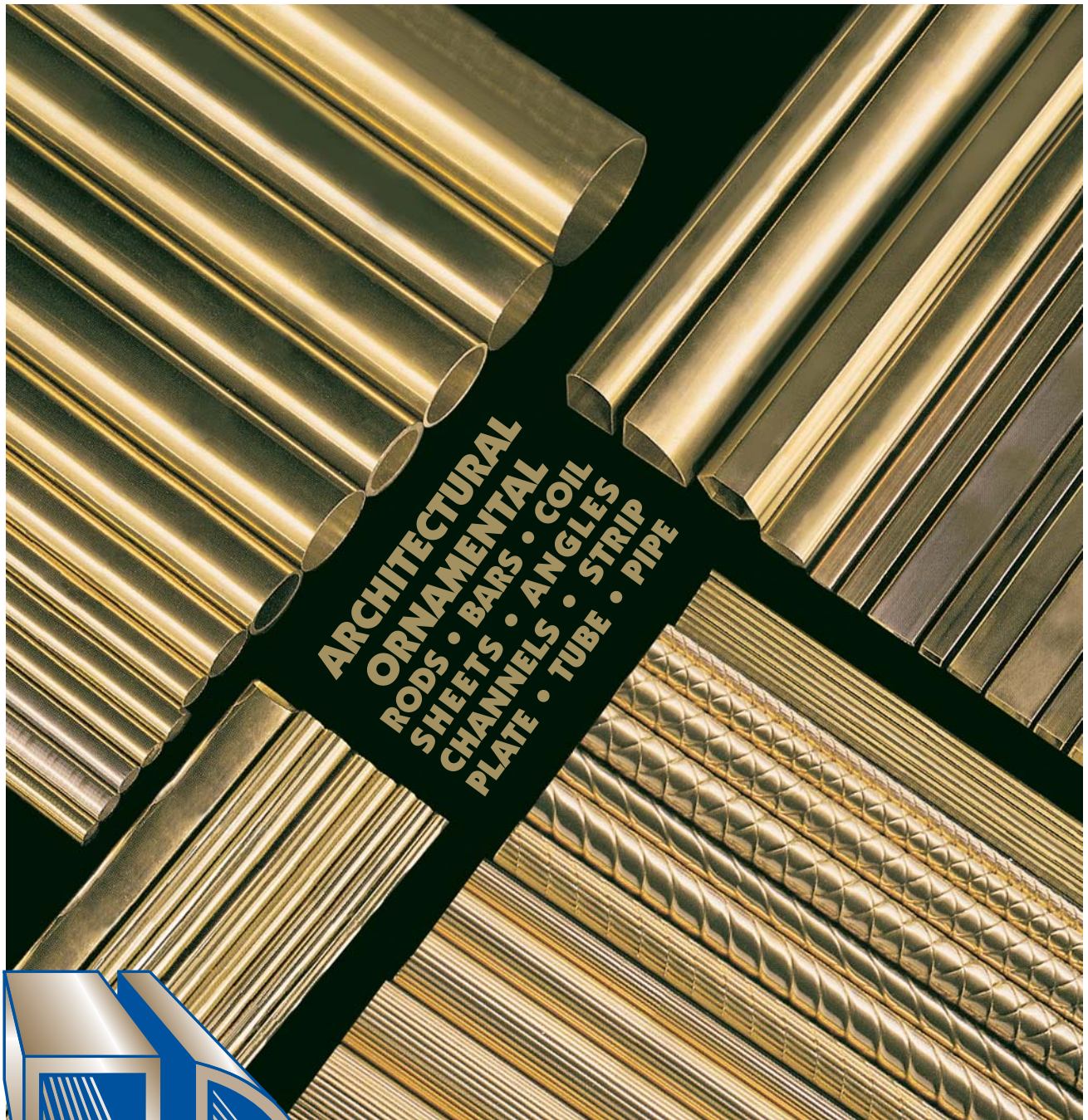


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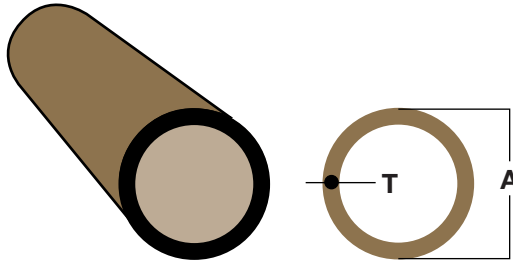


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# BRASS TUBING IN STOCK FOR IMMEDIATE SHIPMENT



## ROUND BRASS TUBING

ASTM B-135

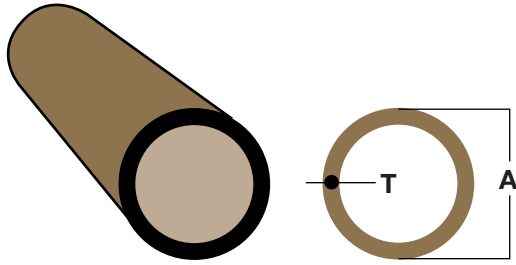
O.D. INCHES A = SIZE	APPROXIMATE WEIGHT PER FOOT						
	T = WALL THICKNESS						
	.014	.020	.025	.028	.032	.035	.040
<b>1/8</b>	.018	.024	.029	.031	.034	.036	
<b>5/32</b>	.023			.041	.046		
<b>3/16</b>	.028	.039	.047	.052	.058	.062	.068
<b>1/4</b>	.038	.053	.066	.072	.081	.087	.097
<b>5/16</b>	.048	.068	.083	.092	.104	.112	.126
<b>3/8</b>	.058	.082	.101	.112	.127	.138	.155
<b>7/16</b>	.069	.097	.119	.132	.150	.162	.184
<b>1/2</b>	.079	.111	.138	.153	.173	.188	.213
<b>9/16</b>		.125			.196	.213	.242
<b>5/8</b>	.099	.140	.174	.193	.220	.239	.271
<b>11/16</b>		.155		.214	.243		
<b>3/4</b>	.119	.169	.210	.234	.266	.290	.329
<b>13/16</b>		.183	.229	.254	.289		
<b>7/8</b>		.198	.246	.274	.312	.340	.386
<b>15/16</b>		.212	.263		.335		
<b>1</b>	.160	.227	.282	.315	.359	.391	.444
<b>1-1/16</b>			.300		.381	.416	
<b>1-1/8</b>		.256	.318		.404	.442	.502
<b>1-3/16</b>			.336		.428		
<b>1-1/4</b>		.285	.354	.396	.451	.492	.560
<b>1-5/16</b>					.473		
<b>1-3/8</b>		.314	.390		.497	.543	.618
<b>1-1/2</b>		.342	.427		.544	.594	.676
<b>1-9/16</b>					.567		
<b>1-5/8</b>			.463		.590		
<b>1-3/4</b>			.499		.636	.694	.791
<b>1-7/8</b>					.682		
<b>2</b>			.571	.638	.729	.796	.907



