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Serving Industry Since 1915

January 2008

HOT ROLLED HALF ROUNDS

Low Carbon

Merchant Quality M1020-A36

Size In.	Weight Per Foot Lbs.	Lengths Feet
½	.3338	20/23
⅝	.5215	20/23
¾	.7515	20/23
⅞	1.0222	20/23
1	1.3352	20/23
1¼	2.0862	20/23
1½	3.0041	20/23
1¾	4.0890	20/23
2	5.3407	20/23
2½	8.3449	20/23
3	12.0165	20/23

HOT ROLLED HALF OVALS

Low Carbon

Merchant Quality M1020-A36

Size In.	Weight Per Foot Lbs.	Lengths Feet
1 x ¼	.594	20/23
1¼x ⅝	.928	20/23
1½x ¾	1.337	20/23
1¾x ⅞	1.819	20/23
2 x ½	2.376	20/23
2½x ¾	3.713	20/23

REINFORCING BARS (DEFORMED)

ASTM A615

GRADES 40 & 60

Size In.	Weight Size No.	In Lengths Per Foot Lbs.	Up To Feet
¾	3	.376	40
½	4	.688	40
⅝	5	1.043	40
¾	6	1.502	40
⅞	7	2.044	40
1	8	2.670	40
1¼	9	3.400	40
1½	10	4.303	40
1¾	11	5.313	40

HOT ROLLED

SQUARE AND ROUND BARS

Weight and area
M1020—A-36—C-1045

Size Inches	Weight Lb. per Foot		Area Square Inches		Size Inches	Weight Lb. per Foot		Area Square Inches	
	■	●	□	○		■	●	□	○
0					3	30.63	24.05	9.000	7.069
$\frac{1}{8}$	0.013	0.010	0.0039	0.0031	$\frac{1}{8}$	31.91	25.07	9.379	7.366
$\frac{1}{4}$	0.053	0.042	0.0156	0.0123	$\frac{1}{4}$	33.23	26.10	9.766	7.670
$\frac{3}{8}$	0.120	0.094	0.0352	0.0276	$\frac{3}{8}$	34.57	27.15	10.160	7.980
$\frac{1}{2}$	0.213	0.167	0.0625	0.0491	$\frac{1}{2}$	35.94	28.23	10.563	8.296
$\frac{5}{8}$	0.332	0.261	0.0977	0.0767	$\frac{5}{8}$	37.34	29.32	10.973	8.618
$\frac{3}{4}$	0.479	0.376	0.1406	0.1105	$\frac{3}{4}$	38.76	30.44	11.391	8.946
$\frac{7}{8}$	0.651	0.512	0.1914	0.1503	$\frac{7}{8}$	40.21	31.58	11.816	9.281
$1\frac{1}{8}$	0.851	0.668	0.2500	0.1963	$1\frac{1}{8}$	41.68	32.74	12.250	9.621
$1\frac{1}{4}$	1.077	0.846	0.3164	0.2485	$1\frac{1}{4}$	43.19	33.92	12.691	9.968
$1\frac{3}{8}$	1.329	1.044	0.3906	0.3068	$1\frac{3}{8}$	44.71	35.12	13.141	10.321
$1\frac{1}{2}$	1.608	1.263	0.4727	0.3712	$1\frac{1}{2}$	46.27	36.34	13.598	10.680
$1\frac{3}{4}$	1.914	1.503	0.5625	0.4418	$1\frac{3}{4}$	47.85	37.58	14.063	11.045
$1\frac{7}{8}$	2.246	1.764	0.6602	0.5185	$1\frac{7}{8}$	49.46	38.85	14.535	11.416
$2\frac{1}{8}$	2.605	2.046	0.7656	0.6013	$2\frac{1}{8}$	51.09	40.13	15.016	11.793
$2\frac{1}{4}$	2.991	2.349	0.8789	0.6903	$2\frac{1}{4}$	52.76	41.43	15.504	12.177
1	3.403	2.673	1.0000	0.7854	4	54.44	42.76	16.000	12.566
$\frac{1}{8}$	3.841	3.017	1.1289	0.8866	$\frac{1}{8}$	56.16	44.11	16.504	12.962
$\frac{1}{4}$	4.307	3.382	1.2656	0.9940	$\frac{1}{4}$	57.90	45.47	17.016	13.364
$\frac{3}{8}$	4.798	3.769	1.4102	1.1075	$\frac{3}{8}$	59.67	46.86	17.535	13.772
$\frac{1}{2}$	5.317	4.176	1.5625	1.2272	$\frac{1}{2}$	61.46	48.27	18.063	14.186
$\frac{5}{8}$	5.862	4.604	1.7227	1.3530	$\frac{5}{8}$	63.28	49.70	18.598	14.607
$\frac{3}{4}$	6.433	5.053	1.8906	1.4849	$\frac{3}{4}$	65.13	51.15	19.141	15.033
$\frac{7}{8}$	7.032	5.523	2.0664	1.6230	$\frac{7}{8}$	67.01	52.63	19.691	15.466
$1\frac{1}{8}$	7.656	6.013	2.2500	1.7671	$1\frac{1}{8}$	68.91	54.12	20.250	15.904
$1\frac{1}{4}$	8.308	6.525	2.4414	1.9175	$1\frac{1}{4}$	70.83	55.63	20.816	16.349
$1\frac{3}{8}$	8.985	7.057	2.6406	2.0739	$1\frac{3}{8}$	72.79	47.17	21.391	16.800
$1\frac{1}{2}$	9.690	7.610	2.8477	2.2365	$1\frac{1}{2}$	74.77	58.72	21.973	17.257
$1\frac{3}{4}$	10.421	8.185	3.0625	2.4053	$1\frac{3}{4}$	76.78	60.30	22.563	17.721
$2\frac{1}{8}$	11.179	8.780	3.2852	2.5802	$2\frac{1}{8}$	78.81	61.90	23.160	18.190
$2\frac{1}{4}$	11.963	9.396	3.5156	2.7612	$2\frac{1}{4}$	80.87	63.51	23.766	18.665
$2\frac{3}{8}$	12.774	10.032	3.7539	2.9483	$2\frac{3}{8}$	82.96	65.15	24.379	19.147
2	13.611	10.690	4.0000	3.1416	5	85.07	66.81	25.00	19.635
$\frac{1}{8}$	14.475	11.369	4.2539	3.3410	$\frac{1}{8}$	87.21	68.49	25.629	20.129
$\frac{1}{4}$	15.366	12.068	4.5156	3.5466	$\frac{1}{4}$	89.38	70.20	26.266	20.629
$\frac{3}{8}$	16.283	12.788	4.7852	3.7583	$\frac{3}{8}$	91.57	71.92	26.910	21.135
$\frac{1}{2}$	17.227	13.530	5.0625	3.9761	$\frac{1}{2}$	93.79	73.66	27.563	21.648
$\frac{5}{8}$	18.197	14.292	5.3477	4.2000	$\frac{5}{8}$	96.04	75.43	28.223	22.166
$\frac{3}{4}$	19.194	15.075	5.6406	4.4301	$\frac{3}{4}$	98.31	77.21	28.891	22.691
$\frac{7}{8}$	20.217	15.879	5.9414	4.6664	$\frac{7}{8}$	100.61	79.02	29.566	23.221
$1\frac{1}{8}$	21.267	16.703	6.2500	4.9087	$1\frac{1}{8}$	102.93	80.84	30.250	23.758
$1\frac{1}{4}$	22.344	17.549	6.5664	5.1572	$1\frac{1}{4}$	105.29	82.69	30.941	24.301
$1\frac{3}{8}$	23.447	18.415	6.8906	5.4119	$1\frac{3}{8}$	107.67	84.56	31.641	24.850
$1\frac{1}{2}$	24.577	19.303	7.2227	5.6727	$1\frac{1}{2}$	110.07	86.45	32.348	25.406
$1\frac{3}{4}$	25.734	20.211	7.5625	5.9396	$1\frac{3}{4}$	112.50	88.36	33.063	25.967
$2\frac{1}{8}$	26.917	21.140	7.9102	6.2126	$2\frac{1}{8}$	114.96	90.29	33.785	26.535
$2\frac{1}{4}$	28.126	22.090	8.2656	6.4918	$2\frac{1}{4}$	117.45	92.24	34.516	27.109
$2\frac{3}{8}$	29.362	23.061	8.6289	6.7771	$2\frac{3}{8}$	119.96	94.22	35.254	27.688
3	30.625	24.053	9.0000	7.0686	6	122.50	96.21	36.000	28.274

