

ASTM A285 / GRADE C - Fire box and flange quality designed for fusion welded boilers and pressure vessels where moderate strength and good forming are required.

ASTM A515 / GRADE 70 - Greater strength than A285 and intended for mid- and high temperature boilers and pressure vessels. It is silicon killed, coarse grained steel that required careful welding techniques.

ASTM A516 / GRADE 70 - Similar to A515 but intended for lower temperatures. Finer grain and improved notched toughness.

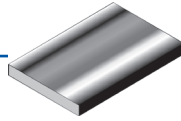
ASTM A572 / GRADE 50 - INX-EXTEN has a 50,000 psi minimum strength level. Offers high strength in combination with good formability and weldability. Atmospheric corrosion resistance is similar to plain carbon steel. SAE J410 and Grade 950X.

PLATE - AVERAGE MECHANICAL PROPERTIES

Grade	Tensile Strength	Minimum Yield	Elong. in 2" Min %	Misc. Properties
Low Carbon < 3/4"	-	-	-	.10 to .20 carbon
Low Carbon 3/4"- 1-1/2"	-	-	-	.15 to .25 carbon
Low Carbon > 1-1/2"	-	-	-	.20 to .33 carbon
ASTM A36	50,000 psi to 80,000 psi	36,000 psi	23	.25 to .29 carbon
ASTM A514 T1-A	105,000 psi to 135,000 psi	90,000 psi to 100,000 psi	17 to 18	.229 to .293 Brinell
ASTM A285 Grade C	55,000 psi to 65,000 psi	30,000 psi	25	.28 carbon
ASTM A515 Grade 70	70,000 psi to 85,000 psi	38,000 psi	17	.31 to .35 carbon
ASTM A516 Grade 70	70,000 psi to 85,000 psi	38,000 psi	17	.27 to .31 carbon
ASTM A572 Grade 50	65,000 psi	50,000 psi	21	.23 carbon

UNIVERSAL MILL PLATE

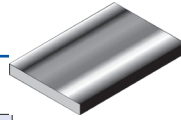
- Conforms to ASTM A36 and A709 GD36
- Lengths Available: 20 Ft.



Size	Part No.	Est. Weight - Lbs.	
		Per Ft.	20 Ft.
1/4" x 7"	Y8436	5.95	119.00
1/4" x 9"	-	7.660	153.20
1/4" x 10"	Y0351	8.510	170.20
1/4" x 11"	-	9.360	187.20
1/4" x 12"	Y0352	10.210	204.20
3/8" x 9"	-	11.490	229.80
3/8" x 10"	Y0354	12.76	255.20
3/8" x 11"	-	14.040	280.80
3/8" x 12"	Y0355	15.320	306.40
1/2" x 9"	-	15.320	306.40
1/2" x 10"	Y0357	17.020	340.40
1/2" x 11"	-	18.70	374.00
1/2" x 12"	Y0358	20.420	408.40

Size	Part No.	Est. Weight - Lbs.	
		Per Ft.	20 Ft.
5/8" x 9"	-	19.150	383.20
5/8" x 10"	-	21.270	425.40
5/8" x 11"	-	23.400	468.00
5/8" x 12"	-	25.530	510.60
3/4" x 9"	-	22.970	459.40
3/4" x 10"	Y0370	25.53	510.60
3/4" x 11"	-	28.080	561.60
3/4" x 12"	Y0372	30.630	612.60
1" x 9"	-	30.630	612.60
1" x 10"	-	34.030	680.60
1" x 11"	-	38.440	748.80
1" x 12"	Y0380	40.840	816.80

