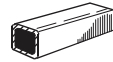


SECTION 6

Tube & Pipe

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STEEL TUBING SQUARE WELDED



Produced to O.D. and Wall Dimensions

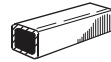
Low Carbon Mechanical

ASTM A 513 Flash In

Stock Lengths: 20', 24', 40' Random

Size & Ga.	Wall	I.D.	Lbs. per Ft.
3/8 x 3/8			
16	.065	.245	.2740
1/2 x 1/2			
18	.049	.402	.3005
16	.065	.370	.3845
5/8 x 5/8			
18	.049	.527	.3838
16	.065	.495	.4950
3/4 x 3/4			
18	.049	.652	.4671
16	.065	.620	.6055
14	.083	.584	.7529
11	.120	.510	1.028
7/8 x 7/8			
18	.049	.777	.5504
16	.065	.745	.7160
1 x 1			
18	.049	.902	.6337
16	.065	.870	.8265
15	.072	.854	.9100
14	.083	.834	1.035
12	.109	.782	1.321
11	.120	.760	1.436
1 1/8 x 1 1/8			
18	.049	1.027	.7170
1 1/4 x 1 1/4			
18	.049	1.152	.8003
16	.065	1.120	1.048
14	.083	1.084	1.317
13	.095	1.060	1.492
12	.109	1.032	1.691
11	.120	1.010	1.844
1 1/2 x 1 1/2			
18	.049	1.402	.9669
16	.065	1.370	1.269
14	.083	1.334	1.600
13	.095	1.310	1.815
12	.109	1.282	2.062
11	.120	1.260	2.252
1 3/4 x 1 3/4			
16	.065	1.620	1.490
14	.083	1.584	1.882
11	.120	1.510	2.660
2 x 2			
16	.065	1.870	1.711
14	.083	1.834	2.164
13	.095	1.810	2.461
12	.109	1.782	2.800
11	.120	1.760	3.068
2 1/4 x 2 1/4			
16	.065	2.120	1.932

STEEL TUBING SQUARE WELDED



Produced to O.D. and Wall Dimensions

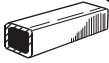
Low Carbon Mechanical

ASTM A 513 Flash In

Stock Lengths: 20', 24', 40' Random

Size & Ga.	Wall	I.D.	Lbs. per Ft.
2¹/₂ x 2¹/₂			
16	.065	2.370	2.153
14	.083	2.334	2.728
12	.109	2.282	3.544
3 x 3			
14	.083	2.834	3.293

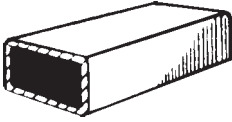
STEEL TUBING SQUARE STRUCTURAL WELDED*



ASTM A 500 Grade B/C
Stock Lengths 20, 24, and 40 Ft. Random

Size in Inches	Wall	Lbs. per Ft.
1¹/₄ x 1¹/₄	x .188	2.40
1¹/₂ x 1¹/₂	x .188	3.23
	x .250	4.00
1³/₄ x 1³/₄	x .188	3.68
2 x 2	x .125	3.05
	x .188	4.32
	x .250	5.41
2¹/₂ x 2¹/₂	x .125	3.90
	x .188	5.59
	x .250	7.11
3 x 3	x .125	4.75
	x .188	6.87
	x .250	8.81
	x .313	10.58
	x .375	12.50
3¹/₂ x 3¹/₂	x .125	5.61
	x .188	8.15
	x .250	10.51
	x .313	12.70
4 x 4	x .125	6.46
	x .188	9.42
	x .250	12.21
	x .313	14.83
	x .375	17.27
4¹/₂ x 4¹/₂	x .188	21.63
5 x 5	x .188	10.70
	x .188	11.97
	x .250	15.62
	x .313	19.08
	x .375	22.37
	x .500	28.43
6 x 6	x .188	14.53
	x .250	19.02
	x .313	23.34
	x .375	27.48
	x .500	35.24

TUBE & PIPE



Rectangular Tubing

ASTM A500 Grade B & A513

Possible Stock Lengths 20 Ft., 24 Ft.

40 Ft. and 48 Ft.

* Stocked in ASTM A-513

Size in Inches	Gauge	Wall Thickness	Lbs. Per Ft.
2 x 1*	16	.065	0.606
	14	.083	1.600
	11	.120	2.252
2 x 1 1/2*	3/16	.188	3.040
	14	.083	1.882
	11	.120	2.660
2 1/2 x 1 1/2*	14	.083	2.164
	11	.120	3.068
	3/16	.188	4.320
3 x 1	14	.083	2.146
	11	.120	3.068
	3/16	.188	4.327
3 x 1 1/2	14	.083	2.446
	11	.120	3.476
	3/16	.188	5.97
3 x 2	11	.120	3.90
	3/16	.188	5.59
	1/4	.250	7.11
4 x 2	11	.120	4.75
	3/16	.188	6.87
	1/4	.250	8.81
4 x 3	3/8	.375	12.165
	11	.120	5.61
	3/16	.188	8.15
	1/4	.250	10.51
5 x 2	3/8	.375	14.717
	3/16	.188	8.15
	1/4	.250	10.51
5 x 3	3/8	.375	14.717
	3/16	.188	9.42
	1/4	.250	12.21
6 x 2	3/8	.375	17.27
	3/16	.188	9.42
	1/4	.250	12.21
6 x 3	3/8	.375	17.269
	3/16	.188	10.70
	1/4	.250	13.91
	3/8	.375	19.82
6 x 4	1/2	.500	25.029
	1/4	.250	15.62
	5/16	.313	19.08
	3/8	.375	22.37
7 x 4	1/2	.500	28.43
	3/16	.188	14.53

TUBE & PIPE

Rectangular Tubing (con't)

Size in Inches	Gauge	Wall Thickness	Lbs. Per Ft.
7 x 5	1/4	.250	19.02
	3/16	.188	14.53
	5/16	.313	23.34
8 x 2	3/8	.375	27.48
	1/2	.500	35.24
	3/16	.188	11.97
8 x 3	1/4	.250	15.62
	3/16	.188	13.25
	1/4	.250	17.32
8 x 4	3/8	.375	24.93
	3/16	.188	14.53
	1/4	.250	19.02
8 x 6	5/16	.313	23.34
	3/8	.375	27.48
	1/2	.500	35.24
10 x 2	3/16	.188	17.08
	1/4	.250	22.42
	5/16	.313	27.59
10 x 4	3/8	.375	32.58
	1/2	.500	42.05
	3/16	.188	14.53
10 x 6	1/4	.250	19.02
	3/16	.188	17.08
	1/4	.250	22.42
10 x 8	5/16	.313	27.59
	3/8	.375	32.58
	1/2	.500	42.05
12 x 4	1/4	.250	25.82
	5/16	.313	31.84
	3/8	.375	37.69
12 x 6	1/2	.500	48.85
	1/4	.250	29.23
	3/8	.375	42.79
12 x 8	1/2	.500	55.66
	3/16	.188	19.63
	1/4	.250	25.82
12 x 8	5/16	.313	31.84
	3/8	.375	37.69
	1/2	.500	48.85
12 x 8	1/4	.250	29.23
	5/16	.313	36.10
	3/8	.375	42.79
12 x 8	1/2	.500	55.66
	1/4	.250	32.63
	5/16	.313	40.35
12 x 8	3/8	.375	47.90
	1/2	.500	62.46
	5/8	.625	76.33

TUBE & PIPE

Rectangular Tubing (con't)

Size in Inches	Gauge	Wall Thickness	Lbs. Per Ft.
12 x 10	1/4	.250	36.03
	3/8	.375	49.86
	1/2	.500	63.68
14 x 4	1/4	.250	29.23
	3/8	.375	42.79
	1/2	.500	55.66
14 x 6	1/4	.250	32.63
	3/8	.375	47.90
	1/2	.500	62.46
16 x 4	1/4	.250	32.63
	3/8	.375	47.90
	1/2	.500	62.46
16 x 8	1/4	.250	39.43
	3/8	.375	58.10
	1/2	.500	76.09

STEEL TUBING DESCRIPTIVE INFORMATION ROUND MECHANICAL



Cold Drawn Seamless

1026 ASTM A 519

Cold Drawn Seamless Tube is normally drawn to O.D. and I.D. dimensions.
Certain sizes must be drawn to O.D. and Wall dimensions and are so noted.

Random Lengths 8 to 24 Ft.

Hot Finished Seamless

1026 ASTM A 519 (except tolerance)

Hot Finished Tube is produced to O.D. and Wall dimensions.

Random Lengths 8 to 24 Ft.

Welded D.O.M.

Drawn Over Mandrel — Tested

Up to 4" O.D. Inclusive (10 Ga. Wall and Lighter) 1020

All other sizes (O.D.'s and Walls) 1026

ASTM A 513 Type 5

An Electric Welded Tube with all weld flash removed.

Tested for weld soundness, drawn over a mandrel and retested.

This product is superior in finish and wall uniformity to seamless tubing.
Normally drawn to O.D. and I.D. dimensions and exceptions are so noted.

Random Lengths 8 to 24 Ft.

Electric Welded

Up to 6" O.D. Inclusive — MT 1010

Cold Rolled and Hot Rolled

Up to 6¹/₂" O.D. Inclusive ASTM A 513 CR Type 2, HR Type 1

6⁵/₈" O.D. & Over (No ASTM)

An Electric Resistance Welded Tube

Under 1" O.D. — Flash In

1" O.D. & Larger — Flash Controlled

Electric Welded Tubing is produced to O.D. and Wall dimensions.

This is the least expensive mechanical tubing.

It is produced from low carbon steel and possesses relatively good cold
working characteristics.

Random Lengths 20 Ft.

Cold Drawn Butt Welded

10 Ga. Wall and Lighter - 1020

All other sizes - 1026

ASTM A 512

The least expensive drawn tube.

Produced from Electric Resistance Welded hollows.

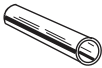
Drawn to O.D. and I.D. dimensions. Not intended for pressure applications.

Random Lengths 8 to 24 Ft.