HOT ROLLED

SQUARE AND ROUND BARS

Weight and area
M1020—A-36—C-1045

Size Inches	Weight		Area		Size Inches	Weight		Area	
	Lb. per Foot		Square Inches			Lb. per Foot		Square Inches	
	■	●	□	○		■	●	□	○
6	122.50	96.21	36.000	28.274	9	275.63	216.48	81.000	63.617
5/16	125.07	98.23	36.754	28.866	1/8	279.47	219.49	82.129	64.504
1/4	127.66	100.26	37.516	29.465	3/16	283.33	222.53	83.266	65.397
5/16	130.28	102.32	38.285	30.069	1/4	287.23	225/59	84.410	66.296
3/8	132.92	104.40	39.063	30.680	5/16	291.15	228.67	85.563	67.201
1/2	135.59	106.49	39.848	31.296	3/8	295.10	231.77	86.723	68.112
5/8	138.29	108.61	40.641	31.919	1/2	299.07	234.89	87.891	69.029
3/4	141.02	110.75	41.441	32.548	5/8	303.07	238.03	89.066	69.953
7/8	143.77	112.91	42.250	33.183	1	307.10	241.20	90.250	70.882
1	146.55	115.10	43.066	33.824	1/8	311.15	244.38	91.441	71.818
1 1/16	149.35	117.30	43.891	34.472	3/16	315.24	247.59	92.641	72.760
1/8	152.18	119.52	44.723	35.125	1/4	319.34	250.81	93.848	73.708
3/8	155.04	121.77	45.563	35.785	5/16	323.48	254.06	95.063	74.662
1/2	157.92	124.03	46.410	36.450	3/8	327.64	257.33	96.285	75.622
5/8	160.83	126.32	47.266	37.122	1/2	331.82	260.61	97.516	76.589
3/4	163.77	128.63	48.129	37.800	5/8	336.04	263.92	98.754	77.561
7	166.74	130.95	49.000	38.485	10	340.28	267.25	100.000	78.540
1/8	169.73	133.30	49.879	39.175	1/8	344.54	270.60	101.254	79.525
1/4	172.74	135.67	50.766	39.871	3/16	348.84	273.98	102.516	80.516
5/16	175.79	138.06	51.660	40.574	1/4	353.16	277.37	103.785	81.513
3/8	178.86	140.48	52.563	41.282	5/16	357.50	280.78	105.063	82.516
1/2	181.96	142.91	53.473	41.997	3/8	361.88	284.22	106.348	83.525
5/8	185.08	145.36	54.391	42.718	1/2	366.28	287.67	107.641	84.541
3/4	188.23	147.84	55.316	43.445	5/8	370.70	291.15	108.941	85.562
7/8	191.41	150.33	56.250	44.179	1	375.16	294.65	110.250	86.590
1	194.61	152.85	57.191	44.918	1/8	379.64	298.17	111.566	87.624
1 1/16	197.84	155.38	58.141	45.664	3/16	384.14	301.70	112.891	8.664
1/8	201.10	157.94	59.098	46.415	1/4	388.67	305.26	114.223	89.710
3/8	204.38	160.52	60.063	47.173	5/16	393.23	308.84	115.563	90.763
1/2	207.69	163.12	61.035	47.931	3/8	397.82	312.45	116.910	91.821
5/8	211.03	165.74	62.016	48.707	1/2	402.43	316.07	118.266	92.886
3/4	214.39	168.38	63.004	49.483	5/8	407.07	319.71	119.629	93.956
8	217.78	171.04	64.000	50.265	11	411.74	323.38	121.000	95.033
1/8	221.19	173.73	65.004	51.054	1/8	416.43	327.06	122.379	96.116
1/4	224.64	176.43	66.016	51.849	3/16	421.15	330.77	123.766	97.205
5/16	228.11	179.15	67.035	52.649	1/4	425.89	334.49	125.160	98.301
3/8	231.60	181.90	68.063	53.456	5/16	430.66	338.24	126.563	99.402
1/2	235.12	184.67	69.098	54.269	3/8	435.46	342.01	127.973	100.510
5/8	238.67	187.45	70.141	55.088	1/2	440.29	345.80	129.391	101.623
3/4	242.25	190.26	71.191	55.914	5/8	445.14	349.61	130.816	102.743
7/8	245.85	193.09	72.250	56.745	1	450.02	353.44	132.250	103.869
1	249.48	195.94	73.316	57.583	1/8	454.92	357.30	133.691	105.001
1 1/16	253.13	198.81	74.391	58.426	3/16	459.85	361.17	135.141	106.139
1/8	256.82	201.70	75.473	59.276	1/4	464.81	365.06	136.598	107.284
3/8	260.53	204.62	76.563	60.132	5/16	469.80	368.98	138.063	108.434
1/2	264.26	207.55	77.660	60.994	3/8	474.81	372.91	139.535	109.591
5/8	268.02	210.50	78.766	61.862	1/2	479.84	376.87	141.016	110.753
3/4	271.81	213.48	79.879	62.737	5/8	484.91	380.85	142.504	111.922
9	275.63	216.48	81.000	63.617	12	490.00	384.85	144.000	113.097

