

HOT ROLLED STEEL BARS

AISI 1018/1020	
Rounds	1-4, 1-5
AISI 1045	
Rounds	1-5
ASTM A-36 or 44 W	
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Additional grades and sizes
available upon request.

HOT ROLLED STEEL BARS TO MEET EVERY NEED

HOT ROLLED:

ASTM A36 – General purpose structural quality steel offering a 36,000 psi minimum yield point. Easily welded and fabricated. Used for general repairs, tie rods, machinery frames, brackets, etc.

CSA G40.2144W – Steels may be categorized as the “garden variety” steel for general welded construction in Canada. They are usually produced to a semi-killed steel-making practice. The control of carbon and manganese contents is such that normal good field welding procedures will give satisfactory results. This is the recommended steel type for normal building construction where shop and field welding is to be used. Although not recommended for low temperature service, these steels are widely used in compression members of bridges and similar structures and other applications where the possibility of brittle fracture is remote.

CUT & STRAIGHTENED ROD – A soft grade of steel, about 1008 to 1010 carbon, produced from coils of wire. By passing through the straightening rolls a bright finish is obtained similar to cold finished bars. Uses are where severe bending is necessary, i.e., frames for purses and handbags, or for appearance such as filing cabinet rods.

AISI 1018/1020 – General purpose machinery steel of the low carbon grade. Can be formed and welded. Uses are bolts or hammer forgings especially when case hardening is required.

AISI 1045 – Medium carbon machinery steel offering higher strength than low carbon in the as rolled condition. Can also be heat treated or induction hardened. – Uses include gears, axles, shafts, bolts, etc.

STANDARD MANUFACTURING TOLERANCES

HOT ROLLED STEEL

Permissible Variations in Sectional Dimensions
for Round and Square Bars

Specified Size, Inches	Variations from Sizes, Inches		Out-of-Round or - Square Inches
	Over	Under	
5/16 and under	0.005	0.005	0.008
Over 5/16 to 7/16, incl.	0.006	0.006	0.009
Over 7/16 to 1/2, incl.	0.007	0.007	0.010
Over 1/2 to 5/8, incl.	0.008	0.008	0.012
Over 5/8 to 1, incl.	0.009	0.009	0.013
Over 1 to 1 1/8, incl.	0.010	0.010	0.015
Over 1 1/8 to 1 1/4, incl.	0.011	0.011	0.016
Over 1 1/4 to 1 3/8, incl.	0.012	0.012	0.018
Over 1 3/8 to 1 1/2, incl.	0.014	0.014	0.021
Over 1 1/2 to 2, incl.	1/64	1/64	0.023
Over 2 to 2 1/2, incl.	1/32	0	0.023
Over 2 1/2 to 3 1/2, incl.	3/64	0	0.035
Over 3 1/2 to 4 1/2, incl.	1/16	0	0.046
Over 4 1/2 to 5 1/2, incl.	5/64	0	0.058
Over 5 1/2 to 6 1/2, incl.	1/8	0	0.070
Over 6 1/2 to 8 1/4, incl.	5/32	0	0.085
Over 8 1/4 to 9 1/4, incl.	3/16	0	0.100
Over 9 1/2 to 10, incl.	1/4	0	0.120

NOTE: Out-of-round is the difference between the maximum and minimum diameters of the bar, measured at the same cross-section. Out-of-square is the difference in the two dimensions at the same cross-section of a square bar, each dimension being the distance between opposite faces.