**Hydraulic-Line
Square Welded
Square Structural
Rectangular Welded
Rectangular Structural
Pipe & Pipe Size Tube**

Harbor Steel



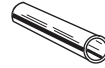
STEEL TUBING ROUND MECHANICAL

**SEAMLESS DOM WELDED
ELECTRIC WELDED**

O.D. & Ga.	Wall	I.D.	Lbs. Per Ft.	C.D. Seamless	DOM Welded	Electric Welded*
1/8 x						
24	.022	.081	.0242	X	..	..
5/32 x						
22	.028	.100	.0383	X	..	..
21	.032	.092	.0424	X	..	..
3/16 x						
24	.022	.144	.0390	X	..	..
22	.028	.132	.0478	X	..	..
20	.035	.118	.0572	X	..	..
18	.049	.090	.0727	X	..	..
17	.058	.072	.0805	X	..	..
16	.065	.058	.0854	X	..	..
7/32 x						
20	.035	.149	.0688	X	..	..
1/4 x						
24	.022	.206	.0536	..	X	..
23	.025	.200	.0601	..	X	..
22	.028	.194	.0664	..	X	..
20	.035	.180	.0804	..	X	..
19	.042	.166	.0933	..	X	..
18	.049	.152	.1052	..	X	..
16	.065	.120	.1284	..	X	..
14	.083	.084	.1480	X	..	..
13	.095	.060	.1573	X	..	..
9/32 x						
18	.049	.183	.1214	..	X	..
5/16 x						
24	.022	.269	.0684	..	X	..
22	.028	.257	.0852	..	X	..
20	.035	.243	.1039	..	X	..
18	.049	.215	.1382	..	X	..
17	.058	.197	.1580	..	X	..
16	.065	.183	.1722	..	X	..
14	.083	.147	.2039	..	X	..
11/32 x						
21	.032	.280	.1066	..	X	..
3/8 x						
24	.022	.331	.0829	..	X	..
22	.028	.319	.1038	..	X	X
20	.035	.305	.1271	..	X	X
18	.049	.277	.1706	..	X	X

* Produced to O.D. and Wall dimensions

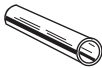
STEEL TUBING ROUND MECHANICAL



**SEAMLESS DOM WELDED
ELECTRIC WELDED**

O.D. & Ga.	Wall	I.D.	Lbs. Per Ft.	C.D. Seamless	DOM Welded	Electric Welded*
3/8 x						
17	.058	.259	.1964	..	X	..
16	.065	.245	.2152	..	X	X
14	.083	.209	.2588	..	X	..
13	.095	.185	.2841	X	..	..
12	.109	.157	.3097	..	X	..
10	.134	.107	.3449	X	..	..
13/32 x						
16	.065	.276	.2367	..	X	..
14	.083	.240	.2863	..	X	..
13	.095	.216	.3155	..	X	..
7/16 x						
22	.028	.382	.1226	..	X	..
20	.035	.368	.1506	..	X	..
18	.049	.340	.2036	..	X	X
17	.058	.322	.2354	..	X	..
16	.065	.308	.2589	..	X	X
14	.083	.272	.3147	..	X	..
13	.095	.248	.3480	..	X	..
1/8	.125	.188	.4179	..	X	..
1/2 x						
24	.022	.456	.1123	..	X	..
22	.028	.444	.1411	..	X	..
21	.032	.436	.1599	..	X	..
20	.035	.430	.1738	..	X	X
19	.042	.416	.2054	..	X	..
18	.049	.402	.2360	..	X	X
17	.058	.384	.2738	..	X	..
16	.065	.370	.3020	..	X	X
15	.072	.356	.3291	..	X	..
14	.083	.334	.3696	..	X	..
13	.095	.310	.4109	..	X	..
12	.109	.282	.4552	..	X	..
11	.120	.260	.4870	..	X	..
1/8	.125	.250	.5006	..	X	..
10	.134	.232	.5238	..	X	..
5/32	.156	.188	.5731	..	X	..
17/32 x						
16	.065	.401	.3235	..	X	..
14	.083	.365	.3971	..	X	..
1/8	.125	.281	.5420	..	X	..

*Produced to O.D. and Wall dimensions



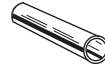
STEEL TUBING ROUND MECHANICAL

**SEAMLESS DOM WELDED
ELECTRIC WELDED**

O.D. & Ga.	Wall	I.D.	Lbs. Per Ft.	C.D. Seamless	DOM Welded	Electric Welded*
9/16 x						
22	.028	.507	.1600	..	X	..
20	.035	.493	.1974	..	X	..
18	.049	.465	.2690	..	X	X
16	.065	.433	.3457	..	X	X
14	.083	.397	.4255	..	X	..
13	.095	.373	.4748	..	X	..
12	.109	.345	.5285	..	X	..
1/8	.125	.313	.5847	..	X	..
5/8 x						
22	.028	.569	.1785	..	X	X
20	.035	.555	.2205	..	X	X
18	.049	.527	.3014	..	X	X
17	.058	.509	.3512	..	X	..
16	.065	.495	.3888	..	X	X
15	.072	.481	.4252	..	X	..
14	.083	.459	.4805	..	X	X
13	.095	.435	.5377	..	X	..
12	.109	.407	.6007	..	X	..
11	.120	.385	.6472	..	X	..
1/8	.125	.375	.6675	..	X	..
10	.134	.357	.7027	..	X	..
5/32	.156	.313	.7814	..	X	..
3/16	.188	.249	.8774	..	X*	..
7/32	.219	.187	.9496	..	X*	..
21/32 x						
13	.095	.466	.5692	..	X	..
11/16 x						
22	.028	.632	.1974	..	X	..
21	.032	.624	.2242	..	X	..
18	.049	.590	.3344	..	X	..
16	.065	.558	.4325	..	X	X
14	.083	.522	.5363	..	X	..
13	.095	.498	.6017	..	X	..
12	.109	.470	.6740	..	X	..
11	.120	.448	.7279	..	X	..
1/8	.125	.438	.7516	..	X	..
10	.134	.420	.7928	..	X	..
5/32	.156	.376	.8864	..	X	..
7/32	.219	.250	1.097	..	X*	..
3/4 x						
22	.028	.694	.2159	..	X	..
20	.035	.680	.2673	..	X	X
18	.049	.652	.3668	..	X	X

*Produced to O.D. and Wall dimensions

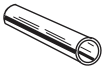
STEEL TUBING ROUND MECHANICAL



SEAMLESS DOM WELDED
ELECTRIC WELDED C.D. BUTT WELDED

O.D. & Ga.	Wall	I.D.	Lbs. Per Ft.	C.D. Seamless	DOM Welded	Electric Welded*	C.D. Butt Welded
3/4 x							
17	.058	.634	.4287	..	X	..	..
16	.065	.620	.4755	..	X	X**	..
14	.083	.584	.5913	..	X	X	..
13	.095	.560	.6646	..	X	X	..
12	.109	.532	.7462	..	X	X	..
11	.120	.510	.8074	..	X	X	..
1 1/8	.125	.500	.8344	..	X	..	..
10	.134	.482	.8816	..	X	..	X
5/32	.156	.438	.9897	..	X	..	..
11/64	.172	.406	1.062	..	X	..	..
3/16	.188	.374	1.128	..	X	..	..
7/32	.219	.312	1.242	..	X*	..	..
1/4	.250	.250	1.335	..	X*	..	..
13/16 x							
22	.028	.757	.2347	..	X	..	..
20	.035	.743	.2908	..	X	..	..
18	.049	.715	.3998	..	X	..	..
16	.065	.683	.5193	..	X	X	..
14	.083	.647	.6471	..	X	..	..
13	.095	.623	.7285	..	X	..	..
12	.109	.595	.8195	..	X	..	..
11	.120	.573	.8881	..	X	..	..
1 1/8	.125	.563	.9185	..	X	..	..
10	.134	.545	.9717	..	X	..	..
5/32	.156	.501	1.095	..	X	..	..
3/16	.188	.437	1.255	..	X	..	..
7/32	.219	.375	1.389	..	X	..	..
1/4	.250	.313	1.503	..	X*	..	..
27/32 x							
12	.109	.626	.8556	..	X	..	..
5/32	.156	.532	1.146	..	X	..	..
7/8 x							
21	.032	.811	.2881	..	X	..	..
20	.035	.805	.3140	..	X	X	..
18	.049	.777	.4323	..	X	X	..
17	.058	.759	.5061	..	X	..	..
16	.065	.745	.5623	..	X	X	..
15	.072	.731	.6175	..	X	..	..
14	.083	.709	.7021	..	X	X	..
13	.095	.685	.7914	..	X	X	..
12	.109	.657	.8917	..	X	..	..
11	.120	.635	.9676	..	X	X	..
1 1/8	.125	.625	1.001	..	X	..	..
10	.134	.607	1.061	..	X	..	..
5/32	.156	.563	1.198	..	X	..	X
3/16	.188	.499	1.379	..	X	..	..
7/32	.219	.437	1.534	..	X	..	..
1/4	.250	.375	1.669	..	X*	..	..
9/32	.281	.313	1.783	..	X*	..	..

*Produced to O.D. and Wall dimensions



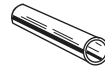
STEEL TUBING ROUND MECHANICAL

SEAMLESS DOM WELDED
ELECTRIC WELDED C.D. BUTT WELDED

O.D. & Ga.	Wall	I.D.	Lbs. Per Ft.	C.D. Seamless	DOM Welded	Electric Welded*	C.D. Butt Welded
15/16 x							
20	.035	.868	.3375	..	X	..	..
18	.049	.840	.4652	..	X	..	..
16	.065	.808	.6060	..	X	..	..
14	.083	.772	.7579	..	X	..	..
13	.095	.748	.8553	..	X	..	..
1 1/8	.125	.688	1.085	..	X	..	..
10	.134	.670	1.151	..	X	..	..
5/32	.156	.626	1.303	..	X	..	..
3/16	.188	.562	1.506	..	X	..	..
1/4	.250	.438	1.837	..	X	..	..
1 x							
22	.028	.944	.2907	..	X	..	..
20	.035	.930	.3607	..	X	X	..
18	.049	.902	.4977	..	X	X	..
17	.058	.884	.5835	..	X	..	..
16	.065	.870	.6491	..	X	X	..
15	.072	.856	.7136	..	X	..	..
14	.083	.834	.8129	..	X	X	..
13	.095	.810	.9182	..	X	X	..
12	.109	.782	1.037	..	X	X	..
11	.120	.760	1.128	..	X	X	..
1 1/8	.125	.750	1.168	..	X	..	..
10	.134	.732	1.239	..	X	..	..
5/32	.156	.688	1.406	..	X	..	..
1 1/64	.172	.656	1.521	..	X	..	..
7	.180	.640	1.576	..	X	..	..
3/16	.188	.624	1.630	..	X	..	..
7/32	.219	.562	1.827	..	X	..	..
1/4	.250	.500	2.003	..	X	..	..
9/32	.281	.438	2.158	..	X	..	..
3/8	.375	.250	2.503	..	X	..	..
1 1/16 x							
20	.035	.993	.3843	..	X	..	..
18	.049	.965	.5306	..	X	..	..
16	.065	.933	.6928	..	X	X	..
14	.083	.897	.8687	..	X	..	..
13	.095	.873	.9821	..	X	..	..
12	.109	.845	1.111	..	X	..	..
11	.120	.823	1.209	..	X	..	..
1 1/8	.125	.813	1.252	..	X	..	..
10	.134	.795	1.330	..	X	..	..
5/32	.156	.751	1.511	..	X	..	..
3/16	.188	.687	1.757	..	X	..	..
7/32	.219	.625	1.974	..	X	..	..
1/4	.250	.563	2.171	..	X	..	..
5/16	.313	.437	2.507	X*	..	..	..

