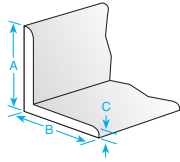


STRUCTURAL

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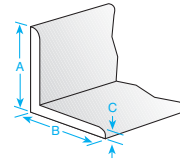
Angles – Bar Size

Available as ASTM A36, A709
Stock Lengths 20 Ft.

Sizes

Leg (A)	Leg (B)	Thick. (C)	Weight Per Ft. in Lbs.
1/2 x 1/2 x 1/8			.380
5/8 x 5/8 x 1/8			.480
3/4 x 3/4 x 1/8			.590
7/8 x 7/8 x 1/8			.700
1 x 5/8 x 1/8			.640
1 x 3/4 x 1/8			.700
1 x 1 x 1/8			.800
		3/16	1.160
		1/4	1.490
1 1/8 x 1 1/8 x 1/8			.900
1 1/4 x 1 1/4 x 1/8			1.010
		3/16	1.480
		1/4	1.920
1 3/8 x 7/8 x 1/8			.910
		3/16	1.320
1 1/2 x 1 1/4 x 3/16			1.640
1 1/2 x 1 1/2 x 1/8			1.230
		3/16	1.800
		1/4	2.340
		3/8	3.350
1 3/4 x 1 1/4 x 1/8			1.230
		3/16	1.800
		1/4	2.340
1 3/4 x 1 3/4 x 1/8			1.440
		3/16	2.120

Leg (A)	Leg (B)	Thick. (C)	Weight Per Ft. in Lbs.
1 3/4 x 1 3/4 x 1/4			2.770
2 x 1 1/4 x 3/16			1.960
		1/4	2.550
2 x 1 1/2 x 1/8			1.440
		3/16	2.120
		1/4	2.770
2 x 2 x 1/8			1.650
		3/16	2.440
		1/4	3.190
		5/16	3.920
		3/8	4.700
2 1/4 x 1 1/2 x 3/16			2.280
2 1/2 x 2 1/8 x 3/16			2.440
		1/4	3.190
		5/16	3.920
2 1/2 x 2 x 3/16			2.750
		1/4	3.620
		5/16	4.500
		3/8	5.300
2 1/2 x 2 1/2 x 3/16			3.070
		1/4	4.100
		5/16	5.000
		3/8	5.900
		1/2	7.700



L Angles – Structural

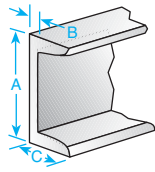
Available as ASTM A36, A709,
572 GR 50, 992 GR 50, CAS 44W,
& CAS 50W
Stock Lengths 20 and 40 Ft.

Sizes

Leg (A)	Leg (B)	Thick. (C)	Weight Per Ft. in Lbs.
L3 x 2 x 3/16			3.070
		1/4	4.100
		5/16	5.000
		3/8	5.900
		1/2	7.700
L3 x 2 1/2 x 3/16			3.350
		1/4	4.500
		5/16	5.600
		3/8	6.600
		1/2	8.500
L3 x 3 x 3/16			3.710
		1/4	4.900
		5/16	6.100
		3/8	7.200
		1/2	9.400
L3 1/2 x 2 1/2 x 1/4			4.900
		5/16	6.100
		3/8	7.200
		1/2	9.400
L3 1/2 x 3 x 1/4			5.400
		5/16	6.600
		3/8	7.900
		1/2	10.200
L3 1/2 x 3 1/2 x 1/4			5.800
		5/16	7.200
		3/8	8.500
		1/2	11.100
L4 x 3 x 1/4			5.800
L4 x 3 x 5/16			7.200
		3/8	8.500
		1/2	11.100
L4 x 3 1/2 x 1/4			6.200
		5/16	7.700
		3/8	9.100
		1/2	11.900
L4 x 4 x 1/4			6.600
		5/16	8.200
		3/8	9.800
		1/2	12.800
		5/8	15.700
		3/4	18.500
L5 x 3 x 1/4			6.600