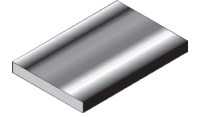
HOT ROLLED PLATE



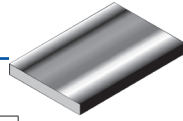
Size	Dimensions	Est. Weight - Lbs.		Part No.
		Per Sq. Ft.	Per Sheet	
3/16"	48" x 96"	7.66 Lbs	245.04	Y1230
3/16"	48" x 120"	7.66 Lbs	306.30	Y1231
3/16"	48" x 144"	7.66 Lbs	367.56	-
3/16"	48" x 240"	7.66 Lbs	612.60	-
3/16"	60" x 120"	7.66 Lbs	382.87	Y1232
3/16"	60" x 144"	7.66 Lbs	459.44	-
3/16"	60" x 240"	7.66 Lbs	765.74	-
3/16"	72" x 120"	7.66 Lbs	459.45	Y1233
3/16"	72" x 240"	7.66 Lbs	918.90	-
3/16"	96" x 240"	7.66 Lbs	1225.60	-
3/16"	120" x 480"	7.66 Lbs	3064.00	-
1/4"	48" x 96"	10.21	326.72	Y1235
1/4"	48" x 120"	10.21	408.40	Y1236
1/4"	48" x 144"	10.21	490.08	Y1234
1/4"	48" x 240"	10.21	816.80	-
1/4"	60" x 120"	10.21	510.50	Y1237
1/4"	60" x 144"	10.21	612.60	-
1/4"	60" x 240"	10.21	1021.00	-
1/4"	72" x 120"	10.21	612.60	Y1239
1/4"	72" x 140"	10.21	1225.20	YD012
1/4"	84" x 240"	10.21	1429.39	-

HOT ROLLED PLATE

Size	Dimensions	Est. Weight - Lbs.		Part No.
		Per Sq. Ft.	Per Sheet	
1/4"	96" x 240"	10.21	1633.59	Y1240
1/4"	120" x 480"	10.21	4084.00	-
5/16"	48" x 96"	12.76	408.32	Y8522
5/16"	48" x 120"	12.76	510.40	-
5/16"	48" x 144"	12.76	612.48	-
5/16"	48" x 240"	12.76	1020.80	-
5/16"	60" x 120"	12.76	638.00	-
5/16"	60" x 144"	12.76	765.60	-
5/16"	60" x 240"	12.76	1276.00	-
5/16"	72" x 144"	12.76	1531.50	YD008
5/16"	84" x 240"	12.76	1786.74	-
5/16"	96" x 240	12.76	2042.00	-
5/16"	120" x 480"	12.76	5104.00	-
3/4"	48" x 96"	15.32	490.08	-
3/4"	48" x 120"	15.32	612.60	-
3/4"	48" x 144"	15.32	735.36	-
3/4"	48" x 240"	15.32	1225.20	-
3/4"	60" x 120"	15.32	765.75	-
3/4"	60" x 240"	15.32	1531.50	-
3/8"	48" x 120"	15.32	-	Y1241
3/8"	72" x 120"	15.32	919.20	YD015
3/8"	72" x 240"	15.32	1837.79	YD009
3/8"	84" x 240"	15.32	2144.09	-
3/8"	96" x 240"	15.32	2450.39	Y8341
3/8"	120" x 480"	15.32	6128.00	-
1/2"	48" x 96"	20.42	653.44	Y1247
1/2"	48" x 120"	20.42	816.80	Y1248
1/2"	48" x 144"	20.42	980.16	-
1/2"	48" x 240"	20.42	1633.60	-
1/2"	60" x 120"	20.42	1021.00	Y1253
1/2"	60" x 240"	20.42	2042.00	-
1/2"	72" x 120"	20.42	1225.20	-
1/2"	72" x 240"	20.42	2450.39	-
1/2"	84" x 240"	20.42	2858.79	-
1/2"	96" x 240"	20.42	3267.19	Y1252
1/2"	120" x 480"	20.42	8168.00	-
5/8"	48" x 96"	25.53	816.96	Y8447
5/8"	48" x 120"	25.53	1021.20	-
5/8"	48" x 240"	25.53	2042.00	-
5/8"	60" x 120"	25.53	1276.50	-



