SISKIN STEEL

Steel Reference Handbook

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INDEX

WIDE FLANGE BEAMS

ASTM A992

Designation	Depth	Web	Flange	
		Thickness	Width	Thickness
	In.	In.	In.	In.
W 4x13	4.16	0.280	4.060	0.345
W 5x16	5.01	0.240	5.000	0.360
x19	5.15	0.270	5.030	0.430
W 6x 9	5.90	0.170	3.940	0.215
x12	6.03	0.230	4.000	0.280
x16	6.28	0.260	4.030	0.405
W 6x15	5.99	0.230	5.990	0.260
x20	6.20	0.260	6.020	0.365
x25	6.38	0.320	6.080	0.455
W 8x10	7.89	0.170	3.940	0.205
x13	7.99	0.230	4.000	0.255
x15	8.11	0.245	4.015	0.315
W 8x18	8.14	0.230	5.250	0.330
x21	8.28	0.250	5.270	0.400
W 8x24	7.93	0.245	6.495	0.400
x28	8.06	0.285	6.535	0.465
W 8x31	8.00	0.285	7.995	0.435
x35	8.12	0.310	8.020	0.495
x40	8.25	0.360	8.070	0.560
x48	8.50	0.400	8.110	0.685
x58	8.75	0.510	8.220	0.810
x67	9.00	0.570	8.280	0.935

WIDE FLANGE BEAMS

ASTM A992

Designation	Depth	Web	Flange	
		Thickness	Width	Thickness
	In.	In.	In.	In.
W 10x 12	9.87	0.190	3.960	0.210
x 15	9.99	0.230	4.000	0.270
x 17	10.11	0.240	4.010	0.330
x 19	10.24	0.250	4.020	0.395
W 10x 22	10.17	0.240	5.750	0.360
x 26	10.33	0.260	5.770	0.440
x 30	10.47	0.300	5.810	0.510
W 10x 33	9.73	0.290	7.960	0.435
x 39	9.92	0.315	7.985	0.530
x 45	10.10	0.350	8.020	0.620
W 10x 49	9.98	0.340	10.000	0.560
x 54	10.09	0.370	10.030	0.615
x 60	10.22	0.420	10.080	0.680
x 68	10.40	0.470	10.130	0.770
x 77	10.60	0.530	10.190	0.870
x 88	10.84	0.605	10.265	0.990
x100	11.10	0.680	10.340	1.120
x112	11.36	0.755	10.415	1.250
W 12x 14	11.91	0.200	3.970	0.225
x 16	11.91	0.220	3.990	0.265
x 19	12.16	0.235	4.005	0.350
x 22	12.31	0.260	4.030	0.425

WIDE FLANGE BEAMS

ASTM A992

Designation	Depth	Web	Flange	
		Thickness	Width	Thickness
	In.	In.	In.	In.
W 12x 26	12.22	0.230	6.490	0.380
x 30	12.34	0.260	6.520	0.440
x 35	12.50	0.300	6.560	0.520
W 12x 40	11.94	0.295	8.005	0.515
x 45	12.06	0.335	8.045	0.575
x 50	12.19	0.370	8.080	0.640
W 12x 53	12.06	0.345	9.995	0.575
x 58	12.19	0.360	10.010	0.640
W 12x 65	12.12	0.390	12.000	0.605
x 72	12.25	0.430	12.040	0.670
x 79	12.38	0.470	12.080	0.735
x 87	12.53	0.515	12.125	0.810
x 96	12.71	0.550	12.160	0.900
x106	12.89	0.610	12.220	0.990
x120	13.12	0.710	12.320	1.105
x136	13.41	0.790	12.400	1.250
x152	13.71	0.870	12.480	1.400
x170	14.03	0.960	12.570	1.560
x190	14.38	1.060	12.670	1.735
x210	14.71	1.180	12.790	1.900
x230	15.05	1.285	12.895	2.070
x252	15.41	1.395	13.005	2.250
x279	15.85	1.530	13.140	2.470
x305	16.32	1.625	13.235	2.705
x336	16.82	1.775	13.385	2.955

WIDE FLANGE BEAMS
ASTM A992

Designation	Depth	Web	Flange	
		Thickness	Width	Thickness
	In.	In.	In.	In.
W 14x 22	13.74	0.230	5.000	0.335
x 26	13.91	0.255	5.025	0.420
W 14x 30	13.84	0.270	6.730	0.385
x 34	13.98	0.285	6.745	0.455
x 38	14.10	0.310	6.770	0.515
W 14x 43	13.66	0.305	7.995	0.530
x 48	13.79	0.340	8.030	0.595
x 53	13.92	0.370	8.060	0.660
W 14x 61	13.89	0.375	9.995	0.645
x 68	14.04	0.415	10.035	0.720
x 74	14.17	0.450	10.070	0.785
x 82	14.31	0.510	10.130	0.855
W 14x 90	14.02	0.440	14.520	0.710
x 99	14.16	0.485	14.565	0.780
x109	14.32	0.525	14.605	0.860
x120	14.48	0.590	14.670	0.940
x132	14.66	0.645	14.725	1.030
W 14x145	14.78	0.680	15.500	1.090
x159	14.98	0.745	15.565	1.190
x176	15.22	0.830	15.650	1.310
x193	15.48	0.890	15.710	1.440
x211	15.72	0.980	15.800	1.560
x233	16.04	1.070	15.890	1.720
x257	16.38	1.175	15.995	1.890

WIDE FLANGE BEAMS

ASTM A992

Designation	Depth	Web	Flange	
		Thickness	Width	Thickness
	In.	In.	In.	In.
W 14x283	16.74	1.290	16.110	2.070
x311	17.12	1.410	16.230	2.260
x342	17.54	1.540	16.360	2.470
x370	17.92	1.655	16.475	2.660
x398	18.29	1.770	16.590	2.845
x426	18.67	1.875	16.695	3.035
W 14x455	19.02	2.015	16.835	3.210
x500	19.60	2.190	17.010	3.500
x550	20.24	2.380	17.200	3.820
x605	20.92	2.595	17.415	4.160
x665	21.64	2.830	17.650	4.520
x730	22.42	3.070	17.890	4.910
W 16x 26	15.69	0.250	5.500	0.345
x 31	15.88	0.275	5.525	0.440
W 16x 36	15.86	0.295	6.985	0.430
x 40	16.01	0.305	6.995	0.505
x 45	16.13	0.345	7.035	0.565
x 50	16.26	0.380	7.070	0.630
x 57	16.43	0.430	7.120	0.715
W 16x 67	16.33	0.395	10.235	0.665
x 77	16.52	0.455	10.295	0.760
x 89	16.75	0.525	10.365	0.875
x100	16.97	0.585	10.425	0.985

WIDE FLANGE BEAMS
ASTM A992

Designation	Depth	Web	Flange	
		Thickness	Width	Thickness
	In.	In.	In.	In.
W 18x 35	17.70	0.300	6.000	0.425
x 40	17.90	0.315	6.015	0.525
x 46	18.06	0.360	6.060	0.605
W 18x 50	17.99	0.355	7.495	0.570
x 55	18.11	0.390	7.530	0.630
x 60	18.24	0.415	7.555	0.695
x 65	18.35	0.450	7.590	0.750
x 71	18.47	0.495	7.635	0.810
W 18x 76	18.21	0.425	11.035	0.680
x 86	18.39	0.480	11.090	0.770
x 97	18.59	0.535	11.145	0.870
x106	18.73	0.590	11.200	0.940
x119	18.97	0.655	11.265	1.060
W 21x 44	20.66	0.350	6.500	0.450
x 50	20.83	0.380	6.530	0.535
x 57	21.06	0.405	6.555	0.650
W 21x 62	20.99	0.400	8.240	0.615
x 68	21.13	0.430	8.270	0.685
x 73	21.24	0.455	8.295	0.740
x 83	21.43	0.515	8.355	0.835
x 93	21.62	0.580	8.420	0.930
W 21x101	21.36	0.500	12.290	0.800
x111	21.51	0.550	12.340	0.875
x122	21.68	0.600	12.390	0.960
x132	21.83	0.650	12.440	1.035
x147	22.06	0.720	12.510	1.150

WIDE FLANGE BEAMS
ASTM A992

Designation	Depth	Web	Flange	
		Thickness	Width	Thickness
	In.	In.	In.	In.
W 24x 55	23.57	0.395	7.005	0.505
x 62	23.74	0.430	7.040	0.590
W 24x 68	23.73	0.415	8.965	0.585
x 76	23.92	0.440	8.990	0.680
x 84	24.10	0.470	9.020	0.770
x 94	24.31	0.515	9.065	0.875
W 24x104	24.06	0.500	12.750	0.750
x117	24.26	0.550	12.800	0.850
x131	24.48	0.605	12.855	0.960
x146	24.74	0.650	12.900	1.090
x162	25.00	0.705	12.955	1.220
W 27x 84	26.71	0.460	9.960	0.640
x 94	26.92	0.490	9.990	0.745
x102	27.09	0.515	10.015	0.830
x114	27.29	0.570	10.070	0.930
W 27x146	27.38	0.605	13.965	0.975
x161	27.59	0.660	14.020	1.080
x178	27.81	0.725	14.085	1.190
W 30x 99	29.65	0.520	10.450	0.670
x108	29.83	0.545	10.475	0.760
x116	30.01	0.565	10.495	0.850
x124	30.17	0.585	10.515	0.930
x132	30.31	0.615	10.545	1.000

WIDE FLANGE BEAMS
ASTM A992

Designation	Depth	Web	Flange	
		Thickness	Width	Thickness
	In.	In.	In.	In.
W 30x173	30.44	0.655	14.985	1.065
x191	30.68	0.710	15.040	1.185
x211	30.94	0.775	15.105	1.315
W 33x118	32.86	0.550	11.480	0.740
x130	33.09	0.580	11.510	0.855
x141	33.30	0.605	11.535	0.960
x152	33.49	0.635	11.565	1.055
W 33x201	33.68	0.715	15.745	1.150
x221	33.93	0.775	15.805	1.275
x241	34.18	0.830	15.860	1.400
W 36x135	35.55	0.600	11.950	0.790
x150	35.85	0.625	11.975	0.940
x160	36.01	0.650	12.000	1.020
x170	36.17	0.680	12.030	1.100
x182	36.33	0.725	12.075	1.180
x194	36.49	0.765	12.115	1.260
x210	36.69	0.830	12.180	1.360
W 36x230	35.90	0.760	16.470	1.260
x245	36.08	0.800	16.510	1.350
x260	36.26	0.840	16.550	1.440
x280	36.52	0.885	16.595	1.570
x300	36.74	0.945	16.655	1.680

MISCELLANEOUS BEAMS
ASTM A36

Designation	Depth	Web	Flange	
		Thickness	Width	Thickness
	In.	In.	In.	In.
M 5x18.9	5.00	0.316	5.003	0.416
M 6x 4.4	6.00	0.114	1.844	0.171
M 8x 6.5	8.00	0.135	2.281	0.189
M 10x 9	10.00	0.157	2.690	0.206
M 12x11.8	12.00	0.177	3.065	0.225

BEARING PILES
ASTM A36

Designation	Depth	Web	Flange	
		Thickness	Width	Thickness
	In.	In.	In.	In.
HP 8x 36	8.02	0.445	8.155	0.445
HP10x 42	9.70	0.415	10.075	0.420
x 57	9.99	0.565	10.225	0.565
HP12x 53	11.78	0.435	12.045	0.435
x 63	11.94	0.515	12.125	0.515
x 74	12.13	0.605	12.215	0.610
x 84	12.28	0.685	12.295	0.685
HP14x 73	13.61	0.505	14.585	0.505
x 89	13.83	0.615	14.695	0.615
x102	14.01	0.705	14.785	0.705
x117	14.21	0.805	14.885	0.805

STANDARD BEAMS
ASTM A36

Designation	Depth	Web Thickness	Flange Width	Flange Thickness
	In.	In.	In.	In.
S 3x 5.7	3.00	0.170	2.330	0.260
x 7.5	3.00	0.349	2.509	0.260
S 4x 7.7	4.00	0.193	2.663	0.293
x 9.5	4.00	0.326	2.796	0.293
S 5x 10	5.00	0.214	3.004	0.326
x 14.75	5.00	0.494	3.284	0.326
S 6x 12.5	6.00	0.232	3.332	0.359
x 17.5	6.00	0.465	3.565	0.359
S 7x 15.3	7.00	0.252	3.662	0.392
x 20	7.00	0.45	3.860	0.392
S 8x 18.4	8.00	0.271	4.001	0.426
x 23	8.00	0.441	4.171	0.426
S 10x 25.4	10.00	0.311	4.661	0.491
x 35	10.00	0.594	4.944	0.491
S 12x 31.8	12.00	0.350	5.000	0.544
x 35	12.00	0.428	5.078	0.544
S 12x 40.8	12.00	0.462	5.252	0.659
x 50	12.00	0.687	5.477	0.659
S 15x 42.9	15.00	0.411	5.501	0.622
x 50	15.00	0.550	5.640	0.622
S 18x 54.7	18.00	0.461	6.001	0.691
x 70	18.00	0.711	6.251	0.691
S 20x 66	20.00	0.505	6.255	0.795
x 75	20.00	0.635	6.385	0.795
S 20x 86	20.30	0.660	7.060	0.920
x 96	20.30	0.800	7.200	0.920
S 24x 80	24.00	0.500	7.000	0.870
x 90	24.00	0.625	7.125	0.870
x100	24.00	0.745	7.245	0.870
S 24x106	24.50	0.620	7.870	1.090
x121	24.50	0.800	8.050	1.090

ANGLES - BAR SIZE

ASTM A36 ASME SA 36

Size In.	Weight Per Foot Lbs.	In Lengths Up To Feet
1/2x 1/2x1/8	.38	20
5/8x 5/8x1/8	.48	20
3/4x 3/4x1/8	.59	20
7/8x 7/8x1/8	.70	20
1 x 5/8x1/8	.64	20
1 x 3/4x1/8	.70	20
1 x1 x1/8	.80	40
x3/16	1.16	40
x1/4	1.49	40
1 1/4x1 1/4x1/8	1.01	40
x3/16	1.48	40
x1/4	1.92	40
1 3/8x 7/8x1/8	.91	20
x3/16	1.32	20
1 1/2x1 1/4x3/16	1.64	20
1 1/2x1 1/2x1/8	1.23	40
x3/16	1.80	40
x1/4	2.34	40
1 3/4x1 1/4x1/8	1.23	40
x3/16	1.80	40
x1/4	2.34	40
1 3/4x1 3/4x1/8	1.44	40
x3/16	2.12	40
x1/4	2.77	40
2 x1 1/4x3/16	1.96	20
x1/4	2.55	20

ANGLES - BAR SIZE

ASTM A36 ASME SA 36

Size In.	Weight Per Foot Lbs.	In Lengths Up To Feet
2 x1½x⅛	1.44	40
x3/16	2.12	40
x¼	2.77	40
2 x2 x⅛	1.65	40
x3/16	2.44	40
x¼	3.19	40
x5/16	3.92	40
x⅜	4.70	40
2¼x1½x3/16	2.28	40
2½x1½x3/16	2.44	40
x¼	3.19	40
x5/16	3.92	40
2½x2 x3/16	2.75	40
x¼	3.62	40
x5/16	4.50	40
x⅜	5.30	40
2½x2½x3/16	3.07	40
x¼	4.10	40
x5/16	5.00	40
x⅜	5.90	40
x½	7.70	40

ANGLES
Equal legs and unequal legs
ASTM A36 ASME SA36
ASTM A709 Gr36

Size and Thickness	Weigh per Foot
In.	Lb.
L3 x2 x3/16	3.07
x1/4	4.1
x5/16	5.0
x3/8	5.9
x1/2	7.7
L3 x2 1/2 x3/16	3.39
x1/4	4.5
x5/16	5.6
x3/8	6.6
x1/2	8.5
L3 x3 x3/16	3.71
x1/4	4.9
x5/16	6.1
x3/8	7.2
x1/2	9.4
L3 1/2 x2 1/2 x1/4	4.9
x5/16	6.1
x3/8	7.2
x1/2	9.4
L3 1/2 x3 x1/4	5.4
x5/16	6.6
x3/8	7.9
x1/2	10.2
L3 1/2 x3 1/2 x1/4	5.8
x5/16	7.2
x3/8	8.5
x1/2	11.1
L4 x3 x1/4	5.8
x5/16	7.2
x3/8	8.5
x1/2	11.1
x5/8	13.6

ANGLES
Equal legs and unequal legs
ASTM A36 ASME SA36
ASTM A709 Gr36

Size and Thickness	Weigh per Foot
In.	Lb.
L 4x3½x¼	6.2
x5/16	7.7
x3/8	9.1
x½	11.9
L 4x4 x¼	6.6
x5/16	8.2
x3/8	9.8
x½	12.8
x5/8	15.7
x¾	18.5
L 5x3 x¼	6.6
x5/16	8.2
x3/8	9.8
x½	12.8
x5/8	15.7
L 5x3½x¼	7.0
x5/16	8.7
x3/8	10.4
x½	13.6
x5/8	16.8
x¾	19.8
L5 x5 x 5/16	10.3
x 3/8	12.3
x ½	16.2
x 5/8	20.0
x ¾	23.6
L6 x3½x 5/16	9.8
x 3/8	11.7
x ½	15.3

ANGLES
Equal legs and unequal legs
ASTM A36 ASME SA36
ASTM A709 Gr36

Size and Thickness	Weigh per Foot
In.	Lb.
L6 x4 x 5/16	10.3
x 3/8	12.3
x 1/2	16.2
x 5/8	20.0
x 3/4	23.6
x 7/8	27.2
L6 x6 x 5/16	12.4
x 3/8	14.9
x 1/2	19.6
x 5/8	24.2
x 3/4	28.7
x 7/8	33.1
x1	37.4
L7x4x 3/8	13.6
x 1/2	17.9
x 5/8	22.1
x 3/4	26.2
L8x4x 1/2	19.6
x 3/4	28.7
x1	37.4
L8x6x 1/2	23.0
x 5/8	28.5
x 3/4	33.8
x 7/8	39.1
x1	44.2
L8x8x 1/2	26.4
x 5/8	32.7
x 3/4	38.9
x 7/8	45.0
x1	51.0