Leg (A)	Leg (B)	Thick. (C)	Weight Per Ft. in Lbs.
L5 x 3 x 5/16			8.200
		3/8	9.800
		1/2	12.800
L5 x 3 1/2 x 1/4			7.000
		5/16	8.700
		3/8	10.400
		1/2	13.600
		5/8	16.800
		3/4	19.800
L5 x 5 x 5/16			10.300
		3/8	12.300
		1/2	16.200
		5/8	20.000
		3/4	23.600
L6 x 3 1/2 x 1/4			7.900
		5/16	9.800
		3/8	11.700
		1/2	15.300
L6 x 4 x 5/16			10.300
		3/8	12.300
		1/2	16.200
		5/8	20.000
		3/4	23.600
L6 x 6 x 5/16			12.400
		3/8	14.900
		1/2	19.600
		5/8	24.200
		3/4	28.700
L6 x 6 x 1			37.400
L7 x 4 x 3/8			13.600
		1/2	17.900
		3/4	26.200
L8 x 4 x 1/2			19.600
		3/4	28.700
L8 x 6 x 1/2			23.000
		3/4	33.800
		1	44.200
L8 x 8 x 1/2			26.400
		5/8	32.700
		3/4	38.900
		1	51.000

All items can be galvanized.

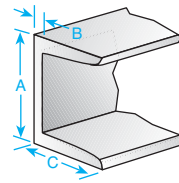


Channels – Bar Size

Available as ASTM A-36.
Stock Lengths: 20 Ft.

Sizes

Depth in Inches (A)	Web Thick. in Inches (B)	Flange Width in Inches (C)	Weight per Ft. in Lbs.
3/4	x 1/8	x 3/8	.560
1	x 1/8	x 3/8	.680
1	x 1/8	x 1/2	.840
1 1/8	x 3/16	x 9/16	1.160
1 1/4	x 1/8	x 1/2	1.010
1 1/2	x 1/8	x 1/2	1.120
1 1/2	x 3/16	x 9/16	1.440
1 1/2	x 1/8	x 3/4	1.170
2	x 1/8	x 1/2	1.430
2	x 3/16	x 9/16	1.860
2	x 1/4	x 5/8	2.280
2	x 1/8	x 1	1.780
2	x 3/16	x 1	2.570
2 1/2	x 5/8	x 3/16	2.270

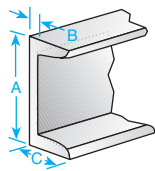


MC Channels – Ship & Car

Available in ASTM A-36, A709, 572 Gr. 50, 992 Gr. 50, CAS 44W, CAS 50W.
Stock Lengths: 20 and 40 Ft

Sizes

Depth in Inches Wt./Ft./Lbs. (A)	Web Thick. in Inches (B)	Flange Width in Inches (C)	Depth in Inches Wt./Ft./Lbs. (A)	Web Thick. in Inches (B)	Flange Width in Inches (C)
MC 3 x 7.1	.312	1.938	MC 10 x 22.0	.312	3.315
MC 4 x 13.8	.500	2.500	25.0	.380	3.405
MC 6 x 12.0	.310	2.497	28.5	.425	3.950
15.1	.316	2.941	33.6	.575	4.100
15.3	.340	3.500	41.1	.796	4.321
16.3	.375	3.000	MC 12 x 31.0	.370	3.670
18.0	.379	3.504	35.0	.467	3.767
MC 7 x 19.1	.352	3.452	40.0	.590	3.890
22.7	.503	3.603	45.0	.712	4.012
MC 8 x 18.7	.353	2.978	50.0	.835	4.135
20.0	.400	3.025	MC 13 x 31.8	.375	4.000
21.4	.375	3.450	50.0	.787	4.412
22.8	.427	3.502	MC 18 x 42.7	.450	3.950
MC 9 x 23.9	.400	3.450	45.8	.500	4.000
25.4	.450	3.500	51.9	.600	4.100
			58.0	.700	4.200

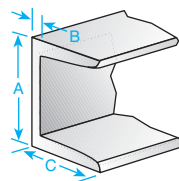


C Channels – Standard

Available as ASTM A-36, A709, 572 Gr.50, 992 Gr.50, CAS 44W, CAS 50W.
Stock Lengths: 20 and 40 Ft