* Produced to O.D. and Wall dimensions

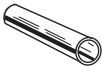
STEEL TUBING ROUND MECHANICAL



SEAMLESS DOM WELDED
ELECTRIC WELDED C.D. BUTT WELDED

O.D. & Ga.	Wall	I.D.	Lbs. Per Ft.	C.D. Seamless	DOM Welded	Electric Welded*	C.D. Butt Welded
1 1/8 x							
20	.035	1.055	.4074	..	X	X	..
18	.049	1.027	.5631	..	X	X	..
17	.058	1.009	.6609	..	X	..	..
16	.065	.995	.7359	..	X	X	..
14	.083	.959	.9237	..	X	X	..
13	.095	.935	1.045	..	X	..	..
12	.109	.907	1.183	..	X	..	..
11	.120	.885	1.288	..	X	X	..
1 1/8	.125	.875	1.335	..	X	..	..
10	.134	.857	1.418	..	X	..	X
5/32	.156	.813	1.614	..	X	..	..
11/64	.172	.781	1.751	..	X	..	..
3/16	.188	.749	1.881	..	X	..	X
7/32	.219	.687	2.119	..	X	..	..
1/4	.250	.625	2.336	..	X	..	X
9/32	.281	.563	2.533	..	X	..	..
5/16	.313	.499	2.714	..	X	..	..
3/8	.375	.375	3.004	X*	X	..	..
1 3/16 x							
21	.032	1.124	.3951	..	X	..	..
20	.035	1.118	.4310	..	X	..	..
18	.049	1.090	.5961	..	X	..	..
16	.065	1.058	.7796	..	X	X	..
14	.083	1.022	.9795	..	X	..	..
13	.095	.998	1.109	..	X	..	..
1 1/8	.125	.938	1.419	..	X	..	..
5/32	.156	.876	1.719	..	X	..	..
3/16	.188	.812	2.008	..	X	..	..
7/32	.219	.750	2.266	..	X	..	..
1/4	.250	.688	2.505	..	X	..	..
5/16	.313	.562	2.925	..	X	..	..
1 1/4 x							
22	.028	1.194	.3654	..	X	..	..
20	.035	1.180	.4542	..	X	X	..
18	.049	1.152	.6285	..	X	X	..
16	.065	1.120	.8226	..	X	X	..
14	.083	1.084	1.035	..	X	X	..
13	.095	1.060	1.172	..	X	X	..
12	.109	1.032	1.328	..	X	X	..
11	.120	1.010	1.448	..	X	X	..
1 1/8	.125	1.000	1.502	..	X	..	..
10	.134	.982	1.597	..	X	..	..
5/32	.156	.938	1.823	..	X	..	X
3/16	.188	.874	2.132	..	X	..	..
7/32	.219	.812	2.411	..	X	..	..
1/4	.250	.750	2.670	..	X	..	..
9/32	.281	.688	2.908	..	X	..	..
5/16	.313	.624	3.132	..	X	..	..
11/32	.344	.562	3.329	..	X	..	..
3/8	.375	.500	3.504	..	X	..	..
7/16	.438	.374	3.798	X*	..	..	..

* Produced to O.D. and Wall dimensions



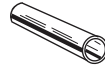
STEEL TUBING ROUND MECHANICAL

SEAMLESS DOM WELDED
ELECTRIC WELDED C.D. BUTT WELDED

O.D. & Ga.	Wall	I.D.	Lbs. Per Ft.	C.D. Seamless	DOM Welded	Electric Welded*	C.D. Butt Welded
1⁵/₁₆ x							
20	.035	1.243	.4777	..	X	..	..
17	.058	1.197	.7774	..	X	..	..
16	.065	1.183	.8664	..	X	..	..
14	.083	1.147	1.090	..	X	..	..
13	.095	1.123	1.236	..	X	..	..
12	.109	1.095	1.402	..	X	..	..
11	.120	1.073	1.529	..	X	..	..
1¹/₈	.125	1.063	1.586	..	X	..	..
10	.134	1.045	1.687	..	X	..	..
9	.148	1.017	1.841	..	X	..	..
5³/₃₂	.156	1.001	1.928	..	X	..	X
3³/₁₆	.188	.937	2.259	..	X	..	..
7³/₃₂	.219	.875	2.559	..	X	..	..
1¹/₄	.250	.813	2.838	..	X	..	..
9³/₃₂	.281	.751	3.097	..	X	..	..
5¹/₁₆	.313	.687	3.343	..	X	..	..
3³/₈	.375	.563	3.757	..	X*	..	..
1³/₈ x							
22	.028	1.319	.4028	..	X	..	..
20	.035	1.305	.5009	..	..	X	..
18	.049	1.277	.6939	..	X	X	..
17	.058	1.259	.8158	..	X	..	..
16	.065	1.245	.9094	..	X	X	..
14	.083	1.209	1.145	..	X	X	..
13	.095	1.185	1.299	..	X	..	..
12	.109	1.157	1.474	..	X	..	..
11	.120	1.135	1.608	..	X	X	..
1¹/₈	.125	1.125	1.669	..	X	..	..
10	.134	1.107	1.776	..	X	..	..
5³/₃₂	.156	1.063	2.031	..	X	..	..
1¹/₁₆	.172	1.031	2.210	..	X	..	..
3³/₁₆	.188	.999	2.383	..	X	..	..
7³/₃₂	.219	.937	2.704	..	X	..	..
1¹/₄	.250	.875	3.004	..	X	..	..
9³/₃₂	.281	.813	3.283	..	X	..	..
5¹/₁₆	.313	.749	3.550	..	X	..	..
3³/₈	.375	.625	4.005	..	X	..	..
1⁷/₁₆ x							
16	.065	1.308	.9531	..	X	..	..
14	.083	1.272	1.201	..	X	..	..
13	.095	1.248	1.363	..	X	..	..
11	.120	1.198	1.689	..	X	..	..
1¹/₈	.125	1.188	1.753	..	X	..	..
5³/₃₂	.156	1.126	2.136	..	X	..	..
3³/₁₆	.188	1.062	2.510	..	X	..	..
7³/₃₂	.219	1.000	2.851	..	X	..	..
1¹/₄	.250	.938	3.172	..	X	..	..

*Produced to O.D. and Wall dimensions

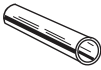
STEEL TUBING ROUND MECHANICAL



SEAMLESS DOM WELDED
ELECTRIC WELDED C.D. BUTT WELDED

O.D. & Ga.	Wall	I.D.	Lbs. Per Ft.	C.D. Seamless	DOM Welded	Electric Welded*	C.D. Butt Welded
1 1/2 x							
20	.035	1.430	.5476	..	X	X	..
18	.049	1.402	.7593	..	X	X	..
17	.058	1.384	.8932	..	X	..	..
16	.065	1.370	.9962	..	X	X	..
14	.083	1.334	1.256	..	X	X	..
13	.095	1.310	1.426	..	X	X	..
12	.109	1.282	1.619	..	X	X	..
11	.120	1.260	1.769	..	X	X	..
10	.125	1.250	1.836	..	X	..	..
10	.134	1.232	1.955	..	X	X	..
5/32	.156	1.188	2.239	..	X	..	..
3/16	.188	1.124	2.634	..	X	..	..
7/32	.219	1.062	2.996	..	X	..	..
1/4	.250	1.000	3.338	..	X	..	..
9/32	.281	.938	3.658	..	X	..	..
5/16	.313	.874	3.968	..	X	..	..
11/32	.344	.812	4.247	..	X	..	..
3/8	.375	.750	4.506	..	X	..	..
7/16	.438	.624	4.968	X*	X	..	..
1/2	.500	.500	5.340	X*	..	..	..
1 9/16 x							
20	.035	1.493	.5712	..	X	..	..
16	.065	1.433	1.040	..	X	..	..
13	.095	1.373	1.489	..	X	..	..
12	.109	1.345	1.693	..	X	..	..
11	.125	1.313	1.920	..	X	..	..
10	.134	1.295	2.045	..	X	..	..
10	.156	1.251	2.344	..	X	..	..
5/32	.188	1.187	2.761	..	X	..	..
3/16	.250	1.063	3.506	..	X	..	..
5/16	.313	.937	4.179	..	X	..	..
3/8	.375	.813	4.758	..	X	..	..
1 5/8 x							
20	.035	1.555	.5943	..	..	X	..
18	.049	1.527	.8248	..	X	X	..
17	.058	1.509	.9707	..	X	..	..
16	.065	1.495	1.083	..	X	X	..
14	.083	1.459	1.367	..	X	X	..
13	.095	1.435	1.552	..	X	..	..
12	.109	1.407	1.765	..	X	..	..
11	.120	1.385	1.929	..	X	X	..
10	.125	1.375	2.003	..	X	..	..
10	.134	1.357	2.134	..	X	..	X
5/32	.156	1.313	2.448	..	X	..	..
11/64	.172	1.281	2.669	..	X	..	..
3/16	.188	1.249	2.885	..	X	..	..
7/32	.219	1.187	3.289	..	X	..	X
1/4	.250	1.125	3.671	..	X	..	..
9/32	.281	1.063	4.034	..	X	..	..
5/16	.313	.999	4.386	..	X	..	..
3/8	.375	.875	5.006	..	X	..	..
7/16	.438	.749	5.553	X*	..	..	..
1/2	.500	.625	6.008	X*	..	..	..