CHANNELS - BAR SIZE
ASTM A36

Size In.	Weigh Per Foot Lbs.
3/4x 3/8 x1/8	.56
1 x 3/8 x1/8	.68
1 x 1/2 x1/8	.84
1 1/4x 1/2 x1/8	1.01
1 1/2x 1/2 x1/8	1.12
1 1/2x 9/16x3/16	1.44
2 x 1/2 x1/8	1.43
2 x 9/16x3/16	1.86
2 x 5/8 x1/4	2.28
2 x1 x1/8	1.78
2 x1 x3/16	2.59
2 1/2x 5/8 x3/16	2.27

CHANNELS
AMERICAN STANDARD — ASTM A36
ASME SA 36 ASTM A709 Gr36

Designation	Depth	Web	Flange	
		Thickness	Width	Thickness
	In.	In.	In.	In.
C 3x 4.1	3.00	0.170	1.410	0.273
x 5	3.00	0.258	1.498	0.273
x 6	3.00	0.356	1.596	0.273
C 4x 5.4	4.00	0.184	1.584	0.296
x 7.25	4.00	0.321	1.721	0.296
C 5x 6.7	5.00	0.190	1.750	0.320
x 9	5.00	0.325	1.885	0.320
C 6x 8.2	6.00	0.200	1.920	0.343
x10.5	6.00	0.314	2.034	0.343
x13	6.00	0.437	2.157	0.343
C 7x 9.8	7.00	0.210	2.090	0.366
x12.25	7.00	0.314	2.194	0.366
x14.75	7.00	0.419	2.299	0.366
C 8x11.5	8.00	0.220	2.260	0.390
x13.75	8.00	0.303	2.343	0.390
x18.75	8.00	0.487	2.527	0.390
C 9x13.4	9.00	0.233	2.433	0.413
x15	9.00	0.285	2.485	0.413
x20	9.00	0.448	2.648	0.413
C10x15.3	10.00	0.240	2.600	0.436
x20	10.00	0.379	2.739	0.436
x25	10.00	0.526	2.886	0.436
x30	10.00	0.673	3.033	0.436
C12x20.7	12.00	0.282	2.942	0.501
x25	12.00	0.387	3.047	0.501
x30	12.00	0.510	3.170	0.501
C15x33.9	15.00	0.400	3.400	0.650
x40	15.00	0.520	3.520	0.650
x50	15.00	0.716	3.716	0.650

CHANNELS

MISCELLANEOUS

ASTM A36

ASME SA 36 ASTM A709 Gr36

Designation	Depth	Web	Flange	
		Thickness	Width	Thickness
	In.	In.	In.	In.
MC 3x7.1	3.00	0.313	1.94	0.351
MC 4x13.8	4.00	0.500	2.50	0.500
MC 6x12	6.00	0.310	2.497	0.375
MC 6x15.1	6.00	0.316	2.941	0.475
x16.3	6.00	0.375	3.000	0.475
MC 6x15.3	6.00	0.340	3.500	0.385
x18	6.00	0.379	3.504	0.475
MC 7x19.1	7.00	0.352	3.452	0.500
x22.7	7.00	0.503	3.603	0.500
MC 8x 8.5	8.00	0.179	1.874	0.311
MC 8x18.7	8.00	0.353	2.978	0.500
x20	8.00	0.400	3.025	0.500
MC 8x21.4	8.00	0.375	3.450	0.525
x22.8	8.00	0.427	3.502	0.525
MC 9x23.9	9.00	0.400	3.450	0.550
x25.4	9.00	0.450	3.500	0.550

CHANNELS

MISCELLANEOUS

ASTM A36

ASME SA 36 ASTM A709 Gr36

Designation	Depth	Web	Flange	
		Thickness	Width	Thickness
	In.	In.	In.	In.
MC10x 6.5	10.00	0.152	1.127	0.202
MC10x 8.4	10.00	0.170	1.500	0.280
MC10x22	10.00	0.290	3.315	0.575
x25	10.00	0.380	3.405	0.575
MC10x28.5	10.00	0.425	3.950	0.575
x33.6	10.00	0.575	4.100	0.575
x41.1	10.00	0.796	4.321	0.575
MC12x10.6	12.00	0.190	1.500	0.309
MC12x31	12.00	0.370	3.670	0.700
MC12x35	12.00	0.465	3.765	0.700
x40	12.00	0.590	3.890	0.700
x45	12.00	0.710	4.010	0.700
x50	12.00	0.835	4.135	0.700
MC13x31.8	13.00	0.375	4.000	0.610
x35	13.00	0.447	4.072	0.610
x40	13.00	0.560	4.185	0.610
x50	13.00	0.787	4.412	0.610
MC18x42.7	18.00	0.450	3.950	0.625
x45.8	18.00	0.500	4.000	0.625
x51.9	18.00	0.600	4.100	0.625
x58	18.00	0.700	4.200	0.625

TEES — BAR SIZE
ASTM A36

Size In.	Weight Per Foot Lbs.	In Lengths Up To Feet
1½x1½x3/16	1.90	20
x¼	2.43	20
2 x2 x¼	3.62	20
2½x2½x¼	4.60	20

Structural Tees
Split From Wide Flange Beams
Are Available Upon Request

CARBON STEEL

PLATES HOT ROLLED

ASTM A36; ASTM A529 Gr55; Pressure Vessel Quality; ASTM A242; ASTM A572 Grade 50; ASTM A588; Abrasion Resisting; ASTM A514

Size in Inches	Wt. per Sq. Ft. in Lbs.
3/16 x 48	7.66
60	7.66
72	7.66
84	7.66
96	7.66
120	7.66
1/4 x 9	10.21
10	10.21
12	10.21
14	10.21
18	10.21
48	10.21
60	10.21
72	10.21
84	10.21
96	10.21
120	10.21
5/16 x 48	12.76
72	12.76
84	12.76
96	12.76
120	12.76
3/8 x 9	15.32
10	15.32
11	15.32
3/8 x 12	15.32
48	15.32
60	15.32
72	15.32
84	15.32
96	15.32
120	15.32
7/16 x 84	17.87
96	17.87
1/2 x 9	20.42
10	20.42
12	20.42
48	20.42
60	20.42
72	20.42
84	20.42
86	20.42
90	20.42
96	20.42
120	20.42
9/16 x 84	22.98
96	22.98
5/8 x 10	25.53
12	25.53
48	25.53
60	25.53
72	25.53
84	25.53
96	25.53
120	25.53
3/4 x 9	30.63
10	30.63
12	30.63
48	30.63
60	30.63
72	30.63
84	30.63
96	30.63
120	30.63
7/8 x 84	35.74
96	35.74
1 x 9	40.84
10	40.84
12	40.84
48	40.84
60	40.84
72	40.84
84	40.84
90	40.84
96	40.84

CARBON STEEL

PLATES HOT ROLLED

ASTM A36; ASTM A529 Gr55; Pressure Vessel Quality; ASTM A242; ASTM A572 Grade 50; ASTM A588; Abrasion Resisting; ASTM A514

Size in Inches	Wt. per Sq. Ft. in Lbs.
1⅛ x 60	45.95
90	45.95
96	45.95
1¼ x 48	51.05
60	51.05
72	51.05
84	51.05
90	51.05
96	51.05
1⅜ x 72	56.16
84	56.16
90	56.16
96	56.16
1½ x 12	61.26
60	61.26
72	61.26
84	61.26
90	61.26
96	61.26
1⅝ x 72	66.37
84	66.37
96	66.37
1¾ x 84	71.47
96	71.47
2 x 84	81.68
96	81.68
2¼ x 72	91.89
84	91.89
96	91.89
2½ x 72	102.1
84	102.1
96	102.1
2¾ x 72	112.31
84	112.31
96	112.31
3 x 60	122.52
72	122.52
96	122.52
3¼ x 72	132.73
84	132.73
3½ x 72	142.94
84	142.94
96	142.94
3¾ x 84	153.15
4 x 84	163.36
96	163.36
4½ x 72	183.78
84	183.78
5 x 72	204.2
84	204.2
5½ x 72	224.62
6 x 60	245.04
84	245.04
6½ x 60	265.46
84	265.46
7 x 60	285.88
84	285.88
8 x 60	326.72
84	326.72
10 x 60	408.4
72	408.4
12 x 60	490.08

HOT ROLLED STEEL FLOOR PLATES

ASTM A786

All sizes available in Medium Pattern, 96'' wide,

‡Thickness exclusive of projecting lugs.

‡Nom. Ga. or Size in Inches	Weight per Ft. in Lbs.	Wt. per Sq. Ft. in Lbs.
16 x 48	12.00	3.00
14 x 48	15.00	3.75
x 60	18.75	3.75
12 x 48	21.00	5.25
x 60	26.25	5.25
1/8 x 48	24.64	6.16
x 60	30.80	6.16
x 72	36.96	6.16
3/16 x 48	34.84	8.71
x 60	43.55	8.71
x 72	52.26	8.71
x 96	69.68	8.71
1/4 x 48	45.04	11.26
x 60	56.30	11.26
x 72	67.56	11.26
x 96	90.08	11.26

‡Nom. Ga. or Size in Inches	Weight per Ft. in Lbs.	Wt. per Sq. Ft. in Lbs.
5/16 x 48	55.24	13.81
x 60	69.05	13.81
x 72	82.86	13.81
x 96	110.5	13.81
3/8 x 48	65.48	16.37
x 60	81.85	16.37
x 72	98.22	16.37
x 96	131.0	16.37
1/2 x 60	107.4	21.47
x 72	128.8	21.47
x 96	171.8	21.47
5/8 x 60	132.9	26.58
x 72	159.5	26.58
x 96	212.64	26.58
3/4 x 60	158.4	31.68
x 72	190.1	31.68
x 96	253.44	31.68
1 x 72	251.3	41.89
x 96	335.12	41.89

HOT ROLLED SHEETS

Commercial Steel ASTM A1011 CS

Nominal Gauge	Theoretical Wt. Per Sq. Ft.	Nominal Gauge	Theoretical Wt. Per Sq. Ft.
7 GA.	7.5 Lbs.	12 GA.	4.375 Lbs.
10 GA.	5.625 Lbs.	14 GA.	3.125 Lbs.
11 GA.	5.0 Lbs.	16 GA.	2.5 Lbs.

Size (Inches)	Weight Per Sheet
7GAx48x 96	240.0 (Lbs.)
x48x120	300.0
x48x144	360.0
x48x240	600.0
x60x120	375.0
x60x240	750.0
x72x120	450.0
x72x144	540.0
x72x240	900.0
10GAx48x 96	180.0 (Lbs.)
x48x120	225.0
x48x144	270.0
x60x120	281.3
x72x120	337.5
x72x144	405.0
x72x240	675.0
11GAx48x 96	160.0 (Lbs.)
x48x120	200.0
x48x144	240.0
x60x120	250.0
x72x120	300.0
x72x144	360.0
x72x240	600.0

Size (Inches)	Weight Per Sheet
12GAx48x 96	140.0 (Lbs.)
x48x120	175.0
x48x144	210.0
x60x120	218.8
x72x120	262.5
x72x144	315.0
x72x240	525.0
14GAx48x 96	100.0 (Lbs.)
x48x120	125.0
x48x144	150.0
x60x120	156.25
x60x144	187.5
x72x120	187.5
x72x144	225.0
16GAx48x120	100.0 (Lbs.)
x48x144	120.0
x60x 96	100.0
x60x120	125.0
x60x144	150.0

COLD ROLLED SHEETS

ASTM A1008 CS

Ga. or Decimal	Size In Inches	Decimal In Inches	Est. Wt. per Sq. Ft. In Lbs.
10	36x 96	.1345	5.63
	36x120	.1345	5.63
	48x 96	.1345	5.63
	48x120	.1345	5.63
11	36x 96	.1196	5.00
	36x120	.1196	5.00
	48x 96	.1196	5.00
	48x120	.1196	5.00
	48x144	.1196	5.00
	60x120	.1196	5.00
12	36x 96	.1046	4.38
	36x120	.1046	4.38
	42x120	.1046	4.38
	48x 96	.1046	4.38
	48x120	.1046	4.38
	60x 96	.1046	4.38
	60x120	.1046	4.38
	60x144	.1046	4.38
13	36x 96	.0897	3.75
	36x120	.0897	3.75
	48x 96	.0897	3.75
	48x120	.0897	3.75
14	30x 96	.0747	3.13
	36x 96	.0747	3.13
	36x120	.0747	3.13
14	36x144	.0747	3.13
	48x 96	.0747	3.13
	48x120	.0747	3.13
	48x144	.0747	3.13
	60x 96	.0747	3.13
	60x120	.0747	3.13
	60x144	.0747	3.13
16	30x 96	.0598	2.50
	36x 96	.0598	2.50
	36x120	.0598	2.50
	36x144	.0598	2.50
	42x120	.0598	2.50
	48x 60	.0598	2.50
	48x 96	.0598	2.50
	48x120	.0598	2.50
	48x144	.0598	2.50
	60x 96	.0598	2.50
	60x120	.0598	2.50
	60x144	.0598	2.50
	72x120	.0598	2.50
	72x144	.0598	2.50
18	36x 96	.0478	2.00
	36x120	.0478	2.00
	36x144	.0478	2.00
	48x 96	.0478	2.00
	48x120	.0478	2.00

COLD ROLLED SHEETS

ASTM A1008 CS

Ga. or Decimal	Size In Inches	Decimal In Inches	Est. Wt. per Sq. Ft. In Lbs.
18	48x144	.0478	2.00
	60x 96	.0478	2.00
	60x120	.0478	2.00
20	30x 96	.0359	1.50
	30x120	.0359	1.50
	30x144	.0359	1.50
	36x 96	.0359	1.50
	36x120	.0359	1.50
	36x144	.0359	1.50
	48x 96	.0359	1.50
	48x120	.0359	1.50
	48x144	.0359	1.50
	60x120	.0359	1.50
	60x144	.0359	1.50
22	36x 96	.0299	1.25
	36x120	.0299	1.25
	48x 96	.0299	1.25
	48x120	.0299	1.25
	60x120	.0299	1.25
24	36x 96	.0239	1.00
	36x120	.0239	1.00
	48x 96	.0239	1.00
	48x120	.0239	1.00
26	36x 96	.0179	.750
	36x120	.0179	.750
	48x 96	.0179	.750
	48x120	.0179	.750
28	36x 96	.0179	.750

GALVANIZED SHEETS

ASTM A653 CS

Ga. or Decimal	Size In Inches	Decimal In Inches	Est. Wt. per Sq. Ft. In Lbs.	Ga. or Decimal	Size In Inches	Decimal In Inches	Est. Wt. per Sq. Ft. In Lbs.
10	36x120	.1382	5.78	18	36x 96	.0516	2.16
	48x 96	.1382	5.78		36x120	.0516	2.16
	48x120	.1382	5.78		48x 96	.0516	2.16
	48x144	.1382	5.78		48x120	.0516	2.16
	60x120	.1382	5.78		48x144	.0516	2.16
11	48x 96	.1233	5.16		60x120	.0516	2.16
	48x120	.1233	5.16	20	36x 96	.0396	1.66
12	36x 96	.1084	4.53		36x120	.0396	1.66
	36x120	.1084	4.53		36x144	.0396	1.66
	48x 96	.1084	4.53		48x 96	.0396	1.66
	48x120	.1084	4.53		48x120	.0396	1.66
	48x144	.1084	4.53	22	36x 96	.0336	1.41
	60x120	.1084	4.53		36x120	.0336	1.41
	60x144	.1084	4.53		48x 96	.0336	1.41
14	36x 96	.0785	3.28		48x120	.0336	1.41
	36x120	.0785	3.28	24	36x 96	.0276	1.16
	48x 96	.0785	3.28		36x120	.0276	1.16
	48x120	.0785	3.28		36x144	.0276	1.16
	48x144	.0785	3.28		48x 96	.0276	1.16
	60x120	.0785	3.28		48x120	.0276	1.16
	60x144	.0785	3.28	26	30x 96	.0217	.906
16	36x 96	.0635	2.66		36x 96	.0217	.906
	36x120	.0635	2.66		36x120	.0217	.906
	48x 96	.0635	2.66		48x 96	.0217	.906
	48x120	.0635	2.66		48x120	.0217	.906
	48x136	.0635	2.66	28	36x 96	.0187	.781
	48x144	.0635	2.66		36x120	.0187	.781
	60x120	.0635	2.66		48x 96	.0187	.781
	60x144	.0635	2.66		48x120	.0187	.781
				30	36x 96	.0157	.656
					36x120	.0157	.656

EXPANDED METAL

Long way of diamond runs parallel to length of sheet.

Sizes in Stock

Style Designation	Width in Inches	Length in Inches	Est. Wt. per Sq. Ft. in Lbs.	Est. Wt. per Sheet in Lbs.
STANDARD				
¼ No. 18	48	96	1.14	36.48
½ No. 18	48	96	0.70	22.40
½ No. 18	72	96	0.70	33.60
½ No. 16	48	96	0.86	27.52
½ No. 13	48	96	1.47	47.04
¾ No. 16	48	96	0.54	17.28
¾ No. 16	72	96	0.54	17.28
¾ No. 13	48	96	0.80	25.60
¾ No. 13	48	120	0.80	32.00
¾ No. 13	72	96	0.80	38.40
¾ No. 10	48	96	1.20	38.40
¾ No. 9	48	96	1.80	57.60
¾ No. 9	48	120	1.80	72.00
1½ No. 13	48	96	0.60	19.20
1½ No. 13	48	120	0.60	24.00
1½ No. 13	72	96	0.60	28.80
1½ No. 10	48	96	0.79	25.28
1½ No. 10	72	96	0.79	37.92
1½ No. 9	48	96	1.20	38.40
1½ No. 9	48	120	1.20	48.00
1½ No. 9	72	96	1.20	57.60
1½ No. 6	48	96	2.50	80.00
FLATTENED				
¼ No. 20	48	96	0.82	26.24
¼ No. 18	48	96	1.08	34.56
½ No. 20	48	96	0.40	12.80
½ No. 18	36	96	0.66	15.84
½ No. 18	48	96	0.66	21.12

EXPANDED METAL

Long way of diamond runs parallel to length of sheet.