Sizes

Depth in Inches Wt./Ft./Lbs. (A)	Web Thick. in Inches (B)	Flange Width in Inches (C)	Depth in Inches Wt./Ft./Lbs. (A)	Web Thick. in Inches (B)	Flange Width in Inches (C)
C3 x 4.1	.170	1.410	C8 x 13.75	.303	2.343
5.0	.258	1.498	18.75	.487	2.527
6.0	.356	1.596	C9 x 13.4	.233	2.433
C4 x 5.4	.184	1.584	15.0	.285	2.485
6.25	.247	1.647	20.0	.448	2.648
7.25	.321	1.721	C10 x 15.3	.240	2.600
C5 x 6.7	.190	1.750	20.0	.379	2.739
9.0	.325	1.885	25.0	.526	2.886
C6 x 8.2	.200	1.920	30.0	.673	3.033
10.5	.314	2.034	C12 x 20.7	.282	2.942
13.0	.437	2.157	25.0	.387	3.047
C7 x 9.8	.210	2.090	30.0	.510	3.170
12.25	.314	2.194	C15 x 33.9	.400	3.400
14.75	.419	2.299	40.0	.520	3.520
C8 x 11.5	.220	2.260	50.0	.716	3.716

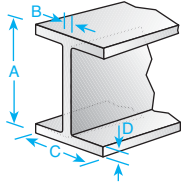


MC Channels – Jr. Channels

Available in ASTM A-36, A709, 572 Gr. 50, 992 Gr. 50, CAS 44W, CAS 50W.
Stock Lengths: 20 and 40 Ft

Sizes

Depth in Inches Wt./Ft./Lbs. (A)	Web Thick. in Inches (B)	Flange Width in Inches (C)
MC 8 x 8.5	.180	1.875
MC 10 x 6.5	.152	1.127
8.4	.170	1.500
MC 12 x 10.6	.190	1.500



W Beams – Wide Flange

Available in ASTM A36, A709, 572 Gr. 50, 992 Gr. 50, CAS 44W, CAS 50W.
Stock Lengths: 20 and 40 Ft.

Sizes

Nom. Depth In Inches Wt./Ft./Lbs.	Depth In Inches (A)	Web Thick. In Inches (B)	Flange Width (C)	Flange Thick. (D)	Area Sq. Inch	
W4 x	13.0	4.16	.280	4.060	.345	3.83
W5 x	16.0	5.01	.240	5.000	.360	4.71
	19.0	5.15	.270	5.030	.430	5.56
W6 x	9.0	5.90	.170	3.940	.215	2.68
	12.0	6.03	.230	4.000	.280	3.55
	15.0	5.99	.230	5.990	.260	4.43
	16.0	6.28	.260	4.030	.405	4.74
	20.0	6.20	.260	6.020	.365	5.87
	25.0	6.38	.320	6.080	.455	7.34
W8 x	10.0	7.89	.170	3.940	.205	2.96
	13.0	7.99	.230	4.000	.255	3.84
	15.0	8.11	.245	4.015	.315	4.44
	18.0	8.14	.230	5.250	.330	5.26
	21.0	8.28	.250	5.270	.400	6.16
	24.0	7.93	.245	6.495	.400	7.08
	28.0	8.06	.285	6.535	.465	8.25
	31.0	8.00	.285	7.995	.435	9.13
	35.0	8.12	.310	8.020	.495	10.30
	40.0	8.25	.360	8.070	.560	11.70
	48.0	8.50	.400	8.110	.685	14.10
	58.0	8.75	.510	8.220	.810	17.10
	67.0	9.00	.570	8.280	.935	19.70
W10 x	12.0	9.87	.190	3.960	.210	3.54
	15.0	9.99	.230	4.000	.270	4.41
	17.0	10.11	.240	4.010	.330	4.99
	19.0	10.24	.250	4.020	.395	5.62
	22.0	10.17	.240	5.750	.360	6.49
	26.0	10.33	.260	5.770	.440	7.61
	30.0	10.47	.300	5.810	.510	8.84
	33.0	9.73	.290	7.960	.435	9.71
	39.0	9.92	.315	7.985	.530	11.50
	45.0	10.10	.350	8.020	.620	13.30