Permissible Variations in Sectional Dimensions
for Square Edge and Round Edge Flat Bars

Specified Width, Inches	Variations from Thickness, for Thickness Given, Over and Under, Inches				Variations from Width, Inches	
	Under 1/4	1/4 to 1/2 incl.	Over 1/2 to 1 incl.	Over 1 to 2, incl.	Over 2	Over Under
1 and under	0.007	0.008	0.010	—	—	1/64 1/64
Over 1 to 2 incl.	0.007	0.012	0.015	1/32	—	1/32 1/32
Over 2 to 4 incl.	0.008	0.015	0.020	1/32	3/64	1/16 1/32
Over 4 to 6 incl.	0.009	0.015	0.020	1/32	3/64	3/32 1/16
Over 6 to 8 incl.	0.015	0.016	0.025	1/32	3/64	1/8 3/32

Permissible Variations in Straightness for Bars
and Bar Size Shapes

	Maximum Permissible Variations in Straightness, Inches
	1/4 in any 5 ft. or 1/4 X number of feet of total length
Bars and bar-size shapes*	5

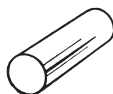
* Permissible variations in straightness do not apply to hot-rolled bars if any subsequent heating operation has been performed.

HOT ROLLED STEEL BARS

ROUND BARS

SPECIFICATION: A-36/44W/50W

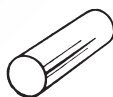
Stock Lengths – 20'



Size in Inches	Est. Weight per Ft. Lbs.	Size in Inches	Est. Weight per Ft. Lbs.
$\frac{3}{16}$ dia.	.094	$1\frac{3}{8}$ dia.	5.05
$\frac{1}{4}$	.167	$1\frac{1}{2}$	6.01
$\frac{5}{16}$	.261	$1\frac{5}{8}$	7.05
$\frac{3}{8}$	.376	$1\frac{3}{4}$	8.18
$\frac{7}{16}$	.511	$1\frac{7}{8}$	9.39
$\frac{1}{2}$	.668	2	10.68
$\frac{9}{16}$	.845	$2\frac{1}{8}$	12.06
$\frac{5}{8}$	1.04	$2\frac{1}{4}$	13.52
$\frac{3}{4}$	1.50	$2\frac{3}{8}$	15.06
$\frac{7}{8}$	2.04	$2\frac{1}{2}$	16.69
1	2.67	$2\frac{5}{8}$	18.40
$1\frac{1}{8}$	3.38	$2\frac{3}{4}$	20.20
$1\frac{1}{4}$	3.77	$2\frac{7}{8}$	22.07
$1\frac{3}{4}$	4.17	3	24.03

SPECIFICATION: AISI 1018/1020

Stock Lengths – Random 16 to 22 feet



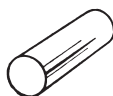
Size in Inches	Est. Weight per Ft. Lbs.	Size in Inches	Est. Weight per Ft. Lbs.
$\frac{1}{2}$ dia.	.668	$2\frac{3}{4}$ dia.	20.20
$\frac{5}{8}$	1.04	$2\frac{7}{8}$	22.07
$\frac{3}{4}$	1.50	3	24.03
$\frac{7}{8}$	2.04	$3\frac{1}{8}$	26.08
1	2.67	$3\frac{1}{4}$	28.21
$1\frac{1}{8}$	3.38	$3\frac{1}{2}$	32.71
$1\frac{1}{4}$	4.17	$3\frac{5}{8}$	35.09
$1\frac{3}{8}$	5.05	$3\frac{3}{4}$	37.55
$1\frac{1}{2}$	6.01	4	42.73
$1\frac{5}{8}$	7.05	$4\frac{1}{8}$	45.44
$1\frac{3}{4}$	8.18	$4\frac{1}{4}$	48.23
$1\frac{7}{8}$	9.39	$4\frac{1}{2}$	54.08
2	10.68	$4\frac{5}{8}$	57.12
$2\frac{1}{8}$	12.06	$4\frac{3}{4}$	60.25
$2\frac{1}{4}$	13.52	5	66.76
$2\frac{3}{8}$	15.06	$5\frac{1}{4}$	73.60
$2\frac{1}{2}$	16.69	$5\frac{3}{8}$	77.15
$2\frac{5}{8}$	18.40	$5\frac{1}{2}$	80.78
		$5\frac{3}{4}$	88.30