HOT ROLLED PLATE

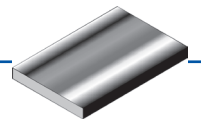


Size	Dimensions	Est. Weight - Lbs.		Part No.
		Per Sq. Ft.	Per Sheet	
5/8"	60" x 240"	25.53	2553.00	-
5/8"	72" x 120"	25.53	1531.80	-
5/8"	72" x 240"	25.53	3062.99	-
5/8"	84" x 240"	25.53	3573.49	-
5/8"	96" x 240"	25.53	4083.98	-
5/8"	120" x 480"	25.53	10212.00	-
3/4"	48" x 96"	30.63	980.16	Y1257
3/4"	48" x 120"	30.63	1225.20	Y1258
3/4"	48" x 240"	30.63	2450.39	-
3/4"	60" x 120"	30.63	1531.49	Y1259
3/4"	60" x 240"	30.63	3062.98	-
3/4"	72" x 240"	30.63	3675.59	-
3/4"	84" x 240"	30.63	4288.18	-
3/4"	96" x 240"	30.63	4900.78	-
3/4"	120" x 480"	30.63	12252.00	-
7/8"	48" x 240"	35.74	2859.20	-
1"	48" x 96"	40.84	1306.88	Y1265
1"	48" x 120"	40.84	1633.60	Y1263
1"	48" x 240"	40.84	3267.19	-
1"	60" x 120"	40.84	2042.00	Y1264
1"	60" x 240"	40.84	4083.98	-
1"	72" x 120"	40.84	2450.39	-
1"	72" x 240"	40.84	4900.78	-
1"	84" x 240"	40.84	5717.58	-
1"	96" x 240"	40.84	6534.37	-
1"	120" x 480"	40.84	16336.00	-
1-1/8"	60" x 240"	45.95	4595.00	-
1-1/8"	72" x 240"	45.95	5514.00	-
1-1/4"	48" x 96"	51.05	1633.59	Y1266
1-1/4"	48" x 120"	51.05	2042.00	-
1-1/4"	48" x 240"	51.05	4083.98	-
1-1/4"	60" x 120"	51.05	2552.50	-
1-1/4"	60" x 240"	51.05	5104.98	-
1-1/4"	72" x 240"	51.05	6125.98	-
1-1/4"	96" x 240"	51.05	8167.96	-
1-1/2"	48" x 120"	61.27	2450.80	-
1-1/2"	48" x 240"	61.27	4900.78	-
1-1/2"	60" x 120"	61.27	3063.50	-
1-1/2"	60" x 240"	61.27	6127.00	-
1-1/2"	72" x 240"	61.27	7351.18	-

HOT ROLLED PICKLED & OILED PLATE

Size	Dimensions	Est. Weight - Lbs.		Part No.
		Per Sq. Ft.	Per Sheet	
1-1/2"	84" x 240"	61.27	8577.80	-
1-1/2"	96" x 240"	61.27	9801.56	-
1-3/4"	48" x 120"	71.47	2858.80	-
1-3/4"	60" x 240"	71.47	7147.00	-
1-3/4"	72" x 120"	71.47	4288.20	-
1-3/4"	72" x 240"	71.47	8576.40	-
2"	48" x 96"	81.68	2613.76	Y1269
2"	48" x 240"	81.68	6534.40	-
2"	60" x 240"	81.68	8168.00	-
2"	72" x 240"	81.68	9810.56	-
2-1/4"	48" x 240"	91.88	7351.20	-
2-1/4"	60" x 240"	91.88	9188.96	-
2-1/4"	72" x 240"	91.88	11026.80	-
2-1/2"	48" x 240"	102.10	8168.00	-
2-1/2"	60" x 240"	102.10	10210.00	-
3"	48" x 240"	122.52	9810.60	-
3"	60" x 240"	122.52	12252.00	-
3"	72" x 240"	122.52	14702.34	-
4"	48" x 240"	163.36	13068.80	-
4"	60" x 240"	163.36	16336.00	-
4"	72" x 240"	163.36	19603.12	-
5"	48" x 240"	204.20	16336.00	-
5"	60" x 240"	204.20	20420.00	-
5"	72" x 240"	204.20	24504.00	-
6"	96" x 120"	245.04	19603.20	-

HOT ROLLED PICKLED & OILED PLATE



- ASTM A569.96
- A-1011 CS-B

Gauge	Dimensions	Est. Weight	
		Lbs/Sq.Ft.	Lbs/Sheet
3/16"	48" x 120"	7.66	306.30
1/4"	48" x 120"	10.21	408.40
1/4"	60" x 120"	10.21	510.50
5/16"	60" x 120"	12.76	510.40
3/8"	48" x 120"	15.32	612.60
1/2"	48" x 120"	20.42	816.80

FLOOR PLATE

Floor plate is designed to meet every possible application in which safe flooring is required. It gives a firm steady grip, regardless of the direction in which the plate is laid or the angle from which it's approached.