Sizes in Stock				
Style Designation	Width in Inches	Length in Inches	Est. Wt. per Sq. Ft. in Lbs.	Est. Wt. per Sheet in Lbs.
FLATTENED				
½ No. 16	36	96	0.82	19.68
½ No. 16	36	120	0.82	24.60
½ No. 16	48	96	0.82	26.24
½ No. 16	48	120	0.82	32.80
½ No. 13	48	96	1.40	44.80
½ No. 13	48	120	1.40	56.00
¾ No. 16	36	96	0.51	12.24
¾ No. 16	48	96	0.51	16.32
¾ No. 14	36	96	0.63	15.12
¾ No. 14	36	120	0.63	18.90
¾ No. 14	48	96	0.63	20.16
¾ No. 14	48	120	0.63	25.20
¾ No. 13	36	120	0.75	22.50
¾ No. 13	48	96	0.75	24.00
¾ No. 13	48	120	0.75	30.00
¾ No. 13	72	120	0.75	45.00
¾ No. 9	36	96	1.71	41.04
¾ No. 9	36	120	1.71	51.30
¾ No. 9	48	96	1.71	54.72
¾ No. 9	48	120	1.71	68.40
¾ No. 9	72	120	1.71	102.60
1½ No. 16	48	96	0.38	12.16
1½ No. 14	48	96	0.46	14.72
1½ No. 13	48	96	0.57	18.24
1½ No. 9	36	96	1.14	27.36
1½ No. 9	36	120	1.14	34.20
1½ No. 9	48	96	1.14	36.48
1½ No. 9	48	120	1.14	45.60

EXPANDED METAL GRATING
Sizes in Stock/Lengths

Size in Inches	Weight per Sq. Ft. in Lbs.	Size in Inches	Weight per Sq. Ft. in Lbs.
3.0 x48	3.000	4.27x48	4.270
72	3.000	72	4.270
3.14x48	3.140	5.0 x48	5.000
72	3.140	60	5.000
4.0 x24	4.000	72	5.000
48	4.000	6.25x48	6.250
60	4.000	72	6.250
72	4.000		

WELDED STEEL GRATING

WEIGHT IN LBS. PER SQ. FT.

Bearing Bars	Cross Bars	Type W194	Type W192	Type W154	Type W152
3/4 x 1/8	1/4	3.99	4.63	4.95	5.59
3/4 x 3/16	1/4	5.67	6.31	7.11	7.75
1 x 1/8	1/4	5.15	5.79	6.44	7.08
1 x 3/16	1/4	7.35	7.99	9.27	9.91
1 1/4 x 1/8	1/4	6.20	6.84	7.79	8.43
1 1/4 x 3/16	1/4	9.03	9.67	11.43	12.07
1 1/2 x 1/8	1/4	7.35	7.99	9.27	9.91
1 1/2 x 3/16	5/16	10.94	11.80	13.82	14.68
1 3/4 x 3/16	5/16	12.62	13.48	15.98	16.84
2 x 3/16	5/16	14.30	15.16	18.14	19.00
2 1/4 x 3/16	5/16	15.87	16.74	20.16	21.03

DECK SPAN® AND GRIP STRUT®

Sizes in Stock

Stock Lengths: 10 and 12 Ft.

Gauge x Width x Length	Weight per Lineal Ft. in Lbs.
14Ga x 4¾ x 1½	2.300
14Ga x 7 x 1½	3.000
14Ga x 9½ x 1½	3.600
14Ga x 11¾ x 1½	4.200
14Ga x 18¾ x 1½	6.100
.080 x 4¾ x 2	.900
.080 x 7 x 2	1.200
.080 x 9½ x 2	1.400
.080 x 11¾ x 2	1.600
12Ga x 4¾ x 1½	3.200
12Ga x 7 x 1½	4.100
12Ga x 9½ x 1½	5.000
12Ga x 11¾ x 1½	5.900
12Ga x 18¾ x 1½	8.500

HOT ROLLED STRIP-COMMERCIAL QUALITY

ASTM A1011

CARBON STRIP – HOT ROLLED

ASTM A1011 OR COMMERCIAL QUALITY — LOW CARBON

STOCK LENGTHS: 20'

Size in Inches	Weight Per Foot Pounds	Size in Inches	Weight Per Foot Pounds
1/8 x 1/2	0.213	3/16 x 1/2	0.319
5/8	0.266	5/8	0.398
3/4	0.319	3/4	0.478
7/8	0.372	7/8	0.558
1	0.425	1	0.638
1 1/4	0.531	1 1/4	0.797
1 1/2	0.638	1 1/2	0.956
1 3/4	0.744	1 3/4	1.120
2	0.850	2	1.280
2 1/4	0.956	2 1/4	1.430
2 1/2	1.063	2 1/2	1.590
3	1.275	3	1.910
3 1/2	1.490	3 1/2	2.230
4	1.700	4	2.550
5	2.130	5	3.190
6	2.550	6	3.830
		8	5.100

HOT ROLLED CARBON STEEL BARS

Flat bars, Round bars, and Square bars are available to ASTM A36 specifications.

CARBON FLAT BARS — HOT ROLLED

STOCK LENGTHS: 20'

Size in Inches	Weight Per Foot Pounds	Size in Inches	Weight Per Foot Pounds
1/4 x 1/2	0.425	5/16 x 2 1/2	2.660
5/8	0.531	3	3.190
3/4	0.638	3 1/2	3.720
1	0.850	4	4.250
1 1/4	1.060	5	5.310
1 1/2	1.280	5 1/2	5.840
1 3/4	1.490	6	6.380
2	1.700	3/8 x 3/4	0.956
2 1/4	1.910	1	1.280
2 1/2	2.130	1 1/4	1.590
3	2.550	1 1/2	1.910
3 1/2	2.980	1 3/4	2.230
4	3.400	2	2.550
4 1/2	3.830	2 1/4	2.870
5	4.250	2 1/2	3.190
5 1/2	4.680	2 3/4	3.510
6	5.100	3	3.830
7	5.950	3 1/2	4.460
8	6.800	4	5.100
5/16 x 1	1.060	4 1/2	5.740
1 1/4	1.330	5	6.380
1 1/2	1.590	6	7.650
1 3/4	1.860	7	8.930
2	2.130	8	10.200
2 1/4	2.390		

CARBON FLAT BARS — HOT ROLLED
STOCK LENGTHS: 20'

Size in Inches	Weight Per Foot Pounds	Size in Inches	Weight Per Foot Pounds
½ x ¾	1.28	⅝ x 7	14.88
1	1.70	8	17.00
1¼	2.13	¾ x 1	2.55
1½	2.55	1¼	3.19
1¾	2.98	1½	3.83
2	3.40	1¾	4.46
2¼	3.83	2	5.10
2½	4.25	2½	6.38
3	5.10	3	7.65
3½	5.95	3½	8.93
4	6.80	4	10.20
4½	7.65	4½	11.48
5	8.50	5	12.75
5½	9.35	6	15.30
6	10.20	7	17.85
7	11.90	8	20.40
8	13.60	⅞ x 1½	4.46
⅝ x 1	2.13	2	5.95
1½	3.19	2½	7.44
1¾	3.72	3	8.93
2	4.25	4	11.90
2½	5.31	5	14.88
2¾	5.84	6	17.85
3	6.38	8	23.80
3½	7.44	1 x 1¼	4.25
4	8.50	1½	5.10
4½	9.56	1¾	5.95
5	10.63	2	6.80
6	12.75	2½	8.50
		3	10.20

CARBON FLAT BARS — HOT ROLLED
STOCK LENGTHS: 20'

Size in Inches	Weight Per Foot Pounds	Size in Inches	Weight Per Foot Pounds
1 x 3½	11.90	1½ x 2	10.20
4	13.60	2½	12.75
4½	15.30	3	15.30
5	17.00	4	20.40
6	20.40	5	25.50
7	23.80	6	30.60
8	27.20	8	40.80
1¼ x 1½	6.38	1¾ x 2	11.90
2	8.50	4	23.80
2½	10.63	2 x 2½	17.00
3	12.75	3	20.40
3½	14.88	4	27.20
4	17.00	5	34.00
5	21.25	6	40.80
6	25.50	8	54.40
8	34.00		

CARBON ROUND BARS — HOT ROLLED
STOCK LENGTHS: 20'
INDUSTRIAL QUALITY AND ASTM A36

Size in Inches	Weight Per Foot Pounds	Size in Inches	Weight Per Foot Pounds
1/4"	.167	2 3/4"	20.19
5/16"	.261	2 7/8"	22.07
3/8"	.376	3"	24.03
7/16"	.511	3 1/4"	28.21
1/2"	.668	3 1/2"	32.71
9/16"	.845	3 3/4"	37.55
5/8"	1.040	4"	42.73
3/4"	1.500	4 1/4"	48.23
7/8"	2.040	4 1/2"	54.08
1"	2.670	4 3/4"	60.25
1 1/8"	3.380	5"	66.76
1 1/4"	4.170	5 1/4"	73.60
1 3/8"	5.050	5 1/2"	80.78
1 1/2"	6.010	5 3/4"	88.29
1 5/8"	7.050	6"	96.13
1 3/4"	8.180	6 1/4"	104.31
1 7/8"	9.390	6 1/2"	112.80
2"	10.680	7"	130.90
2 1/8"	12.060	7 1/2"	150.20
2 1/4"	13.520	8"	170.90
2 3/8"	15.060	9"	216.30
2 1/2"	16.690	9 1/4"	228.48
		9 1/2"	241.00

CARBON SQUARE BARS — HOT ROLLED

STOCK LENGTHS: 20'

Size in Inches	Weight Per Foot Pounds	Size in Inches	Weight Per Foot Pounds
1/4"	.213	1 1/2"	7.65
5/16"	.332	1 3/4"	10.41
3/8"	.478	2"	13.60
7/16"	.651	2 1/4"	17.21
1/2"	.850	2 1/2"	21.25
5/8"	1.330	3"	30.60
3/4"	1.910	3 1/2"	41.65
7/8"	2.600	4"	54.40
1"	3.400	5"	85.00
1 1/8"	4.300	5 1/2"	102.90
1 1/4"	5.310	6"	122.40

CONCRETE REINFORCING BARS

ASTM A615 Grade 40 and Grade 60

STOCK LENGTHS: 20'

No.	Size in Inches	Weight Per Foot Pounds
3	3/8	0.376
4	1/2	0.668
5	5/8	1.043
6	3/4	1.502
7	7/8	2.044
8	1	2.670

MEDIUM CARBON ALLOY BARS

AISI 4140 — Suitable for heavy duty service, this steel has high hardenability and good fatigue, abrasion, and impact resistance. It is a medium carbon, chromium-molybdenum alloy steel intended for use in severe stress conditions. It is not subject to temper embrittlement even after long exposure to high temperatures.

AISI 4150 (Tufloy) — This is a quenched and tempered, medium carbon, chromium-molybdenum alloy steel. The chromium provides good hardness penetration, while the molybdenum adds uniformity of hardness and high strength. This grade is suitable for forging. Ease of machinability is increased when heat treated. This grade is frequently used because of such features as high strength and wear resistance, toughness, ductility, and stress resistance at high temperatures.

AISI 4340 — A nickel-chromium-molybdenum alloy steel possessing higher strength than 4140 or 4150. This grade provides much deeper hardenabilty which insures maximum toughness and ductility at the desired strength level. It is intended for manufacturing highly stressed parts such as heavy duty shafting, axles, dies, gears, drilling equipment and tools.

HOT ROLLED ALLOY ROUNDS

Size In Inches	Weight Per Foot	Grade and Lengths in Stock			
		4140 QT. SR. MS	4150 (TUFLOY) RES. QT. SR. MS	4340 ANNEALED	8620
3/8"	.376	20'	20'		
1/2"	.668	20'	20'		20'
9/16"	.846	20'	20'		
5/8"	1.044	20'	20'		20'
11/16"	1.263	20'	20'	20'	20'
3/4"	1.504	20'	20'	20'	20'
7/8"	2.046	20'	20'	20'	20'
1"	2.673	20'	20'	20'	20'
1 1/16"	3.017				20'
1 1/8"	3.383	20'	20'	20'	20'
1 1/4"	4.176	20'	20'	20'	20'
1 5/16"	4.604	20'	20'	20'	20'
1 3/8"	5.053	20'	20'	20'	20'
1 7/16"	5.523	20'	20'	20'	20'
1 1/2"	6.014	20'	20'	20'	20'
1 5/8"	7.058	20'	20'	20'	20'
1 3/4"	8.186	20'	20'	20'	20'
1 7/8"	9.397	20'	20'	20'	20'
2"	10.69	20'	20'	20'	20'
2 1/8"	12.07	20'	20'	20'	20'
2 1/4"	13.53	20'	20'	20'	20'
2 3/8"	15.08	20'	20'	20'	20'
2 1/2"	16.71	20'	20'	20'	20'
2 5/8"	18.42	20'	20'	20'	20'
2 3/4"	20.21	20'	20'	20'	20'
2 7/8"	22.09	20'	20'	20'	20'
3"	24.06	20'	20'	20'	20'
3 1/8"	26.10	20'	20'	20'	20'
3 1/4"	28.23	20'	20'	20'	20'
3 3/8"	30.45	20'	20'	20'	20'
3 1/2"	32.74	20'	20'	20'	20'
3 5/8"	35.12	20'	20'	20'	20'

HOT ROLLED ALLOY ROUNDS (continued)

Size In Inches	Weight Per Foot	Grade and Lengths in Stock			
		4140 QT. SR, MS	4150 (TUFLOY) RES, QT, SR, MS	4340 ANNEALED	8620
3¾"	37.59	20'	20'	20'	20'
3⅞"	40.14	20'	20'		20'
4"	42.77	20'	20'	20'	20'
4⅛"	45.48	20'	20'		
4¼"	48.28	20'	20'	20'	20'
4½"	54.13	20'	20'	20'	20'
4⅝"	57.18	20'	20'		20'
4¾"	60.31	20'	20'	20'	20'
5"	66.82	20'	20'	20'	20'
5⅛"	70.21	20'	20'		20'
5¼"	73.67	20'	20'	20'	20'
5⅜"	77.22	20'	20'		
5½"	80.86	20'	20'	20'	20'
5¾"	88.37	20'	20'	20'	20'
6"	96.22	20'	20'	20'	20'
6¼"	104.4	20'	20'	20'	20'
6½"	112.9	20'	20'	20'	20'
6¾"	121.8	20'	20'	20'	20'
7"	131.0	20'	20'	20'	20'
7¼"	140.5	20'	20'	20'	20'
7½"	150.4	20'	20'	20'	20'
7¾"	160.5	20'	20'	20'	20'
8"	171.1	20'	20'	20'	20'
8¼"	181.9	20'	20'	20'	20'
8½"	193.1	20'	20'	20'	20'
8¾"	204.6	20'	20'	20'	20'
9"	216.5	20'	20'	20'	20'
9¼"	228.7	20'	20'	20'	20'
9½"	241.2	20'	20'	20'	20'
9¾"	254.1	20'	20'	20'	20'
10"	267.3	20'	20'	20'	20'
10¼"	280.8	20'	20'		

HOT ROLLED ALLOY ROUNDS (continued)

Size In Inches	Weight Per Foot	Grade and Lengths in Stock			
		4140 QT. SR, MS	4150 (TUFLOY) RES, QT, SR, MS	4340 ANNEALED	8620
10½"	294.7	20'	20'	20'	20'
11"	323.4	20'	20'	20'	20'
11½"	353.5	20'	20'	20'	20'
12"	384.9	20'	20'	20'	20'

COLD FINISHED CARBON ROUNDS

Size in Inches	Weight Per Foot	Grade and Lengths in Stock				
		C1018	C1045	C12L14	ASTM A311 B	C1144
1/8"	.042	20'				
3/16"	.094	20'				
1/4"	.167	20'	20'		12'	
5/16"	.261	20'		12'	12'	
3/8"	.376	20'	20'	12'	12'	
7/16"	.511	20'		12'	12'	
1/2"	.668	20'	20'	12'	12'	20'
9/16"	.845	20'		12'		20'
5/8"	1.040	20'	20'	12'	12'	20'
11/16"	1.260	20'				20'
3/4"	1.500	20'	20'	12'	12'	20'
13/16"	1.760	20'		12'		
7/8"	2.040	20'	20'	12'	12'	20'
15/16"	2.350	20'	20'	12'	12'	
1"	2.670	20'	20'	12'	12'	20'
1 1/16"	3.010	20'			12'	
1 1/8"	3.380	20'	20'	12'	12'	20'
1 3/16"	3.770	20'	20'	12'	12'	20'
1 1/4"	4.170	20'	20'	12'	12'	20'
1 5/16"	4.600	20'		12'		20'
1 3/8"	5.050	20'	20'	12'	12'	20'
1 7/16"	5.520	20'	20'	12'	12'	20'
1 1/2"	6.010	20'	20'	12'	12'	20'
1 9/16"	6.520	20'				
1 5/8"	7.050	20'	20'	12'	12'	20'
1 11/16"	7.600	20'	20'			20'
1 3/4"	8.180	20'	20'	12'	12'	20'
1 13/16"	8.770	20'			12'	
1 7/8"	9.390	20'	20'		12'	20'
1 15/16"	10.020	20'	20'	12'	12'	20'
2"	10.680	20'	20'	12'	12'	20'

COLD FINISHED CARBON ROUNDS (continued)

Size in Inches	Weight Per Foot	Grade and Lengths in Stock				
		C1018	C1045	C12L14	ASTM A311 B	C1144
2 1/16"	11.360	20'				
2 1/8"	12.060	20'			12'	20'
2 3/16"	12.780	20'	20'		12'	20'
2 1/4"	13.520	20'	20'	12'	12'	20'
2 5/16"	14.280	20'				
2 3/8"	15.060	20'	20'		12'	20'
2 7/16"	15.870	20'	20'		12'	20'
2 1/2"	16.690	20'	20'	12'	12'	20'
2 9/16"	17.530	20'				
2 5/8"	18.400	20'		12'		20'
2 11/16"	19.290	20'				
2 3/4"	20.200	20'	20'	12'	12'	20'
2 13/16"	21.120	20'				
2 7/8"	22.070	20'			12'	
2 15/16"	23.040	20'	20'		12'	20'
3"	24.030	20'	20'	12'	12'	20'
3 1/8"	26.080	20'				
3 3/16"	27.130	20'	20'			
3 1/4"	28.210	20'		12'	12'	20'
3 5/16"	29.300	20'	20'			
3 3/8"	30.420	20'			12'	20'
3 7/16"	31.550	20'	20'		12'	20'
3 1/2"	32.710	20'	20'	12'	12'	20'
3 9/16"	33.890	20'				
3 5/8"	35.090	20'		12'		
3 11/16"	36.310	20'				
3 3/4"	37.550	20'		12'	12'	20'
3 13/16"	38.810	20'				
3 7/8"	40.100	20'				
3 15/16"	41.400	20'	20'		12'	20'
4"	42.730	20'	20'	12'	12'	20'