* Produced to O.D. and Wall dimensions



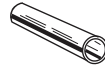
STEEL TUBING ROUND MECHANICAL

SEAMLESS DOM WELDED
ELECTRIC WELDED C.D. BUTT WELDED

O.D. & Ga.	Wall	I.D.	Lbs. Per Ft.	C.D. Seamless	DOM Welded	Electric Welded*	C.D. Butt Welded
1¹¹/₁₆ x							
16	.065	1.558	1.127	..	X	..	..
1¹/₈	.125	1.438	2.087	..	X	..	..
5³²	.156	1.376	2.552	..	X	..	..
3¹⁶	.188	1.312	3.012	..	X	..	..
1⁴	.250	1.188	3.840	..	X	..	..
1³/₄ x							
20	.035	1.680	.6411	..	X	..	..
18	.049	1.652	.8902	..	X	X	..
16	.065	1.620	1.170	..	X	X	..
14	.083	1.584	1.478	..	X	X	..
13	.095	1.560	1.679	..	X	X	..
12	.109	1.532	1.910	..	X	..	..
11	.120	1.510	2.089	..	..	X	..
1¹/₈	.125	1.500	2.169	..	X	..	..
10	.134	1.482	2.313	..	X	..	..
5³²	.156	1.438	2.656	..	X	..	..
3¹⁶	.188	1.374	3.136	..	X	..	..
7³²	.219	1.312	3.581	..	X	..	..
1⁴	.250	1.250	4.005	..	X	..	..
9³²	.281	1.188	4.409	..	X	..	..
5¹⁶	.313	1.124	4.804	..	X	..	..
3⁸	.375	1.000	5.507	..	X	..	..
7¹⁶	.438	.874	6.137	X	..	..	..
1²	.500	.750	6.675	X*	..	..	..
9¹⁶	.563	.624	7.137	X*	..	..	..
5⁸	.625	.500	7.509	X*	..	..	..
1¹³/₁₆ x							
1⁸	.125	1.563	2.254	..	X	..	..
5³²	.156	1.501	2.761	..	X	..	..
3¹⁶	.188	1.437	3.263	..	X	..	..
1⁴	.250	1.313	4.173	..	X	..	..
1⁷/₈ x							
18	.049	1.777	.9556	..	X	..	..
16	.065	1.745	1.257	..	X	X	..
14	.083	1.709	1.589	..	X	..	..
13	.095	1.685	1.806	..	X	X	..
12	.109	1.657	2.056	..	X	..	..
11	.120	1.635	2.249	..	..	X	..
1⁸	.125	1.625	2.336	..	X	..	..
10	.134	1.607	2.492	..	X	..	..
5³²	.156	1.563	2.864	..	X	..	..
3¹⁶	.188	1.499	3.387	..	X	..	..
7³²	.219	1.437	3.873	..	X	..	..
1⁴	.250	1.375	4.339	..	X	..	..
9³²	.281	1.313	4.784	..	X	..	..
5¹⁶	.313	1.249	5.222	..	X	..	..
3⁸	.375	1.125	6.008	..	X	..	..
7¹⁶	.438	.999	6.722	X	..	..	..
1²	.500	.875	7.343	X*	..	..	..
9¹⁶	.563	.749	7.889	X*	..	..	..

*Produced to O.D. and Wall dimensions

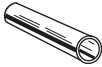
STEEL TUBING ROUND MECHANICAL



SEAMLESS DOM WELDED
ELECTRIC WELDED C.D. BUTT WELDED

O.D. & Ga.	Wall	I.D.	Lbs. Per Ft.	C.D. Seamless	DOM Welded	Electric Welded*	C.D. Butt Welded
1¹⁵/₁₆ x							
1/8	.125	1.688	2.420	..	X	..	..
5/32	.156	1.626	2.969	..	X	..	..
7/32	.219	1.500	4.021	..	X	..	..
1/4	.250	1.438	4.507	..	X	..	..
3/8	.375	1.188	6.260	..	X	..	..
2 x							
20	.035	1.930	.7345	..	..	X	..
18	.049	1.902	1.021	..	X	X	..
16	.065	1.870	1.343	..	X	X	..
14	.083	1.834	1.699	..	X	X	..
13	.095	1.810	1.933	..	X	X	..
12	.109	1.782	2.201	..	X	X	..
11	.120	1.760	2.409	..	X	X	..
1/8	.125	1.750	2.503	..	X	..	..
10	.134	1.732	2.671	..	X	X	..
5/32	.156	1.688	3.072	..	X	..	..
7	.180	1.640	3.499	..	..	X	..
3/16	.188	1.624	3.638	..	X	..	..
7/32	.219	1.562	4.166	..	X	..	..
1/4	.250	1.500	4.673	..	X	..	..
9/32	.281	1.438	5.159	..	X	..	..
5/16	.313	1.374	5.639	..	X	..	..
11/32	.344	1.312	6.084	..	X	..	X
3/8	.375	1.250	6.508	..	X	..	..
7/16	.438	1.124	7.307	..	X	..	..
1/2	.500	1.000	8.010	X	..	..	..
9/16	.563	.874	8.641	X*	..	..	..
5/8	.625	.750	9.178	X*	X	..	..
3/4	.750	.500	10.01	X*	..	..	..
2¹/₁₆ x							
5/32	.156	1.751	3.177	..	X	..	..
3/16	.188	1.687	3.765	..	X	..	..
1/4	.250	1.563	4.841	..	X	..	..
5/16	.313	1.437	5.850	..	X	..	..
2¹/₈ x							
18	.049	2.027	1.086	..	..	X	..
16	.065	1.995	1.430	..	X	X	..
14	.083	1.959	1.810	..	X	..	..
13	.095	1.935	2.060	..	X	..	..
11	.120	1.885	2.570	..	X	..	..
1/8	.125	1.875	2.670	..	X	..	..
5/32	.156	1.813	3.281	..	X	..	..
3/16	.188	1.749	3.889	..	X	..	..
7/32	.219	1.687	4.458	..	X	..	..
1/4	.250	1.625	5.006	..	X	..	..
9/32	.281	1.563	5.534	..	X	..	..
5/16	.313	1.499	6.057	..	X	..	..
3/8	.375	1.375	7.009	..	X	..	..
7/16	.438	1.249	7.892	..	X	..	..

*Produced to O.D. and Wall dimensions



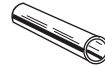
STEEL TUBING ROUND MECHANICAL

SEAMLESS DOM WELDED
ELECTRIC WELDED C.D. BUTT WELDED

O.D. & Ga.	Wall	I.D.	Lbs. Per Ft.	C.D. Seamless	DOM Welded	Electric Welded*	C.D. Butt Welded
2³/₁₆ x							
1/8	.125	1.938	2.754	..	X	..	..
1/4	.250	1.688	5.175	..	X	..	..
2¹/₄ x							
20	.035	2.180	.828	..	..	X	..
18	.049	2.152	1.152	..	X	X	..
16	.065	2.120	1.517	..	X	X	..
14	.083	2.084	1.921	..	X	X	..
13	.095	2.060	2.187	..	X	..	..
12	.109	2.032	2.492	..	X	X	..
11	.120	2.010	2.730	..	..	X	..
1/8	.125	2.000	2.837	..	X	..	..
10	.134	1.982	3.028	..	X	..	..
5/32	.156	1.938	3.489	..	X	..	X
3/16	.188	1.874	4.140	..	X	..	..
7/32	.219	1.812	4.750	..	X	..	..
1/4	.250	1.750	5.340	..	X	..	..
9/32	.281	1.688	5.909	..	X	..	..
5/16	.313	1.624	6.475	..	X	..	..
11/32	.344	1.562	7.003	..	X	..	..
3/8	.375	1.500	7.509	..	X	..	..
13/32	.406	1.438	7.996	..	X	..	..
7/16	.438	1.374	8.476	..	X	..	..
1/2	.500	1.250	9.345	..	X	..	..
9/16	.563	1.124	10.14	X	..	..	..
5/8	.625	1.000	10.85	X*	..	..	..
3/4	.750	.750	12.02	X*	..	..	..
2⁵/₁₆ x							
3/16	.188	1.937	4.267	..	X	..	..
2³/₈ x							
18	.049	2.277	1.217	..	..	X	..
16	.065	2.245	1.604	..	X	X	..
14	.083	2.209	2.032	..	X	..	..
13	.095	2.185	2.313	..	X	..	..
1/8	.125	2.125	3.004	..	X	..	..
5/32	.156	2.063	3.697	..	X	..	..
3/16	.188	1.999	4.391	..	X	..	..
7/32	.219	1.937	5.043	..	X	..	..
1/4	.250	1.875	5.674	..	X	..	..
9/32	.281	1.813	6.284	..	X	..	..
5/16	.313	1.749	6.893	..	X	..	..
3/8	.375	1.625	8.010	..	X	..	..
7/16	.438	1.499	9.061	..	X	..	..
1/2	.500	1.375	10.01	..	X	..	..
9/16	.563	1.249	10.90	..	X	..	..
5/8	.625	1.125	11.68	X*	..	..	..