- 12GA and 14GA are ASTM A786
- 1/8" and larger are ASTM A36

Thickness	Size	Part No.	Est. Weight - Lbs.	
			Per Sq. Ft.	Per Piece
12 Gauge	48" x 96"	-	5.25	168
12 Gauge	48" x 120"	-	5.25	210
12 Gauge	60" x 120"	-	5.25	262.5
14 Gauge	48" x 96"	Y1286	3.75	120.0
14 Gauge	48" x 120"	Y1280	3.75	150.0
14 Gauge	60" x 120"	-	3.75	187.5
1/8"	48" x 96"	Y1284	6.16	197.00
1/8"	48" x 120"	Y1285	6.16	246.25
1/8"	48" x 144"	-	6.16	295.68
1/8"	48" x 240"	-	6.16	492.49
1/8"	60" x 120"	Y1287	6.16	307.81
1/8"	60" x 240"	-	6.16	615.62
3/16"	48" x 96"	Y1289	8.71	278.67
3/16"	48" x 120"	Y1291	8.71	348.34
3/16"	48" x 240"	-	8.71	696.69
3/16"	60" x 120"	-	8.71	435.43
3/16"	60" x 240"	Y1292	8.71	870.86
3/16"	72" x 240"	-	8.71	1045.03
1/4"	48" x 96"	Y1294	11.26	360.36
1/4"	48" x 120"	Y1295	11.26	450.45
1/4"	48" x 240"	-	11.26	900.89
1/4"	60" x 240"	-	11.26	1126.12
1/4"	72" x 120"	Y1297	11.26	675.60
1/4"	72" x 240"	-	11.26	1351.34
5/16"	48" x 120"	-	13.81	552.40
5/16"	48" x 240"	-	13.81	1104.80
5/16"	60" x 240"	-	13.81	1381.00
5/16"	72" x 240"	-	13.81	1657.20
3/8"	48" x 96"	Y1300	16.366	523.71
3/8"	48" x 120"	-	16.366	654.64
3/8"	48" x 240"	-	16.366	1309.28
3/8"	60" x 240"	-	16.366	1636.60
3/8"	72" x 240"	-	16.366	1963.96
1/2"	48" x 120"	-	21.47	858.80
1/2"	48" x 240"	-	21.47	1717.60
1/2"	60" x 240"	-	21.47	2147.00

SHEET GRADES

HOT ROLLED

LOW CARBON SHEET - A low cost steel sheet that is soft enough to bend flat on itself in any direction without cracking and is ductile enough for shallow drawing. Carbon is .10 maximum for improved welding and forming. Surface has normal mill oxide. Conforms to ASTM A569. Used for tanks, barrels, farm implements, and other applications where finish is secondary.

PICKLED AND OILED - Acid pickling provides smoother, more uniform surface. Paint and enamel will adhere well. Properties and characteristics same as low carbon sheet (see above). ASTM A569 and A1011-CS-B.

ABRASION RESISTING - Medium carbon content with a higher manganese content greatly improves resistance to abrasion. 210 minimum Brinell. For scrapers, liners, chutes, conveyors, etc. Outlasts low carbon steel by two to ten times. Moderate formability.

ASTM 514B (T1 & TYPE A REG) STRUCTURAL QUALITY - A quenched and tempered high strength alloy steel designed for construction type applications and produced to minimum mechanical properties. T1 plate provides good formability, high strength, toughness at subzero temperatures, and weldability with minimal preheating requirements.