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## ROUND BRASS TUBING

ASTM B-135

O.D. INCHES A = SIZE	APPROXIMATE WEIGHT PER FOOT						
	T = WALL THICKNESS						
	.050	.062	.065	.080	.091	.125	.250
<b>1/8</b>							
<b>5/32</b>							
<b>3/16</b>	.079						
<b>1/4</b>	.116	.135	.139				
<b>5/16</b>	.152	.179	.186		.233		
<b>3/8</b>	.188	.225	.233	.276	.299	.362	
<b>7/16</b>	.224	.269	.280	.337			
<b>1/2</b>	.260	.314	.327	.393	.431	.543	
<b>9/16</b>	.296					.632	
<b>5/8</b>	.333	.404	.421	.510	.562	.723	
<b>11/16</b>		.448	.468			.813	
<b>3/4</b>	.405	.494	.515	.627	.694	.904*	
<b>13/16</b>		.538	.562	.685			
<b>7/8</b>	.477	.583	.609	.744	.826	1.09	
<b>15/16</b>		.628	.656			1.18	
<b>1</b>	.550	.673	.703		.957	1.27*	
<b>1-1/16</b>		.717	.750			1.36	
<b>1-1/8</b>	.622	.763	.797		1.09	1.45	
<b>1-3/16</b>						1.57	
<b>1-1/4</b>	.694	.853	.891	1.10		1.63*	
<b>1-5/16</b>			.938				
<b>1-3/8</b>	.767	.942	.985			1.81	
<b>1-1/2</b>	.839	1.03	1.08			1.99*	3.62*
<b>1-9/16</b>			1.13				
<b>1-5/8</b>	.911	1.13	1.17			2.17	3.98
<b>1-3/4</b>	.983	1.21	1.26			2.35	4.39
<b>1-7/8</b>		1.31	1.36			2.53	
<b>2</b>	1.13	1.39	1.46			2.71*	5.06*

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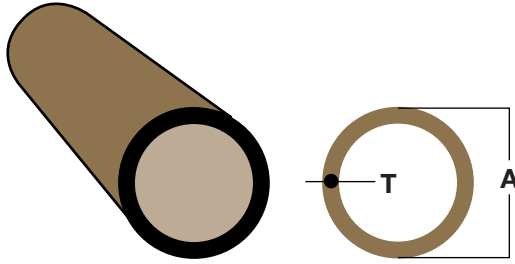


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# BRASS TUBING IN STOCK FO



## ROUND BRASS TUBING

ASTM B-135

O.D. INCHES A = SIZE	APPROXIMATE WEIGHT PER FOOT						
	T = WALL THICKNESS						
	.032	.040	.050	.065	.125	.187	.250
2-1/8			1.20	1.55			
2-1/4	.821	1.03	1.27	1.65	3.07		5.79
2-3/8				1.74			
2-1/2	.914	1.14	1.42	1.83	3.44*		6.51*
2-3/4				2.02	3.80		
2-7/8				2.12			
3	1.10	1.37	1.71	2.21	4.16*		7.96*
3-1/4				2.40	4.52		
3-1/2	1.28			2.59	4.88		9.41
3-5/8			2.03				
3-3/4				2.77	5.25		
4				2.96	5.61		10.85
4-1/4				3.15	5.97		
4-1/2				3.34	6.33		12.30
4-3/4					6.69		
5					7.05		13.74
5-1/8				3.81			
5-1/4					7.41		
5-1/2					7.77		15.19
6					8.50		
6-1/8				4.56			
6-1/4					8.86		
7					9.95		19.53
7-1/4					10.31		20.25
7-1/2					10.67	15.83	20.98
8					11.39		
8-1/4					11.75		
9-5/8						20.42	
10-1/4						21.78	
10-3/8						22.05	

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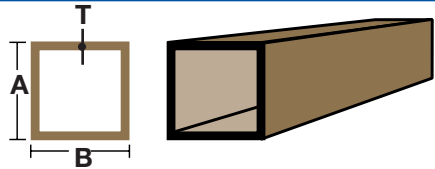
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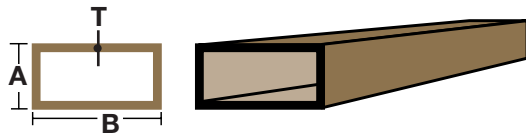


## SQUARE BRASS TUBING

ASTM B-135

SIZE - INCHES A X B	APPROXIMATE WEIGHT PER FOOT							
	T = WALL THICKNESS							
	.025	.032	.040	.050	.062	.093	.100	.125
<b>1/4 x 1/4</b>			.129					
<b>3/8 x 3/8</b>	.131	.165	.202	.248	.298			
<b>1/2 x 1/2</b>	.177	.224	.276	.340	.413	.586*		
<b>5/8 x 5/8</b>		.283	.350	.432	.527	.756*		
<b>3/4 x 3/4</b>	.270	.342	.424	.524	.642	.929*		
<b>7/8 x 7/8</b>		.414	.514	.636				
<b>1 x 1</b>	.362	.460	.572	.709	.870		1.36*	1.66*
<b>1-1/4 x 1-1/4</b>		.577	.717	.890	1.10		1.73*	
<b>1-1/2 x 1-1/2</b>			.866	1.08	1.33		2.09*	2.59*
<b>1-3/4 x 1-3/4</b>			1.02				2.46*	
<b>2 x 2</b>				1.45	1.79		2.84*	3.51*
<b>2-1/2 x 2-1/2</b>					2.36			4.43*
<b>3 x 3</b>					2.83			5.35*