*Produced to O.D. and Wall dimensions

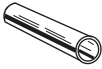
STEEL TUBING ROUND MECHANICAL



**SEAMLESS DOM WELDED
ELECTRIC WELDED**

O.D. & Ga.	Wall	I.D.	Lbs. Per Ft.	C.D. Seamless	DOM Welded	Electric Welded*
2⁷/₁₆ x						
1/4	.250	1.938	5.842	..	X	..
2¹/₂ x						
18	.049	2.402	1.283	..	..	X
16	.065	2.370	1.690	..	X	X
14	.083	2.334	2.143	..	X	X
13	.095	2.310	2.440	..	X	X
12	.109	2.282	2.783	..	X	..
11	.120	2.260	3.050	..	X	X
1/8	.125	2.250	3.171	..	X	..
5/32	.156	2.188	3.905	..	X	..
7	.180	2.140	4.460	..	..	X
3/16	.188	2.124	4.642	..	X	..
7/32	.219	2.062	5.335	..	X	..
1/4	.250	2.000	6.008	..	X	..
9/32	.281	1.938	6.659	..	X	..
5/16	.313	1.874	7.311	..	X	..
11/32	.344	1.812	7.921	..	X	..
3/8	.375	1.750	8.511	..	X	..
7/16	.438	1.624	9.646	..	X	..
1/2	.500	1.500	10.68	..	X	..
9/16	.563	1.374	11.65	..	X	..
5/8	.625	1.250	12.52	X	..	..
3/4	.750	1.000	14.02	X*	..	..
2⁹/₁₆ x						
1/4	.250	2.063	6.176	..	X	..
2⁵/₈ x						
16	.065	2.495	1.777	..	X	X
13	.095	2.435	2.567	..	X	..
12	.109	2.407	2.929	..	X	..
1/8	.125	2.375	3.338	..	X	..
5/32	.156	2.313	4.114	..	X	..
7	.180	2.265	4.700	..	..	X
3/16	.188	2.249	4.893	..	X	..
7/32	.219	2.187	5.627	..	X	..
1/4	.250	2.125	6.341	..	X	..
9/32	.281	2.063	7.035	..	X	..
5/16	.313	1.999	7.729	..	X	..
3/8	.375	1.875	9.011	..	X	..
7/16	.438	1.749	10.23	..	X	..
1/2	.500	1.625	11.35	..	X	..
9/16	.563	1.499	12.40	..	X	..
5/8	.625	1.375	13.35	..	X	..
2³/₄ x						
18	.049	2.652	1.414	..	..	X
16	.065	2.620	1.864	..	X	X
14	.083	2.584	2.364	..	X	..
13	.095	2.560	2.694	..	X	..

*Produced to O.D. and Wall dimensions



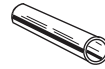
STEEL TUBING ROUND MECHANICAL

**SEAMLESS DOM WELDED
ELECTRIC WELDED**

O.D. & Ga.	Wall	I.D.	Lbs. Per Ft.	C.D. Seamless	DOM Welded	Electric Welded*
2³/₄ x						
11	.120	2.510	3.371	..	..	X
1/8	.125	2.500	3.504	..	X	..
5/32	.156	2.438	4.322	..	X	..
3/16	.188	2.374	5.144	..	X	..
7/32	.219	2.312	5.920	..	X	..
1/4	.250	2.250	6.675	..	X	..
5/16	.313	2.124	8.147	..	X	..
11/32	.344	2.062	8.840	..	X	..
3/8	.375	2.000	9.512	..	X	..
7/16	.438	1.874	10.82	..	X	..
1/2	.500	1.750	12.02	..	X	..
9/16	.563	1.624	13.15	..	X	..
5/8	.625	1.500	14.18	..	X	..
11/16	.688	1.374	15.15	X	..	..
3/4	.750	1.250	16.02	X*	..	..
7/8	.875	1.000	17.52	X*	..	..
2⁷/₈ x						
16	.065	2.745	1.951	..	X	X
13	.095	2.685	2.821	..	X	..
11	.120	2.635	3.531	..	..	X
1/8	.125	2.625	3.671	..	X	..
3/16	.188	2.499	5.395	..	X	..
7/32	.219	2.437	6.212	..	X	..
1/4	.250	2.375	7.009	..	X	..
9/32	.281	2.313	7.785	..	X	..
5/16	.313	2.249	8.564	..	X	..
3/8	.375	2.125	10.01	..	X	..
7/16	.438	1.999	11.40	..	X	..
1/2	.500	1.875	12.68	..	X	..
9/16	.563	1.749	13.90	..	X	..
5/8	.625	1.625	15.02	..	X	..
3/4	.750	1.375	17.02	X*	..	..
3 x						
18	.049	2.902	1.544	..	..	X
16	.065	2.870	2.038	..	X	X
14	.083	2.834	2.586	..	X	X
13	.095	2.810	2.947	..	X	X
12	.109	2.782	3.366	..	X	X
11	.120	2.760	3.691	..	..	X
1/8	.125	2.750	3.838	..	X	..
10	.134	2.732	4.102	..	X	..
5/32	.156	2.688	4.738	..	X	..
7	.180	2.640	5.421	..	..	X
3/16	.188	2.624	5.646	..	X	..
7/32	.219	2.562	6.505	..	X	..
1/4	.250	2.500	7.343	..	X	X
9/32	.281	2.438	8.160	..	X	..
5/16	.313	2.374	8.982	..	X	..

*Produced to O.D. and Wall dimensions

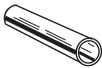
STEEL TUBING ROUND MECHANICAL



**SEAMLESS DOM WELDED
ELECTRIC WELDED**

O.D. & Ga.	Wall	I.D.	Lbs. Per Ft.	C.D. Seamless	HF Seamless*	DOM Welded	Electric Welded*
3 x							
1 ¹ / ₃₂	.344	2.312	9.758	..	..	X	..
3 ⁸ / ₈	.375	2.250	10.51	..	..	X	..
7 ¹⁶ / ₁₆	.438	2.124	11.98	..	..	X	..
1 ² / ₂	.500	2.000	13.35	..	..	X	..
9 ¹⁶ / ₁₆	.563	1.874	14.65	..	..	X	..
5 ⁸ / ₈	.625	1.750	15.85	..	..	X	..
1 ¹ / ₁₆	.688	1.624	16.99	X	..	..	..
3 ⁴ / ₄	.750	1.500	18.02	X	X	..	..
7 ⁸ / ₈	.875	1.250	19.86	X	..	..	..
1	1.000	1.000	21.36	X*	..	..	..
3¹/₈ x							
16	.065	2.995	2.124	..	..	X	X
11	.120	2.885	3.851	..	..	X	..
1 ⁸ / ₈	.125	2.875	4.005	..	..	X	..
3 ¹⁶ / ₁₆	.188	2.749	5.897	..	..	X	..
7 ³² / ₃₂	.219	2.687	6.797	..	..	X	..
1 ⁴ / ₄	.250	2.625	7.676	..	..	X	..
5 ¹⁶ / ₁₆	.313	2.499	9.400	..	..	X	..
3 ⁸ / ₈	.375	2.375	11.01	..	..	X	..
7 ¹⁶ / ₁₆	.438	2.249	12.57	..	..	X	..
1 ² / ₂	.500	2.125	14.02	..	..	X	..
9 ¹⁶ / ₁₆	.563	1.999	15.40	..	..	X	..
3 ⁴ / ₄	.750	1.625	19.02	X	..	..	..
3¹/₄ x							
16	.065	3.120	2.221	..	..	..	X
13	.095	3.060	3.201	..	..	X	..
11	.120	3.010	4.011	..	..	X	X
5 ³² / ₃₂	.156	2.938	5.155	..	..	X	..
3 ¹⁶ / ₁₆	.188	2.874	6.148	..	..	X	..
7 ³² / ₃₂	.219	2.812	7.089	..	..	X	..
1 ⁴ / ₄	.250	2.750	8.010	..	..	X	..
9 ³² / ₃₂	.281	2.688	8.910	..	..	X	..
5 ¹⁶ / ₁₆	.313	2.624	9.818	..	..	X	..
1 ¹ / ₃₂	.344	2.562	10.68	..	..	X	..
3 ⁸ / ₈	.375	2.500	11.51	..	..	X	..
7 ¹⁶ / ₁₆	.438	2.374	13.15	..	..	X	..
1 ² / ₂	.500	2.250	14.69	..	..	X	..
9 ¹⁶ / ₁₆	.563	2.124	16.16	..	..	X	..
5 ⁸ / ₈	.625	2.000	17.52	..	..	X	..
3 ⁴ / ₄	.750	1.750	20.03	X	..	..	..
7 ⁸ / ₈	.875	1.500	22.19	X*	..	..	..
1	1.000	1.250	24.03	X*	..	..	..

*Produced to O.D. and Wall dimensions



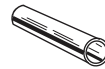
STEEL TUBING ROUND MECHANICAL

SEAMLESS DOM WELDED
ELECTRIC WELDED

O.D. & Ga.	Wall	I.D.	Lbs. Per Ft.	C.D. Seamless	H.F. Seamless*	DOM Welded	Electric Welded*
3³/₈ x							
1/8	.125	3.125	4.339	..	..	X	..
3/16	.188	2.999	6.399	..	..	X	..
1/4	.250	2.875	8.344	..	..	X	..
5/16	.313	2.749	10.24	..	..	X	..
3/8	.375	2.625	12.02	..	..	X	..
7/16	.438	2.499	13.74	..	..	X	..
1/2	.500	2.375	15.35	..	..	X	..
5/8	.625	2.125	18.36	..	..	X	..
3/4	.750	1.875	21.03	X	..	..	..
3¹/₂ x							
18	.049	3.402	1.806	..	..	..	X
16	.065	3.370	2.385	..	..	X	X
14	.083	3.334	3.029	..	..	X	X
11	.120	3.260	4.332	..	..	X	X
1/8	.125	3.250	4.506	..	..	X	..
10	.134	3.232	4.817	..	..	X	..
5/32	.156	3.188	5.571	..	..	X	..
7	.180	3.140	6.382	..	..	..	X
3/16	.188	3.124	6.650	..	..	X	..
7/32	.219	3.062	7.674	..	..	X	..
1/4	.250	3.000	8.678	..	..	X	X
9/32	.281	2.938	9.661	..	..	X	..
5/16	.313	2.874	10.65	..	..	X	..
11/32	.344	2.812	11.59	..	..	X	..
3/8	.375	2.750	12.52	..	..	X	..
7/16	.438	2.624	14.32	..	..	X	..
1/2	.500	2.500	16.02	..	X	X	..
9/16	.563	2.374	17.66	..	..	X	..
5/8	.625	2.250	19.19	..	..	X	..
3/4	.750	2.000	22.03	X	..	..	..
7/8	.875	1.750	24.53	X	..	..	..
1	1.000	1.500	26.70	X*	..	..	..
3⁵/₈ x							
16	.065	3.495	2.471	..	..	X	..
1/8	.125	3.375	4.673	..	..	X	..
3/16	.188	3.249	6.901	..	..	X	..
1/4	.250	3.125	9.011	..	..	X	..
5/16	.313	2.999	11.07	..	..	X	..
3/8	.375	2.875	13.02	..	..	X	..
1/2	.500	2.625	16.69	..	..	X	..
9/16	.563	2.499	18.41	..	..	X	..
5/8	.625	2.375	20.03	..	..	X	..
3/4	.750	2.125	23.03	X	..	..	..
3³/₄ x							
13	.095	3.560	3.708	..	..	X	..
1/8	.125	3.500	4.839	..	..	X	..
10	.134	3.482	5.175	..	..	X	..