CHATHAM STEEL CORPORATION HOT ROLLED FLATS AND UNIVERSAL MILL PLATES ASTM A36

Size In.	Weight Per Foot Lbs.	Lengths
$\frac{1}{4}$ X $\frac{3}{8}$	.3188	20
X $\frac{1}{2}$	.4250	20
X $\frac{5}{8}$	.5313	20
X $\frac{3}{4}$	.6375	20
X $\frac{7}{8}$	.7438	20
X 1	.8500	20
X $1\frac{1}{8}$	.9563	20
X $1\frac{1}{4}$	1.0625	20
X $1\frac{3}{8}$	1.1690	20
X $1\frac{1}{2}$	1.2750	20
X $1\frac{3}{4}$	1.4880	20
X 2	1.7000	20
X $2\frac{1}{4}$	1.9130	20
X $2\frac{1}{2}$	2.1250	20
X $2\frac{3}{4}$	2.3380	20
X 3	2.550	20
X $3\frac{1}{4}$	2.763	20
X $3\frac{1}{2}$	2.975	20
X $3\frac{3}{4}$	3.188	20
X 4	3.400	20
X $4\frac{1}{2}$	3.825	20
X 5	4.250	20
X $5\frac{1}{2}$	4.675	20
X 6	5.100	20
X 7	5.950	20
X 8	6.800	20
U.M. Plate X 9	7.65	20
X 10	8.50	20
X 11	9.35	20
X 12	10.20	20
$\frac{5}{16}$ X $\frac{1}{2}$	.5313	20
X $\frac{5}{8}$	.6641	20
X $\frac{3}{4}$	.7969	20
X $\frac{7}{8}$	.9297	20
X 1	1.0625	20
X $1\frac{1}{8}$	1.1953	20
X $1\frac{1}{4}$	1.3281	20
X $1\frac{1}{2}$	1.594	20
X $1\frac{3}{4}$	1.859	20
X 2	2.125	20
X $2\frac{1}{4}$	2.391	20
X $2\frac{1}{2}$	2.656	20
X $2\frac{3}{4}$	2.920	20
X 3	3.188	20
X $3\frac{1}{2}$	3.719	20
X 4	4.250	20
X $4\frac{1}{2}$	4.780	20
X 5	5.313	20
X $5\frac{1}{2}$	5.844	20
X 6	6.375	20
X 8	8.500	20
$\frac{3}{8}$ X $\frac{1}{2}$	.6372	20

For $\frac{1}{8}$ " and $\frac{3}{16}$ " thicknesses, see "Hot Rolled Strip."
Flat bars can also be furnished GALVANIZED.

(Continued on Next Page)

HOT ROLLED FLATS AND UNIVERSAL MILL PLATES (Con't)

Size In.	Weight Per Foot Lbs.	Lengths
X 5/8	.7969	20
X 3/4	.9563	20
X 7/8	1.1156	20
X 1	1.2750	20
X 1 1/8	1.4344	20
X 1 1/4	1.5938	20
X 1 3/8	1.753	20
X 1 1/2	1.913	20
X 1 3/4	2.231	20
X 2	2.550	20
X 2 1/4	2.869	20
X 2 1/2	3.188	20
X 2 3/4	3.506	20
X 3	3.825	20
X 3 1/4	4.144	20
X 3 1/2	4.463	20
X 4	5.100	20
X 4 1/2	5.738	20
X 5	6.375	20
X 5 1/2	7.013	20
X 6	7.650	20
X 7	8.930	20
X 8	10.200	20
U.M. Plate X 9	11.48	20
X 10	12.74	20
X 11	14.03	20
X 12	15.3	20
1/2 X 5/8	1.0625	20
X 3/4	1.2750	20
X 7/8	1.4875	20
X 1	1.7000	20
X 1 1/8	1.9125	20
X 1 1/4	2.1250	20
X 1 3/8	2.338	20
X 1 1/2	2.550	20
X 1 3/4	2.975	20
X 2	3.400	20
X 2 1/4	3.825	20
X 2 1/2	4.250	20
X 2 3/4	4.675	20
X 3	5.100	20
X 3 1/4	5.525	20
X 3 1/2	5.950	20
X 4	6.800	20
X 4 1/2	7.650	20
X 5	8.500	20
X 5 1/2	9.350	20
X 6	10.200	20
X 7	11.900	20
X 8	13.600	20
U.M. Plate X 9	15.30	20
X 10	17.00	20
X 11	18.70	20
X 12	20.40	20
5/8 X 3/4	1.5938	20
X 7/8	1.8600	20
X 1	2.1250	20
X 1 1/8	2.3900	20
X 1 1/4	2.6553	20
X 1 1/2	3.188	20
X 1 3/4	3.719	20
X 2	4.250	20
X 2 1/4	4.781	20

HOT ROLLED FLATS AND UNIVERSAL MILL PLATES (Con't)

Size In.	Weight Per Foot Lbs.	Lengths	
$\frac{5}{8}$ X 2 $\frac{1}{2}$	5.313	20	
	X 2 $\frac{3}{4}$	5.844	20
	X 3	6.375	20
	X 3 $\frac{1}{4}$	6.906	20
	X 3 $\frac{1}{2}$	7.438	20
	X 4	8.500	20
	X 4 $\frac{1}{2}$	9.563	20
	X 5	10.625	20
	X 5 $\frac{1}{2}$	11.688	20
	X 6	12.750	20
	X 7	14.870	20
	X 8	17.000	20
U.M. Plate X 9	19.150	20	
	X 10	21.260	20
	X 12	25.500	20
	$\frac{3}{4}$ X 1	2.5500	20
X 1 $\frac{1}{4}$		3.1875	20
X 1 $\frac{1}{2}$		3.8250	20
X 1 $\frac{3}{4}$		4.463	20
X 2		5.100	20
X 2 $\frac{1}{4}$		5.7380	20
X 2 $\frac{1}{2}$		6.3750	20
X 2 $\frac{3}{4}$		7.0130	20
X 3		7.650	20
X 3 $\frac{1}{4}$		8.288	20
X 3 $\frac{1}{2}$		8.925	20
X 4		10.2000	20
X 4 $\frac{1}{2}$		11.4750	20
X 5		12.750	20
X 5 $\frac{1}{2}$		14.025	20
X 6		15.300	20
X 7		17.850	20
X 8		20.400	20
U.M. Plate X 9		22.97	20
		X 10	25.50	20
	X 11	28.05	20
	X 12	30.60	20
$\frac{7}{8}$ X 1	2.9800	20	
	X 1 $\frac{1}{4}$	3.7188	20
	X 1 $\frac{1}{2}$	4.463	20
	X 1 $\frac{3}{4}$	5.210	20
	X 2	5.95	20
	X 2 $\frac{1}{4}$	6.690	20
	X 2 $\frac{1}{2}$	7.438	20
	X 3	8.925	20
	X 3 $\frac{1}{2}$	10.413	20
	X 4	11.900	20
	X 4 $\frac{1}{2}$	13.388	20
	X 5	14.875	20
	X 6	17.850	20
	1 X 1 $\frac{1}{4}$	4.2500	20
X 1 $\frac{1}{2}$		5.100	20
X 1 $\frac{3}{4}$		5.950	20
X 2		6.800	20
X 2 $\frac{1}{4}$		7.650	20
X 2 $\frac{1}{2}$		8.500	20
X 2 $\frac{3}{4}$		9.350	20
X 3		10.200	20
X 3 $\frac{1}{4}$		11.050	20
X 3 $\frac{1}{2}$		11.900	20
X 4		13.600	20
X 4 $\frac{1}{2}$		15.300	20
X 5		17.000	20