\* ALSO STOCKED IN A385



## RECTANGULAR BRASS TUBING

ASTM B-135

SIZE - INCHES A X B	APPROXIMATE WEIGHT PER FOOT					
	T = WALL THICKNESS					
	.040	.050	.062	.083	.100	.125
<b>3/8 x 3/4</b>	.313					
<b>3/8 x 1</b>	.387					
<b>1/2 x 1</b>		.524	.641		.989*	
<b>1/2 x 1-1/4</b>		.619				
<b>1/2 x 1-1/2</b>		.706	.867		1.35*	
<b>1/2 x 2</b>		.890	1.10		1.72*	
<b>5/8 x 1-1/4</b>		.660				
<b>3/4 x 1</b>		.619				
<b>3/4 x 1-1/2</b>		.790	.981		1.54*	
<b>3/4 x 2</b>		.990	1.22		1.92*	
<b>1 x 1-1/2</b>			1.09		1.73*	
<b>1 x 2</b>	.866	1.08	1.33		2.09*	2.58*
<b>1 x 3</b>						3.51*
<b>1-1/4 x 2</b>					2.29*	
<b>1-1/2 x 2</b>			1.56			3.05*
<b>1-1/2 x 3</b>			2.02			3.97*
<b>1-1/2 x 4</b>						4.88*
<b>1-3/4 x 3</b>						4.20*
<b>1-3/4 x 4</b>						5.13*
<b>2 x 3</b>						4.42*
<b>2 x 4</b>						5.35*

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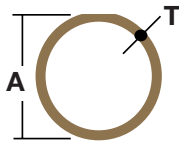
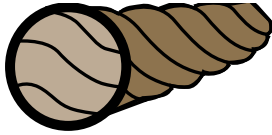


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# ORNAMENTAL

## ROUND ROPED TUBING

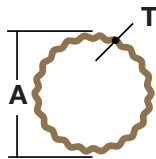
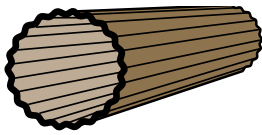
ASTM B-135



O.D. INCHES SIZE = A	APPROXIMATE WEIGHT PER FOOT					
	T = WALL THICKNESS					
	.020	.022	.025	.028	.032	.040
3/8	.082					.162
1/2	.116	.128	.146			.232
5/8	.145	.156	.182		.231	
3/4		.199	.231		.279	
7/8		.236	.258		.327	
1	.229	.254	.310	.322	.376	
1-1/8	.325			.355		
1-1/4			.396		.473	
1-1/2			.448		.571	
2					.765	.952

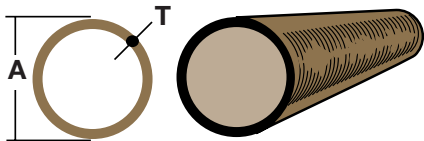
## ROUND REEDED TUBING

ASTM B-135



O.D. INCHES SIZE = A	APPROXIMATE WEIGHT PER FOOT					
	T = WALL THICKNESS					
	.020	.022	.025	.028	.032	.040
3/8	.082					.162
1/2	.116	.128	.146			.232
5/8	.145	.156	.182			
3/4	.177	.199	.231		.279	
7/8	.207	.236	.258			
1	.229	.254	.310		.376	.487
1-1/8	.325			.355		
1-1/4			.396			.634
1-1/2			.448		.571	.717
2			.599		.765	.952

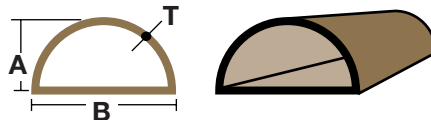
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## ROUND EMBOSSED

O.D. INCHES SIZE = A	WT./FOOT
	T = .040
3/8*	.160
1/2	.221
5/8*	.281
3/4	.342
1	.464
1-1/4	.560

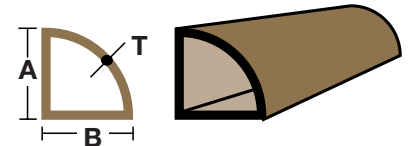
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## HALF ROUND

SIZE - INCHES A x B	WT. PER FOOT	
	T = WALL THICKNESS	
	.040	.050
1/2 x 1	.380	
3/4 x 1-1/2		.667
1 x 2		.910
1-1/2 x 3*		1.29
2 x 4*		2.02

\* TOOLING AVAILABLE



## QUARTER ROUND

SIZE - INCHES A x B	WEIGHT PER FOOT		
	T = WALL THICKNESS		
	.032	.040	.050
5/8 x 5/8	.238	.283	
1 x 1	.390	.488	
1-1/2 x 1-1/2*		.750	.940
2 x 2*			1.24
3 x 3*			2.35

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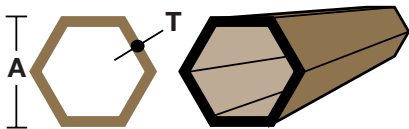
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**HEXAGONAL**

SIZE INCHES	WEIGHT PER FOOT		
	T = WALL THICKNESS		
A	.020	.032	.040
3/8*	.090		.176
1/2*	.122		.243
5/8*	.154		.309
3/4*	.186		.376
1	.250		.510
1-1/8*	.282		.520
1-1/4		.499	.616
1-1/2			.750
2			1.15

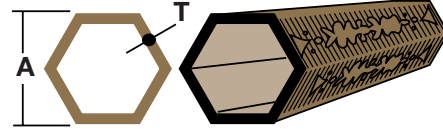
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**TWISTED HEXAGONAL**

SIZE INCHES	WEIGHT PER FOOT		
	T = WALL THICKNESS		
A	.020	.032	.040
3/8*			.176
1/2*	.122		
5/8*	.154		
3/4			
1		.395	
1-1/8			
1-1/4		.499	
1-1/2			.750
2			1.15

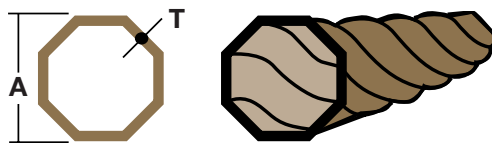
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**HEXAGONAL EMBOSSED**

SIZE - INCHES	WT./FOOT
	T = .040
A	
3/8*	.176
1/2*	.243
5/8*	.309
3/4*	.376
1	.510
1-1/8*	.520
1-1/4*	.616
1-1/2*	.750
2*	1.15

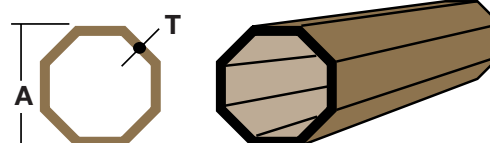
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**TWISTED OCTAGONAL**

SIZE INCHES	WEIGHT PER FOOT			
	T = WALL THICKNESS			
A	.020	.032	.040	.045
3/8*	.087		1.70	
1/2*	.118		.234	
5/8*				
3/4*	.179		.362	
1*	.241	.380	.491	
1-1/4*		.478	.594	
1-1/2*			.717	
2				1.08