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HOT ROLLED STEEL BARS

SPECIFICATION: AISI 1018/1020

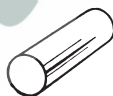
Stock Lengths – Random 16 to 22 feet



Size in Inches	Est. Weight per Ft. Lbs.	Size in Inches	Est. Weight per Ft. Lbs.
6 dia.	96.13	8¼ dia.	181.75
6¼	104.31	8½	192.93
6½	112.82	8¾	204.45
6⅝	117.20	9	216.30
6¾	121.67	9½	241.00
7	130.85	10	267.00
7¼	140.36	10½	294.40
7½	150.21	11	323.10
7¾	160.40	11½	353.10
8	170.90	12	384.50
		13	451.40

SPECIFICATION: AISI 1045

Stock Lengths – Random 16 to 22 feet



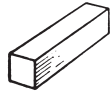
Size in Inches	Est. Weight per Ft. Lbs.	Size in Inches	Est. Weight per Ft. Lbs.
½ dia.	.668	4¼ dia.	48.23
⅝	1.04	4½	54.08
¾	1.50	4¾	60.25
⅞	2.04	5	66.76
1	2.67	5¼	73.60
1⅝	3.38	5½	80.78
1¼	4.17	5¾	88.30
1⅞	5.05	6	96.13
1½	6.01	6¼	104.31
1⅝	7.05	6½	112.82
1¾	8.18	6¾	121.67
1⅞	9.39	7	130.85
2	10.68	7¼	140.36
2⅞	12.06	7½	150.21
2¼	13.52	7¾	160.30
2⅞	15.06	8	170.90
2½	16.69	8¼	181.80
2⅝	18.40	8½	192.93
2¾	20.20	8¾	204.45
2⅞	22.07	9	216.30
3	24.03	9¼	228.50
3¼	28.21	9½	241.00
3⅞	30.42	10	267.00
3½	32.71	10½	294.40
3⅝	35.09	11	323.00
3¾	37.55	11½	353.00
3⅞	40.09	12	384.53
4	42.73	13	451.00

HOT ROLLED STEEL BARS

SQUARE BARS

SPECIFICATION: ASTM A-36/44W/50W

Stock Lengths – 20 feet



Size in Inches	Est. Weight per Ft. Lbs.	Size in Inches	Est. Weight per Ft. Lbs.
$\frac{3}{16}$ sq.	.120	$1\frac{1}{2}$ sq.	7.65
$\frac{1}{4}$	.213	$1\frac{5}{8}$	8.98
$\frac{5}{16}$	.332	$1\frac{3}{4}$	10.41
$\frac{3}{8}$	.478	2	13.60
$\frac{7}{16}$	.651	$2\frac{1}{4}$	17.21
$\frac{1}{2}$	.85	$2\frac{1}{2}$	21.25
$\frac{5}{8}$	1.33	$2\frac{3}{4}$	25.71
$\frac{3}{4}$	1.91	3	30.60
$\frac{7}{8}$	2.60	$3\frac{1}{4}$	35.91
1	3.40	$3\frac{1}{2}$	41.65
$1\frac{1}{8}$	4.30	$3\frac{3}{4}$	47.81
$1\frac{1}{4}$	5.31	4	54.40
$1\frac{3}{8}$	6.43		

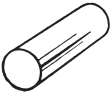
Russel Metals



HOT ROLLED STEEL BARS

CUT & STRAIGHTENED ROD
(BRIGHT DRAWN LOW CARBON)

Stock Lengths – 16 feet and 20 feet



Size in Inches	Est. Weight per Ft. Lbs.	Size in Inches	Est. Weight per Ft. Lbs.
1/8 dia.	.042	3/8 dia.	.376
3/16	.094	7/16	.511
1/4	.167	1/2	.668
5/16	.261	9/16	.845
		5/8	1.04

SLIT AND EDGED BAR

Slit and edged bar can be produced to individual specific requirements based on the manufacturing tolerances noted below.