HOT ROLLED FLATS AND UNIVERSAL MILL PLATES (Con't)

Size In.	Weight Per Foot Lbs.	Lengths
X 5 ¹ / ₂	18.700	20
X 6	20.400	20
X 7	23.800	20
X 8	27.200	20
U.M. Plate X 10	34.00	20
X 12	40.80	20
1 ¹ / ₄ X 1 ³ / ₄	7.438	20
X 2	8.500	20
X 2 ¹ / ₄	9.563	20
X 2 ¹ / ₂	10.625	20
X 2 ³ / ₄	11.690	20
X 3	12.750	20
X 3 ¹ / ₄	13.812	20
X 3 ¹ / ₂	14.875	20
X 4	17.000	20
X 4 ¹ / ₂	19.125	20
X 5	21.250	20
X 6	25.500	20
X 7	29.750	20
X 8	34.000	20
1 ¹ / ₂ X 1 ³ / ₄	8.920	20
X 2	10.200	20
X 2 ¹ / ₄	11.476	20
X 2 ¹ / ₂	12.750	20
X 3	15.300	20
X 3 ¹ / ₂	17.850	20
X 4	20.400	20
X 4 ¹ / ₂	22.950	20
X 5	25.500	20
X 6	30.600	20
X 7	35.700	20
X 8	40.800	20
1 ³ / ₄ X 2	11.900	20
X 2 ¹ / ₂	14.875	20
X 3	17.850	20
X 3 ¹ / ₂	20.825	20
X 4	23.800	20
X 4 ¹ / ₂	26.775	20
X 5	29.750	20
X 6	35.700	20
2 X 2 ¹ / ₂	17.000	20
X 3	20.400	20
X 3 ¹ / ₂	23.800	20
X 4	27.200	20
X 4 ¹ / ₂	30.600	20
X 5	34.000	20
X 6	40.800	20
X 7	47.600	20
X 8	54.200	20
2 ¹ / ₄ X 2 ¹ / ₂	19.125	20
X 3	22.950	20
X 3 ¹ / ₂	26.775	20
X 4	30.600	20
X 4 ¹ / ₂	34.425	20
2 ¹ / ₂ X 3	25.500	20
X 3 ¹ / ₂	29.750	20
X 4	34.000	20
X 4 ¹ / ₂	38.250	20
X 5	42.500	20
X 6	51.000	20
3 X 3 ¹ / ₂	35.700	20
X 4	40.800	20
X 5	51.000	20
X 6	61.200	20

For ¹/₈" and ³/₁₆" thicknesses, see "Hot Rolled Strip."

HOT ROLLED STRIP

Merchant Quality

Size In.	Weight Per Foot Lbs.	Lengths
$\frac{3}{8}$ X $\frac{1}{8}$	.1594	20
X $\frac{3}{16}$	.2391	20
$\frac{1}{2}$ X 16 GA.	.1105	20
x $\frac{1}{8}$	.2125	20
x $\frac{3}{16}$	.3188	20
$\frac{5}{8}$ x $\frac{1}{8}$	.2656	20
X $\frac{3}{16}$	.3984	20
$\frac{3}{4}$ X 16 GA.	.1658	20
x 14 GA.	.2117	20
x $\frac{1}{8}$	.3188	20
x $\frac{3}{16}$	.4781	20
$\frac{7}{8}$ x $\frac{1}{8}$	.3719	20
x $\frac{3}{16}$	.5578	20
1 x 16 GA.	.2210	20
x 14 GA.	.2822	20
x 14 GA.	.2822	20
x $\frac{1}{8}$	.4250	20
x $\frac{3}{16}$	.6375	20
1 $\frac{1}{2}$ x $\frac{1}{8}$	.4781	20
x $\frac{3}{16}$	.7172	20
1 $\frac{1}{2}$ x $\frac{1}{8}$	.5313	20
x $\frac{3}{16}$	.7969	20
1 $\frac{3}{4}$ x $\frac{1}{8}$	.5840	20
x $\frac{3}{16}$	.8770	20
1 $\frac{1}{2}$ x $\frac{1}{8}$	.638	20
x $\frac{3}{16}$	.956	20
1 $\frac{3}{4}$ x $\frac{1}{8}$	.744	20
x $\frac{3}{16}$	1.116	20
2 x $\frac{1}{8}$	.850	20
x $\frac{3}{16}$	1.275	20
2 $\frac{1}{4}$ x $\frac{1}{8}$	.956	20
x $\frac{3}{16}$	1.434	20
2 $\frac{1}{2}$ x $\frac{1}{8}$	1.063	20
x $\frac{3}{16}$	1.594	20
2 $\frac{3}{4}$ x $\frac{1}{8}$	1.169	20
x $\frac{3}{16}$	1.753	20
3 x $\frac{1}{8}$	1.275	20
x $\frac{3}{16}$	1.913	20
3 $\frac{1}{4}$ x $\frac{1}{8}$	1.381	20
x $\frac{3}{16}$	2.072	20
3 $\frac{1}{2}$ x $\frac{1}{8}$	1.488	20
x $\frac{3}{16}$	2.231	20
4 x $\frac{1}{8}$	1.700	20
x $\frac{3}{16}$	2.550	20
4 $\frac{1}{2}$ x $\frac{1}{8}$	1.913	20
x $\frac{3}{16}$	2.869	20
5 x $\frac{1}{8}$	2.125	20
x $\frac{3}{16}$	3.188	20
5 $\frac{1}{2}$ x $\frac{1}{8}$	2.338	20
x $\frac{3}{16}$	3.506	20
6 x $\frac{1}{8}$	2.550	20
x $\frac{3}{16}$	3.825	20
7 x $\frac{1}{8}$	2.975	20
x $\frac{3}{16}$	4.463	20
8 x $\frac{1}{8}$	3.400	20
x $\frac{3}{16}$	5.100	20
10x $\frac{1}{8}$	4.250	20
x $\frac{3}{16}$	6.375	20
12x $\frac{1}{8}$	5.100	20
x $\frac{3}{16}$	7.650	20