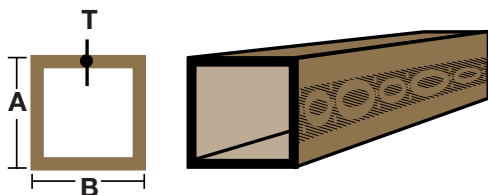
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**OCTAGONAL**

SIZE INCHES	WEIGHT PER FOOT		
	T = WALL THICKNESS		
A	.020	.032	.040
3/8*	.087		.170
1/2*	.118		.234
5/8*	.148		.298
3/4*	.179		.362
1	.241	.380	.491
1-1/4*	.320		.594
1-1/2	.364		.717
2			1.08*

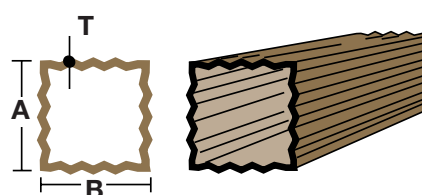
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**SQUARE EMBOSSED**

SIZE - INCHES	T = .040
A x B	WT./FOOT
3/8 x 3/8*	.200
1/2 x 1/2*	.280
5/8 x 5/8*	.350
3/4 x 3/4	.420
1 x 1	.570
1-1/4 x 1-1/4*	.740
1-1/2 x 1-1/2*	.872
2 x 2*	1.20

\* TOOLING AVAILABLE



**SQUARE REEDED**

SIZE - INCHES	T = .040
A x B	WT./FOOT
3/8 x 3/8*	.200
1/2 x 1/2*	.280
5/8 x 5/8*	.350
3/4 x 3/4*	.420
1 x 1	.570
1-1/4 x 1-1/4*	.740
1-1/2 x 1-1/2*	.872
2 x 2*	1.20

\* TOOLING AVAILABLE

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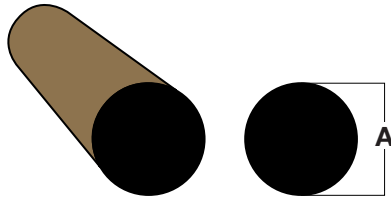
# BRASS

CDA-360  
ASTM B16

## RECTANGULAR BRASS ROD



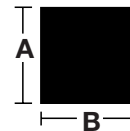
THICKNESS = A INCHES	APPROXIMATE WEIGHT PER FOOT								
	WIDTH = B								
	1/4	3/8	1/2	5/8	3/4	7/8	1	1-1/4	1-1/2
1/16	.056	.086	.118	.147	.177	.206	.235	.287	.348
3/32	.086	.129	.173	.221	.260		.346	.432	.518
1/18	.115	.173	.230	.288	.345	.403	.461	.576	.691
3/16	.173	.265	.345	.432	.518	.604	.691	.863	1.04
1/4		.345	.461	.576	.691	.806	.921	1.15	1.38
5/16		.432	.576	.719	.865	1.00	1.15	1.44	1.73
3/8			.691	.863	1.04	1.21	1.38	1.73	2.07
1/2				1.15	1.38	1.61	1.84	2.30	2.76
5/8					1.73	2.02	2.31	2.88	3.46
3/4							2.76	3.46	4.14
1								4.61	5.55
1-1/4									6.91
1-1/2									
1-3/4									
2									



CDA 360  
ASTM B16

## ROUND ROD

A = SIZE INCHES	WEIGHT PER FOOT	A = SIZE INCHES	WEIGHT PER FOOT
1/16	.011	1-1/8	3.66
3/32	.025	1-3/16	4.08
1/8	.045	1-1/4	4.52
5/32	.070	1-3/8	5.47
3/16	.101	1-1/2	6.51
7/32	.139	1-5/8	7.65
1/4	.181	1-3/4	8.87
5/16	.282	1-7/8	10.17
3/8	.407	2	11.57
7/16	.554	2-1/4	14.65
1/2	.724	2-3/8	16.32
5/8	1.13	2-1/2	18.08
3/4	1.63	2-3/4	21.88
13/16	1.91	3	26.04
7/8	2.22	3-1/4	30.60
15/16	2.54	3-1/2	35.44
1	2.89	3-3/4	40.00
1-1/16	3.27	4	46.30



CDA 360  
ASTM B16

## SQUARE ROD

A SIZE	B INCHES	WEIGHT PER FOOT
1/8	1/8	.058
3/16	3/16	.130
1/4	1/4	.230
5/16	5/16	.360
3/8	3/8	.518
1/2	1/2	.921
5/8	5/8	1.44
3/4	3/4	2.07
7/8	7/8	2.82
1	1	3.69
1-1/8	1-1/8	4.66
1-1/4	1-1/4	5.76
1-3/8	1-3/8	6.97
1-1/2	1-1/2	8.29
1-3/4	1-3/4	11.28
2	2	14.74
2-1/2	2-1/2	23.03
3	3	33.16



# RODS



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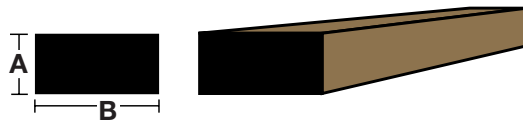
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CDA-360  
ASTM B16

## RECTANGULAR BRASS ROD

THICKNESS = A INCHES	APPROXIMATE WEIGHT PER FOOT								
	WIDTH = B								
	1-3/4	2	2-1/4	2-1/2	3	3-1/2	4	5	6
1/16		.460		.577	.706		.942		
3/32		.697							
1/8	.806	.921	1.04	1.15	1.38		1.84		
3/16	1.21	1.38		1.73	2.07		2.76		
1/4	1.61	1.84	2.07	2.31	2.76	3.22	3.68	4.61	5.52
5/16		2.35		2.88	3.45				
3/8	2.42	2.76	3.11	3.45	4.15	4.84	5.53	6.91	8.30
1/2	3.22	3.68	4.16	4.60	5.53	6.45	7.37	9.20	11.06
5/8	4.03	4.61	5.20	5.75	6.90		9.20		
3/4	4.84	5.53	6.22	6.91	8.29		11.05	13.82	16.55
1	6.44	7.37		9.20	11.05	12.90	14.74	18.42	22.11
1-1/4		9.21		11.52	13.82		18.42		
1-1/2	9.67	11.05		13.82	16.58		22.10		
1-3/4		12.89			19.34				
2				18.42	22.10		29.48		