Thickness	1/8" to 1/2"
Width	1" to 18"
Length	4'/24'
Material	Hot rolled or hot rolled and pickled
Grades	Commercial Quality Structural Quality
Tolerances	To standard AISI Specifications

SLIT AND EDGED BAR

Size in Inches	Est. Weight per Ft. Lbs.	Size in Inches	Est. Weight per Ft. Lbs.	Size in Inches	Est. Weight per Ft. Lbs.
$\frac{1}{8}$ X $\frac{1}{2}$	.212	$\frac{3}{16}$ X $\frac{3}{4}$	.478	$\frac{1}{4}$ X $\frac{1}{2}$	.425
$\frac{5}{8}$	.266	$\frac{7}{8}$	.558	$\frac{5}{8}$	.531
$\frac{3}{4}$	.319			$\frac{3}{4}$	.637
$\frac{7}{8}$	.372	1	.638	$\frac{7}{8}$	.744
		$1\frac{1}{4}$	.797	1	.85
1	.425	$1\frac{1}{2}$	.956	$1\frac{1}{4}$	1.06
$1\frac{1}{4}$	.531	$1\frac{3}{4}$	1.12	$1\frac{1}{2}$	1.28
$1\frac{1}{2}$	.637			$1\frac{3}{4}$	1.49
$1\frac{3}{4}$	.744	2	1.28		
		$2\frac{1}{4}$	1.43	2	1.70
2	.850	$2\frac{1}{2}$	1.59	$2\frac{1}{4}$	1.91
$2\frac{1}{4}$	.956			$2\frac{1}{2}$	2.13
$2\frac{1}{2}$	1.062	3	1.91	3	2.55
$2\frac{3}{4}$	1.170	$3\frac{1}{4}$	2.07	$3\frac{1}{4}$	2.76
		$3\frac{1}{2}$	2.23	$3\frac{1}{2}$	2.98
3	1.275			$3\frac{3}{4}$	3.19
$3\frac{1}{4}$	1.381	4	2.55		
$3\frac{1}{2}$	1.490	$4\frac{1}{4}$	2.71	4	3.40
		$4\frac{1}{2}$	2.87	$4\frac{1}{2}$	3.83
4	1.700			$4\frac{3}{4}$	4.04
$4\frac{1}{2}$	1.912	5	3.19		
				5	4.25
5	2.125	6	3.83	$5\frac{1}{2}$	4.68
6	2.550	7^*	4.46	6	5.10
8^*	3.400	8^*	5.10	7	5.95
10^*	4.250	9^*	5.74	8	6.80
11^*	4.675			9	7.65
		10^*	6.37		
12^*	5.100			10	8.50
		11^*	7.02		
$\frac{3}{16}$ X $\frac{1}{2}$	.319			12	10.20
$\frac{5}{8}$	.399	12^*	7.65		

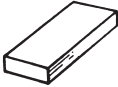
**Also referred to as Stringer Plates.*

HOT ROLLED STEEL BARS

FLAT BARS

SPECIFICATION: A-36/44W/50W

Stock Lengths – 20 feet



Size in Inches	Est. Weight per Ft. Lbs.	Size in Inches	Est. Weight per Ft. Lbs.
1/4 x 1/2	.425	5/16 x 2 1/4	2.39
5/8	.531	2 1/2	2.66
3/4	.637	3	3.19
7/8	.744	3 1/2	3.72
1	.85	4	4.25
1 1/4	1.06	4 1/2	4.78
1 1/2	1.28	5	5.31
1 3/4	1.49	5 1/2	5.84
2	1.70	6	6.38
2 1/4	1.91	8	8.50
2 1/2	2.13	10	10.63
3	2.55	12	12.75
3 1/4	2.76	3/8 x 1/2	.638
3 1/2	2.98	5/8	.797
3 3/4	3.19	3/4	.956
4	3.40	1	1.28
4 1/2	3.83	1 1/4	1.59
4 3/4	4.04	1 1/2	1.91
5	4.25	1 3/4	2.23
5 1/2	4.68	2	2.55
6	5.10	2 1/4	2.87
7	5.95	2 1/2	3.19
8	6.80	2 3/4	3.51
9	7.65	3	3.83
10	8.50	3 1/2	4.46
12	10.20	4	5.10
5/16 x 1/2	.531	4 1/2	5.74
5/8	.664	5	6.38
3/4	.797	5 1/2	7.01
1	1.06	6	7.65
1 1/4	1.33		
1 1/2	1.59		
1 3/4	1.86		
2	2.13		