COLD FINISHED CARBON ROUNDS (continued)

Size in Inches	Weight Per Foot	Grade and Lengths in Stock				
		C1018	C1045	C12L14	ASTM A311 B	C1144
4 3/16"	46.830	20'				
4 1/4"	48.230	20'			12'	20'
4 5/16"	49.660	20'				
4 3/8"	51.120	20'				
4 7/16"	52.580	20'	20'			
4 1/2"	54.080	20'	20'	12'	12'	20'
4 3/4"	60.250	20'	20'			
4 15/16"	65.100	20'	20'			
5"	66.760	20'	20'	12'		
5 5/16"	75.360	20'				
5 7/16"	78.950	20'	20'			
5 1/2"	80.780	20'		12'		
5 15/16"	94.140	20'	20'			
6"	96.130	20'	20'	12'		
6 1/2"	112.820	20'		12'		
7"	130.850	10'-12'	20'			
7 1/4"	140.400	12'-24'				
7 1/2"	150.200	10'-12'				
8"	170.900	12'		12'		
8 1/2"	192.900	24'				
9"	216.300	20'				
10"	267.000	12'				
12"	384.500	12'				

COLD FINISHED CARBON FLATS
AISI C-1018

Size in Inches	Weight Per Foot Pounds	Stock Lengths Feet
1/8 x 1/4	.106	10'-12'
5/16	.133	10'-12'
3/8	.159	10'-12'
7/16	.186	10'-12'
1/2	.213	10'-12'
5/8	.266	10'-12'
3/4	.319	10'-12'
7/8	.372	10'-12'
1	.425	10'-12'
1 1/4	.531	10'-12'
1 1/2	.638	10'-12'
1 3/4	.744	10'-12'
2	.850	10'-12'
2 1/2	1.060	10'-12'
3	1.280	10'-12'
3 1/2	1.490	10'-12'
4	1.700	10'-12'
5	2.130	10'-12'
6	2.550	10'-12'
8	3.400	10'-12'
3/16 x 1/2	.319	10'-12'
3/4	.478	10'-12'
7/8	.558	10'-12'
1	.638	10'-12'
1 1/4	.797	10'-12'
1 1/2	.956	10'-12'
1 3/4	1.120	10'-12'
2	1.280	10'-12'
2 1/4	1.430	10'-12'
2 1/2	1.590	10'-12'
3	1.910	10'-12'
3/16 x 3 1/2	2.230	10'-12'
4	2.550	10'-12'
5	3.190	10'-12'
6	3.820	10'-12'
1/4 x 3/8	.319	10'-12'
1/2	.425	10'-12'
5/8	.531	10'-12'
3/4	.638	10'-12'
1	.850	10'-12'
1 1/4	1.060	10'-12'
1 1/2	1.280	10'-12'
1 3/4	1.490	10'-12'
2	1.700	10'-12'
2 1/4	1.910	10'-12'
2 1/2	2.130	10'-12'
3	2.550	10'-12'
3 1/2	2.980	10'-12'
4	3.400	10'-12'
4 1/2	3.830	10'-12'
5	4.250	10'-12'
6	5.100	10'-12'
8	6.800	10'-12'
10	8.500	10'-12'
12	10.200	10'-12'
5/16 x 1/2	.531	10'-12'
5/8	.664	10'-12'
3/4	.797	10'-12'
1	1.060	10'-12'
1 1/4	1.330	10'-12'
1 1/2	1.590	10'-12'

COLD FINISHED CARBON FLATS
AISI C-1018

Size in Inches	Weight Per Foot Pounds	Stock Lengths Feet
5/16 x 2	2.130	10'-12'
2½	2.660	10'-12'
3	3.190	10'-12'
3½	3.720	10'-12'
4	4.250	10'-12'
5	5.310	10'-12'
6	6.380	10'-12'
3/8 x ½	.638	10'-12'
5/8	.797	10'-12'
¾	.956	10'-12'
7/8	1.120	10'-12'
1	1.280	10'-12'
1¼	1.590	10'-12'
1½	1.910	10'-12'
1¾	2.230	10'-12'
2	2.550	10'-12'
2½	3.190	10'-12'
3	3.830	10'-12'
3½	4.460	10'-12'
4	5.100	10'-12'
5	6.380	10'-12'
6	7.650	10'-12'
8	10.200	10'-12'
10	12.750	10'-12'
12	15.300	10'-12'
7/16 x ½	.744	10'-12'
¾	1.120	10'-12'
1	1.490	10'-12'
1¼	1.860	10'-12'
2	2.980	10'-12'
2½	3.720	10'-12'
½ x 5/8	1.060	10'-12'
¾	1.280	10'-12'
7/8	1.490	10'-12'
1	1.700	10'-12'
1¼	2.130	10'-12'
1½	2.550	10'-12'
1¾	2.980	10'-12'
2	3.400	10'-12'
2¼	3.830	10'-12'
2½	4.250	10'-12'
2¾	4.680	10'-12'
3	5.100	10'-12'
3½	5.950	10'-12'
4	6.800	10'-12'
4½	7.650	10'-12'
5	8.500	10'-12'
6	10.200	10'-12'
8	13.600	10'-12'
10	17.000	10'-12'
12	20.400	10'-12'
5/8 x ¾	1.590	10'-12'
1	2.130	10'-12'
1¼	2.660	10'-12'
1½	3.190	10'-12'
2	4.250	10'-12'
2¼	4.780	10'-12'
2½	5.310	10'-12'
3	6.380	10'-12'
3½	7.440	10'-12'
4	8.500	10'-12'
5	10.630	10'-12'

COLD FINISHED CARBON FLATS
AISI C-1018

Size in Inches	Weight Per Foot Pounds	Stock Lengths Feet	Size in Inches	Weight Per Foot Pounds	Stock Lengths Feet
5/8 x 6	12.750	10'-12'	1 x 2 1/4	7.650	10'-12'
8	17.000	10'-12'	2 1/2	8.500	10'-12'
10	21.250	10'-12'	3	10.200	10'-12'
12	25.500	10'-12'	3 1/2	11.900	10'-12'
3/4 x 1	2.550	10'-12'	4	13.600	10'-12'
1 1/4	3.190	10'-12'	4 1/2	15.300	10'-12'
1 1/2	3.830	10'-12'	5	17.000	10'-12'
1 3/4	4.460	10'-12'	6	20.400	10'-12'
2	5.100	10'-12'	8	27.200	10'-12'
2 1/4	5.740	10'-12'	10	34.000	10'-12'
2 1/2	6.380	10'-12'	12	40.080	10'-12'
3	7.650	10'-12'	1 1/4 x 2	8.500	10'-12'
3 1/2	8.930	10'-12'	2 1/2	10.630	10'-12'
4	10.200	10'-12'	3	12.750	10'-12'
4 1/2	11.480	10'-12'	4	17.000	10'-12'
5	12.750	10'-12'	5	21.250	10'-12'
6	15.300	10'-12'	6	25.500	10'-12'
8	20.400	10'-12'	8	34.000	10'-12'
10	25.500	10'-12'	10	42.500	10'-12'
12	30.600	10'-12'	12	51.000	10'-12'
7/8 x 1	2.980	10'-12'			
1 1/2	4.460	10'-12'	1 1/2 x 2	10.200	10'-12'
2	5.950	10'-12'	2 1/2	12.750	10'-12'
2 1/2	7.440	10'-12'	3	15.300	10'-12'
3	8.930	10'-12'	3 1/2	17.850	10'-12'
5	14.880	10'-12'	4	20.400	10'-12'
6	17.850	10'-12'	5	25.500	10'-12'
1 x 1 1/4	4.250	10'-12'	6	30.600	10'-12'
1 1/2	5.100	10'-12'	8	40.800	10'-12'
1 3/4	5.950	10'-12'	10	51.000	10'-12'
2	6.800	10'-12'	12	61.200	10'-12'

COLD FINISHED CARBON FLATS
AISI C-1018 (continued)

Size in Inches	Weight Per Foot Pounds	Stock Lengths Feet	Size in Inches	Weight Per Foot Pounds	Stock Lengths Feet
1¾ x 3½	20.830	10'-12'	2½ x 3½	29.750	10'-12'
2 x 2½	17.000	10'-12'	4	34.000	10'-12'
3	20.400	10'-12'	5	42.500	10'-12'
3½	23.800	10'-12'	6	51.000	10'-12'
4	27.200	10'-12'	8	68.000	10'-12'
5	34.000	10'-12'	3 x 4	40.800	10'-12'
6	40.800	10'-12'	4½	45.900	10'-12'
2 x 8	54.400	10'-12'	5	51.000	10'-12'
10	68.000	10'-12'	6	61.200	10'-12'
12	81.600	10'-12'	8	81.600	10'-12'
2¼ x 4	30.600	10'-12'			
4½	34.430	10'-12'			

COLD FINISHED CARBON SQUARES
AISI C-1018

Size in Inches	Weight Per Foot Pounds	Stock Lengths Feet	Size in Inches	Weight Per Foot Pounds	Stock Lengths Feet
1/8	.053	10'-12'	13/16	4.795	10'-12'
3/16	.120	10'-12'	1¼	5.310	10'-12'
¼	.213	10'-12'	1⅜	6.430	10'-12'
5/16	.332	10'-12'	1½	7.650	10'-12'
⅜	.478	10'-12'	1¾	10.410	10'-12'
7/16	.652	10'-12'	2	13.600	10'-12'
½	.850	10'-12'	2¼	17.210	10'-12'
9/16	1.080	10'-12'	2½	21.250	10'-12'
⅝	1.330	10'-12'	2¾	25.710	10'-12'
11/16	1.610	10'-12'	3	30.600	10'-12'
¾	1.910	10'-12'	3½	41.650	10'-12'
13/16	2.240	10'-12'	4	54.400	10'-12'
⅞	2.600	10'-12'	5	85.000	10'-12'
15/16	2.990	10'-12'	5½	102.900	10'-12'
1	3.400	10'-12'	6	122.400	10'-12'
1⅛	4.300	10'-12'			

COLD FINISHED CARBON HEXAGONS
AISI C-1018, C-12L14, and C-1215

Size in Inches	Weight Per Foot Pounds	Stock Lengths Feet
1/4	.184	10'-12'
5/16	.288	10'-12'
3/8	.414	10'-12'
7/16	.564	10'-12'
1/2	.736	10'-12'
9/16	.932	10'-12'
5/8	1.150	10'-12'
11/16	1.390	10'-12'
3/4	1.660	10'-12'
13/16	1.760	10'-12'
7/8	2.250	10'-12'
1	2.940	10'-12'
1 1/16	3.320	10'-12'
1 1/8	3.730	10'-12'
1 3/16	4.152	10'-12'
1 1/4	4.600	10'-12'
1 3/8	5.570	10'-12'
1 1/2	6.630	10'-12'
1 5/8	7.780	10'-12'
1 3/4	9.020	10'-12'
1 7/8	10.350	10'-12'
2	11.780	10'-12'
2 1/4	14.910	10'-12'
2 1/2	18.400	10'-12'
2 3/4	22.270	10'-12'
3	26.500	10'-12'
3 1/4	31.100	10'-12'
3 1/2	36.070	10'-12'
3 3/4	41.410	10'-12'
4	47.110	10'-12'

MEDIUM CARBON ALLOY BARS

AISI 4140 — Suitable for heavy duty service, this steel has high hardenability and good fatigue, abrasion, and impact resistance. It is a medium carbon, chromium-molybdenum alloy steel intended for use in severe stress conditions. It is not subject to temper embrittlement even after long exposure to high temperatures.

AISI 4150 — This is a quenched and tempered, medium carbon, chromium-molybdenum alloy steel. The chromium provides good hardness penetration, while the molybdenum adds uniformity of hardness and high strength. This grade is suitable for forging. Ease of machinability is increased when heat treated. This grade is frequently used because of such features as high strength and wear resistance, toughness, ductility, and stress resistance at high temperatures.

AISI 4340 — A nickel-chromium-molybdenum alloy steel possessing higher strength than 4140 or 4150. This grade provides much deeper hardenabilty which insures maximum toughness and ductility at the desired strength level. It is intended for manufacturing highly stressed parts such as heavy duty shafting, axles, dies, gears, drilling equipment and tools.

COLD FINISHED ALLOY ROUNDS

Size In Inches	Weight Per Foot	Grade and Lengths in Stock			
		4140 Annealed	4140 HT	4150 (TUFLOY) RES, QT, SR, MS	8620
3/16"	.094	12'	20'		
1/4"	.1671	12'	20'	20'	12'
5/16"	.2610	12'	20'	20'	12'
3/8"	.3759	12'	20'	20'	12'
7/16"	.5116	12'	20'	20'	12'
1/2"	.6682	12'	20'	20'	12'
9/16"	.8457	12'	20'	20'	12'
5/8"	1.044	12'	20'	20'	12'
11/16"	1.263	12'	20'	20'	12'
3/4"	1.504	12'	20'	20'	12'
13/16"	1.765	12'	20'	20'	12'
7/8"	2.046	12'	20'	20'	12'
15/16"	2.349	12'	20'	20'	12'
1"	2.673	12'	20'	20'	12'
1 1/16"	3.017	12'	20'	20'	12'
1 1/8"	3.383	12'	20'	20'	12'
1 3/16"	3.769	12'	20'	20'	12'
1 1/4"	4.176	12'	20'	20'	12'
1 5/16"	4.604	12'	20'	20'	12'
1 3/8"	5.053	12'	20'	20'	12'
1 7/16"	5.523	12'	20'	20'	12'
1 1/2"	6.014	12'	20'	20'	12'
1 9/16"	6.526	12'	20'	20'	12'
1 5/8"	7.058	12'	20'	20'	12'
1 11/16"	7.612	12'	20'	20'	12'
1 3/4"	8.186	12'	20'	20'	12'
1 13/16"	8.781	12'	20'		12'
1 7/8"	9.397	12'	20'	20'	12'
1 15/16"	10.03	12'	20'	20'	12'
2"	10.69	12'	20'	20'	12'
2 1/8"	12.07	12'	20'		12'
2 3/16"	12.79	12'		20'	12'

COLD FINISHED ALLOY ROUNDS (continued)

Size In Inches	Weight Per Foot	Grade and Lengths in Stock			
		4140 Annealed	4140 HT	4150 (TUFLOY) RES, QT, SR, MS	8620
2¼"	13.53	12'	20'	20'	12'
2⅜"	15.08	12'	20'	20'	12'
2 7/16"	15.88	12'	20'		12'
2½"	16.71	12'	20'	20'	12'
2⅝"	18.42	12'	20'	20'	12'
2¾"	20.21	12'	20'	20'	12'
2⅞"	22.09	12'		20'	12'
2 15/16"	23.06	12'	20'		12'
3"	24.06	12'	20'	20'	12'
3⅛"	26.10	12'	20'		12'
3¼"	28.23	12'	20'	20'	12'
3½"	32.74	12'	20'	20'	12'
3¾"	37.59	12'	20'	20'	12'
4"	42.77	12'	20'	20'	12'
4¼"	48.28	12'		20'	12'
4½"	54.13	12'		20'	12'
5"	66.82	12'		20'	
6"	96.13			20'	

MECHANICAL TUBING

C.D. SEAMLESS E.W.D.O.M. C.D. BUTTWELD

Size O.D.	Average Wall B.W. Ga.	Average Wall Dec. Inches	Nominal I.D.	Wt. Per Ft. In Lbs.
3/8"	20	.035	.305	.1271
	18	.049	.277	.1706
	17	.058	.259	.1964
1/2"	20	.035	.430	.1738
	19	.042	.416	.2054
	18	.049	.402	.2360
	16	.065	.370	.3020
5/8"	20	.035	.555	.2205
	18	.049	.527	.3014
	16	.065	.495	.3888
	14	.083	.459	.4805
	13	.095	.435	.5377
3/4"	20	.035	.680	.2673
	18	.049	.652	.3668
	16	.065	.620	.4755
	11	.120	.510	.8074
7/8"	20	.035	.805	.3140
	18	.049	.777	.4323
	16	.065	.745	.5623
	15	.072	.731	.6175
	14	.083	.709	.7021
1"	20	.035	.930	.3607
	18	.049	.902	.4977
	16	.065	.870	.6491
	14	.083	.834	.8129
	13	.095	.810	.9182
	11	.120	.760	1.1280

MECHANICAL TUBING (continued)

C.D. SEAMLESS E.W.D.O.M. C.D. BUTTWELD

Size O.D.	Average Wall B.W. Ga.	Average Wall Dec. Inches	Nominal I.D.	Wt. Per Ft. In Lbs.
1⅛"	20	.035	1.055	.4074
	18	.049	1.027	.5631
	16	.065	.995	.7359
	11	.120	.885	1.2880
1¼"	20	.035	1.180	.4542
	18	.049	1.152	.6285
	16	.065	1.120	.8826
	14	.083	1.084	1.0340
	13	.095	1.060	1.1720
	12	.109	1.032	1.3280
	11	.120	1.010	1.4480
1⅜"	20	.035	1.305	.5009
	18	.049	1.277	.6939
	16	.065	1.245	.9094
	11	.120	1.135	1.6080
1½"	20	.035	1.430	.5476
	18	.049	1.402	.7593
	16	.065	1.370	.9962
	14	.083	1.334	1.2560
	11	.120	1.260	1.7690
1⅝"	20	.035	1.555	.5943
	18	.049	1.527	.8248
	16	.065	1.495	1.0830
	11	.120	1.385	1.9290
1¾"	20	.035	1.680	.6411
	18	.049	1.652	.8902
	16	.065	1.620	1.1700
	14	.083	1.584	1.4780
	11	.120	1.510	2.0890