Continued

Sizes

Nom. Depth In Inches Wt./Ft./Lbs.	Depth In Inches (A)	Web Thick. In Inches (B)	Flange Width (C)	Flange Thick. (D)	Area Sq. Inch	
W10 x	49.0	9.98	.340	10.000	.560	14.40
	54.0	10.09	.370	10.030	.615	15.80
	60.0	10.22	.420	10.080	.680	17.60
	68.0	10.40	.470	10.130	.770	20.00
	77.0	10.40	.530	10.190	.870	22.80
	88.0	10.84	.605	10.265	.990	25.60
	100.0	11.10	.680	10.340	1.120	29.40
	112.0	11.36	.755	10.415	1.250	32.90
W12 x	14.0	11.91	.200	3.970	.225	4.16
	16.0	11.99	.220	3.990	.265	4.71
	19.0	12.16	.235	4.005	.350	5.57
	22.0	12.31	.260	4.030	.425	6.48
	26.0	12.22	.230	6.490	.380	7.65
	30.0	12.34	.260	6.520	.440	8.79
	35.0	12.50	.300	6.560	.520	10.30
	40.0	11.94	.295	8.005	.515	11.80
	45.0	12.06	.335	8.045	.575	13.20
	50.0	12.19	.370	8.080	.640	14.70
	53.0	12.06	.345	9.995	.575	15.60
	58.0	12.19	.360	10.010	.640	17.00
	65.0	12.12	.390	12.000	.605	19.10
	72.0	12.25	.430	12.040	.670	21.10
	79.0	12.38	.470	12.080	.735	23.20
	87.0	12.53	.515	12.125	.810	25.60
	96.0	12.71	.550	12.160	.900	28.20
	106.0	12.89	.610	12.220	.990	31.20
W14 x	22.0	13.74	.230	5.000	.335	6.49
	26.0	13.91	.255	5.025	.420	7.69
	30.0	13.84	.270	6.730	.385	8.85
	34.0	13.98	.285	6.745	.455	10.00
	38.0	14.10	.310	6.770	.515	11.20
	43.0	13.66	.305	7.995	.530	12.60

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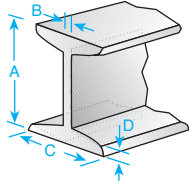
Sizes

Nom. Depth In Inches Wt./Ft./Lbs.	Depth In Inches (A)	Web Thick. In Inches (B)	Flange Width (C)	Flange Thick. (D)	Area Sq. Inch	
W14 x	48.0	13.79	.340	8.030	.595	14.10
	53.0	13.92	.370	8.060	.660	15.60
	61.0	13.89	.375	9.995	.645	17.90
	74.0	14.17	.450	10.070	.785	21.80
	82.0	14.31	.510	10.130	.855	24.10
	90.0	14.02	.440	14.520	.710	26.50
	99.0	14.16	.485	14.565	.780	29.10
W16 x	26.0	15.69	.250	5.500	.345	7.68
	31.0	15.88	.275	5.525	.440	9.12
	36.0	15.86	.295	6.985	.430	10.60
	40.0	16.01	.305	6.995	.505	11.80
	45.0	16.13	.345	7.035	.565	13.30
	50.0	16.26	.380	7.070	.630	14.70
	57.0	16.43	.430	7.120	.715	16.80
	67.0	16.33	.395	10.235	.665	19.70
	77.0	16.52	.455	10.295	.760	22.60
	89.0	16.75	.525	10.365	.875	26.20
W18 x	35.0	17.70	.300	6.000	.425	10.30
	40.0	17.90	.315	6.015	.525	11.80
	46.0	18.06	.360	6.060	.605	13.50
	50.0	17.99	.355	7.495	.570	14.70
	55.0	18.11	.390	7.530	.630	16.20
	60.0	18.24	.415	7.555	.695	17.60
	65.0	18.35	.450	7.590	.750	19.10
	71.0	18.47	.495	7.635	.810	20.80
	76.0	18.21	.430	11.04	.680	22.30
	86.0	18.39	.480	11.090	.770	25.30
	97.0	18.59	.535	11.145	.870	28.50
W21 x	44.0	20.66	.350	6.500	.450	13.00
	50.0	20.83	.380	6.530	.535	14.70
	57.0	21.06	.405	6.555	.650	16.70
	62.0	20.99	.400	8.240	.615	18.30