OTHER SIZES AND LENGTHS AVAILABLE BY SPECIAL REQUEST



CDA 360  
ASTM B16

## HALF-ROUND

A HEIGHT	B WIDTH	WEIGHT PER FOOT
3/32	3/16	.052
1/8	1/4	.090
3/16	3/8	.204
1/4	1/2	.362
5/16	5/8	.566
3/8	3/4	.815
1/2	1	1.45
3/4	1-1/2	3.25
1	2	5.79



CDA 360  
ASTM B16

## HALF-OVAL

A HEIGHT	B WIDTH	WEIGHT PER FOOT
3/32	3/8	.097
1/8	3/8	.136
1/8	1/2	.176
3/16	3/4	.378
1/4	1	.662
5/16	1-1/4	1.13
5/16	1-1/2	1.36
1/2	2	2.90



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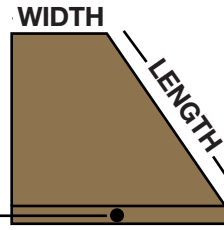
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# BRASS SHEET & BRASS COIL

## BRASS SHEET / PLATE

CDA 260 ASTM B36

ALSO STOCKED IN CDA 353 LEADED ALLOY T = THICKNESS



T - INCHES	WIDTH	LENGTH	LBS./SQ. FT.	LBS./SHEET
.016	24	96	.7096	11.35
.016	36	96		17.03
.020	24	96	.8915	14.26
.020	36	96		21.39*
.025	24	96	1.122	17.95
.025	36	96		26.92*
.032	24	96	1.419	22.70
.032	36	96		34.05*
.032	48	96		45.40**
.040	24	96	1.787	28.59
.040	36	96		42.88*
.040	48	96		57.19**
.050	24	96	2.253	36.05
.050	36	96		54.07*
.050	48	96		72.10**
.064	12	96	2.843	22.75
.064	24	96		45.49***
.064	36	96		68.23*
.064	48	96		90.98**
.072	36	96	3.193	76.63
.080	36	96	3.584	86.01
.080	48	96		114.69**
.090	12	96	4.023	32.19
.090	24	96		64.37***
.090	36	96		96.55
.090	48	96		128.74**

T - INCHES	WIDTH	LENGTH	LBS./SQ. FT.	LBS./SHEET
.102	36	96	4.520	108.48
.125	12	96	5.544	44.35
.125	24	96		88.70***
.125	36	96		133.05
.125	48	96		177.41**
3/16	24	96	8.316	132.20**
3/16	36	96		198.29***
3/16	48	96		266.11**
1/4	12	96	11.02	88.16**
1/4	24	96		176.32***
1/4	36	96		264.48***
1/4	48	96		352.64**
3/8	12	96	16.52	132.16**
3/8	24	96		264.32**
3/8	36	96		396.48**
1/2	12	96	22.02	176.16**
1/2	24	96		352.32**
1/2	36	96		528.48**
3/4	12	96	33.05	264.40**
3/4	24	96		528.80**
3/4	36	96		793.20**
1	12	96	44.00	352.00**
1	24	96		704.00**
1	36	96		1056.00**

\* ALSO STOCKED IN SOFT TEMPER  
\*\* ALSO AVAILABLE IN MUNTZ METAL  
\*\*\* ALSO STOCKED IN ALLOY 353 LEADED ALLOYS

COPPER SHEETS AVAILABLE IN CDA 110 AND 102

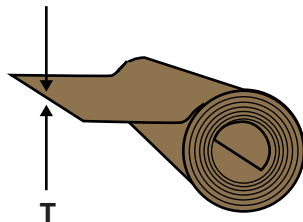
BRASS SHEETS AVAILABLE IN CDA 220 (COMMERCIAL BRONZE) AND CDA 230 (RICH LOW BRASS)

## BRASS COIL

ASTM B36

CDA 260

MILL WIDTHS



T - INCHES	LBS./SQ. FT.	T - INCHES	LBS./SQ. FT.	T - INCHES	LBS./SQ. FT.
.010	.4435	.028	1.2419	.050	2.2176
.012	.5322	.032	1.4193	.062	2.7498
.016	.7096	.035	1.5523	.070	3.1046
.020	.8840	.040	1.7741	.080	3.5482
.025	1.1088	.045	1.9958	.090	3.9917

ALLOYS AVAILABLE: 122, 260, 268, 510, 706, 752

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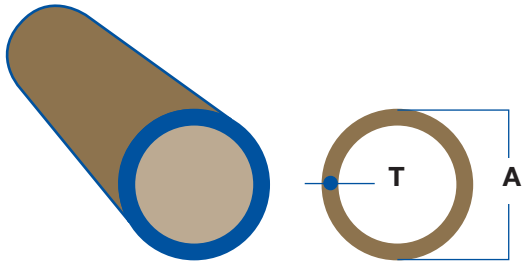


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## CDA 385



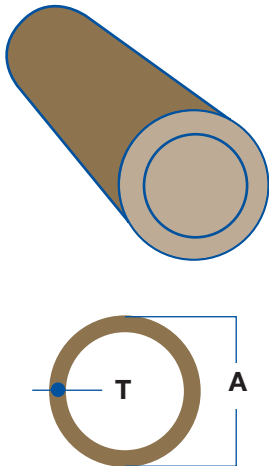
O.D. INCHES A = SIZE	APPROX. WT./FT. T = WALL THICKNESS	
	.125	.250
<b>3/4</b>	.904	
<b>1</b>	1.27	
<b>1-1/4</b>	1.63	
<b>1-1/2</b>	1.99	3.98
<b>1.90</b>	2.07*	
<b>2</b>	2.71	5.06
<b>2-1/2</b>	3.44	6.51
<b>3</b>	4.16	7.96

STOCKED IN 16 FOOT MILL LENGTHS. \*STOCKED IN .100 WALL

## ASTM B43

## RED BRASS PIPE

## CDA 230



A = NOMINAL PIPE SIZE	STANDARD	SCHEDULE 40		WT. PER FOOT
	ACTUAL O.D.	ACTUAL I.D.	WALL=T	
<b>1/8</b>	.405	.281	.062	.253
<b>1/4</b>	.540	.375	.082	.447
<b>3/8</b>	.675	.494	.090	.627
<b>1/2</b>	.840	.625	.107	.934
<b>3/4</b>	1.05	.822	.114	1.27
<b>1</b>	1.315	1.062	.126	1.78
<b>1-1/4</b>	1.66	1.368	.146	2.63
<b>1-1/2</b>	1.90	1.60	.150	3.13
<b>2</b>	2.375	2.062	.156	4.12
<b>2-1/2</b>	2.875	2.50	.187	5.99
<b>3</b>	3.50	3.06	.219	8.56
<b>3-1/2</b>	4.00	3.50	.250	11.20
<b>4</b>	4.50	4.00	.250	12.70