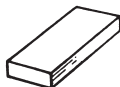
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HOT ROLLED STEEL BARS

FLAT BARS

SPECIFICATION: ASTM A-36/44W/50W

Stock Lengths – 20 feet



Size in Inches	Est. Weight per Ft. Lbs.	Size in Inches	Est. Weight per Ft. Lbs.
$\frac{3}{8}$ x 7	8.92	$\frac{5}{8}$ x $1\frac{1}{4}$	2.66
8	10.20	$1\frac{1}{2}$	3.19
9	11.48	$1\frac{3}{4}$	3.72
10	12.75		
12	15.30	2	4.25
		$2\frac{1}{4}$	4.78
$\frac{1}{2}$ x $\frac{5}{8}$	1.06	$2\frac{1}{2}$	5.31
$\frac{3}{4}$	1.28		
$\frac{7}{8}$	1.49	3	6.38
1	1.70	$3\frac{1}{4}$	6.91
$1\frac{1}{4}$	2.12	$3\frac{1}{2}$	7.44
$1\frac{1}{2}$	2.55	4	8.50
$1\frac{3}{4}$	2.98	$4\frac{1}{2}$	9.56
2	3.40	5	10.63
$2\frac{1}{4}$	3.83		
$2\frac{1}{2}$	4.25	6	12.75
$2\frac{3}{4}$	4.68		
		8	17.00
3	5.10		
$3\frac{1}{2}$	5.95	10	21.25
4	6.80	12	25.50
$4\frac{1}{2}$	7.65		
		$\frac{3}{4}$ x 1	2.55
5	8.50	$1\frac{1}{4}$	3.19
$5\frac{1}{2}$	9.35	$1\frac{1}{2}$	3.83
		$1\frac{3}{4}$	4.46
6	10.20	2	5.10
		$2\frac{1}{4}$	5.74
		$2\frac{1}{2}$	6.38
7	11.90		
		3	7.65
8	13.60	$3\frac{1}{2}$	8.93
10	17.00	4	10.20
		$4\frac{1}{2}$	11.48
11	18.70		
		5	12.75
12	20.40	$5\frac{1}{2}$	14.03
$\frac{5}{8}$ x $\frac{3}{4}$	1.59	6	15.30
1	2.13	7	17.85
		8	20.40

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HOT ROLLED STEEL BARS

FLAT BARS

SPECIFICATION: A-36/44W/50W

Stock Lengths – 20 feet

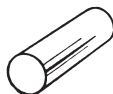
Size in Inches	Est. Weight per Ft. Lbs.	Size in Inches	Est. Weight per Ft. Lbs.
¾ x 10	25.50	1¼ x 4½	19.13
12	30.60	5	21.25
7⁄8 x 2	5.95	6	25.50
3	8.93	8	34.00
4	11.90	10	42.50
6	17.85	12	51.00
1 x 1¼	4.25	1½ x 2	10.20
1½	5.10	2½	12.75
1¾	5.95	3	15.30
2	6.80	3½	17.85
2½	8.50	4	20.40
3	10.20	4½	22.95
3½	11.90	5	25.50
4	13.60	6	30.60
4½	15.30	8	40.80
5	17.00	10	51.00
5½	18.70	12	61.20
6	20.40	1¼ x 2	11.90
7	23.80	2½	14.88
8	27.20	3	17.85
10	34.00	3½	20.83
11	37.40	4	23.80
12	40.80	6	35.70
1¼ x 2	8.50	8	47.60
2½	10.63	2 x 2½	17.00
3	12.75	3	20.40
3½	14.88	3½	23.80
4	17.00	4	27.20
		5	34.00
		6	40.80
		8	54.40
		2¼ x 4	30.60
		2½ x 4	34.00
		5	42.50
		6	51.00
		3 x 4	40.80
		5	51.00
		6	61.20