COLD ROLLED

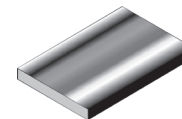
LOW CARBON - A continuous mill product made with a high degree of gauge accuracy and uniformity of physical characteristics. The smooth deoxidized matte finish gives an excellent base for paint, lacquer and enamel. Box annealing and absence of scale permit stamping and moderate drawing operations. Sheets bend flat on themselves without cracking. Oiling protects surface against rust. ASTM A1008 CS Type B Commercial Steel, oiled with carbon content held to .10 maximum for improved welding and forming.

GALVANIZED STEEL SHEET

Gauge	Dimensions	Part No.	Gauge	Dimensions	Part No.
24 GA / .0276"	48" x 120"	Y8466	16 GA / .0598"	48" x 120"	Y1154
20 GA / .0359"	48" x 120"	Y1158	14 GA / .0747	48" x 120"	Y1150
18 GA / .0478"	48" x 120"	Y1156	11 GA / .1196	48" x 96"	Y1152

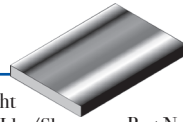
HOT ROLLED PICKLED & OILED SHEET

- ASTM A569.96
- A-1011 CS-B



Gauge	Dimensions	Est. Weight	
		Lbs/Sq.Ft.	Lbs/Sheet
14 GA / .0747	48" x 96"	3.125	100.00
14 GA / .0747	48" x 120"	3.125	125.00
12 GA / .1046	48" x 96"	4.275	140.00
12 GA / .1046	48" x 120"	4.275	175.00
11 GA / .1196	48" x 96"	5.00	160.00
11 GA / .1196	48" x 120"	5.00	200.00
10 GA / .1345	48" x 96"	5.625	180.00
10 GA / .1345	48" x 120"	5.625	225.00
7 GA / .1793	48" x 96"	7.500	240.00
7 GA / .1793	48" x 120"	7.500	300.00

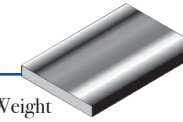
HOT ROLLED STEEL SHEET



- Low Carbon
- ASTM A569-96

Gauge	Dimensions	Est. Weight		Part No.
		Lbs/Sq.Ft.	Lbs/Sheet	
16 GA / .0598"	48" x 96"	2.50	80.0	Y1220
16 GA / .0598	48" x 120"	2.50	100.0	Y1221
16 GA / .0598	48" x 144"	2.50	120.0	
16 GA / .0598	60" x 96"	2.50	100.0	
16 GA / .0598	60" x 120"	2.50	125.0	Y1222
16 GA / .0598	60" x 144"	2.50	150.0	
14 GA / .0747	48" x 96"	3.13	100.0	Y1214
14 GA / .0747	48" x 120"	3.13	125.0	Y1215
14 GA / .0747	48" x 144"	3.13	150.0	
14 GA / .0747	60" x 96"	3.13	125.0	
14 GA / .0747	60" x 120"	3.13	156.3	Y1217
14 GA / .0747	60" x 144"	3.13	187.5	
12 GA / .1046	48" x 96"	4.38	140.0	Y1208
12 GA / .1046	48" x 120"	4.38	175.0	Y1209
12 GA / .1046	48" x 144"	4.38	210.0	
12 GA / .1046	60" x 96"	4.38	175.0	
12 GA / .1046	60" x 120"	4.38	218.8	
12 GA / .1046	60" x 144"	4.38	262.5	
12 GA / .1046	60" x 240"	4.38		YD001
11 GA / .1196	48" x 96"	5.00	160.0	Y1204
11 GA / .1196	48" x 120"	5.00	200.0	Y1205
11 GA / .1196	48" x 144"	5.00	240.0	
11 GA / .1196	60" x 96"	5.00	200.0	
11 GA / .1196	60" x 120"	5.00	250.0	Y1207
11 GA / .1196	60" x 144"	5.00	300.0	
11 GA / .1196	60" x 240"	5.00		YD002
11 GA / .1196	72" x 96"	5.00	240.0	
11 GA / .1196	72" x 120"	5.00	300.0	Y1199
11 GA / .1196	72" x 144"	5.00	360.0	Y1200
11 GA / .1196	72" x 240"	5.00	600.0	
10 GA / .1345	48" x 96"	5.63	180.0	Y1201
10 GA / .1345	48" x 120"	5.63	225.0	Y1202
10 GA / .1345	48" x 144"	5.63	270.0	
10 GA / .1345	60" x 96"	5.63	225.0	
10 GA / .1345	60" x 120"	5.63	281.3	Y1203
10 GA / .1345	60" x 144"	5.63	337.5	
10 GA / .1345	72" x 96"	5.63	270.0	
10 GA / .1345	72" x 120"	5.63	337.5	Y1198
10 GA / .1345	72" x 144"	5.63	405.0	
10 GA / .1345	72" x 240"	5.63	675.0	