* Produced to O.D. and Wall dimensions

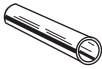
STEEL TUBING ROUND MECHANICAL



**SEAMLESS DOM WELDED
ELECTRIC WELDED**

O.D. & Ga.	Wall	I.D.	Lbs. Per Ft.	C.D. Seamless	H.F. Seamless*	DOM Welded	Electric Welded*
3³/₄ x							
3/16	.188	3.374	7.152	..	..	X	..
7/32	.219	3.312	8.259	..	..	X	..
1/4	.250	3.250	9.345	..	..	X	..
5/16	.313	3.124	11.49	..	..	X	..
11/32	.344	3.062	12.51	..	..	X	..
3/8	.375	3.000	13.52	..	..	X	..
7/16	.438	2.874	15.49	..	..	X	..
1/2	.500	2.750	17.36	..	X	X	..
9/16	.563	2.624	19.16	..	..	X	..
5/8	.625	2.500	20.86	..	..	X	..
11/16	.688	2.374	22.50	X	..	..	..
3/4	.750	2.250	24.03	X	..	..	..
7/8	.875	2.000	26.87	X	..	..	..
1	1.000	1.750	29.37	X*	X	..	..
3⁷/₈ x							
1/8	.125	3.625	5.006	..	..	X	..
3/16	.188	3.499	7.403	..	..	X	..
1/4	.250	3.375	9.679	..	..	X	..
5/16	.313	3.249	11.91	..	..	X	..
3/8	.375	3.125	14.02	..	..	X	..
7/16	.438	2.999	16.08	..	..	X	..
1/2	.500	2.875	18.02	..	..	X	..
3/4	.750	2.375	25.03	X	..	..	..
4 x							
16	.065	3.870	2.732	..	..	..	X
14	.083	3.834	3.472	..	..	..	X
13	.095	3.810	3.962	..	..	X	X
11	.120	3.760	4.973	..	..	X	X
1/8	.125	3.750	5.173	..	..	X	..
10	.134	3.732	5.533	..	..	..	X
7	.180	3.640	7.344	..	..	..	X
3/16	.188	3.624	7.654	..	..	X	..
7/32	.219	3.562	8.844	..	..	X	X
1/4	.250	3.500	10.01	..	..	X	X
9/32	.281	3.438	11.16	..	..	X	..
5/16	.313	3.374	12.33	..	..	X	..
3/8	.375	3.250	14.52	..	..	X	..
7/16	.438	3.124	16.66	..	..	X	..
1/2	.500	3.000	18.69	..	X	X	..
9/16	.563	2.874	20.67	..	..	X	..
5/8	.625	2.750	22.53	..	..	X	..
11/16	.688	2.624	24.34	X	..	..	..
3/4	.750	2.500	26.03	X	X	..	..
7/8	.875	2.250	29.20	X	..	..	..
1	1.000	2.000	32.04	X	X	..	..
1 1/8	1.125	1.750	34.54	X*	..	..	..
1 1/4	1.250	1.500	36.71	X*	..	..	..

*Produced to O.D. and Wall dimensions



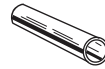
STEEL TUBING ROUND MECHANICAL

SEAMLESS DOM WELDED
ELECTRIC WELDED

O.D. & Ga.	Wall	I.D.	Lbs. Per Ft.	C.D. Seamless	H.F. Seamless*	DOM Welded	Electric Welded*
4¹/₈ x							
1/4	.250	3.625	10.35	..	..	X	..
5/16	.313	3.499	12.74	..	..	X	..
3/8	.375	3.375	15.02	..	..	X	..
1/2	.500	3.125	19.36	..	..	X	..
4¹/₄ x							
16	.065	4.120	2.905	..	..	..	X
11	.120	4.010	5.293	..	..	..	X
1/8	.125	4.000	5.507	..	..	X	..
5/32	.156	3.938	6.821	..	..	X	..
1/4	.250	3.750	10.68	..	..	X	..
5/16	.313	3.624	13.16	..	..	X	..
11/32	.344	3.562	14.35	..	..	X	..
3/8	.375	3.500	15.52	..	..	X	..
7/16	.438	3.374	17.83	..	..	X	..
1/2	.500	3.250	20.03	..	..	X	..
5/8	.625	3.000	24.20	..	..	X	..
11/16	.688	2.874	26.17	X	..	..	..
3/4	.750	2.750	28.04	X	..	..	..
7/8	.875	2.500	31.54	X	..	..	..
1	1.000	2.250	34.71	X	X	..	..
1 1/8	1.125	2.000	37.55	X*	..	..	..
1 1/4	1.250	1.750	40.05	X*	..	..	..
4³/₈ x							
3/16	.188	3.999	8.407	..	..	X	..
1/4	.250	3.875	11.01	..	..	X	..
5/16	.313	3.749	13.58	..	..	X	..
3/8	.375	3.625	16.02	..	..	X	..
1/2	.500	3.375	20.69	..	..	X	..
5/8	.625	3.125	25.03	..	..	X	..
3/4	.750	2.875	29.04	X	..	..	..
4¹/₂ x							
16	.065	4.370	3.079	..	..	..	X
14	.083	4.334	3.915	..	..	..	X
13	.095	4.310	4.469	..	..	X	X
11	.120	4.260	5.613	..	..	..	X
1/8	.125	4.250	5.841	..	..	X	..
7	.180	4.140	8.305	..	..	..	X
3/16	.188	4.124	8.658	..	..	X	..
7/32	.219	4.062	10.01	..	..	X	..
1/4	.250	4.000	11.35	..	..	X	X
5/16	.313	3.874	14.00	..	..	X	..

* Produced to O.D. and Wall dimensions

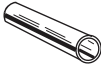
STEEL TUBING ROUND MECHANICAL



**SEAMLESS DOM WELDED
ELECTRIC WELDED**

O.D. & Ga.	Wall	I.D.	Lbs. Per Ft.	C.D. Seamless	H.F. Seamless*	DOM Welded	Electric Welded*
4^{1/2} x							
3/8	.375	3.750	16.52	..	..	X	..
7/16	.438	3.624	19.00	..	..	X	..
1/2	.500	3.500	21.36	..	..	X	..
9/16	.563	3.374	23.67	..	..	X	..
5/8	.625	3.250	25.87	..	..	X	..
3/4	.750	3.000	30.04	X	X	..	..
7/8	.875	2.750	33.88	X	..	..	..
1	1.000	2.500	37.38	X	X	..	..
1 1/8	1.125	2.250	40.55	X	..	..	..
1 1/4	1.250	2.000	43.39	..	X	..	..
1 1/2	1.500	1.500	48.06	..	X	..	..
4^{5/8} x							
3/16	.188	4.249	8.909	..	..	X	..
1/4	.250	4.125	11.68	..	..	X	..
5/16	.313	3.999	14.41	..	..	X	..
3/8	.375	3.875	17.02	..	..	X	..
1/2	.500	3.625	22.03	..	..	X	..
3/4	.750	3.125	31.04	X	..	..	..
4^{3/4} x							
1 1/8	.120	4.510	5.934	..	..	..	X
1/8	.125	4.500	6.174	..	..	X	..
3/16	.188	4.374	9.160	..	..	X	..
1/4	.250	4.250	12.02	..	..	X	..
5/16	.313	4.124	14.83	..	..	X	..
3/8	.375	4.000	17.52	..	..	X	..
7/16	.438	3.874	20.17	..	..	X	..
1/2	.500	3.750	22.70	..	..	X	..
5/8	.625	3.500	27.53	..	..	X	..
3/4	.750	3.250	32.04	X	X	..	..
7/8	.875	3.000	36.21	X	..	..	..
1	1.000	2.750	40.05	X	..	..	..
4^{7/8} x							
3/16	.188	4.499	9.411	..	..	X	..
7/16	.438	3.999	20.76	..	..	X	..
1/2	.500	3.875	23.36	..	..	X	..
3/4	.750	3.375	33.04	X	..	..	..
5 x							
16	.065	4.870	3.426	..	..	..	X
14	.083	4.834	4.359	..	..	..	X
11	.120	4.760	6.254	..	..	X	X
1/8	.125	4.750	6.508	..	..	X	..
7	.180	4.640	9.266	..	..	..	X
3/16	.188	4.624	9.662	..	..	X	..
1/4	.250	4.500	12.68	..	..	X	X
5/16	.313	4.374	15.67	..	..	X	..

*Produced to O.D. and Wall dimensions



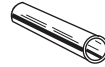
STEEL TUBING ROUND MECHANICAL

**SEAMLESS DOM WELDED
ELECTRIC WELDED**

O.D. & Ga.	Wall	I.D.	Lbs. Per Ft.	C.D. Seamless	H.F. Seamless*	DOM Welded	Electric Welded*
5 x							
3/8	.375	4.250	18.52	..	..	X	..
7/16	.438	4.124	21.34	..	..	X	..
1/2	.500	4.000	24.03	..	..	X	..
5/8	.625	3.750	29.20	..	..	X	..
3/4	.750	3.500	34.04	X	X	..	..
7/8	.875	3.250	38.55	X	X	..	..
1	1.000	3.000	42.72	X	X	..	..
1 1/8	1.125	2.750	46.56	X	..	..	..
1 1/4	1.250	2.500	50.06	X	..	..	..
1 1/2	1.500	2.000	56.07	..	X	..	..
5 1/8 x							
5/16	.313	4.499	16.09	..	..	X	..
5/8	.625	3.875	30.04	..	..	X	..
5 1/4 x							
1/8	.125	5.000	6.842	..	..	X	..
3/16	.188	4.874	10.16	..	..	X	..
1/4	.250	4.750	13.35	..	..	X	..
5/16	.313	4.624	16.50	..	..	X	..
3/8	.375	4.500	19.52	..	..	X	..
1/2	.500	4.250	25.37	..	..	X	..
5/8	.625	4.000	30.87	..	..	X	..
3/4	.750	3.750	36.05	X	..	..	..
7/8	.875	3.500	40.88	X	X	..	..
1	1.000	3.250	45.39	X	X	..	..
1 1/4	1.250	2.750	53.40	X	X	..	..
5 3/8 x							
3/16	.188	4.999	10.41	..	..	X	..
5 1/2 x							
16	.065	5.370	3.773	..	..	..	X
11	.120	5.260	6.895	..	..	..	X
3/16	.188	5.124	10.67	..	..	X	..
1/4	.250	5.000	14.02	..	..	X	X
5/16	.313	4.874	17.34	..	..	X	..
3/8	.375	4.750	20.53	..	..	X	..
7/16	.438	4.624	23.68	..	..	X	..
1/2	.500	4.500	26.70	..	..	X	..
5/8	.625	4.250	32.54	..	..	X	..
3/4	.750	4.000	38.05	X	..	..	..
7/8	.875	3.750	43.22	X	..	..	..
1	1.000	3.500	48.06	X	X	..	..
1 1/4	1.250	3.000	56.74	X	..	..	..
1 1/2	1.500	2.500	64.08	..	X	..	..
5 5/8 x							
5/16	.313	4.999	17.76	..	..	X	..
5/8	.625	4.375	33.38	..	..	X	..