A = NOMINAL PIPE SIZE	EXTRA HEAVY	SCHEDULE 80		WT. PER FOOT
	ACTUAL O.D.	ACTUAL I.D.	WALL=T	
<b>1/8</b>	.405	.205	.100	.363
<b>1/4</b>	.540	.294	.123	.611
<b>3/8</b>	.675	.421	.127	.829
<b>1/2</b>	.840	.542	.149	1.23
<b>3/4</b>	1.05	.736	.157	1.67
<b>1</b>	1.315	.951	.182	2.46
<b>1-1/4</b>	1.66	1.272	.194	3.39
<b>1-1/2</b>	1.90	1.494	.203	4.10
<b>2</b>	2.375	1.933	.221	5.67
<b>2-1/2</b>	2.875	2.315	.280	8.66
<b>3</b>	3.50	2.892	.304	11.60
<b>3-1/2</b>	4.00	3.358	.321	14.10
<b>4</b>	4.50	3.818	.341	16.90

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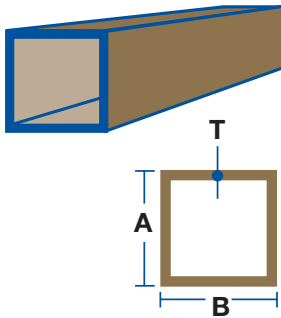


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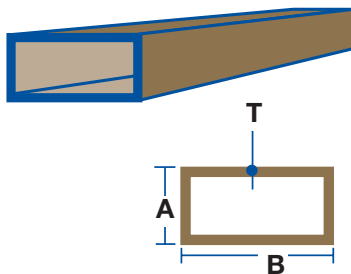
CDA 385

### SQUARE BRONZE TUBING

SIZE - INCHES A x B	APPROXIMATE WEIGHT PER FOOT		
	T = WALL THICKNESS		
	.093	.100	.125
1/2 x 1/2	.586		
5/8 x 5/8	.756		
3/4 x 3/4	.929		
1 x 1		1.36	1.66
1-1/4 x 1-1/4		1.73	
1-1/2 x 1-1/2		2.09	2.58
1-3/4 x 1-3/4		2.46	
2 x 2		2.84	3.51
2-1/2 x 2-1/2		3.48	4.43
3 x 3			5.35

STOCKED IN 16 FOOT MILL LENGTHS

OTHER SIZES AND LENGTHS AVAILABLE BY SPECIAL REQUEST.



CDA 385

### RECTANGULAR BRONZE TUBING

SIZE - INCHES A x B	APPROX. WEIGHT PER FOOT	
	T = WALL THICKNESS	
	.100	.125
1/2 x 1	.989	
1/2 x 1-1/2	1.36	
1/2 x 2	1.72	
3/4 x 1-1/2	1.54	
1 x 1-1/2	1.73	
1 x 2	2.09	2.58
1 x 3		3.51
1-1/2 x 3		3.97
1-3/4 x 3		4.20
1-3/4 x 4		5.13
2 x 3		4.43
2 x 4		5.35

STOCKED IN 16 FOOT MILL LENGTHS

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## BRONZE RODS



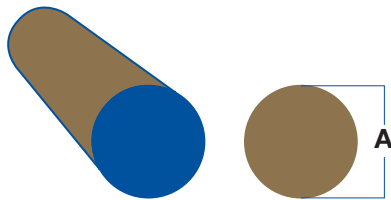
ASTM 455

### RECTANGULAR BRONZE ROD

CDA 385

A = THICKNESS	APPROXIMATE WEIGHT PER FOOT										
	B = WIDTH										
A	1/2	5/8	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4	6
1/8	.230	.288	.345	.461	.576	.691	.921	1.15	1.38	1.84	
3/16	.345*	.432*	.518*	.691	.863	1.04	1.38	1.73*	2.07*	2.76*	
1/4	.461	.576*	.691	.921	1.15	1.38	1.84	2.31	2.76	3.65	5.52
3/8	.691*	.863*	1.04*	1.38	1.73	2.07	2.76	3.45	5.48	5.53*	8.30*
1/2			1.38	1.84	2.30	2.76	3.68	4.60	5.48	7.37*	11.06*
3/4				2.76	3.46*	4.14	5.53	3.46*	8.29*	11.05*	16.55*
1					4.61*	5.55*	7.37	9.20*	11.05*	14.76*	22.11*

STOCKED IN 16 FOOT MILL LENGTHS \*TOOLING AVAILABLE  
OTHER SIZES AND LENGTHS AVAILABLE BY SPECIAL REQUEST.



### ROUND BRONZE ROD

ASTM B455

CDA 385

SIZE - INCHES	WT./FT.
1/4	.181
3/8	.407
1/2	.724
5/8	1.13
3/4	1.63
1	2.89
1-1/4	4.52
1-1/2	6.51
2	11.57

STOCKED IN 16 FOOT MILL LENGTHS  
OTHER SIZES AND LENGTHS AVAILABLE BY SPECIAL REQUEST.



### SQUARE BRONZE ROD

ASTM B455

CDA 385

A x B	WT./FT.
1/4 x 1/4	.230
3/8 x 3/8	.518
1/2 x 1/2	.921
5/8 x 5/8	1.44
3/4 x 3/4	2.07
1 x 1	3.68
1-1/4 x 1-1/4	5.76
1-1/2 x 1-1/2	8.29
2 x 2	14.74

STOCKED IN 16 FOOT MILL LENGTHS  
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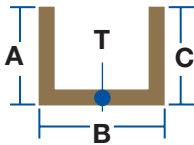
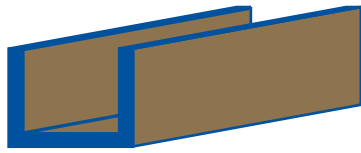


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# CHANNELS & TEES

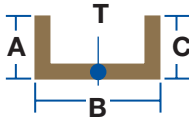
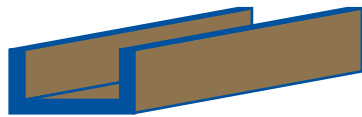