COLD ROLLED STEEL SHEET



Plate

- Oiled
- ASTM A1008
- CS Type B

Gauge	Dimensions	Est. Weight		Part No.
		Lbs/Sq.Ft.	Lbs/Sheet	
26 GA	48" x 120"	0.75	30.0	Y8423
24 GA / .0239"	48" x 96"	1.000	32.00	-
24 GA / .0239	48" x 120"	1.000	40.00	Y8426
22 GA / .0299	48" x 96"	1.250	40.00	-
22 GA / .0299	48" x 120"	1.250	50.00	Y8469
22 GA / .0299	48" x 144"	1.250	60.00	-
20 GA / .0359	48" x 96"	1.500	48.00	-
20 GA / .0359	48" x 120"	1.500	60.00	Y8104
20 GA / .0359	48" x 144"	1.500	72.00	-
18 GA / .0478	48" x 96"	2.000	64.00	-
18 GA / .0478	48" x 120"	2.000	80.00	Y1223
18 GA / .0478	48" x 144"	2.000	96.00	-
18 GA / .0478	60" x 120"	2.000	100.0	-
16 GA / .0598	48" x 96"	2.500	80.00	-
16 GA / .0598	48" x 120"	2.500	100.00	Y8460
16 GA / .0598	48" x 144"	2.500	120.00	-
16 GA / .0598	60" x 96"	2.500	100.00	-
16 GA / .0598	60" x 120"	2.500	125.00	-
16 GA / .0598	60" x 144"	2.500	150.00	-
14 GA / .0747	48" x 96"	3.125	100.00	-
14 GA / .0747	48" x 120"	3.125	125.00	-
14 GA / .0747	48" x 144"	3.125	150.00	-
14 GA / .0747	60" x 96"	3.125	125.00	-
14 GA / .0747	60" x 120"	3.125	156.30	-
14 GA / .0747	60" x 144"	3.125	187.50	-
12 GA / .1046	48" x 96"	4.375	140.00	-
12 GA / .1046	48" x 120"	4.375	175.00	-
12 GA / .1046	48" x 144"	4.375	210.00	-
12 GA / .1046	60" x 96"	4.375	175.00	-
12 GA / .1046	60" x 120"	4.375	218.80	-
12 GA / .1046	60" x 144"	4.375	262.50	-

GAUGE CHART

Carbon Sheets to U.S. Standard or Manufacturers Gauge			Galvanized Sheets to Galvanized Sheet Gauge	
Gauge	Thickness	Lbs./Sq.Ft.	Thickness	Lbs./Sq.Ft.
3	.2391"	10.00	-	-
4	.2242	9.375	-	-
5	.2092	8.750	-	-
6	.1943	8.125	-	-
7	.1793	7.500	-	-
8	.1644	6.875	.1681	7.031
9	.1495	6.250	.1532	6.406
10	.1345	5.625	.1382	5.781
11	.1196	5.000	.1233	5.516
12	.1046	4.375	.1084	4.531
13	.0897	3.750	.0934	3.906
14	.0747	3.125	.0785	3.281
15	.0673	2.813	.0710	2.969
16	.0598	2.500	.0635	2.656
17	.0538	2.250	.0575	2.406
18	.0478	2.000	.0516	2.156
19	.0418	1.750	.0456	1.906
20	.0359	1.500	.0396	1.656
21	.0329	1.375	.0366	1.531
22	.0299	1.250	.0336	1.406
23	.0269	1.125	.0306	1.281
24	.0239	1.000	.0276	1.156
25	.0209	.8750	.0247	1.031
26	.0179	.7500	.0217	.9063
27	.0164	.6875	.0202	.8438
28	.0149	.6250	.0187	.7813
29	.0135	.5625	.0172	.7188
30	.0120	.5000	.0157	.6563