COLD FINISHED BARS

COLD FINISHED ROUNDS

A.I.S.I. C1018

Size In.	Weight Per Foot Lbs.	Lengths Up To	Size In.	Weight Per Foot Lbs.	Lengths Up To
1/8	.0417	20	2 5/16	14.2802	20
3/16	.0939	20	2 3/8	15.0625	20
1/4	.1669	20	2 7/16	15.8657	20
5/16	.2608	20	2 1/2	16.6898	20
3/8	.3755	20	2 5/8	17.5347	20
7/16	.5111	20	2 3/4	18.4004	20
1/2	.6676	20	2 7/8	19.2871	20
9/16	.8449	20	2 3/4	20.1946	20
5/8	1.0431	20	2 13/16	21.13	20
1 1/16	1.2622	20	2 3/4	22.072	20
3/4	1.5021	20	2 15/16	23.042	24
13/16	1.7629	20	3	24.033	24
7/8	2.0445	20	3 1/16	25.045	24
1 1/8	2.347	20	3 1/8	26.08	24
1	2.6704	20	3 3/8	27.131	24
1 1/8	3.0146	20	3 1/4	28.21	24
1 1/4	3.3797	20	3 3/8	30.42	24
1 3/8	3.7656	20	3 1/2	31.554	24
1 1/2	4.1724	20	3 1/2	32.712	24
1 5/8	4.6001	20	3 7/8	36.31	24
1 3/4	5.0486	20	3 3/4	37.552	24
1 7/8	5.518	20	3 7/8	41.401	24
1 1/2	6.0083	20	4	42.726	24
1 5/8	6.5194	20	4 3/8	46.83	24
1 3/4	7.0514	20	4 1/4	48.23	24
1 11/16	7.6043	20	4 3/8	51.11	24
1 3/4	8.178	20	4 1/2	52.583	24
1 13/16	8.7725	20	4 1/2	54.08	24
1 3/4	9.388	20	4 5/8	65.10	24
1 15/16	10.0243	20	5	66.76	24
2	10.6814	20	5 1/8	78.95	24
2 1/8	11.3595	20	5 1/8	94.14	24
2 1/4	12.0583	20	6	96.14	24
2 3/8	12.7781	20	6 5/16 TGP 1042	128.63	24
2 1/2	13.5187	20	7	130.95	24

COLD FINISHED ROUNDS

SELECTION GUIDE

- 1144** A medium-carbon, high manganese, free-machining steel. The higher manganese content contributes to a better finished surface and hardening characteristics. 30%-40% stronger than C-1018.
- 1144 STRESSPROOF** — Has been annealed to relieve stress and provide an easily machinable bar with better tool life without reducing strength.
- 12L14** The addition of lead to this low-carbon steel provides superior machinability, ductility, impact values, and finished-surface qualities without effecting its mechanical properties.

COLD FINISHED ROUNDS**A.I.S.I. 1144 STRESSPROOF**

Size In.	Weight Per Foot Lbs.	Lengths Feet
½	.6676	12
¾	1.0431	12
¾	1.5021	12
1	2.6704	12
1¼	4.1724	12
1⅞	5.518	12
1½	6.0083	12
1⅝	7.0514	12
1⅞	10.0243	12
2	10.6814	12
2⅞	12.0583	12
2⅞	12.7781	12
2⅞	15.8657	12
3¼	28.21	12

COLD FINISHED ROUNDS**A.I.S.I. 1144**

Size In.	Weight Per Foot Lbs.	Lengths Feet
¾	.3755	20
¾	.5111	20
½	.6676	20
¾	.8449	20
¾	1.0431	20
1¼	1.2622	20
¾	1.5021	20
1¾	1.7629	20
¾	2.0445	20
1	2.6704	20
1½	3.3797	20
1⅝	5.0486	20
1⅞	5.51820	20
1½	6.0083	20
1¾	8.178	20
2	10.6814	20
2⅞	12.7781	20
2⅞	15.0625	20
2⅞	15.879	20
2½	16.6898	20
2⅞	23.061	20
3	24.033	20
3½	32.74	20
3¾	37.55	20
4	42.76	20
4½	54.12	20

COLD FINISHED ROUNDS**A.I.S.I. 12L14**

Size In.	Weight Per Foot Lbs.	Lengths Feet
¾	1.5021	12
¾	2.0445	12
1	2.6704	12
1½	3.3797	12
1¼	4.1724	12
1⅞	5.518	12
1½	6.0083	12
1¾	8.178	12
2	10.6814	12
2⅞	11.3595	12
2½	16.6898	12

COLD FINISHED BARS

COLD FINISHED SQUARES

C1018

Size In.	Weight Per Foot Lbs.	Lengths Feet
$\frac{1}{8}$	.0531	12
$\frac{3}{16}$	.1195	12
$\frac{1}{4}$	.2125	12
$\frac{5}{16}$	.332	12
$\frac{3}{8}$	.4781	12
$\frac{7}{16}$	.6508	12
$\frac{1}{2}$	.85	12
$\frac{9}{16}$	1.0758	12
$\frac{5}{8}$	1.3281	12
$1\frac{1}{16}$	1.607	12
$\frac{3}{4}$	1.9125	12
$1\frac{1}{8}$	2.2445	12
$\frac{7}{8}$	2.6031	12
$1\frac{1}{8}$	2.9883	12
1	3.40	12
$1\frac{1}{16}$	3.838	12
$1\frac{1}{8}$	4.303	12
$1\frac{1}{4}$	5.313	12
$1\frac{5}{16}$	5.857	12
$1\frac{3}{8}$	6.428	12
$1\frac{1}{2}$	7.65	12
$1\frac{5}{8}$	8.978	12
$1\frac{3}{4}$	10.413	12
2	13.6	12
$2\frac{1}{4}$	17.22	12
$2\frac{1}{2}$	21.25	12
3	30.60	12
$3\frac{1}{2}$	41.65	12
4	54.40	12
$4\frac{1}{2}$	68.85	12