MECHANICAL TUBING (continued)
C.D. SEAMLESS E.W.D.O.M. C.D. BUTTWELD

Size O.D.	Average Wall B.W. Ga.	Average Wall Dec. Inches	Nominal I.D.	Wt. Per Ft. In Lbs.
1⅞"	20	.035	1.805	.6878
	16	.065	1.745	1.2570
	14	.083	1.709	1.5890
	11	.120	1.635	2.2490
2"	20	.035	1.930	.7345
	18	.049	1.902	1.0210
	16	.065	1.870	1.3430
	14	.083	1.834	1.6990
	13	.095	1.810	1.9330
	11	.120	1.760	2.4090
	5/32	.156	1.687	3.0720
2⅛"	18	.049	2.027	1.086
	16	.065	1.995	1.430
	14	.083	1.959	1.810
	11	.120	1.885	2.570
2¼"	18	.049	2.152	1.1520
	16	.065	2.120	1.5170
	14	.083	2.084	1.9210
	11	.120	2.010	2.7300
2⅜"	20	.035	2.305	.8747
	18	.049	2.277	1.2170
	16	.065	2.245	1.6040
	14	.083	2.209	2.0320
	11	.120	2.135	2.8900
2½"	18	.049	2.402	1.283
	16	.065	2.370	1.690
	14	.083	2.334	2.143

MECHANICAL TUBING (continued)
C.D. SEAMLESS E.W.D.O.M. C.D. BUTTWELD

Size O.D.	Average Wall B.W. Ga.	Average Wall Dec. Inches	Nominal I.D.	Wt. Per Ft. In Lbs.
2½"	11	.120	2.260	3.050
2¾"	18	.049	2.652	1.413
	16	.065	2.620	1.864
	14	.083	2.584	2.364
	13	.095	2.560	2.694
	11	.120	2.510	3.371
3"	16	.065	2.870	2.037
	14	.083	2.834	2.586
	13	.095	2.810	2.947
	11	.120	2.760	3.691
	¼	.250	2.500	7.343
3⅛"	16	.065	2.995	2.124
	13	.095	2.935	3.074
	11	.120	2.885	3.851
3¼"	16	.065	3.120	2.211
	14	.083	3.084	2.807
	13	.095	3.060	3.201
	11	.120	3.010	4.011
3½"	20	.035	3.430	1.295
	16	.065	3.370	2.385
	14	.083	3.334	3.029
	13	.095	3.310	3.455
	11	.120	3.260	4.332
	¼	.250	3.000	8.678
	⅜	.375	2.750	12.520
	½	.500	2.500	16.020

MECHANICAL TUBING (continued)

C.D. SEAMLESS E.W.D.O.M. C.D. BUTTWELD

Size O.D.	Average Wall B.W. Ga.	Average Wall Dec. Inches	Nominal I.D.	Wt. Per Ft. In Lbs.
3 5/8"	16	.065	3.495	2.471
	11	.120	3.385	4.492
	3/16	.183	3.250	6.901
	1/4	.250	3.125	9.011
	3/8	.375	2.875	13.020
	1/2	.500	2.625	16.690
3 3/4"	16	.065	3.620	2.558
	13	.095	3.560	3.708
	11	.120	3.510	4.652
	3/16	.188	3.375	7.152
	1/4	.250	3.250	9.345
	3/8	.375	3.000	13.520
	1/2	.500	2.750	17.360
4"	16	.065	3.870	2.732
	14	.083	3.834	3.472
	13	.095	3.180	3.962
	11	.120	3.760	4.973
	3/16	.188	3.625	7.654
	1/4	.250	3.500	10.010
	3/8	.375	3.250	14.520
	1/2	.500	3.000	18.690
	5/8	.625	2.750	22.530
	3/4	.750	2.500	26.030
	7/8	.875	2.250	29.200
	1	1.000	2.000	32.040
4 1/4"	13	.095	4.060	4.216
	11	.120	4.010	5.293
	3/16	.188	3.875	8.156
	1/4	.250	3.750	10.680

MECHANICAL TUBING (continued)

C.D. SEAMLESS E.W.D.O.M. C.D. BUTTWELD

Size O.D.	Average Wall B.W. Ga.	Average Wall Dec. Inches	Nominal I.D.	Wt. Per Ft. In Lbs.
4 1/4"	3/8	.375	3.500	15.520
	1/2	.500	3.250	20.030
	5/8	.625	3.000	24.200
	3/4	.750	2.750	28.040
	7/8	.875	2.500	31.540
	1	1.000	2.250	34.710
4 1/2"	13	.095	4.310	4.469
	11	.120	4.260	5.613
	3/16	.188	4.125	8.658
	1/4	.250	4.000	11.350
	3/8	.375	3.750	16.520
	1/2	.500	3.500	21.360
	5/8	.625	3.250	25.870
	3/4	.750	3.000	30.040
	7/8	.875	2.750	33.880
	1	1.000	2.500	37.380
4 3/4"	11	.120	4.510	5.934
	3/16	.188	4.375	9.160
	1/4	.250	4.250	12.020
	3/8	.375	4.000	17.520
	1/2	.500	3.750	22.700
	5/8	.625	3.500	27.530
	3/4	.750	3.250	32.040
	7/8	.875	3.000	36.210
	1	1.000	2.750	40.050
5"	11	.120	4.760	6.254
	3/16	.188	4.625	9.662
	1/4	.250	4.500	12.680
	3/8	.375	4.250	18.520

MECHANICAL TUBING (continued)
C.D. SEAMLESS E.W.D.O.M. C.D. BUTTWELD

Size O.D.	Average Wall B.W Ga.	Average Wall Dec. Inches	Nominal I.D.	Wt. Per Ft. In Lbs.
5"	1/2	.500	4.000	24.030
	5/8	.625	3.750	29.200
	3/4	.750	3.500	34.040
	7/8	.875	3.250	38.550
	1	1.000	3.000	42.720
5 1/2"	11	.120	5.260	6.895
	3/16	.187	5.125	10.670
	1/4	.250	5.000	14.020
	3/8	.375	4.750	20.530
	1/2	.500	4.500	26.700
	5/8	.625	4.250	32.540
	3/4	.750	4.000	38.050
	7/8	.875	3.750	43.220
	1	1.000	3.500	48.060
5 3/4"	11	.120	5.510	7.215
	3/16	.188	5.375	11.170
	1/4	.250	5.250	14.690
	3/8	.375	5.000	21.530
	1/2	.500	4.750	28.040
	5/8	.625	4.500	34.210
	3/4	.750	4.250	40.050
	7/8	.875	4.000	45.560
	1	1.000	3.750	50.730
6"	11	.120	5.760	7.536
	3/16	.188	5.625	11.670
	1/4	.250	5.500	15.350
	3/8	.375	5.250	22.530
	1/2	.500	5.000	29.370
	5/8	.625	4.750	35.880

MECHANICAL TUBING (continued)
C.D. SEAMLESS E.W.D.O.M. C.D. BUTTWELD

Size O.D.	Average Wall B.W. Ga.	Average Wall Dec. Inches	Nominal I.D.	Wt. Per Ft. In Lbs.
6"	3/4	.750	4.500	42.050
	7/8	.875	4.250	47.890
	1	1.000	4.000	53.400
6 1/4"	11	.120	6.010	7.856
	3/16	.187	5.876	12.170
	1/4	.250	5.750	16.020
	3/8	.375	5.500	23.530
	1/2	.500	5.250	30.710
	5/8	.625	5.000	37.550
	3/4	.750	4.750	44.060
	1	1.000	4.250	56.070
6 1/2"	3/16	.187	6.125	12.670
	1/4	.250	6.000	16.690
	3/8	.375	5.750	24.530
	1/2	.500	5.500	32.040
	5/8	.625	5.250	39.220
	3/4	.750	5.000	46.060
	7/8	.875	4.750	52.570
	1	1.000	4.500	58.740
6 3/4"	1/4	.250	6.250	17.36
	3/8	.375	6.000	25.53
	1/2	.500	5.750	33.38
	5/8	.625	5.500	40.88
	3/4	.750	5.250	48.06
	1	1.000	4.750	61.41
7"	3/16	.187	6.625	13.68
	1/4	.250	6.500	18.02

MECHANICAL TUBING (continued)

C.D. SEAMLESS E.W.D.O.M. C.D. BUTTWELD

Size O.D.	Average Wall B.W. Ga.	Average Wall Dec. Inches	Nominal I.D.	Wt. Per Ft. In Lbs.
7"	3/8	.375	6.250	26.53
	1/2	.500	6.000	34.71
	5/8	.625	5.750	42.55
	3/4	.750	5.500	50.06
	1	1.000	5.000	64.08
7 1/4"	1/4	.250	6.750	18.69
	3/8	.375	6.500	27.53
	1/2	.500	6.250	36.05
	5/8	.625	6.000	44.22
	3/4	.750	5.750	52.07
	1	1.000	5.250	66.75
7 1/2"	1/4	.250	7.00	19.36
	3/8	.375	6.750	28.54
	1/2	.500	6.500	37.38
	5/8	.625	6.250	45.89
	3/4	.750	6.000	54.07
	1	1.000	5.500	69.42
7 3/4"	1/4	.250	7.250	20.03
	3/8	.375	7.000	29.54
	1/2	.500	6.750	38.72
	3/4	.750	6.250	56.07
	1	1.000	5.750	72.09
8"	1/4	.250	7.500	20.69
	3/8	.375	7.250	30.54
	1/2	.500	7.000	40.05
	3/4	.750	6.500	58.07
	1	1.000	6.000	74.76

MECHANICAL TUBING (continued)

C.D. SEAMLESS E.W.D.O.M. C.D. BUTTWELD

Size O.D.	Average Wall B.W. Ga.	Average Wall Dec. Inches	Nominal I.D.	Wt. Per Ft. In Lbs.
8¼"	¼	.250	7.750	21.36
	½	.500	7.250	41.39
	1	1.000	6.250	77.43
8½"	¼	.250	8.000	22.03
	⅜	.375	7.750	32.54
	½	.500	7.500	42.72
	¾	.750	7.000	62.08
	1	1.000	6.500	80.10
8¾"	⅜	.375	8.000	33.54
	½	.500	7.750	44.06
	¾	.750	7.250	64.08
9"	¼	.250	8.500	23.36
	⅜	.375	8.250	34.54
	½	.500	8.000	45.39
	¾	.750	7.500	66.08
	1	1.000	7.000	85.44
9½"	¼	.250	9.000	24.70
	⅜	.375	8.750	36.55
	½	.500	8.500	48.06
	¾	.750	8.000	70.09
	1	1.000	7.500	90.78
10"	¼	.250	9.500	26.03
	⅜	.375	9.250	38.55
	½	.500	9.000	50.73
	¾	.750	8.500	74.09
	1	1.000	8.000	96.12

MECHANICAL TUBING (continued)

C.D. SEAMLESS E.W.D.O.M. C.D. BUTTWELD

Size O.D.	Average Wall B.W. Ga.	Average Wall Dec. Inches	Nominal I.D.	Wt. Per Ft. In Lbs.
10½"	¼	.250	10.000	27.37
	½	.500	9.500	53.40
	¾	.750	9.000	78.10
	1	1.000	8.500	101.50
11"	⅜	.375	10.250	42.55
	½	.500	10.000	56.07
	¾	.750	9.500	82.10
	1	1.000	9.000	106.80
12"	¼	.250	11.500	31.37
	⅜	.375	11.250	46.56
	½	.500	11.000	61.41
	¾	.750	10.500	90.11
	1	1.000	10.000	117.50

SQUARE AND RECTANGULAR WELDED MECHANICAL STEEL TUBING 20' TO 24' RANDOM LENGTHS

Size in Inches	BWG Wall Thickness	Weight Per Foot Pounds
½x½	16	.384
	14	.470
⅝x⅝	16	.495
	14	.612
¾x¾	20	.340
	18	.467
	16	.605
	14	.753
1x1	20	.459
	18	.634
	16	.826
	15	.920
	14	1.035
	12	1.320
	11	1.436
1¼x1¼	20	.578
	18	.800
	16	1.047
	14	1.317
	12	1.691
	11	1.844
1½x1	20	.519
	16	.937
	14	1.176
	11	1.640
1½x1½	20	.697
	18	.967
	16	1.268
	14	1.599
	12	2.062
	11	2.252
1⅝x1⅝	11	2.456
1¾x1¾	16	1.489
	14	1.881
	11	2.660
1½x1	14	1.317
2x1	16	1.268
	14	1.599
	11	2.252
2x1½	16	1.489
	14	1.881
	11	2.660
2x2	18	1.300
	16	1.710
	14	2.164
	11	3.067
2½x1	16	1.489
	14	1.881
	11	2.660

SQUARE AND RECTANGULAR WELDED MECHANICAL (continued)
STEEL TUBING 20' TO 24' RANDOM LENGTHS

Size in Inches	BWG Wall Thickness	Weight Per Foot Pounds
2½x1½	16	1.710
	14	2.164
	11	3.067
2½x2½	16	2.152
	14	2.728
	11	3.883
3x1	16	1.710
	14	2.164
	11	3.067
3x1½	16	1.931
	14	2.445
	11	3.475
3x2	16	2.152
	14	2.728
	12	3.544
3x3	16	2.594
	14	3.292
3½x3½	14	3.856
4x2	16	2.594
	14	3.292
4x4	14	4.421

COLD FORMED WELDED SQUARE TUBING
ASTM A500 GRADE B

Sizes Inches	Lbs. Per Ft.	Sizes Inches	Lbs. Per Ft.
1¼ x 3/16	2.62	6 x 3/16	14.65
1½ x 3/16	3.22	¼	19.31
¼	4.11	5/16	23.83
2" x .145	3.51	3/8	28.22
3/16	4.49	½	36.72
¼	5.71	7 x 3/16	17.13
2½ x ⅛	3.98	¼	22.71
3/16	5.75	5/16	28.08
¼	7.41	3/8	33.32
3 x ⅛	4.83	½	43.51
3/16	7.04	8 x 3/16	19.65
¼	9.11	¼	26.04
3½ x ⅛	5.68	5/16	32.33
3/16	8.30	3/8	38.42
¼	10.81	½	50.31
4 x ⅛	6.53	10 x 3/16	24.65
3/16	9.59	¼	32.70
¼	12.51	5/16	40.80
5/16	15.33	3/8	48.61
3/8	18.02	½	63.91
½	22.98	12 x ¼	39.44
5 x 3/16	12.14	5/16	48.95
¼	15.91	3/8	58.47
5/16	19.58	½	77.51
3/8	23.12		
½	29.78		

RECTANGULAR TUBING
ASTM A500 GRADE B

Sizes Inches	Lbs. Per Ft.	Sizes Inches	Lbs. Per Ft.
2 x 1½ x 3/16	4.43	8 x 3 x 3/16	13.19
3 x 1½ x 3/16	5.07	1/4	17.61
3 x 2 x 1/8	3.98	8 x 4 x 3/16	14.65
3/16	5.75	1/4	19.31
1/4	7.41	5/16	23.83
4 x 2 x 1/8	4.83	3/8	27.48
3/16	7.04	1/2	36.72
1/4	9.11	8 x 6 x 3/16	17.13
4 x 3 x 1/8	5.68	1/4	22.71
3/16	8.30	5/16	28.08
1/4	10.81	3/8	33.32
5 x 2 x 1/8	5.68	1/2	43.51
3/16	8.30	10 x 2 x 1/4	19.31
1/4	10.81	3/8	28.22
5 x 3 x 1/8	6.53	10 x 4 x 3/16	17.13
3/16	9.59	1/4	22.71
1/4	12.51	5/16	28.08
3/8	18.02	3/8	33.32
6 x 2 x 1/8	6.53	1/2	43.51
3/16	9.59	10 x 5 x 1/4	24.38
1/4	12.51	5/16	30.19
6 x 3 x 1/8	7.51	10 x 6 x 1/4	26.04
3/16	10.81	3/8	38.42
1/4	14.21	1/2	50.31
3/8	20.57	10 x 8 x 1/4	29.37
6 x 4 x 3/16	12.14	12 x 2 x 3/16	17.13
1/4	15.91	1/4	22.71
5/16	19.58	12 x 3 x 1/4	24.38
3/8	23.12	12 x 4 x 3/16	19.65
1/2	29.78	1/4	26.04
7 x 4 x 5/16	21.69	3/8	38.42
3/8	25.67	12 x 6 x 1/4	29.37
7 x 5 x 1/4	19.31	3/8	43.51
3/8	28.22	12 x 8 x 3/8	48.61
8 x 2 x 3/16	12.14		
1/4	15.91		

WEIGHTS AND DIMENSIONS OF SEAMLESS AND WELDED PIPE
A.S.A. PIPE SCHEDULES

PIPE SIZE	O.D. in Inches	5	10	20	30	40	STD	60	80	E.H.	100	120	140	160	Dbl E.H.
1/8	.405	.035 .1383	.049 .1863			.068 .2447	.068 .2447		.095 .3145	.095 .3145					
1/4	.540	.049 .2570	.065 .3297			.088 .4248	.088 .4248		.119 .5351	.119 .5351					
3/8	.675	.049 .3276	.065 .4235			.091 .5676	.091 .5676		.126 .7388	.126 .7388					
1/2	.840	.065 .5383	.083 .6710			.109 .8510	.109 .8510		.147 1.088	.147 1.088				.187 1.304	.294 1.714
3/4	1.050	.065 .6838	.083 .8572			.113 1.131	.113 1.131		.154 1.474	.154 1.474				.218 1.937	.308 2.441
1	1.315	.065 .8678	.109 1.404			.133 1.679	.133 1.679		.179 2.172	.179 2.172				.250 2.844	.358 3.659
1 1/4	1.660	.065 1.107	.109 1.806			.140 2.273	.140 2.273		.191 2.997	.191 2.997				.250 3.765	.382 5.214
1 1/2	1.900	.065 1.274	.109 2.085			.145 2.718	.145 2.178		.200 3.631	.200 3.631				.281 4.859	.400 6.408
2	2.375	.065 1.604	.109 2.638			.154 3.653	.154 3.653		.218 5.022	.218 5.022				.343 7.444	436 9.029
2 1/2	2.875	.083 2.475	.120 3.531			.203 5.793	.203 5.793		.276 7.661	.276 7.661				375 10.01	552 13.70
3	3.500	.083 3.029	.120 4.332			.216 7.576	.216 7.576		.300 10.25	.300 10.25				437 14.32	600 18.58