*Produced to O.D. and Wall dimensions

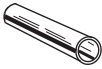
STEEL TUBING ROUND MECHANICAL



**SEAMLESS DOM WELDED
ELECTRIC WELDED**

O.D. & Ga.	Wall	I.D.	Lbs. Per Ft.	C.D. Seamless	H.F. Seamless*	DOM Welded	Electric Welded*
5³/₄ x							
1/8	.125	5.500	7.509	..	..	X	..
1/4	.250	5.250	14.69	..	..	X	..
5/16	.313	5.124	18.18	..	..	X	..
3/8	.375	5.000	21.53	..	..	X	..
1/2	.500	4.750	28.04	..	..	X	..
3/4	.750	4.250	40.05	X	..	..	..
7/8	.875	4.000	45.56	X	..	..	..
1	1.000	3.750	50.73	X	X	..	..
6 x							
16	.065	5.870	4.120	..	..	..	X
14	.083	5.834	5.245	..	..	..	X
11	.120	5.760	7.536	..	..	..	X
1/8	.125	5.750	7.843	..	..	X	..
10	.134	5.732	8.395	..	..	..	X
7	.180	5.640	11.19	..	..	..	X
3/16	.188	5.624	11.67	..	..	X	..
1/4	.250	5.500	15.35	..	..	X	X
5/16	.313	5.374	19.01	..	..	X	..
3/8	.375	5.250	22.53	..	..	X	..
1/2	.500	5.000	29.37	..	X	X	..
5/8	.625	4.750	35.88	..	..	X	..
3/4	.750	4.500	42.05	X	..	..	..
7/8	.875	4.250	47.89	X	..	..	..
1	1.000	4.000	53.40	X	X	..	..
1 1/4	1.250	3.500	63.41	X	X	..	..
1 1/2	1.500	3.000	72.09	..	X	..	..
6 1/4 x							
1/8	.125	6.000	8.177	..	..	X	..
3/16	.188	5.874	12.17	..	..	X	..
1/4	.250	5.750	16.02	..	..	X	..
5/16	.313	5.624	19.85	..	..	X	..
3/8	.375	5.500	23.53	..	..	X	..
1/2	.500	5.250	30.71	..	..	X	..
5/8	.625	5.000	37.55	..	..	X	..
3/4	.750	4.750	44.06	X	..	..	..
7/8	.875	4.500	50.23	X	..	..	..
1	1.000	4.250	56.07	X	X	..	..
6 1/2 x							
10	.134	6.232	9.111	..	..	X	..
3/16	.188	6.124	12.67	..	..	X	..
1/4	.250	6.000	16.69	..	..	X	..
3/8	.375	5.750	24.53	..	..	X	..
1/2	.500	5.500	32.04	..	..	X	..
5/8	.625	5.250	39.22	..	..	X	..
3/4	.750	5.000	46.06	X	..	..	..
7/8	.875	4.750	52.57	X	..	..	..

*Produced to O.D. and Wall dimensions



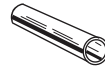
STEEL TUBING ROUND MECHANICAL

SEAMLESS DOM WELDED
ELECTRIC WELDED

O.D. & Ga.	Wall	I.D.	Lbs. Per Ft.	C.D. Seamless	H.F. Seamless*	DOM Welded	Electric Welded*
6¹/₂ x							
1	1.000	4.500	58.74	X	X	..	..
1¹/₄	1.250	4.000	70.09	X	X	..	..
1¹/₂	1.500	3.500	80.10	..	X	..	..
6⁵/₈ x							
1/8	.125	6.375	8.678	..	..	..	X
3/16	.188	6.249	12.92	..	..	X	..
6³/₄ x							
1/4	.250	6.250	17.36	..	..	X	..
3/8	.375	6.000	25.53	..	..	X	..
1/2	.500	5.750	33.38	..	..	X	..
7/8	.875	5.000	54.90	X	..	..	..
1	1.000	4.750	61.41	X	X	..	..
7 x							
17	.058	6.884	4.300	..	..	..	X
15	.072	6.856	5.327	..	..	..	X
1/8	.125	6.750	9.178	..	..	..	X
3/16	.188	6.624	13.68	..	..	X	..
1/4	.250	6.500	18.02	..	..	X	..
3/8	.375	6.250	26.53	..	..	X	..
1/2	.500	6.000	34.71	..	..	X	..
5/8	.625	5.750	42.55	..	..	X	..
3/4	.750	5.500	50.06	X	X	..	..
1	1.000	5.000	64.08	X	X	..	..
1¹/₄	1.250	4.500	76.76	X	X	..	..
1¹/₂	1.500	4.000	88.11	..	X	..	..
2	2.000	3.000	106.8	..	X	..	..
7¹/₄ x							
3/16	.188	6.874	14.18	..	..	X	..
1/4	.250	6.750	18.69	..	..	X	..
3/8	.375	6.500	27.53	..	..	X	..
1/2	.500	6.250	36.05	..	..	X	..
1	1.000	5.250	66.75	X	X	..	..
7¹/₂ x							
1/4	.250	7.000	19.36	..	..	X	..
3/8	.375	6.750	28.54	..	..	X	..
1/2	.500	6.500	37.38	..	..	X	..
5/8	.625	6.250	45.89	..	..	X	..
3/4	.750	6.000	54.07	X	..	..	..
1	1.000	5.500	69.42	X	X	..	..
1¹/₄	1.250	5.000	83.44	X	..	..	..
1¹/₂	1.500	4.500	96.12	..	X	..	..

*Produced to O.D. and Wall dimensions

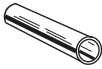
STEEL TUBING ROUND MECHANICAL



**SEAMLESS DOM WELDED
ELECTRIC WELDED**

O.D. & Ga.	Wall	I.D.	Lbs. Per Ft.	C.D. Seamless	H.F. Seamless*	DOM Welded	Electric Welded*
7^{3/4} x							
1/4	.250	7.250	20.03	..	..	X	..
3/8	.375	7.000	29.54	..	..	X	..
1/2	.500	6.750	38.72	..	..	X	..
5/8	.625	6.500	47.56	..	..	X	..
1	1.000	5.750	72.09	X	X	..	..
8 x							
15	.072	7.856	6.096	..	..	..	X
12	.109	7.782	9.186	..	..	..	X
1/8	.125	7.750	10.51	..	..	..	X
10	.134	7.732	11.26	..	..	..	X
3/16	.188	7.624	15.69	..	..	..	X
1/4	.250	7.500	20.69	..	..	X	X
3/8	.375	7.250	30.54	..	..	X	..
1/2	.500	7.000	40.05	..	X	X	..
5/8	.625	6.750	49.23	..	..	X	..
3/4	.750	6.500	58.07	X	X	..	..
1	1.000	6.000	74.76	X	X	..	..
1 1/8	1.125	5.750	82.60	X	..	..	..
1 1/4	1.250	5.500	90.11	X	..	..	..
1 1/2	1.500	5.000	104.1	..	X	..	..
2	2.000	4.000	128.2	..	X	..	..
8 1/4 x							
1/4	.250	7.750	21.36	..	..	X	..
5/8	.625	7.000	50.90	..	..	X	..
1	1.000	6.250	77.43	X	X	..	..
8 1/2 x							
1/4	.250	8.000	22.03	..	..	X	..
3/8	.375	7.750	32.54	..	..	X	..
1/2	.500	7.500	42.72	..	..	X	..
3/4	.750	7.000	62.08	X	..	..	..
1	1.000	6.500	80.10	..	X	..	..
1 1/4	1.250	6.000	96.79	X	X	..	..
1 1/2	1.500	5.500	112.1	..	X	..	..
8 5/8 x							
1/8	.125	8.375	11.35	..	..	..	X
8 3/4 x							
3/8	.375	8.000	33.54	..	..	X	..
1	1.000	6.750	82.77	X	X	..	..
1 1/2	1.500	5.750	116.1	..	X	..	..

*Produced to O.D. and Wall dimensions



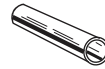
STEEL TUBING ROUND MECHANICAL

SEAMLESS DOM WELDED
ELECTRIC WELDED

O.D. & Ga.	Wall	I.D.	Lbs. Per Ft.	C.D. Seamless	H.F. Seamless*	DOM Welded	Electric Welded*
9 x							
1/4	.250	8.500	23.36	..	..	X	..
3/4	.750	7.500	66.08	..	X	..	..
1	1.000	7.000	85.44	..	X	..	..
1 1/4	1.250	6.500	103.5	..	X	..	..
1 1/2	1.500	6.000	120.2	..	X	..	..
2	2.000	5.000	149.5	..	X	..	..
9 1/4 x							
1/2	.500	8.250	46.73	..	..	X	..
1	1.000	7.250	88.11	X	X	..	..
9 1/2 x							
1/4	.250	9.000	24.70	..	..	X	..
1/2	.500	8.500	48.06	..	..	X	..
3/4	.750	8.000	70.09	X	..	..	..
1	1.000	7.500	90.78	X	X	..	..
1 1/2	1.500	6.500	128.2	..	X	..	..
2	2.000	5.500	160.2	..	X	..	..
9 3/4 x							
1/4	.250	9.250	25.37	..	..	X	..
1/2	.500	8.750	49.40	..	..	X	..
1	1.000	7.750	93.45	..	X	..	..
10 x							
15	.072	9.856	7.634	..	..	..	X
12	.109	9.782	11.51	..	..	..	X
10	.134	9.732	14.12	..	..	..	X
3/16	.188	9.624	19.70	..	..	..	X
1/4	.250	9.500	26.03	..	..	X	..
3/8	.375	9.250	38.55	..	..	X	..
1/2	.500	9.000	50.73	..	..	X	..
3/4	.750	8.500	74.09	X	..	..	..
1	1.000	8.000	96.12	..	X	..	..
1 1/4	1.250	7.500	116.8	X	X	..	..
2	2.000	6.000	170.9	..	X	..	..
10 1/4 x							
1 1/2	1.500	7.250	140.2	..	X	..	..