Continued

Sizes

Nom. Depth In Inches Wt./Ft./Lbs.	Depth In Inches (A)	Web Thick. In Inches (B)	Flange Width (C)	Flange Thick. (D)	Area Sq. Inch	
W21 x	68.0	21.13	.430	8.270	.685	20.00
	73.0	21.24	.455	8.295	.740	21.50
	83.0	21.43	.515	8.355	.835	24.30
	101.0	21.36	.500	12.290	.800	29.80
	111.0	21.51	.550	12.340	.875	32.70
W24 x	55.0	23.57	.395	7.005	.505	16.20
	62.0	23.74	.430	7.040	.590	18.20
	68.0	23.73	.415	8.965	.585	20.10
	76.0	23.92	.440	8.990	.680	22.40
	84.0	24.10	.470	9.020	.770	24.70
	94.0	24.31	.515	9.065	.875	27.70
	104.0	24.06	.500	12.750	.750	30.60
W27 x	84.0	26.71	.460	9.960	.640	24.80
	94.0	26.92	.490	9.990	.745	27.70
W30 x	99.0	29.65	.520	10.450	.670	29.10

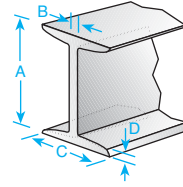


S Beams – Standard

Available in ASTM A36, A709,
572 Gr. 50, 992 Gr. 50 CAS 44W,
CAS 50W.
Stock Lengths: 20 and 40 Ft.

Sizes

		Depth In Inches Wt./Ft./Lbs. (A)	Web Thick In Inches (B)	Flange Width (C)	Flange Thick. (D)	Area Sq. Inch
S3	x	5.7	.170	2.330	.260	1.67
		7.5	.349	2.509	.260	2.21
S4	x	7.7	.193	2.663	.293	2.26
		9.5	.326	2.796	.293	2.79
S5	x	10.0	.214	3.004	.326	2.94
		14.75	.494	3.284	.326	4.34
S6	x	12.5	.232	3.332	.359	3.67
		17.25	.465	3.565	.359	5.07
S7	x	15.3	.252	3.662	.392	4.50
		20.0	.450	3.860	.392	5.88
S8	x	18.4	.271	4.001	.425	5.41
		23.0	.441	4.171	.425	6.77
S10	x	25.4	.311	4.661	.491	7.46
		35.0	.594	4.944	.491	10.30
S12	x	31.8	.350	5.000	.544	9.35
		35.0	.428	5.078	.544	10.30
		40.8	.472	5.252	.659	12.00
		50.0	.687	5.477	.659	14.70
S15	x	42.9	.411	5.501	.622	12.60
		50.0	.550	5.640	.622	14.70
S18	x	54.7	.461	6.001	.691	16.10
		70.0	.711	6.251	.691	20.60
S20	x	66.0	.505	6.255	.795	19.40
		86.0	.660	7.060	.920	25.30
S24	x	80.0	.500	7.000	.870	23.50
		100.0	.745	7.245	.870	29.30
		106.0	.620	7.870	1.090	31.20



M Beams – Jr., H or Light Beams

Available in ASTM A36.
Stock Lengths: 20 and 40 Ft.

Sizes

Nom. Depth In Inches Wt./Ft./Lbs. (A)		Also Called	Web Thick. In Inches (B)	Flange Width (C)	Flange Thick. (D)	Area Sq. Inch	
M5	x	18.9	H	.316	5.003	.416	5.55
M6	x	4.4	JR. BEAM	.114	1.844	.171	1.29
M8	x	6.5	JR. BEAM	.135	2.281	.189	1.92
M10	x	9.0	JR. BEAM	.157	2.690	.206	2.65
M12	x	11.8	JR. BEAM	1.77	3.065	.225	3.47