WEIGHTS AND DIMENSIONS OF SEAMLESS AND WELDED PIPE (continued)

A.S.A. PIPE SCHEDULES

PIPE SIZE	O.D. in Inches	5	10	20	30	40	STD	60	80	E.H.	100	120	140	160	Dbl E.H.
3½	4.000	.083 3.472	.120 4.973			.226 9.109	.226 9.109		.318 12.51	.318 12.51					.636 22.85
4	4.500	.083 3.915	.120 5.613			.237 10.79	.237 10.79	.281 12.66	.337 14.98	.337 14.98		.437 19.01		.531 22.51	.674 27.54
4½	5.000						.247 12.53			.355 17.61					.710 32.53
5	5.563	.109 6.349	.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	.109 7.585	.134 9.289			.280 18.97	.280 18.97		.432 28.57	.432 28.57		.562 36.39		.718 45.30	.864 53.16
7	7.625						.301 23.57			.500 38.05					.875 63.08
8	8.625	.109 9.914	.148 13.40	.250 22.36	.277 24.70	.322 28.55	.322 28.55	.406 35.64	.500 43.39	.500 43.39	.593 50.87	.718 60.93	.812 67.76	.906 74.69	.875 72.42
9	9.625						.342 33.90			.500 48.72					
10	10.750	.134 15.19	.165 18.70	.250 28.04	.307 34.24	.365 40.48	.365 40.48	.500 54.74	.593 64.33	.500 54.74	.718 76.93	.843 89.20	1.000 104.1	1.125 115.7	
11	11.750						.375 45.55			.500 60.07					
12	12.750	.165 22.18	.180 24.20	.250 33.38	.330 43.77	.406 53.53	.375 49.56	.562 73.16	.687 88.51	.500 65.42	.843 107.2	1.000 125.5	1.125 139.7	1.312 160.3	

WEIGHTS AND DIMENSIONS OF SEAMLESS AND WELDED PIPE (continued)
A.S.A. PIPE SCHEDULES

PIPE SIZE	O.D in Inches	5	10	20	30	40	STD	60	80	E.H.	100	120	140	160	Dbl E.H.
14	14.000		.250 35.71	.312 45.68	.375 54.57	.437 63.37	.375 54.57	.593 84.91	.750 106.1	.500 72.09	.937 130.7	1.093 150.7	1.250 170.2	1.406 189.1	
16	16.000		.250 42.05	.312 52.36	.375 62.58	.500 82.77	.375 62.58	.656 107.5	.843 136.5	.500 82.77	1.031 164.8	1.218 192.3	1.437 223.5	1.593 245.1	
18	18.000		.250 47.39	.312 59.03	.437 82.06	.562 104.8	.375 70.59	.750 138.2	.937 170.8	.500 93.45	1.156 208.0	1.375 244.1	1.562 274.2	1.781 308.5	
20	20.000		.250 52.73	.375 78.60	.500 104.1	.593 122.9	.375 78.60	.812 166.4	1.031 208.9	.500 104.1	1.280 256.1	1.500 296.4	1.750 341.1	1.968 379.0	
24	24.000		.250 63.41	.375 94.62	.562 104.8	.687 171.2	.375 94.62	.968 238.1	1.218 296.4	.500 125.5	1.531 367.4	1.812 429.4	2.062 480.1	2.343 541.9	

STAINLESS STEEL SHEETS

TYPE 304, 304L, 316, 316L

No. 2B Finish — Cold Rolled, Annealed ***No. 2D Finish**
No. 3 Finish—Polished One Side **No. 4 Finish—Polished One Side**

Stainless Steel Gauge, Width, and Length	Weight Lbs. per Foot	Est. Wt. per Sheet
7 Ga. (.1874")		
48 x 96	7.871	251.9
48 x 120	7.871	314.8
48 x 144	7.871	377.8
10 Ga. (.135")		
36 x 120	5.697	170.9
48 x 96	5.697	182.3
48 x 120	5.697	227.9
60 x 120*	5.783	289.2
60 x 144*	5.783	347.0
72 x 120*	5.906	354.4
11 Ga. (.120")		
36 x 96	5.040	121.0
36 x 120	5.040	151.2
36 x 144	5.040	181.4
48 x 96	5.040	161.3
48 x 120	5.040	201.6
48 x 144	5.040	241.9
60 x 120	5.145	257.3
60 x 144	5.145	308.7
72 x 120*	5.250	315.0
72 x 144*	5.250	378.0
12 Ga. (.105")		
36 x 96	4.410	105.8
36 x 120	4.410	132.3
36 x 144	4.410	158.8
42 x 120	4.410	154.4
48 x 96	4.410	141.1
48 x 120	4.410	176.4
48 x 144	4.410	211.7
60 x 96	4.511	180.4
60 x 120	4.511	225.6
60 x 144	4.511	270.7
72 x 120*	4.595	275.7
72 x 144*	4.595	330.8

STAINLESS STEEL SHEETS (continued)

TYPE 304, 304L, 316, 316L

No. 2B Finish — Cold Rolled, Annealed ***No. 2D Finish**
No. 3 Finish—Polished One Side **No. 4 Finish—Polished One Side**

Stainless Steel Gauge, Width, and Length	Weight Lbs. per Foot	Est. Wt. per Sheet
13 Ga. (.090")		
36 x 96	3.780	90.72
36 x 120	3.780	113.4
48 x 120	3.780	151.2
14 Ga. (.075")		
30 x 120	3.150	78.75
36 x 96	3.150	75.60
36 x 120	3.150	94.50
36 x 144	3.150	113.4
42 x 120	3.150	110.3
42 x 144	3.150	132.3
48 x 96	3.150	100.8
48 x 120	3.150	126.0
48 x 144	3.150	151.2
60 x 120	3.217	160.9
60 x 144	3.217	193.0
72 x 120	3.280	196.8
72 x 144	3.280	236.2
16 Ga. (.060")		
30 x 96	2.520	50.40
30 x 120	2.520	63.00
36 x 96	2.520	60.48
36 x 120	2.520	75.60
36 x 144	2.520	90.72
42 x 120	2.520	88.20
48 x 96	2.520	80.64
48 x 120	2.520	100.8
48 x 144	2.520	121.0
60 x 96	2.562	102.5
60 x 120	2.562	128.1
60 x 144	2.562	153.7

STAINLESS STEEL SHEETS (continued)

TYPE 304, 304L, 316, 316L

No. 2B Finish — Cold Rolled, Annealed ***No. 2D Finish**
No. 3 Finish—Polished One Side **No. 4 Finish—Polished One Side**

Stainless Steel Gauge, Width, and Length	Weight Lbs. per Foot	Est. Wt. per Sheet
18 Ga. (.048")		
30 x 96	2.016	40.32
30 x 120	2.016	50.40
36 x 96	2.016	48.38
36 x 120	2.016	60.48
36 x 144	2.016	72.58
42 x 120	2.016	70.56
48 x 96	2.016	64.51
48 x 120	2.016	80.64
48 x 144	2.016	96.77
60 x 120	2.058	102.9
60 x 144	2.058	123.5
19 Ga. (.042")		
36 x 120	1.932	57.96
20 Ga. (.036")		
30 x 96	1.512	30.24
30 x 120	1.512	37.80
36 x 96	1.512	36.29
36 x 120	1.512	45.36
36 x 144	1.512	54.43
42 x 120	1.512	52.92
48 x 96	1.512	48.38
48 x 120	1.512	60.48
48 x 144	1.512	72.58
22 Ga. (.030")		
30 x 96	1.260	25.20
30 x 120	1.260	31.50
36 x 96	1.260	30.24
36 x 120	1.260	37.80
36 x 144	1.260	45.36
48 x 96	1.260	40.32
48 x 120	1.260	50.40

STAINLESS STEEL SHEETS (continued)

TYPE 304, 304L, 316, 316L

No. 2B Finish — Cold Rolled, Annealed ***No. 2D Finish**
No. 3 Finish—Polished One Side **No. 4 Finish—Polished One Side**

Stainless Steel Gauge, Width, and Length	Weight Lbs. per Foot	Est. Wt. per Sheet
24 Ga. (.024")		
30 x 96	1.008	20.16
30 x 120	1.008	25.20
36 x 96	1.008	24.19
36 x 120	1.008	30.24
48 x 96	1.008	32.26
48 x 120	1.008	40.32
26 Ga. (.018")		
30 x 96	.7560	15.12
30 x 120	.7560	18.90
36 x 96	.7560	18.14
36 x 120	.7560	22.68
26 Ga. (.018")		
48 x 96	.7560	24.19
48 x 120	.7560	30.24
28 Ga. (.015")		
36 x 96	.6340	15.22
36 x 120	.6340	19.02

STAINLESS PLATES

TYPE 304, 304L, 316, AND 316L

Hot Rolled, Annealed and Pickled

Thickness and Size in Inches		Est. Wt. per Sq. Ft. in Lbs.	Thickness and Size in Inches		Est. Wt. per Sq. Ft. in Lbs.
3/16	48	8.579	1/2	48	21.663
	60	8.579		60	21.663
	72	8.579		72	21.663
	84	8.579		84	21.663
	96	8.579		96	21.663
	120	8.579		120	21.663
1/4	48	11.162	5/8	96	26.831
	60	11.162	3/4	96	32.123
	72	11.162	7/8	96	37.291
	84	11.162	1	60	42.665
	96	11.162		96	42.665
	120	11.162	1 1/8	96	47.833
5/16	48	13.746	1 1/4	96	52.800
	60	13.746	1 1/2	96	63.34
	84	13.746	1 3/4	96	73.67
	96	13.746	2	96	84.44
	120	13.746	2 1/2	96	105.11
3/8	48	16.496	3	96	126.3
	60	16.496	3 1/4	96	136.6
	72	16.496	3 1/2	96	147.0
	84	16.496	3 3/4	96	157.3
	96	16.496	4	96	167.6
	120	16.496			

STAINLESS ROUNDS
TYPE 303, 304, 316, 416, 440 F-Se

Size in Inches	Est. Wt. Per Ft. Pounds	Est. Wt. 12' Bar	Size in Inches	Est. Wt. Per Ft. Pounds	Est. Wt. 12' Bar
1/8	.0417	.5004	2 5/8	18.40	220.8
3/16	.0939	1.127	2 3/4	20.19	242.3
1/4	.1669	2.003	2 7/8	22.07	264.8
9/32	.2113	2.536	3	24.03	288.4
5/16	.2608	3.130	3 1/8	26.08	313.0
3/8	.3755	4.506	3 1/4	28.21	338.5
7/16	.5111	6.133	3 3/8	30.42	365.0
1/2	.6676	8.011	3 1/2	32.71	392.5
9/16	.8449	10.14	3 3/4	37.55	450.6
5/8	1.043	12.52	4	42.73	512.8
11/16	1.262	15.14	4 1/4	48.23	578.8
3/4	1.502	18.02	4 1/2	54.08	649.0
13/16	1.763	21.16	4 3/4	60.25	723.0
7/8	2.045	24.54	5	66.76	801.1
15/16	2.347	28.16	5 1/2	80.78	969.4
1	2.670	32.04	6	96.13	1153.6
1 1/16	3.015	36.18	6 1/2	112.8	1353.6
1 1/8	3.380	40.56	7	130.9	1570.8
1 3/16	3.766	45.19	7 1/2	150.2	1802.4
1 1/4	4.173	50.08	8	170.9	2050.8
1 5/16	4.600	55.20	8 1/2	192.9	2314.8
1 3/8	5.049	60.59	9	216.2	2594.4
1 7/16	5.518	66.22	10	267.0	3204.0
1 1/2	6.008	72.10	11	323.1	3877.2
1 5/8	7.052	84.62	12	384.5	4614.0
1 11/16	7.604	91.25	14	523.4	6280.8
1 3/4	8.178	98.14	15	600.8	7209.6
1 7/8	9.388	112.7			
1 15/16	10.02	120.2			
2	10.68	128.2			
2 1/8	12.06	144.7			
2 1/4	13.52	162.2			
2 3/8	15.06	180.7			
2 7/16	15.87	190.4			
2 1/2	16.69	200.3			

STAINLESS HEXAGONS
TYPE 303, 316, 416
Annealed Cold Drawn

Size in Inches	Est. Wt. Per Ft. Pounds	Est. Wt. 12' Bar	Size in Inches	Est. Wt. Per Ft. Pounds	Est. Wt. 12' Bar
1/8	.0460	.5520	1	2.944	35.33
3/16	.1035	1.242	1 1/16	3.324	39.89
1/4	.1840	2.208	1 1/8	3.727	44.72
5/16	.2875	3.450	1 1/4	4.601	55.21
3/8	.4141	4.969	1 5/16	5.072	60.86
7/16	.5636	6.763	1 3/8	5.567	66.80
1/2	.7361	8.833	1 1/2	6.625	79.50
9/16	.9316	11.18	1 5/8	7.775	93.30
5/8	1.150	13.80	1 3/4	9.017	108.2
11/16	1.392	16.70	1 7/8	10.35	124.2
3/4	1.656	19.87	2	11.78	141.4
13/16	1.944	23.33	2 1/4	14.91	178.9
7/8	2.254	27.05	2 1/2	18.40	220.8
15/16	2.588	31.06	3	26.50	318.0

STAINLESS SQUARES
TYPES 303, 304, 416
Annealed Cold Drawn

Size in Inches	Est. Wt. Per Ft. Pounds	Est. Wt. 12' Bar	Size in Inches	Est. Wt. Per Ft. Pounds	Est. Wt. 12' Bar
1/8	.0531	.6372	3/4	1.913	22.96
3/16	.1195	1.434	7/8	2.603	31.24
1/4	.2125	2.550	1	3.400	40.80
5/16	.3320	3.984	1 1/8	4.303	51.64
3/8	.4781	5.737	1 1/4	5.313	63.76
7/16	.6508	7.810	1 1/2	7.650	91.80
1/2	.8500	10.20	1 3/4	10.41	124.9
9/16	1.076	12.91	2	13.60	163.2
5/8	1.328	15.94			

STAINLESS FLATS
TYPES 304, 316 — Annealed and Pickled

Size in Inches	Est. Wt. Per Ft. Pounds	Est. Wt. 12' Bar	Size in Inches	Est. Wt. Per Ft. Pounds	Est. Wt. 12' Bar
1/8 x 1/2	.2125	2.550			
5/8	.2656	3.187	3/8 x 1/2	.6375	7.650
3/4	.3188	3.826	3/4	.9563	11.48
1	.4250	5.100	1	1.275	15.30
1 1/4	.5313	6.376	1 1/4	1.594	19.30
1 1/2	.6375	7.650	1 1/2	1.913	22.96
2	.8500	10.20	1 3/4	2.231	26.77
2 1/2	1.063	12.76	2	2.550	30.60
3	1.275	15.30	2 1/2	3.188	38.26
3/16 x 1/2	.3188	3.826	3	3.825	45.90
5/8	.3984	4.781	4	5.100	61.20
3/4	.4781	5.737	5	6.375	76.50
1	.6375	7.650	6	7.650	91.80
1 1/4	.7969	9.563	1/2 x 3/4	1.275	15.30
1 1/2	.9563	11.48	1	1.700	20.40
1 3/4	1.116	13.39	1 1/4	2.125	25.50
2	1.275	15.30	1 1/2	2.550	30.60
2 1/2	1.594	19.13	1 3/4	2.975	35.70
3	1.913	22.96	2	3.400	40.80
1/4 x 1/2	.4250	5.100	2 1/2	4.250	51.00
5/8	.5313	6.376	3	5.100	61.20
3/4	.6375	7.650	3 1/2	5.950	71.40
1	.8500	10.20	4	6.800	81.60
1 1/4	1.063	12.76	4 1/2	7.650	91.80
1 1/2	1.275	15.30	5	8.500	102.0
1 3/4	1.488	17.86	6	10.20	122.4
2	1.700	20.40	5/8 x 3/4	1.594	19.13
2 1/2	2.125	25.50	1	2.125	25.50
3	2.550	30.60	1 1/2	3.188	38.26
4	3.400	40.80	2	4.250	51.00
6	5.100	61.20	2 1/2	5.313	63.76

STAINLESS FLATS (continued)
TYPES 304, 316 — Annealed and Pickled

Size in Inches	Est. Wt. Per Ft. Pounds	Est. Wt. 12' Bar	Size in Inches	Est. Wt. Per Ft. Pounds	Est. Wt. 12' Bar
5/8 x 3	6.375	76.50	4	10.20	122.4
3 1/2	7.438	89.26	5	12.75	153.0
4	8.500	10.20	6	15.30	183.6
6	12.75	153.0	1 x 1 1/2	5.100	61.20
3/4 x 1	2.550	30.60	1 3/4	5.950	71.40
1 1/4	3.188	38.26	2	6.800	81.60
1 1/2	3.825	45.90	2 1/2	8.500	102.0
2	5.100	61.20	3	10.20	122.4
2 1/2	6.375	76.50	4	13.60	163.2
3	7.650	91.80	6	20.40	244.8

STAINLESS ANGLES
Types: 304, 304L, 316, and 316L

Size in Inches	Est. Wt. per Ft. in Lbs.	Size in Inches	Est. Wt. per Ft. in Lbs.
3/4 x 3/4 x 1/8	.590	2 1/2 x 2 1/2 x 3/16	3.07
1 x 1 x 1/8	.800	2 1/2 x 2 1/2 x 1/4	4.10
1 x 1 x 3/16	1.16	2 1/2 x 2 1/2 x 3/8	5.90
1 x 1 x 1/4	1.49	3 x 2 x 3/16	3.07
1 1/4 x 1 1/4 x 1/8	1.01	3 x 2 x 1/4	4.10
1 1/4 x 1 1/4 x 3/16	1.48	3 x 3 x 1/4	4.90
1 1/4 x 1 1/4 x 1/4	1.92	3 x 3 x 5/16	6.10
1 1/2 x 1 1/2 x 1/8	1.23	3 x 3 x 3/8	7.20
1 1/2 x 1 1/2 x 3/16	1.80	3 1/2 x 3 1/2 x 1/4	5.80
1 1/2 x 1 1/2 x 1/4	2.34	4 x 3 x 1/4	5.80
2 x 2 x 1/8	1.65	4 x 3 x 3/8	8.50
2 x 2 x 3/16	2.44	4 x 4 x 1/4	6.60
2 x 2 x 1/4	3.19	4 x 4 x 3/8	9.80
2 x 2 x 3/8	4.70	5 x 3 x 3/8	9.85

WELDED STAINLESS PIPE

TYPE 304 TYPE 316

Schedule 40 — Standard IPS
Cold Finished, Annealed and Pickled
17-24 Ft. Random Lengths — ASTM A312

Iron Pipe Size In.	Diameter Inches		Wall Thickness Inches	Wt. Per Ft. Lbs.
	O.D.	I.D.		
1/8	.405	.269	.068	.2447
1/4	.540	.364	.088	.4248
3/8	.675	.493	.091	.5676
1/2	.840	.622	.109	.8510
3/4	1.050	.824	.113	1.131
1	1.315	1.049	.133	1.679
1 1/4	1.660	1.380	.140	2.273
1 1/2	1.900	1.610	.145	2.718
2	2.375	2.067	.154	3.653
2 1/2	2.875	2.469	.203	5.793
3	3.500	3.068	.216	7.576
3 1/2	4.000	3.548	.226	9.109
4	4.500	4.026	.237	10.79
5	5.563	5.047	.258	14.62
6	6.625	6.065	.280	18.97

WELDED EXTRA HEAVY STAINLESS PIPE

TYPE 304

Schedule 80 — Extra Heavy IPS
Cold Finished, Annealed and Pickled
17-24 Ft. Random Lengths — ASTM A312

Ex. Hv. Pipe Size Inches	Diameter Inches		Wall Thickness Inches	Wt. Per Ft. Lbs.
	O.D.	I.D.		
1/8	.405	.215	.095	.3145
1/4	.540	.302	.119	.5351
3/8	.675	.423	.126	.7388
1/2	.840	.546	.147	1.088
3/4	1.050	.742	.154	1.474
1	1.315	.957	.179	2.172
1 1/4	1.660	1.278	.191	2.997
1 1/2	1.900	1.500	.200	3.631
2	2.375	1.939	.218	5.022
2 1/2*	2.815	2.263	.276	7.66
3 *	3.500	2.900	.300	10.25
3 1/2*	4.000	3.364	.318	12.51
4 *	4.500	3.826	.337	14.98
5 *	5.563	4.813	.375	20.78

SQUARE STAINLESS STEEL TUBE

WELDED TYPE 304

17-24 Ft. Random Lengths

Size O.D.	B.W. Ga.	Wall Dec. In.	Size I.D.	Wt. per Ft. Lbs.
1"	16	.065	.870	.8265
1 1/4"	16	.065	1.120	1.048
1 1/2"	11	.120	1.260	2.252
2"	11	.120	1.760	3.068

*These sizes are Seamless.