*Produced to O.D. and Wall dimensions

STEEL TUBING ROUND MECHANICAL



SEAMLESS DOM WELDED
ELECTRIC WELDED

O.D. & Ga.	Wall	I.D.	Lbs. Per Ft.	C.D. Seamless	H.F. Seamless*	DOM Welded	Electric Welded*
10^{1/2} x							
1/4	.250	10.000	27.37	..	..	X	..
3/8	.375	9.750	40.55	..	..	X	..
1/2	.500	9.500	53.40	..	..	X	..
1	1.000	8.500	101.5	..	X	..	..
1 1/4	1.250	8.000	123.5	..	X	..	..
1 1/2	1.500	7.500	144.2	..	X	..	..
10^{3/4} x							
1	1.000	8.750	104.1	..	X	..	..
1 1/4	1.250	8.250	126.8	..	X	..	..
11 x							
1/2	.500	10.000	56.07	..	..	X	..
1	1.000	9.000	106.8	..	X	..	..
1 1/2	1.500	8.000	152.2	..	X	..	..
2	2.000	7.000	192.2	..	X	..	..
11 1/2 x							
1	1.000	9.500	112.1	..	X	..	..
11 3/4 x							
3/4	.750	10.250	88.11	X	X	..	..
12 x							
3/16	.188	11.624	23.72	..	..	..	X
1/4	.250	11.500	31.37	..	..	X	..
3/8	.375	11.250	46.56	..	..	X	..
1/2	.500	11.000	61.41	..	..	X	..
3/4	.750	10.500	90.11	..	X	..	..
1	1.000	10.000	117.5	..	X	..	..
1 1/2	1.500	9.000	168.2	..	X	..	..
2	2.000	8.000	213.6	..	X	..	..
12 1/4 x							
3/4	.750	10.750	92.12	..	X	..	..
13 x							
1	1.000	11.000	128.2	..	X	..	..
15 x							
3/4	.750	13.500	114.1	..	X	..	..

*Produced to O.D. and Wall dimensions



STEEL HYDRAULIC-LINE TUBING

Cold Drawn Welded

Produced To O.D. and I.D. Dimensions

Soft Annealed—Oiled

SAE J525—Electronically tested

Stock Lengths: 20 Ft. Random

O.D. & Ga.	Wall	I.D.	Lbs. per Ft.
1/8 x			
22 *	.028	.069	.0290
1/4 x			
22	.028	.194	.0664
20	.035	.180	.0804
18	.049	.152	.1052
5/16 x			
20	.035	.243	.1039
18	.049	.215	.1382
3/8 x			
20	.035	.305	.1271
18	.049	.277	.1706
16	.065	.245	.2152
1/2 x			
20	.035	.430	.1738
18	.049	.402	.2360
16	.065	.370	.3020
14	.083	.334	.3696
5/8 x			
20	.035	.555	.2205
18	.049	.527	.3014
16	.065	.495	.3888
14	.083	.459	.4805
13	.095	.435	.5377
3/4 x			
20	.035	.680	.2673
18	.049	.652	.3668
16	.065	.620	.4755
14	.083	.584	.5913
13	.095	.560	.6646
11	.120	.510	.8074
7/8 x			
16	.065	.745	.5623
14	.083	.709	.7021
13	.095	.685	.7914
12	.109	.657	.8917
1 x			
16	.065	.870	.6491
14	.083	.834	.8129
13	.095	.810	.9182
12	.109	.782	1.037
11	.120	.760	1.128
1 1/4 x			
18	.049	1.152	.6285
16	.065	1.120	.8226
13	.095	1.060	1.172
12	.109	1.032	1.328
11	.120	1.010	1.448
1 1/2 x			
16	.065	1.370	.9962
13	.095	1.310	1.426
11	.120	1.260	1.769
2 x			
16	.065	1.870	1.343
11	.120	1.760	2.409

* Produced to O.D. and Wall dimensions



PIPE SIZE STEEL TUBING ROUND STRUCTURAL

**46 ksi Minimum Yield
ASTM A 500 Grade C**

Produced by the Electric Resistance Welded Process. Uncoated.
Not Pressure Tested. This product is less expensive than regular pipe and
has higher mechanical properties and better finish.
Random Lengths 21 Ft.

Nom. Size in Inches	Wall	O.D.	Lbs. per Ft.	Nom. Size in Inches	Wall	O.D.	Lbs. per Ft.
1/2	.083	.840	.6710	1 1/4	.140	1.660	2.273
1/2	.109	.840	.8510	1 1/2	.109	1.900	2.085
3/4	.113	1.050	1.130	1 1/2	.145	1.900	2.718
1	.109	1.315	1.404	2	.109	2.375	2.638
1	.133	1.315	1.679	2	.154	2.375	3.653
1 1/4	.109	1.660	1.806	2 1/2	.203	2.815	5.790



STEEL ROUND BLACK PIPE

Uncoated
Plain Ends*

Also available Galvanized

A 53 Type F Schedule 40

Schedule 80

A 53 Gr. B, Type E Schedule 40 & Std

Schedule 80 & XS

Nominal Size in Inches	Schedule	Wall	O.D.	Lbs. per Ft.	ASTM A 53 Type F	ASTM A 53 Type E Gr. B
1/8	40	.068	.405	.24	21'	..
1/4	40	.088	.540	.42	21'	..
1/4	80	.119	.540	.54	21'	..
3/8	40	.091	.675	.57	21'	..
3/8	80	.126	.675	.74	21'	..
1/2	40	.109	.840	.85	21'	..
1/2	80	.147	.840	1.09	21'	..
3/4	40	.113	1.050	1.13	21'	..
3/4	80	.154	1.050	1.47	21'	..
1	40	.133	1.315	1.68	21'	..
1	80	.179	1.315	2.17	21'	..
1 1/4	40	.140	1.660	2.27	21'	..
1 1/4	80	.191	1.660	3.00	21'	..
1 1/2	40	.145	1.900	2.72	21'	..
1 1/2	80	.200	1.900	3.63	21'	..
2	40	.154	2.375	3.65	21'	..
2	80	.218	2.375	5.02	21'	..
2 1/2	40	.203	2.875	5.79	21'	..
2 1/2	80	.276	2.875	7.66	21'	..
3	40	.216	3.500	7.58	21'	..
3	80	.300	3.500	10.25	21'	..
3 1/2	40	.226	4.000	9.11	21'	..
3 1/2	80	.318	4.000	12.51	21'	..
4	40	.237	4.500	10.79	21'	..
4	80	.337	4.500	14.98	21'	..
5	40	.258	5.563	14.62	..	20-24'
5	80	.375	5.563	20.78	..	20-24'
6	40	.280	6.625	18.97	..	20-24'
6	80	.432	6.625	28.57	..	20-24'
8	40	.322	8.625	28.55	..	20-24'
8	80	.500	8.625	43.39	..	20-24'
10	40	.365	10.750	40.48	..	20-24'
12	XS	.500	12.750	65.42	..	20-24'
14	Sid.	.375	14.000	54.57	..	20-24'
14	XS	.500	14.000	72.09	..	20-24'
16	XS	.500	16.000	82.77	..	20-24'

* Can be furnished threaded or threaded and coupled

TUBE & PIPE



Pipe, Plain End

Structural Grade
ASTM A500, Stock Length 21 Ft.

Nominal Size In Inch	Weight Per Ft. In Lbs.	O.D. In Inches	Wall Thickness Inches	Butt Welded ASTM A53F	ERW ASTM A53E	Pipe Size ERW
Schedule 40 - Standard¹						
1/8	.2400	.405	.0680	X	..	..
1/4	.4200	.540	.0880	X	..	..
3/8	.5700	.675	.0910	X	..	..
1/2	.8500	.840	.1090	X	X	X
3/4	1.130	1.050	.1130	X	X	X
1	1.680	1.315	.1330	X	..	X
1 1/4	2.270	1.660	.1400	X	..	X
1 1/2	2.720	1.900	.1450	X	..	X
2	3.650	2.375	.1540	X	..	X
2 1/2	5.790	2.875	.2030	X	X	X
3	7.580	3.500	.2160	X	X	X
3 1/2	9.110	4.000	.2260	X	X	X
4	10.79	4.500	.2370	X	X	X
5	14.62	5.563	.2580	..	X	..
6	18.97	6.625	.2800	..	X	X
8	28.55	8.625	.3220	..	X	X
10	40.48	10.750	.3650	..	X	..
12	49.56	12.750	.3750	..	X	..
14	54.57	14.000	.3750	..	X	..
16	62.58	16.000	.3750	..	X	..
Schedule 80 - Extra Heavy²						
1/4	.5400	.540	.1190	X	..	..
3/8	.7388	.675	.1260	X	..	..
1/2	1.090	.840	.1470	X	..	..
3/4	1.470	1.050	.1540	X	..	..
1	2.170	1.315	.1790	X	..	..
1 1/4	3.000	1.660	.1910	X	..	..
1 1/2	3.630	1.900	.2000	X	..	..
2	5.020	2.375	.2180	X	..	..
2 1/2	7.660	2.875	.2760	X	..	..
3	10.25	3.500	.3000	X	..	..
3 1/2	12.51	4.000	.3180	X	..	..
4	14.98	4.500	.3370	X	..	..
10	54.74	10.750	.5000	..	X	..
12	65.42	12.750	.5000	..	X	..
14	72.09	14.000	.5000	..	X	..
16	82.77	16.000	.5000	..	X	..

¹ For sizes under 12" Schedule 40 and Standard are the same.

² For sizes under 10" Schedule 80 and Extra Heavy are the same.

³ Seamless ASTM A53 GR.B stocked in San Francisco only.