ASTM B455

## BRASS/BRONZE CHANNEL-EQUAL LEGS

SIZE - INCHES A x B x C	APPROXIMATE WEIGHT PER FOOT T = WALL THICKNESS			
	.040	.062	.093	.125
<b>1/4 x 1/4 x 1/4</b>	.120			
<b>3/8 x 3/8 x 3/8</b>		.260		
<b>1/2 x 1/2 x 1/2**</b>		.300	.450	
<b>5/8 x 5/8 x 5/8</b>			.600	
<b>3/4 x 3/4 x 3/4</b>			.680	.900
<b>1 x 1 x 1</b>			.930	1.25
<b>1-1/4 x 1-1/4 x 1-1/4</b>				1.60
<b>1-1/2 x 1-1/2 x 1-1/2</b>				1.94
<b>2 x 2 x 2</b>				2.60

\*\*ALSO STOCKED IN RADIUS BACK  
OTHER SIZES AND LENGTHS AVAILABLE BY SPECIAL REQUEST.



ASTM B455

## BRASS/BRONZE CHANNEL UNEQUAL LEGS

SIZE - INCHES A x B x C	APPROX. WT. PER FT. T = WALL THICKNESS	
	.093	.125
<b>3/8 x 3/4 x 3/8</b>		.570
<b>1/2 x 1 x 1/2</b>		.840
<b>1/2 x 1-1/4 x 1/2</b>		.930
<b>1/2 x 1-1/2 x 1/2</b>		1.02
<b>5/8 x 1-1/4 x 5/8</b>		1.06
<b>5/8 x 1-1/2 x 5/8</b>		1.12
<b>3/4 x 1/2 x 3/4</b>	.626	
<b>3/4 x 1 x 3/4</b>		1.08
<b>3/4 x 2 x 3/4</b>		1.48
<b>1 x 1-1/2 x 1</b>		1.45
<b>1 x 2 x 1</b>		1.75
<b>1 x 2-1/2 x 1</b>		1.94
<b>1-1/2 x 1 x 1-1/2</b>		1.44

OTHER SIZES AND LENGTHS AVAILABLE BY SPECIAL REQUEST.



ASTM B455

## BRASS/BRONZE TEES

SIZE - INCHES A x B	APPROX. WT. PER FT. T = WALL THICKNESS	
	.125	.187
<b>3/4 x 3/4</b>	.640	
<b>1 x 1</b>	.890	
<b>1-1/2 x 1-1/2</b>	1.35	1.94
<b>2 x 2</b>		2.61

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# ANGLES



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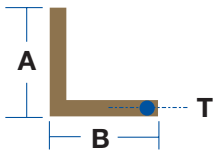
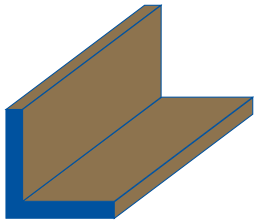
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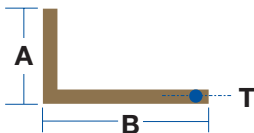
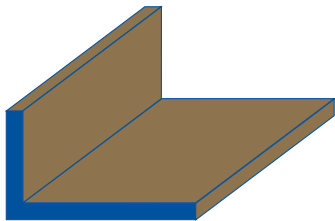


ASTM B455

## BRASS/BRONZE ANGLE EQUAL LEG

SIZE - INCHES A x B	APPROXIMATE WEIGHT PER FOOT				
	T = WALL THICKNESS				
	.062	.093	.125	.187	.250
<b>1/4 x 1/4</b>	.116				
<b>3/8 x 3/8</b>	.165	.220	.300		
<b>1/2 x 1/2</b>	.231	.310	.420		
<b>5/8 x 5/8</b>	.286	.360	.520		
<b>3/4 x 3/4</b>	.352	.480	.640		
<b>1 x 1</b>	.484	.690	.890	1.36	1.60
<b>1-1/4 x 1-1/4</b>	.550	.820	1.09	1.60	2.05
<b>1-1/2 x 1-1/2</b>			1.35	1.92	2.52
<b>2 x 2</b>			1.79	2.61	3.37
<b>2-1/2 x 2-1/2</b>			2.17		4.35
<b>3 x 3</b>			2.63		5.25

OTHER SIZES AND LENGTHS AVAILABLE BY SPECIAL REQUEST.



ASTM B455

## BRASS/BRONZE ANGLE UNEQUAL LEG

SIZE - INCHES A x B	APPROX. WT./FT.	
	T = WALL THICKNESS	
	.062	.125
<b>3/8 x 3/4</b>		.450
<b>1/2 x 3/4</b>		.520
<b>1/2 x 1</b>	.326	.650
<b>1/2 x 1-1/2</b>		.840
<b>1/2 x 2</b>		1.09
<b>3/4 x 1</b>		.750
<b>3/4 x 1-1/4</b>		.880
<b>3/4 x 1-1/2</b>		.970
<b>1 x 1-1/2</b>		1.10
<b>1 x 2</b>		1.33
<b>2 x 3</b>		2.20

OTHER SIZES AND LENGTHS AVAILABLE BY SPECIAL REQUEST.



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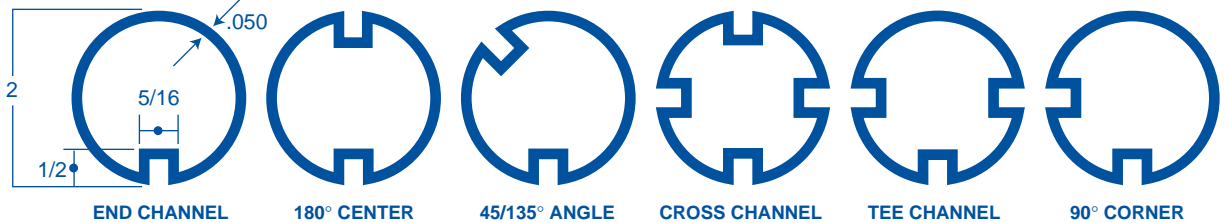
# HANDRAIL TUBING

## INTRODUCING THE BRASS/GLASS RAILING SYSTEM BY LEWIS BRASS

The Brass/Glass railing is a NEW system of brass railing components for use on handrails, sneeze guards, area dividers, mirrors, and signs.