STAINLESS STEEL TUBING

WELDED TYPE 304

Cold Finished, Annealed and Pickled
ASTM A249
17-24 Ft. Random Lengths

Size O.D.	B.W. Ga.	Wall Dec. In.	Size I.D.	Wt. per Ft. Lbs.
1/8"	22	.028	.069	.0290
3/16"	22	.028	.132	.0478
	20	.035	.118	.0572
1/4"	22	.028	.194	.0664
	20	.035	.180	.0804
	18	.049	.152	.1052
	16	.065	.120	.1284
5/16"	22	.028	.257	.0852
	20	.035	.243	.1039
	18	.049	.215	.1382
	16	.065	.183	.1722
3/8"	22	.028	.319	.1038
	20	.035	.305	.1271
	18	.049	.277	.1706
	16	.065	.245	.2152
7/16"	20	035	.368	.1506
	18	049	.340	.2036
	16	.065	.308	.2589
1/2"	22	.028	.444	.1411
	20	.035	.430	.1738
	18	.049	.402	.2360
	16	.065	.370	.3020
	13	.095	.310	.4109
	11	.120	.260	.4870
5/8"	22	.028	.569	.1785
	20	.035	.555	.2205
	18	.049	.527	.3014
	16	.065	.495	.3888
	11	.120	.385	.6472

STAINLESS STEEL TUBING (continued)

WELDED TYPE 304

Cold Finished, Annealed and Pickled
ASTM A249
17-24 Ft. Random Lengths

Size O.D.	B.W. Ga.	Wall Dec. In.	Size I.D.	Wt. per Ft. Lbs.
3/4"	20	.035	.680	.2673
	18	.049	.652	.3668
	16	.065	.620	.4755
	13	.095	.560	.6646
	11	.120	.510	.8074
7/8"	20	.035	.805	.3140
	18	.049	.777	.4323
	16	.065	.745	.5623
	11	.120	.635	.9676
1"	20	.035	.930	.3607
	18	.049	.902	.4977
	16	.065	.870	.6491
	14	.083	.834	.8129
	11	.120	.760	1.128
	3/16	.188	.624	1.630
1 1/8"	16	.065	.995	.7359
1 1/4"	20	.035	1.180	.4542
1 1/4"	18	.049	1.152	.6285
	16	.065	1.120	.8226
	14	.083	1.084	1.035
	11	.120	1.010	1.448
	1/4	.250	.750	2.670
1 3/8"	16	.065	1.245	.9094
1 1/2"	20	.035	1.430	.5476
	18	.049	1.402	.7593
	16	.065	1.370	.9962
	14	.083	1.334	1.256
	11	.120	1.260	1.769
	3/16	.188	1.124	2.634
	1/4	.250	1.000	3.338

STAINLESS STEEL TUBING (continued)

WELDED TYPE 304

Cold Finished, Annealed and Pickled
ASTM A249
17-24 Ft. Random Lengths

Size O.D.	B.W. Ga.	Wall Dec. In.	Size I.D.	Wt. per Ft. Lbs.
1⅝"	16	.065	1.495	1.083
1¾"	20	.035	1.680	.6411
	18	.049	1.652	.8902
	16	.065	1.620	1.170
	11	.120	1.510	2.089
	3/16	.188	1.374	3.136
2"	20	.035	1.930	.7345
	18	.049	1.902	1.021
	16	.065	1.870	1.343
	14	.083	1.834	1.699
	11	.120	1.760	2.409
	3/16	.188	1.624	3.638
	1/4	.250	1.500	4.673
2¼"	16	.065	2.120	1.517
	11	.120	2.010	2.730
	3/16	.188	1.874	4.140
	1/4	.250	1.750	5.340
2½"	18	.049	2.402	1.283
	16	.065	2.370	1.690
	11	.120	2.260	3.050
	3/16	.188	2.125	4.642
	1/4	.250	2.000	6.008
3"	16	.065	2.870	2.038
	14	.083	2.834	2.586
	11	.120	2.760	3.691
	1/4	.250	2.500	7.343
3¼"	11	.120	3.010	4.011
3½"	16	.065	3.370	2.385
	11	.120	3.260	4.332
3¾"	11	.120	3.510	4.652
4"	16	.065	3.870	2.732
	14	.083	3.834	3.472
	11	.120	3.760	4.973

ALUMINUM SHEET

3003-H14

Thickness In Inches	Weight Per Sq. Ft.	Thickness In Inches	Weight Per Sq. Ft.
.020	.2850	.080	1.1385
.025	.3564	.090	1.2870
.032	.4564	.100	1.4256
.040	.5700	.125	1.7820
.050	.7128	.190	2.7126
.063	.8979		

ALUMINUM SHEET

5052-H32 5052-H34

Thickness In Inches	Weight Per Sq. Ft.	Thickness In Inches	Weight Per Sq. Ft.
.025	.3492	.080	1.1155
.032	.4470	.090	1.2610
.040	.5587	.100	1.3968
.050	.6984	.125	1.7460
.063	.8798	.190	2.6578

ALUMINUM SHEET

6061-T6

Thickness In Inches	Weight Per Sq. Ft.	Thickness In Inches	Weight Per Sq. Ft.
.025	.3528	.080	1.1270
.032	.4518	.090	1.2740
.040	.5645	.100	1.4112
.050	.7056	.125	1.7640
.063	.8889	.190	2.6852

ALUMINUM SHEET
5086-H116

Thickness In Inches	Weight Per Sq. Ft.
.125	1.728
.188	2.630

ALUMINUM PLATE
3003-F

Thickness In Inches	Weight Per Sq. Ft.
.250	3.564

ALUMINUM PLATE
5052-H32

Thickness In Inches	Weight Per Sq. Ft.
.250	3.492
.375	5.238

ALUMINUM PLATE
6061-T651

Thickness In Inches	Weight Per Sq. Ft.	Thickness In Inches	Weight Per Sq. Ft.
.250	3.528	1.500	21.168
.313	4.400	1.750	21.443
.375	5.292	2.000	28.224
.500	7.056	2.500	35.280
.625	8.820	3.000	42.336
.750	10.584	4.000	56.448
1.000	14.112	5.000	70.560
1.250	17.640	6.000	84.672

ALUMINUM TREAD PLATE

6061-T6

Thickness In Inches	Weight Per Sq. Ft.	Thickness In Inches	Weight Per Sq. Ft.
.100	1.60	.250	3.67
.125	1.90	.375	5.43
.188	2.79	.500	7.20

ALUMINUM RECTANGULAR BAR

6061-T6 6061-T6511

Size In Inches	Weight Per Ft.	Size In Inches	Weight Per Ft.
1/8 x 3/4	.115	3/8 x 4	1.760
x 1	.147	x 6	2.640
x 1 1/2	.226	1/2 x 3/4	.440
x 2	.294	x 1	.587
3/16 x 3/4	.165	x 1 1/2	.881
x 1	.220	x 2	1.180
x 1 1/2	.330	x 2 1/2	1.470
x 2	.441	x 3	1.760
1/4 x 1/2	.147	x 4	2.350
x 5/8	.187	x 6	3.520
x 3/4	.221	5/8 x 1 1/2	1.100
x 1	.294	x 2	1.470
x 1 1/4	.367	3/4 x 1	.881
x 1 1/2	.441	x 1 1/4	1.100
x 2	.587	x 1 1/2	1.320
x 2 1/2	.750	x 2	1.760
x 4	1.175	x 3	2.640
5/16 x 1	.367	x 4	3.530
3/8 x 1/2	.224	x 6	5.290
x 3/4	.330	1 x 1 1/4	1.47
x 1	.441	x 1 1/2	1.76
x 1 1/4	.551	x 2	2.35
x 1 1/2	.661	x 2 1/2	3.00
x 2	.881	x 3	3.53
x 3	1.320	x 4	4.70
		x 6	7.05

ALUMINUM RECTANGULAR BAR (continued)

6061-T6 6061-T6511

Size In Inches	Weight Per Ft.	Size In Inches	Weight Per Ft.
1¼ x 2½	3.67	2 x 3	7.05
x 3	4.40	x 4	9.40
1½ x 2	3.52	x 6	14.10
x 2½	4.41	2½ x 4	11.75
x 3	5.29	x 6	17.62
x 4	7.05	3 x 4	14.10
x 6	10.57	x 6	21.15

ALUMINUM RECTANGULAR BAR

6063-T5 6063-T52

Size in Inches	Weight Per Ft.	Size in Inches	Weight Per Ft.
⅛ x ½	.075	⅜ x 1	.450
x ⅝	.094	x 1¼	.564
x ¾	.113	x 1½	.675
x 1	.150	x 1¾	.771
x 1¼	.187	x 2	.900
x 1½	.225	x 3	1.350
x 2	.300	x 4	1.760
x 3	.550	½ x ¾	.450
x 4	.600	x 1	.600
3/16 x ½	.113	x 1¼	.750
x ¾	.169	x 1½	.900
x 1	.226	x 2	1.200
x 1¼	.282	x 2½	1.500
x 1½	.338	x 3	1.800
x 2	.451	¾ x 1½	1.350
x 2½	.564	x 2	1.800
¼ x 2	.600	x 2½	2.200
x 2½	.750	x 3	2.640
x 3	.900	x 4	3.520
x 4	1.190	1 x 1½	1.800
⅜ x ½	.225	x 2	2.400
x ⅝	.280	x 3	3.520
x ¾	.337		

ALUMINUM ROUND BAR
6061-T651 6061-T6511

Size In Inches	Weight Per Ft.	Size In Inches	Weight Per Ft.
1/8	.014	1 7/8	3.24
3/16	.032	2	3.69
1/4	.058	2 1/8	4.17
5/16	.090	2 1/4	4.67
3/8	.130	2 1/2	5.77
7/16	.177	2 3/4	6.98
1/2	.231	3	8.30
9/16	.291	3 1/4	9.74
5/8	.360	3 1/2	11.30
3/4	.519	3 3/4	12.98
7/8	.706	4	14.76
1	.923	4 1/2	18.68
1 1/8	1.170	5	23.07
1 1/4	1.440	5 1/2	28.00
1 3/8	1.740	6	33.22
1 1/2	2.080	6 1/2	38.98
1 5/8	2.440	7	45.21
1 3/4	2.820	8	59.04

ALUMINUM EQUAL ANGLES
6061-T6 Structural

Size In Inches	Weight Per Ft.	Size In Inches	Weight Per Ft.
3/4 x 3/4 x 1/8	.20	1 1/2 x 1 1/2 x 1/4	.81
1 x 1 x 1/8	.28	1 3/4 x 1 3/4 x 1/8	.51
x 3/16	.40	x 3/16	.74
x 1/4	.51	x 1/4	.96
1 1/4 x 1 1/4 x 1/8	.35	2 x 2 x 1/8	.57
x 3/16	.51	x 3/16	.85
x 1/4	.66	x 1/4	1.11
1 1/2 x 1 1/2 x 1/8	.43	x 3/8	1.59
x 3/16	.62	2 1/2 x 2 1/2 x 3/16	1.07

ALUMINUM EQUAL ANGLES (continued)

6061-T6 Structural

Size In Inches	Weight Per Ft.	Size In Inches	Weight Per Ft.
2½ x 2½ x ¼	1.40	5 x 5 x ⅜	4.28
x 5/16	1.73	x ½	5.56
3 x 3 x 3/16	1.28	6 x 6 x ⅜	5.12
x ¼	1.68	x ½	6.75
x 5/16	2.08	8 x 8 x ½	9.14
x ⅜	2.47		
3½ x 3½ x 5/16	2.46		
4 x 4 x ¼	2.28		
x 5/16	2.83		
x ⅜	3.38		

ALUMINUM UNEQUAL ANGLES

6061-T6 Structural

Size In Inches	Weight Per Ft.	Size In Inches	Weight Per Ft.
1½ x 1¼ x ⅛	.38	3 x 2 x 3/16	1.07
x 3/16	.57	x ¼	1.40
x ¼	.74	x ⅜	2.05
1¾ x 1¼ x ⅛	.42	3 x 2½ x ¼	1.54
x 3/16	.62	3½ x 2½ x ¼	1.68
x ¼	.81	4 x 3 x ¼	1.99
2 x 1½ x ⅛	.50	x ⅜	2.93
x 3/16	.73	5 x 3 x ⅜	3.35
x ¼	.96	x ½	4.40
2½ x 2 x 3/16	.96	6 x 4 x ⅜	4.24
x ¼	1.26	x ½	5.58
x 5/16	1.55		

ALUMINUM ARCHITECTURAL ANGLES
6063-T52

Size In Inches	Weight Per Ft.
.375 x .750 x .094	.116
.500 x .500 x .062	.070
.500 x .500 x .125	.131
.500 x 1.000 x .094	.158
.500 x 1.000 x .125	.206
.500 x 1.250 x .125	.244
.625 x .625 x .125	.168
.750 x .750 x .062	.108
.750 x .750 x .125	.206
.750 x 1.000 x .125	.244
.750 x 1.500 x .125	.319
1.000 x 1.000 x .062	.145
1.000 x 1.000 x .125	.281
1.000 x 1.000 x .188	.408
1.000 x 1.500 x .125	.356
1.000 x 2.000 x .125	.431
1.250 x 1.250 x .125	.356
1.250 x 1.250 x .188	.519
1.250 x 3.500 x .125	.694
1.500 x 1.500 x .125	.431
1.500 x 1.500 x .188	.633
1.750 x 1.750 x .125	.506
2.000 x 2.000 x .125	.581
2.000 x 2.000 x .188	.857
2.000 x 2.000 x .250	1.124

ALUMINUM STRUCTURAL CHANNELS
6061-T6 American Standard

Size in Inches Web (Depth x Thickness)	Flange Width Inches	Weight Per Ft.
3 x .170	1.410	1.42
x .258	1.498	1.73
x .356	1.596	2.07
4 x .180	1.580	1.85
x .247	1.647	2.16
x .320	1.720	2.50
5 x .190	1.750	2.32
x .325	1.885	3.11
x .472	2.032	3.97
6 x .200	1.920	2.83
x .225	1.945	3.00
x .314	2.034	3.63
x .437	2.157	4.48
7 x .230	2.110	3.54
8 x .250	2.290	4.25
x .303	2.343	4.75
x .487	2.527	6.48
10 x .240	2.600	5.28
12 x .300	2.960	7.41

ALUMINUM STRUCTURAL CHANNELS
6061-T6 Aluminum Association

Size in Inches Web (Depth x Thickness)	Weight Per Ft.	Size in Inches Web (Depth x Thickness)	Weight Per Ft.
3 x .130	1.135	6 x .170	2.834
.170	1.597	.210	4.030
4 x .150	1.728	8 x .190	4.147
.190	2.332	.250	5.789
5 x .150	2.212	10 x .250	6.136
.190	3.089	.310	8.360

ALUMINUM ARCHITECTURAL CHANNELS
6063-T52

A Inches	B Inches	C Inches	Weight Per Ft.
.500	.375	.125	.150
.500	.500	.094	.148
.500	.750	.125	.263
.625	.625	.125	.244
.750	.375	.125	.187
.750	.750	.125	.300
1.000	.500	.125	.263
1.000	1.000	.125	.413
1.250	.500	.125	.300
1.250	1.250	.125	.526
1.438	.500	.094	.251
1.500	.500	.125	.337
1.750	.500	.125	.374
1.750	.750	.125	.450
1.750	1.000	.125	.524
2.000	.500	.125	.413
2.000	1.000	.125	.564
2.250	.875	.125	.563
2.500	1.500	.125	.787
3.000	.500	.125	.563
3.000	1.000	.125	.713