HOT ROLLED ALLOY STEEL BARS

Specification: SAE 4140

Heat Treated

Rounds – Lengths 15-20'



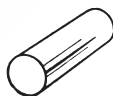
Size in Inches	Est. Weight per Ft. Lbs.	Size in Inches	Est. Weight per Ft. Lbs.
5/8 dia.	1.04	1 3/4 dia.	8.18
3/4	1.50	1 7/8	9.39
7/8	2.04	2	10.68
1	2.67	2 1/4	13.52
1 1/4	4.17	2 1/2	16.69
1 1/2	6.01	2 3/4	20.20
		3	24.03

HOT ROLLED ALLOY STEEL BARS

Specification: SAE 4140

Stress Relieved

Rounds – Lengths 15-20'



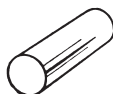
Size in Inches	Est. Weight per Ft. Lbs.	Size in Inches	Est. Weight per Ft. Lbs.
3 1/4 dia.	28.21	5 1/4 dia.	73.60
3 1/2	32.71	5 1/2	80.78
3 3/4	37.55	5 3/4	88.30
4	42.73	6	96.13
4 1/4	48.23	6 1/2	112.82
4 1/2	54.08	6 3/4	121.67
4 3/4	60.25		
5	66.76	7	130.85

HOT ROLLED ALLOY STEEL BARS

Specification: SAE 4140

Annealed

Rounds – Lengths 15-20'



Size in Inches	Est. Weight per Ft. Lbs.	Size in Inches	Est. Weight per Ft. Lbs.
7½ dia.	150.21	9½ dia.	241.00
8¼	181.80	10	267.00
8½	192.93	10½	294.40
9	216.30	11	323.10

HOT ROLLED ALLOY STEEL BARS

Specification: SAE 4140

Leaded

Rounds – Lengths 15-20'



Size in Inches	Est. Weight per Ft. Lbs.	Size in Inches	Est. Weight per Ft. Lbs.
1 dia.	2.67	5½ dia.	80.80
1¼	4.17	6	96.13
1½	6.01	6½	112.82
1¾	8.18	7	130.85
2	10.68	7½	150.21
2½	16.69	8	170.90
3	24.03	8½	192.93
3½	32.70	9	216.30
4	42.73	9½	241.00
4½	54.08	10	267.00
5	66.76	11	323.10

REINFORCING BARS

CSA G30.18 Gr. 400R or 400W

Metric Bar Designation	Pounds Per Lineal Foot	Kilograms Per Lineal Meter	Nominal Area	
			in ²	mm ²
10M	.528	.785	.16	100
15M	1.055	1.570	.31	200
20M	1.583	2.355	.47	300
25M	2.638	3.925	.78	500
30M	3.693	5.495	1.09	700
35M	5.275	7.850	1.55	1000
45M	7.912	11.775	2.33	1500
55M	13.188	19.625	3.88	2500

ASTM A615 Gr. 40 or 60

Imperial Bar Designation	Pounds Per Lineal Foot	Kilograms Per Lineal Meter	Nominal Area	
			in ²	mm ²
# 3	.376	.560	.11	71
# 4	.668	.994	.20	129
# 5	1.043	1.552	.31	200
# 6	1.502	2.235	.44	284
# 7	2.044	3.042	.60	387
# 8	2.670	3.973	.79	510
# 9	3.400	5.060	1.00	645
#10	4.303	6.404	1.27	819
#11	5.313	7.907	1.56	1006
#14	7.650	11.384	2.25	1452
#18	13.600	20.239	4.00	2581