COLD FINISHED HEXAGONS

Size In.	Weight Per Foot Lbs.	Lengths Feet
$\frac{1}{4}$	.84	12
$\frac{5}{16}$	.2875	12
$\frac{3}{8}$	.4141	12
$\frac{7}{16}$	.5636	12
$\frac{1}{2}$	.7361	12
$\frac{9}{16}$	.9316	12
$\frac{5}{8}$	1.1502	12
$1\frac{1}{16}$	1.3917	12
$\frac{3}{4}$	1.6563	12
$1\frac{1}{8}$	1.9438	12
$\frac{7}{8}$	2.2544	12
$1\frac{1}{8}$	2.5879	12
1	2.9445	12
$1\frac{1}{16}$	3.3324	12
$1\frac{1}{8}$	3.727	12
$1\frac{3}{16}$	4.152	12
$1\frac{1}{4}$	4.601	12
$1\frac{5}{16}$	5.072	12
$1\frac{1}{2}$	6.085	12
$1\frac{1}{2}$	6.625	12
$1\frac{5}{8}$	7.775	12
$1\frac{3}{4}$	9.018	12
2	11.778	12
$2\frac{1}{2}$	18.403	12
3	26.5	12

COLD FINISHED BARS

COLD FINISHED FLATS
(C1018)

Size In.	Weight Per Foot Lbs.	Size In.	Weight Per Foot Lbs.
$\frac{1}{8}$ x $\frac{3}{16}$	.080	$\frac{1}{4}$ x $\frac{1}{2}$	.425
$\frac{1}{4}$	.106	$\frac{5}{16}$	.531
$\frac{5}{16}$	.133	$\frac{3}{4}$	.638
$\frac{3}{8}$	.159	$\frac{7}{8}$	.744
$\frac{7}{16}$	.186	1	.85
$\frac{1}{2}$	.213	$1\frac{1}{8}$	.95
$\frac{5}{8}$	.266	$1\frac{1}{4}$	1.06
$\frac{3}{4}$	.319	$1\frac{3}{8}$	1.16
$\frac{7}{8}$	.372	$1\frac{1}{2}$	1.27
1	.42	$1\frac{5}{8}$	1.38
$1\frac{1}{8}$	.47	$1\frac{3}{4}$	1.48
$1\frac{1}{4}$	.53	2	1.70
$1\frac{3}{8}$	.58	$2\frac{1}{4}$	1.91
$1\frac{1}{2}$	.63	$2\frac{1}{2}$	2.12
$1\frac{5}{8}$	.69	$2\frac{3}{4}$	2.33
$1\frac{3}{4}$	.74	3	2.55
2	.85	$3\frac{1}{4}$	2.76
$2\frac{1}{4}$	.95	$3\frac{1}{2}$	2.97
$2\frac{1}{2}$	1.06	4	3.40
$2\frac{3}{4}$	1.16	$4\frac{1}{2}$	3.82
3	1.27	5	4.25
$3\frac{1}{2}$	1.48	6	5.10
4	1.70	8	6.80
$4\frac{1}{2}$	1.91	9	7.77
5	2.12	10	8.50
6	2.55	12	10.20
$\frac{3}{16}$ x $\frac{1}{4}$	.15	$\frac{5}{16}$ x $\frac{3}{8}$	.39
$\frac{5}{16}$	.19	$\frac{7}{16}$	.46
$\frac{3}{8}$	.23	$\frac{1}{2}$	.53
$\frac{1}{2}$	.31	$\frac{5}{8}$	.66
$\frac{5}{8}$	.39	$\frac{3}{4}$	.79
$\frac{3}{4}$	.47	$\frac{7}{8}$	.93
$\frac{7}{8}$	.55	1	1.06
1	.63	$1\frac{1}{8}$	1.19
$1\frac{1}{8}$	.71	$1\frac{1}{4}$	1.32
$1\frac{1}{4}$	.79	$1\frac{1}{2}$	1.59
$1\frac{3}{8}$	.87	$1\frac{3}{4}$	1.85
$1\frac{1}{2}$	.95	2	2.12
$1\frac{5}{8}$	1.00	$2\frac{1}{4}$	2.39
$1\frac{3}{4}$	1.11	$2\frac{1}{2}$	2.65
2	1.27	3	3.18
$2\frac{1}{4}$	1.43	$3\frac{1}{2}$	3.71
$2\frac{1}{2}$	1.59	4	4.25
$2\frac{3}{4}$	1.75	5	5.31
3	1.91	6	6.37
$3\frac{1}{2}$	2.23	$\frac{3}{8}$ x $\frac{7}{16}$	.558
4	2.55	$\frac{1}{2}$	.638
$4\frac{1}{2}$	2.86	$\frac{5}{16}$	.717
5	3.18	$\frac{3}{8}$	.797
6	3.82	$\frac{1}{2}$	.956
8	5.10	$\frac{7}{8}$	1.115
12	7.60	1	1.275
$\frac{1}{4}$ x $\frac{5}{16}$.266	$1\frac{1}{8}$	1.434
$\frac{3}{8}$.319	$1\frac{1}{4}$	1.594
$\frac{1}{2}$.372	$1\frac{3}{8}$	1.753

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COLD FINISHED BARS

COLD FINISHED FLATS (Continued)