ALUMINUM H-BEAMS-WF
6061-T6

Size in Inches Web (Depth x Thickness)	Flange Width Inches	Weight Per Ft.
4 x .313	4.000	4.76
5 x .313	5.000	6.49
6 x .250	5.938	7.85
6 x .240	6.000	5.40
8 x .230	5.250	5.91
8 x .245	6.500	8.32
8 x .288	8.000	10.73

ALUMINUM I-BEAMS

6061-T6 American Standard

Size in Inches Web (Depth x Thickness)	Flange Width Inches	Weight Per Ft.
3 x .170	2.330	1.96
x .349	2.509	2.59
4 x .190	2.660	2.64
x .326	2.796	3.28
5 x .210	3.000	3.43
x .494	3.284	5.10
6 x .230	3.330	4.30
x .343	3.443	5.10
8 x .270	4.000	6.34

ALUMINUM I-BEAM

6061-T6 Aluminum Association

Size in Inches	Flange Width Inches	Weight Per Ft.
3 x .130	2.50	1.637
.150	2.50	2.030
4 x .150	3.00	2.310
.770	3.00	2.675
5 x .190	3.50	3.699
6 x .190	4.00	4.030
.210	4.00	4.693
8 x .230	5.00	6.181
.250	5.00	7.023

ALUMINUM PIPE — SCHEDULE 40
6061-T6 6063-T6

I.P.S. in Inches	Diameter Inches Outside	Diameter Inches Inside	Wall Thickness Inches	Weight per Foot
1/8	.405	.269	.068	.085
1/4	.540	.364	.088	.147
3/8	.675	.493	.091	.196
1/2	.840	.622	.109	.294
3/4	1.050	.824	.113	.391
1	1.315	1.049	.133	.581
1 1/4	1.660	1.380	.140	.786
1 1/2	1.900	1.610	.145	.940
2	2.375	2.067	.154	1.260
2 1/2	2.875	2.469	.203	2.000
3	3.500	3.068	.216	2.620
3 1/2	4.000	3.548	.226	3.150
4	4.500	4.026	.237	3.730
5	5.563	5.047	.258	5.060
6	6.625	6.065	.280	6.560
8	8.625	7.981	.322	9.880
10	10.750	10.020	.365	14.000
12	12.750	12.000	.375	17.140

ALUMINUM PIPE — SCHEDULE 80
6061-T6

I.P.S. in Inches	Diameter Inches Outside	Diameter Inches Inside	Wall Thickness Inches	Weight per Foot
1	1.315	.957	.179	.75
1 1/4	1.660	1.378	.191	1.04
1 1/2	1.900	1.500	.200	1.25
2	2.375	1.939	.218	1.74
3	3.500	2.900	.300	3.54
3 1/2	4.000	3.364	.318	4.33
4	4.500	3.826	.337	5.18
5	5.563	4.813	.375	7.26
6	6.625	5.761	.432	9.98
8	8.625	7.625	.500	15.16

FRACTION AND DECIMAL EQUIVALENTS

1/64—.015625	33/64—.515625
1/32—.03125	17/32—.53125
3/64—.046875	35/64—.546875
1/16—.0625	9/16—.5625
5/64—.078125	37/64—.578125
3/32—.09375	19/32—.59375
7/64—.109375	39/64—.609375
1/8——.125	5/8——.625
9/64—.140625	41/64—.640625
5/32—.15625	21/32—.65625
11/64—.171875	43/64—.671875
3/16—.1875	11/16—.6875
13/64—.203125	45/64—.703125
7/32—.21875	23/32—.71875
15/64—.234375	47/64—.734375
1/4——.25	3/4——.75
17/64—.265625	49/64—.765625
9/32—.28125	25/32—.78125
19/64—.296875	51/64—.796875
5/16—.3125	13/16—.8125
21/64—.328125	53/64—.828125
11/32—.34375	27/32—.84375
23/64—.359375	55/64—.859375
3/8——.375	7/8——.875
25/64—.390625	57/64—.890625
13/32—.40625	29/32—.90625
27/64—.421875	59/64—.921875
7/16—.4375	15/16—.9375
29/64—.453125	61/64—.953125
15/32—.46875	31/32—.96875
31/64—.484375	63/64—.984375
1/2——.5	1—1

CONVERTING INCHES INTO DECIMALS OF A FOOT

	1/16	.005208		1/16	.255208
	1/8	.010416		1/8	.260416
	3/16	.015625		3/16	.265625
	1/4	.020833		1/4	.270833
	5/16	.026042		5/16	.276042
	3/8	.031250		3/8	.281250
	7/16	.036458		7/16	.286458
0"	1/2	.041666	3"	1/2	.291666
	9/16	.046875	.250	9/16	.296875
	5/8	.052083		5/8	.302083
	11/16	.057292		11/16	.307292
	3/4	.062500		3/4	.312500
	13/16	.067708		13/16	.317708
	7/8	.072916		7/8	.322916
	15/16	.078125		15/16	.328125
	1/16	.088542		1/16	.338542
	1/8	.093750		1/8	.343750
	3/16	.098958		3/16	.348958
	1/4	.104166		1/4	.354166
	5/16	.109375		5/16	.359375
	3/8	.114583		3/8	.364583
	7/16	.119792		7/16	.369792
1"	1/2	.125000	4"	1/2	.375000
.083333	9/16	.130208	.33333	9/16	.380208
	5/8	.135416		5/8	.385416
	11/16	.140625		11/16	.390625
	3/4	.145833		3/4	.395833
	13/16	.151042		13/16	.401042
	7/8	.156250		7/8	.406250
	15/16	.161458		15/16	.411458
	1/16	.171875		1/16	.421875
	1/8	.177083		1/8	.427083
	3/16	.182292		3/16	.432292
	1/4	.187500		1/4	.437500
	5/16	.192708		5/16	.442708
	3/8	.197906		3/8	.447916
	7/16	.203175		7/16	.453125
2"	1/2	.208333	5"	1/2	.458333
166666	9/16	.213542	.416666	9/16	.463542
	5/8	.218750		5/8	.468750
	11/16	.223958		11/16	.473958
	3/4	.229166		3/4	.479166
	13/16	.234375		13/16	.484375
	7/8	.239583		7/8	.489583
	15/16	.244792		15/16	.494792

CONVERTING INCHES INTO DECIMALS OF A FOOT

	1/16	.505208		1/16	.755208
	1/8	.510416		1/8	.706416
	3/16	.515625		3/16	.765625
	1/4	.520833		1/4	.770833
	5/16	.526042		5/16	.776042
	3/8	.531250		3/8	.781250
	7/16	.536458		7/16	.786458
6"	1/2	.541666	9"	1/2	.791666
.50	9/16	.546875	.750	9/16	.796875
	5/8	.552083		5/8	.802083
	11/16	.557292		11/16	.807292
	3/4	.562500		3/4	.812500
	13/16	.567708		13/16	.817708
	7/8	.572916		7/8	.822916
	15/16	.578125		15/16	.828125
	1/16	.588542		1/16	.838542
	1/8	.593750		1/8	.843750
	3/16	.598958		3/16	.848958
	1/4	.604166		1/4	.854166
	5/16	.609375		5/16	.859375
	3/8	.614583		3/8	.864583
	7/16	.619792		7/16	.869792
7"	1/2	.625000	10"	1/2	.875000
.583333	9/16	.630208	.833333	9/16	.880208
	5/8	.635416		5/8	.885416
	11/16	.640625		11/16	.890625
	3/4	.645803		3/4	.895833
	13/16	.651042		13/16	.901042
	7/8	.656250		7/8	.906250
	15/16	.661458		15/16	.911458
	1/16	.671875		1/16	.921875
	1/8	.677083		1/8	.927083
	3/16	.682292		3/16	.932292
	1/4	.687500		1/4	.937500
	5/16	.692708		5/16	.942708
	3/8	.697916		3/8	.947916
8"	7/16	.703125		7/16	.953125
.66666	1/2	.708323	11"	1/2	.958333
	9/16	.713542	.916666	9/16	.963542
	5/8	.718750		5/8	.968750
	11/16	.723958		11/16	.973958
	3/4	.729166		3/4	.979166
	13/16	.734375		13/16	.984375
	7/8	.739583		7/8	.989583
	15/16	.744792		15/16	.994792

A-36 SPECIFICATION DATA

Chemical Requirements

Product	Shapes[a]	Plates					Bars			
Thickness, in. (mm)	All	To ¼ (19), incl.	Over ¼ to 1½ (19 to 38), incl.	Over 1½ to 2½ (38 to 64), incl.	Over 2½ to 4 (64 to 102), incl.	Over	To ¾ (19), incl.	Over ¼ to 1½ (19 to 38), incl.	Over 1½ to 4 (38 to 102), incl.	Over 4 (102)
Carbon, max. percent	0.26	0.25	0.25	0.26	0.27	0.29	0.26	0.27	0.28	0.299
Manganese, percent	—	—	0.80-1.20	0.80-1.20	0.85-1.20	0.85-1.20	—	0.60-0.90	0.60-0.90	0.60-0.90
Phosphorus, max. percent	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
Sulfur, max. percent	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Silicon, percent	—	—	—	0.15-0.30	0.15-0.30	0.15-0.30	—	—	—	—
Copper, min. percent, when copper steel is specified	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20

[a]Manganese content of 0.85 1.35% and silicon content of 0.15 0.30% is required for shapes over 426 lb/ft.

Tensile Requirements[a]

Plates, Shapes,[b] and Bars,	
Tensile strength, psi (MPa)	58 00 80 000 (400 550)
Yield point, min. psi (MPa)	36 000 (250)[c]
Plates and Bars[e,f]	
Elongation in 8 in. or 200 mm, min. %	20[d]
Elongation in 2 in. or 50 mm, min, %	23
Shapes:	
Elongation in 8 in. or 200 mm, min. %	20[d]
Elongation in 2 in. or 50 mm, min. %	21[b]

[a]For plates wider than 24 in (610 mm), the test specimen is taken in the transverse direction. See 11.2 of Specification A6.

[b]For wide flange shapes over 426 lb/ft tensile strength minimum of 58000 psi (400 MPa) only and elongation in 2 in. of 19% minimum applies.

[c]Yield point 32000psi (220 MPa) for plates over 8 in. in thickness.

[d]See 7.3

[e]Elongation not required to be determined for floor plate.

[f]For plates wider than 24 in. (610 mm), the elongation requirements is reduced two percentage points.

STANDARD CHEMICAL COMPOSITIONS FOR CARBON STEELS

Basic Open-Hearth and Acid Bessemer Carbon Steels

AISI No.	C	Mn.	P Max.	S Max.	SAE No.
C 1008	0.10 max.	0.25/0.50	0.040	0.050	1008
C 1010	0.08/0.13	0.30/0.60	0.040	0.050	1010
C 1012	0.10/0.15	0.30/0.60	0.040	0.050	—
C 1015	0.13/0.18	0.30/0.60	0.040	0.050	1015
C 1018	0.15/0.20	0.60/0.90	0.040	0.050	1018
C 1020	0.18/0.23	0.30/0.60	0.040	0.050	1020
C 1023	0.20/0.25	0.30/0.60	0.040	0.050	—
C 1025	0.22/0.28	0.30/0.60	0.040	0.050	1025
C 1030	0.28/0.34	0.60/0.90	0.040	0.050	1030
C 1035	0.32/0.38	0.60/0.90	0.040	0.050	1035
C 1040	0.37/0.44	0.60/0.90	0.040	0.050	1040
C 1045	0.43/0.50	0.60/0.90	0.040	0.050	1045
C 1050	0.48/0.55	0.60/0.90	0.040	0.050	1050
C 1055	0.50/0.60	0.60/0.90	0.040	0.050	1055
C 1060	0.55/0.65	0.60/0.90	0.040	0.050	1060
C 1065	0.60/0.70	0.60/0.90	0.040	0.050	1065
C 1070	0.65/0.75	0.60/0.90	0.040	0.050	1070
C 1080	0.75/0.88	0.60/0.90	0.040	0.050	1080
C 1085	0.80/0.93	0.70/1.00	0.040	0.050	1085
C 1095	0.90/1.03	0.30/0.50	0.040	0.050	1095
B 1010	0.13 max.	0.30/0.60	0.07/0.12	0.060	—

Acid Bessemer steels not furnished to specified silicone content.

AISI GRADE DESIGNATION	SILICON LIMITATION
Up to C 1015 Excl.	.10 Max.
C 1015 to C 1025 incl.	.10 Max. 10-20 or 15-30
Over C 1025	10-20 or 15-30

Copper: When required, copper is specified as an added element to a standard steel.

STANDARD CHEMICAL COMPOSITIONS FOR CARBON STEELS (continued)

Basic Open-Hearth and Acid Bessemer Resulphurized Steels

AISI No.	C	Mn.	P Max.	S Max.	SAE No
C 1108	0.08/0.13	0.50/0.80	0.040	0.08/0.13	—
C 1110	0.08/0.13	0.30/0.60	0.040	0.08/0.13	—
C 1115	0.13/0.18	0.60/0.90	0.040	0.08/0.13	1115
C 1117	0.14/0.20	1.00/1.30	0.040	0.08/0.13	1117
C 1118	0.14/0.20	1.30/1.60	0.040	0.08/0.13	1118
C 1120	0.18/0.23	0.70/1.00	0.040	0.08/0.13	1120
C 1137	0.32/0.39	1.35/1.65	0.040	0.08/0.13	1137
C 1141	0.37/0.45	1.35/1.65	0.040	0.08/0.13	1141
B 1112	0.13 max.	0.70/1.00	0.07/0.12	0.16/0.23	1112
B 1113	0.13 max.	0.70/1.00	0.07/0.12	0.24/0.33	1113

Resulphurized steels nots subject to check analysis for sulpher

Acid Bessemer steels not furnished to specified silicon content.

AISI GRADE DESIGNATION	SILICONE LIMITATIONS
Up to C 1113 Excl.	.10 Max.
C 1113 and Over	.10 Max. .10-.20 or .15-.30

Basic Open Hearth Rephosphorized and Resulphurized Steels

AISI No.	C	Mn.	P	S	SAE No.
C 1211	0.13 max.	0.60/0.90	0.07/0.12	0.08/0.15	—
C 1212	0.13 max.	0.70/1.00	0.07/0.12	0.16/0.23	—
C 1213	0.13 max.	0.70/1.00	0.07/0.12	0.24/0.33	—

Note: Rephosphorized and Resulphurized steels not subject to check analysis for phosphorus and sulphur. Rephosphorized and Resulphurized steels not furnished to specified silicon content.

PHYSICAL PROPERTIES OF STEEL

These properties are approximate and are listed here only as a guide to what may be expected from the grades given.

AISI No.	Condition	Tensile Strength Lb. per Sq. In.	Yield Point or Yield Strgth[1] Lb. per Sq. In.	Elong 2" Per Cent	Reduction of Area Per Cent	Brinell
C-1008	Hot Rolled	45000/55000	26000	45	65	90/124
	Cold Drawn	52000/62000	49000	30	55	114/143
C-1010	Hot Rolled	48000/58000	30000	38	65	95/134
	Cold Drawn	55000/65000	50000	25	52	124/162
C-1015	Hot Rolled	50000/70000	32000	35	60	105/143
	Cold Drawn	62000/77000	65000	19	50	124/171
C-1016	Hot Rolled	52000/70000	32000	35	60	105/143
	Cold Drawn	65000/80000	65000	19	50	133/171
C-1017	Hot Rolled	50000/70000	32000	35	60	105/143
C-1018	Cold Drawn	72000/85000	62000	20	54	168
C-1019	Hot Rolled	52000/70000	32000	35	60	105/143
	Cold Drawn	65000/80000	65000	19	50	133/171
C-1020	Hot Rolled	54000/70000	32000	35	60	109/152
	Cold Drawn	66000/81000	67000	18	50	133/181
C-1022	Hot Rolled	55000/70000	32000	35	55	114/153
	Cold Drawn	67000/82000	69000	17	50	143/190
C-1025	Hot Rolled	60000/75000	35000	30	55	124/171
	Cold Drawn	70000/85000	70000	17	50	143/190
C-1030	Hot Rolled	65000/80000	38000	30	55	133/181
	Cold Drawn	75000/90000	75000	15	45	152/200
	[3]WQ 1600°F					
	Draw 1000°F	90000	65000	20	60	162/219
C-1035	Hot Rolled	70000/85000	43000	25	50	143/190
	Cold Drawn	80000/100000	80000	12	45	171/209
	[3]WQ 1525°F					
	Draw 1000°F	95000	68000	18	55	181/228

PHYSICAL PROPERTIES OF STEEL (continued)

These properties are approximate and are listed here only as a guide to what may be expected from the grades given.

A.I.S.I. No.	Condition	Tensile Strength Lb. per Sq. In.	Yield Point or Yield Strgth[1] Lb. per Sq. In.	Elong 2" Per Cent	Reduction of Area Per Cent	Brinell
C-1040	Hot Rolled	75000/90000	48000	25	45	152/190
	Cold Drawn	85000/105000	80000	11	40	181/219
	[4]QQ 1550°F					
	Draw 1000°F	100000	62000	22	50	200/247
C-1045	Hot Rolled	80000/95000	50000	25	40	162/200
	Cold Drawn	90000/110000	85000	10	40	190/228
	[4]OQ 1500°F					
	Draw 1000°F	105000	65000	20	45	209/247
C-1050	Hot Rolled	90000/110000	55000	20	35	171/228
	Cold Drawn	100000/120000	90000	10	35	200/247
	[4]OQ 1500°F					
	Draw 1000°F	115000	75000	17	40	219/266
C-1095	Hot Rolled	140000	75000	8	10	296
	[4]OQ 1475°F					
	Draw 1000°F	175000	120000	10	20	375
B-1010	Hot Rolled	50000/70000	35000	35	55	101/140
	Cold Drawn	65000/80000	60000	17	50	131/170
C-1115	Hot Rolled	55000/70000	40000	35	55	107/146
	Cold Drawn	65000/80000	60000	20	50	140/179
C-1117	Hot Rolled	52000/67000	35000	35	55	109/153
	Cold Drawn	70000/85000	65000	21	45	143/179
C-1118	Hot Rolled	55000/72000	40000	35	55	109/153
	Cold Drawn	70000/90000	65000	19	45	143/179
C-1120	Hot Rolled	55000/70000	32000	35	55	109/153
B-1112	Hot Rolled	55000/70000	35000	20	50	118/133
B-1113	Cold Drawn	80000/95000	75000	15	45	156/212