STEEL ANGLES

Specification: CSA G40.21 – 44W/50W

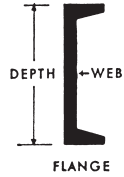
Stock Lengths – 20.0 and 40.0 feet



Size in Inches	Est. Weight per Ft. Lbs.	Size in Inches	Est. Weight per Ft. Lbs.
1/2 x 1/2 x 1/8	.38	1 3/4 x 1 3/4 x 1/8	1.44
		3/16	2.12
5/8 x 5/8 x 1/8	.48	1/4	2.77
		2 x 1 1/2 x 1/8	1.44
3/4 x 3/4 x 1/8	.59	3/16	2.12
3/16	.84	1/4	2.77
		5/16	3.39
7/8 x 7/8 x 1/8	.70	2 x 2 x 1/8	1.65
3/16	1.00	3/16	2.44
		1/4	3.19
1 x 1 x 1/8	.80	5/16	3.92
3/16	1.16	3/8	4.70
1/4	1.49	2 1/2 x 2 x 3/16	2.75
		1/4	3.62
1 1/4 x 1 1/4 x 1/8	1.01	5/16	4.50
3/16	1.48	3/8	5.30
1/4	1.92	2 1/2 x 2 1/2 x 3/16	3.07
5/16	2.33	1/4	4.10
		5/16	5.00
1 1/2 x 1 1/2 x 1/8	1.23	3/8	5.90
3/16	1.80	1/2	7.70
1/4	2.34		
5/16	2.86		
3/8	3.35		

STEEL CHANNELS

Specification: ASTM A-36/44W/50W



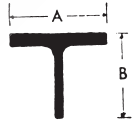
BAR SIZES

Stock Lengths – 20 feet

Size in Inches	Est. Weight per Ft. Lbs.	Size in Inches	Est. Weight per Ft. Lbs.
$\frac{3}{4} \times \frac{3}{8} \times \frac{1}{8}$	.54	$2 \times \frac{1}{2} \times \frac{1}{8}$	1.43
$1 \times \frac{1}{2} \times \frac{1}{8}$	.84	$2 \times \frac{5}{8} \times \frac{3}{16}$	1.47
$1\frac{1}{4} \times \frac{1}{2} \times \frac{1}{8}$	1.00	$2 \times \frac{5}{8} \times \frac{1}{4}$	2.28
$1\frac{1}{2} \times \frac{1}{2} \times \frac{1}{8}$	1.12	$2 \times \frac{9}{16} \times \frac{3}{16}$	1.86
$1\frac{1}{2} \times \frac{9}{16} \times \frac{3}{16}$	1.44	$2 \times 1 \times \frac{1}{8}$	1.59
$1\frac{1}{2} \times \frac{3}{4} \times \frac{1}{8}$	1.17	$2 \times 1 \times \frac{3}{16}$	2.32
		$2\frac{1}{2} \times \frac{5}{8} \times \frac{3}{16}$	2.27

STEEL TEES

Specification: ASTM A-36/44W



BAR SIZES

Stock Lengths – 20 feet

A Flange Inches	B Stem Inches	Thickness of Stem Inches	Est. Weight per Ft. Lbs.
$\frac{3}{4}$	$\frac{3}{4}$	$\frac{1}{8}$	.61
$\frac{7}{8}$	$\frac{7}{8}$	$\frac{1}{8}$	.73
1	1	$\frac{1}{8}$	.85
1	1	$\frac{3}{16}$	1.15
$1\frac{1}{4}$	$1\frac{1}{4}$	$\frac{1}{8}$	1.09
$1\frac{1}{4}$	$1\frac{1}{4}$	$\frac{3}{16}$	1.55
$1\frac{1}{4}$	$1\frac{1}{4}$	$\frac{1}{4}$	1.93
$1\frac{1}{2}$	$1\frac{1}{2}$	$\frac{3}{16}$	1.80
$1\frac{1}{2}$	$1\frac{1}{2}$	$\frac{1}{4}$	2.43
$1\frac{3}{4}$	$1\frac{3}{4}$	$\frac{3}{16}$	2.26
$1\frac{3}{4}$	$1\frac{3}{4}$	$\frac{1}{4}$	2.90
2	2	$\frac{1}{4}$	3.62
$2\frac{1}{2}$	$2\frac{1}{2}$	$\frac{1}{4}$	4.60
$2\frac{1}{2}$	$2\frac{1}{2}$	$\frac{5}{16}$	5.50
$2\frac{1}{2}$	$2\frac{1}{2}$	$\frac{3}{8}$	6.40