Size In.	Weight Per Foot Lbs.	Size In.	Weight Per Foot Lbs.
$\frac{3}{8}$ x $1\frac{1}{2}$	1.91	$\frac{3}{8}$ x $1\frac{1}{2}$	2.39
$1\frac{1}{8}$	2.07	$1\frac{1}{4}$	2.65
$1\frac{3}{8}$	2.23	$1\frac{1}{2}$	3.18
2	2.55	$1\frac{3}{4}$	3.71
$2\frac{1}{8}$	2.70	2	4.25
$2\frac{1}{4}$	2.86	$2\frac{1}{4}$	4.78
$2\frac{1}{2}$	3.18	$2\frac{1}{2}$	5.31
$2\frac{3}{4}$	3.50	$2\frac{3}{4}$	5.84
3	3.82	3	6.37
$3\frac{1}{4}$	4.14	$3\frac{1}{2}$	7.43
$3\frac{1}{2}$	4.46	4	8.50
4	5.10	$4\frac{1}{2}$	9.56
$4\frac{1}{2}$	5.73	5	10.62
5	6.37	6	12.75
6	7.65	8	17.00
8	10.20	10	21.25
10	12.75	12	25.50
12	15.30	$\frac{3}{4}$ x $\frac{7}{8}$	2.23
$\frac{7}{16}$ x $\frac{1}{2}$	.744	1	2.55
$\frac{3}{4}$	1.116	$1\frac{1}{8}$	2.86
$\frac{7}{8}$	1.302	$1\frac{1}{4}$	3.18
1	1.48	$1\frac{1}{2}$	3.50
$1\frac{1}{4}$	1.85	$1\frac{3}{4}$	3.82
$1\frac{1}{2}$	2.23	$1\frac{3}{4}$	4.46
$2\frac{1}{2}$	3.71	2	5.10
$\frac{1}{2}$ x $\frac{5}{16}$	.956	$2\frac{1}{4}$	5.73
$\frac{5}{8}$	1.063	$2\frac{1}{2}$	6.37
$\frac{3}{4}$	1.275	$2\frac{1}{2}$	7.01
$\frac{7}{8}$	1.486	3	7.65
1	1.700	$3\frac{1}{2}$	8.92
$1\frac{1}{8}$	1.91	4	10.20
$1\frac{1}{4}$	2.12	$4\frac{1}{2}$	11.47
$1\frac{3}{8}$	2.33	5	12.75
$1\frac{1}{2}$	2.55	$5\frac{1}{2}$	14.02
$1\frac{3}{4}$	2.76	6	15.30
$1\frac{1}{2}$	2.97	8	20.40
2	3.40	10	25.50
$2\frac{1}{4}$	3.82	12	30.60
$2\frac{1}{2}$	4.25	$\frac{7}{8}$ x 1	2.97
$2\frac{3}{4}$	4.67	$1\frac{1}{4}$	3.71
3	5.10	$1\frac{1}{2}$	4.46
$3\frac{1}{2}$	5.95	$1\frac{3}{4}$	5.20
4	6.80	2	5.95
$4\frac{1}{2}$	7.65	$2\frac{1}{2}$	7.43
5	8.50	3	8.92
$5\frac{1}{2}$	9.35	$3\frac{1}{2}$	10.41
6	10.20	4	11.90
8	13.60	6	17.85
10	17.00	1 x $1\frac{1}{8}$	3.82
12	20.40	$1\frac{1}{4}$	4.25
$\frac{5}{16}$ x $\frac{3}{4}$	1.434	$1\frac{1}{2}$	4.67
1	1.913	$1\frac{3}{4}$	5.10
$\frac{5}{8}$ x $\frac{3}{4}$	1.594	2	5.95
$\frac{7}{8}$	1.859	2	6.80
1	2.12	$2\frac{1}{4}$	7.65
		$2\frac{1}{2}$	8.50

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COLD FINISHED BARS

COLD FINISHED FLATS (Continued)

Size In.	Weight Per Foot Lbs.	Size In.	Weight Per Foot Lbs.
1 x 2 $\frac{1}{4}$	9.35	1 $\frac{1}{2}$ x 4	20.40
3	10.20	4 $\frac{1}{2}$	22.95
3 $\frac{1}{2}$	11.90	5	25.50
4	13.60	6	30.60
4 $\frac{1}{2}$	15.30	8	40.80
5	17.00	10	51.00
5 $\frac{1}{2}$	18.70	12	61.20
6	20.40		
8	27.20	1 $\frac{1}{2}$ x 2	11.90
10	34.00	2 $\frac{1}{4}$	13.38
12	40.80	2 $\frac{1}{2}$	14.87
		3	17.85
1 $\frac{1}{2}$ x 1 $\frac{1}{4}$	4.78	4	23.80
1 $\frac{1}{2}$	5.73	5	29.75
1 $\frac{3}{4}$	6.69	6	35.70
2	7.65		
2 $\frac{1}{2}$	9.56	2 x 2 $\frac{1}{4}$	15.30
3	11.47	2 $\frac{1}{2}$	17.00
		2 $\frac{3}{4}$	18.70
1 $\frac{1}{2}$ x 1 $\frac{1}{2}$	6.37	3	20.40
1 $\frac{3}{4}$	7.43	3 $\frac{1}{2}$	23.80
2	8.50	4	27.20
2 $\frac{1}{4}$	9.56	4 $\frac{1}{2}$	30.60
2 $\frac{1}{2}$	10.62	5	34.00
3	12.75	6	40.80
3 $\frac{1}{2}$	14.87	8	54.40
4	17.00	10	68.00
4 $\frac{1}{2}$	19.12	12	81.60
5	21.25		
6	25.50	2 $\frac{1}{4}$ x 3	22.95
8	34.00		
10	42.50	2 $\frac{1}{2}$ x 3	25.50
12	51.00	3 $\frac{1}{2}$	29.76
		4	34.00
1 $\frac{1}{2}$ x 1 $\frac{3}{4}$	8.92	5	42.50
2	10.20	6	51.00
2 $\frac{1}{4}$	11.47	8	68.00
2 $\frac{1}{2}$	12.75		
2 $\frac{3}{4}$	14.02	3 x 4	40.80
3	15.30	5	51.00
3 $\frac{1}{2}$	17.85	6	61.20

THE ADVANTAGES OF COLD FINISHED BARS

There are four primary advantages of Cold Finished Bars:

- 1) FINISH**—The finish is smooth and shiny, and free of scale. It is polished further and straightened.
Applications: small shafts, pins, studs, nuts, etc.
- 2) SIZE AND CONCENTRICITY**—The tolerance of Cold Finished bars is held much closer than is possible with a Hot Rolled finish.
Applications: master shafts, washing machine shafts, threaded parts, etc.
- 3) MECHANICAL PROPERTIES**—The tensile strength of Cold Finished Bars is perhaps 20% more than Hot Rolled Bars, and the yield increases perhaps 50% or more.
- 4) MACHINABILITY**—Cold Finished steel machines faster, with less waste, reducing cost of parts.

COLD FINISHED CARBON STEEL BARS

Size	Maximum of Carbon Range 0.28% or Less	Maximum of Carbon Range Over 0.28% to 0.55% incl.
	Minus	Minus

ROUNDS—Cold Drawn or Turned and Polished

Up to 1" incl.	0.002"	0.003"
Over 1" to 2" incl.	0.003"	0.004"
Over 2" to 4" incl.	0.004"	0.005"
Over 4" to 6" incl.	0.005"	0.006"
Over 6" to 7½" incl.	0.006"	0.008"

HEXAGONS—Cold Drawn

Up to ⅝" incl.	0.002"	0.003"
Over ⅝" to 1" incl.	0.003"	0.004"
Over 1" to 2½" incl.	0.004"	0.005"
Over 2½" to 3½" incl.	0.005"	0.006"

SQUARES—Cold Drawn

Up to ⅝" incl.	0.003"	0.004"
Over ⅝" to 1" incl.	0.004"	0.005"
Over 1" to 2½" incl.	0.005"	0.006"
Over 2½" to 4" incl.	0.006"	0.008"

FLATS—Cold Drawn

Width	0.003"	0.004"
Up to ¼" incl.	0.004"	0.005"
Over ¼" to ½" incl.	0.005"	0.006"
Over ½" to 3" incl.	0.006"	0.008"
Over 3" to 4" incl.	0.008"	0.010"
Over 4" to 6" incl.	0.013"	—
Over 6"	—	—