- 3/16" thickness and larger are classified as plates
- Sheets ordered by gauge weight or thickness are subject to standard thickness and weight tolerances
- The Galvanized Sheet Gauge is based on the U.S. Standard Gauge
- Each Galvanized Sheet Gauge Number is 2.5 ounces per sq. ft. heavier or .0037" thicker than the weight or thickness of the corresponding U.S. Standard Gauge Number, regardless of coating or weights.

BAR SELECTION GUIDE

HOT ROLLED RODS AND BARS

MERCHANT BAR QUALITY - These bars should be free from visible pipping. However, seams and other surface irregularities may be present. A general purpose mild steel which is easily fabricated by the usual methods. It is used in structural and non-critical applications involving mild cold bending, mild hot forming, punching and welding. Not recommended for forging, heat treating or intricate machining operations. ASTM A575 and QQ-S-630.

LOW CARBON - M1010 - Low carbon, general purpose merchant quality steel that features economy and formability and weldability. Hot Rolled Strip is often referred to as "band iron". Used for a variety of applications requiring a steel that can be cold formed, such as strapping, banding, ornamental iron work, brackets, etc.

M1020 - Low carbon, general purpose merchant quality steel. Produced to wider carbon and manganese ranges than standard steels. Suitable for forming and welding.

MEDIUM CARBON - M1044 - Similar to AISI 1045. Contains smaller amounts of manganese (.25/.60) therefore its strength and responsiveness to heat treatment are slightly lower.

ASTM A36 - These bars are designed for use in structural applications. 36,000 psi yield strength and 58,000 psi tensile strength.

COLD FINISHED RODS AND BARS

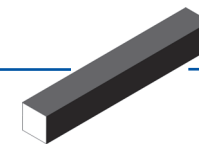
LOW CARBON - 1018 - This is a low carbon steel with a medium manganese content. Features good hardening properties, fair machinability and superior cold bending and forming use. Used for parts requiring cold forming, such as crimping, bending or swaging. Responds to any standard hardening methods including carburizing and heat treatments. Easily brazed and welded. Suitable for shafting and all applications that do not require the greater strength of high carbon and alloy steels. ASTM A-108.

GROUND & POLISHED SHAFTING (TG&P)

TURNED, GROUND AND POLISHED (TG&P) - Bars feature accurate size, straightness and concentricity to minimize wear in high speed applications. Because cold drawing strains are not developed these bars can be machined asymmetrically, such as for use in keyseating, with minimum distortion. TG&P bars combine the strength of cold drawn stock with additional accuracy and a lustrous finish. ASTM A-108 and QQ-S-637.

HOT ROLLED SQUARE

- Conforms to ASTM A36 and A709 GD36
- Lengths Available: 20 Ft.



Size	Part No.	Est. Weight - Lbs.	
		Per Ft.	20 Ft.
3/8"	Y0472	.478	9.56
1/2"	Y0474	.850	17.00
5/8"	Y0475	1.33	26.56
3/4"	Y0476	1.91	38.26
7/8"	-	2.60	52.06
1"	Y0478	3.40	68.00
1-1/8"	-	4.30	86.06

Size	Part No.	Est. Weight - Lbs.	
		Per Ft.	20 Ft.
1-1/4"	Y0479	5.31	106.30
1-3/8"	-	6.43	128.60
1-1/2"	Y0484	7.65	153.00
1-3/4"	-	10.41	208.20
2"	Y0488	13.60	272.00
2-1/4"	-	17.21	344.20
2-1/2"	-	21.25	425.00