NOTE: Width governs tolerances for both width and thickness of flats. Example: If maximum of carbon range is 0.28% or less, a 2" x 1" flat has both width and thickness tolerance of minus 0.005"

Mechanical Properties

Cold Finished Carbon Steels

Cold Finished Carbon Steels

EXPECTED MINIMUM MECHANICAL PROPERTIES, CONVENTIONAL PRACTICE
ROUNDS, SQUARES AND HEXAGONS

A.I.S.I. Grade Size, Inch	AS COLD DRAWN				COLD DRAWN FOLLOWED BY LOW TEMPERATURE STRESS RELIEF				COLD DRAWN FOLLOWED BY HIGH TEMPERATURE STRESS RELIEF						
	Strength		Elon- gation in 2" %	Reduc- tion of Area %	BHN	Strength		Elon- gation in 2" %	Reduc- tion of Area %	BHN	Strength		Elon- gation in 2" %	Reduc- tion of Area %	BHN
	Tensile 1000 psi	Yield 1000 psi				Tensile 1000 psi	Yield 1000 psi				Tensile 1000 psi	Yield 1000 psi			
1018, 1025 5/8 $\frac{3}{4}$ incl. Over $\frac{7}{8}$ to 1 $\frac{1}{2}$ incl. Over 1 $\frac{1}{2}$ to 2 incl. Over 2 to 3 incl.	70	60	18	40	143						65	45	20	45	131
	65	55	16	40	131						60	45	20	45	121
	60	50	15	35	121						55	45	16	40	111
	55	45	15	35	111						50	40	15	40	101
1117, 1118 $\frac{3}{4}$ to $\frac{1}{2}$ incl. Over $\frac{7}{8}$ to 1 $\frac{1}{2}$ incl. Over 1 $\frac{1}{2}$ to 2 incl. Over 2 to 3 incl.	75	65	15	40	149	80	70	15	40	163	70	50	18	45	143
	70	60	15	40	143	75	65	15	40	149	65	50	16	45	131
	65	55	13	35	131	70	60	13	35	143	60	50	15	40	121
	60	50	12	30	121	65	55	12	35	131	55	45	15	40	111
1035 $\frac{3}{4}$ to $\frac{1}{2}$ incl. Over $\frac{7}{8}$ to 1 $\frac{1}{2}$ incl. Over 1 $\frac{1}{2}$ to 2 incl. Over 2 to 3 incl.	85	75	13	35	170	90	80	13	35	179	80	60	16	45	163
	80	70	12	35	163	85	75	12	35	170	75	60	15	45	149
	75	65	12	35	149	80	70	12	35	163	70	60	15	40	143
	70	60	10	30	143	75	65	10	30	149	65	55	12	35	131
1040, 1140 $\frac{3}{4}$ to $\frac{1}{2}$ incl. Over $\frac{7}{8}$ to 1 $\frac{1}{2}$ incl. Over 1 $\frac{1}{2}$ to 2 incl. Over 2 to 3 incl.	90	80	12	35	179	95	85	12	35	187	85	65	15	45	170
	85	75	12	35	170	90	80	12	35	179	80	65	15	45	163
	80	70	10	30	163	85	75	10	30	170	75	60	15	40	149
	75	65	10	30	149	80	70	10	30	163	70	55	12	35	143

Cold Finished Carbon Steels
EXPECTED MINIMUM MECHANICAL PROPERTIES, CONVENTIONAL PRACTICE
 ROUNDS, SQUARES AND HEXAGONS

CONTINUATION OF PAGE 62

A.I.S.I. Grade Size, Inch	AS COLD DRAWN						COLD DRAWN FOLLOWED BY LOW TEMPERATURE STRESS RELIEF						COLD DRAWN FOLLOWED BY HIGH TEMPERATURE STRESS RELIEF					
	Strength		Elon- gation in 2" %	Reduc- tion of Area %	BHN	Strength		Elon- gation in 2" %	Reduc- tion of Area %	BHN	Strength		Elon- gation in 2" %	Reduc- tion of Area %	BHN			
	Tensile 1000 psi	Yield 1000 psi				Tensile 1000 psi	Yield 1000 psi				Tensile 1000 psi	Yield 1000 psi						
1045, 1146, 1145 % to 1/8 incl. Over 1/8 to 1/4 incl. Over 1/4 to 2 incl. Over 2 to 3 incl.	95	85	12	35	187	100	90	12	35	197	90	70	15	45	179			
	90	80	11	30	179	95	85	11	30	187	85	70	15	45	170			
	85	75	10	30	170	90	80	10	30	179	80	65	15	40	163			
	80	70	10	30	163	85	75	10	25	170	75	60	12	35	149			
1050, 1137, 1151 % to 1/8 incl. Over 1/8 to 1/4 incl. Over 1/4 to 2 incl. Over 2 to 3 incl.	100	90	11	35	197	105	95	11	35	212	95	75	15	45	187			
	95	85	11	30	187	100	90	11	30	197	90	75	15	40	179			
	90	80	10	30	179	95	85	10	30	187	85	70	15	40	170			
	85	75	10	30	170	90	80	10	25	179	80	65	12	35	163			
1141 % to 1/8 incl. Over 1/8 to 1/4 incl. Over 1/4 to 2 incl. Over 2 to 3 incl.	105	95	11	30	212	110	100	11	30	223	100	80	15	40	197			
	100	90	10	30	197	105	95	10	30	212	95	80	15	40	187			
	95	85	10	30	187	100	90	10	25	197	90	75	15	40	179			
	90	80	10	20	179	95	85	10	20	187	85	70	12	30	170			
1144 % to 1/8 incl. Over 1/8 to 1/4 incl. Over 1/4 to 2 incl. Over 2 to 3 incl.	110	100	10	30	223	115	105	10	30	229	105	85	15	40	212			
	105	95	10	30	212	110	100	10	30	223	100	85	15	40	197			
	100	90	10	25	197	105	95	10	25	212	95	80	15	35	187			
	95	85	10	20	187	100	90	10	20	197	90	75	12	30	179			

**CHATHAM STEEL
A COMPLETE CARBON & STAINLESS
STEEL SERVICE CENTER**

STRUCTURAL AND BAR SHAPES

PLATES - Carbon, Alloy, Stainless, Aluminum

BARS - Hot Rolled, Cold Finished, Stainless, Aluminum

SHEETS - Black, Galvanized, Stainless, Aluminum

PIPE AND TUBING - Carbon, Alloy, Stainless, Aluminum

EXPANDED METAL AND BAR GRATING - Carbon and Stainless

FIBERGLASS GRATING

WIRE MESH AND WIRE ROPE

PROCESSING

SAWING - Square & Mitre

SHEARING - Braking, Forming

CUTTING - Flame, Plasma, Laser

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