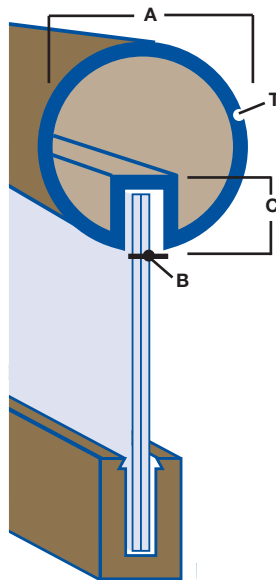
All Brass channel tubes are 2" O.D. x .050 wall thickness with a 5/16" x 1/2" deep channel to accommodate 1/4" materials such as glass, plexiglas, mirrors, and colored panels as a structural and decorative framing system. This unique patented product can easily help you design and assemble custom-made sneeze guards and salad bars with the use of stock component fittings.

**\*Square O.D.'s & Other Configurations Available By Special Order.**



## BRASS & BRONZE HANDRAIL TUBING

The Brass/Glass Handrail Tubing is a new system for use with either 1/8, 1/4", or 1/2" tempered glass panels. Available in mill finish, satin finish or mirror polished. Special sizes and shapes available by special request.



ASTM B135

A OUTSIDE DIAMETER INCHES	B CHANNEL INSIDE WIDTH INCHES	C CHANNEL DEPTH INCHES	T OVERALL WALL THICKNESS	WEIGHT PER FOOT
1.90	3/4	1-1/4	.100	2.70
2*	5/16	1/2	.050	1.21
2	3/4	1	.065	2.10
2-1/2	3/4	1-1/4	.065	2.26
2-1/2	3/4	1-1/4	.080	3.17
3**	3/4	1-1/4	.080	3.29
3-1/2**	3/4	1-1/4	.087	4.33

\*ALSO STOCKED IN 45/135 DOUBLE SLOT • 90 DOUBLE SLOT • 180 DOUBLE SLOT  
TRIPLE SLOT • QUAD SLOT

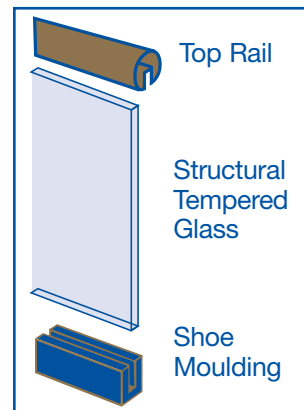
\*\*TOOLING AVAILABLE FOR .125 WALL OR .187 WALL.

6063-T6

6061-T6



HANDRAIL ALUMINUM ALLOY NO.	BASE SHOE WT./FT
6063-T-6	8.24
6061-T-6	5.42





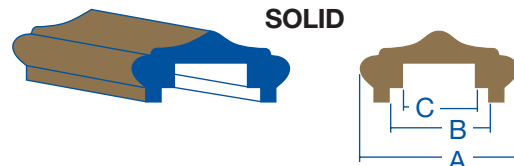
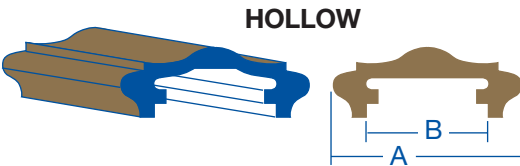
# ARCHITECTURAL HANDRAIL MOULDING

## ARCHITECTURAL BRASS & BRONZE HANDRAIL MOULDING

ASTM B455

These handrail extrusion mouldings are available in CDA 385 Architectural Bronze, available in mill finish, satin finish, or mirror polished.

\*Other Configurations Available By Special Order.



A	B	WEIGHT PER FOOT
1-5/8	1-1/16	1.28
1-15/16	1-5/16	1.83
2-1/4	1-9/16	2.10

A	B	C	WEIGHT PER FOOT
1-5/8	1-1/16	5/8	1.84
1-15/16	1-5/16	1-1/16	2.56
2-1/4	1-9/16	1-5/16	3.12

## COPPER ALLOY DATA

This chart depicts the standard designations for copper alloys. It is advisable to keep this table on file for future needs. Hopefully the listing will provide a workable method for identifying and ordering mill products for all your fabricating needs.

CDA ALLOY NO.	TRADE NAME	COPPER %	ZINC %	LEAD %	IRON %	NICKEL %	TIN %	MANGANESE %	OTHER
101	OXYGEN FREE COPPER	99.99							.0003P(.0010 TE)
102	OXYGEN FREE COPPER	99.95							
110	COPPER ETP	99.90							
122	COPPER DHP	99.90				.015-.040			.015-.040P
220	COMMERCIAL BRONZE	89.0-91.0	REM.	0.05	0.05				
230	RED BRASS	84.0-86.0	REM.	0.05	0.05				
240	LOW BRASS	78.5-81.5	REM.	0.05	0.05				
260	CARTRIDGE BRASS	68.5-71.5	REM.	0.07	0.05				
270	YELLOW BRASS	63.0-68.5	REM.	0.10	0.07				
272	YELLOW BRASS	62.0-65.0	REM.	0.07	0.07				
274	YELLOW BRASS	61.0-64.0	REM.	0.10	0.05				
280	MUNTZ METAL	59.0-63.0	REM.	0.30	0.07				
330	LOW LEADED BRASS	65.0-68.0	REM.	.25-.70	0.07				
332	HIGH LEADED BRASS	65.0-68.0	REM.	1.5-2.5	0.07				
335	LOW LEADED BRASS	62.0-65.0	REM.	.25-.70	0.15				
353	ENGRAVERS BRASS	60.0-63.0	REM.	1.5-2.5	0.15				
356	EXTRA HIGH LEADED	60.0-63.0	REM.	2.0-3.0	0.15				
360	FREE-CUTTING BRASS	60.0-63.0	REM.	2.5-3.7	0.35				
365	LEADED MUNTZ METAL	58.0-61.0	REM.	2.5-.70	0.15		.25		
377	FORGING BRASS	58.0-61.0	REM.	1.5-2.5	0.30				
380	ARCHITECTURAL BRONZE	55.0-60.0	REM.	1.5-2.5	0.35		0.30		.50AL
385	ARCHITECTURAL BRONZE	55.0-59.0	REM.	2.5-3.5	0.35				
443	ADMIRALTY BRASS	70.0-73.0	REM.	0.07	0.06		.80-1.20		.02-.06AS
464	NAVAL BRASS	59.0-62.0	REM.	0.20	0.10		.50-1.00		
706	COPPER NICKEL	REM	1.00	0.05	1.0-1.8	9.00-11.00			1.00
715	COPPER NICKEL	REM.	1.00	0.05	.40-1.0	29.0-33.00			1.00
740	NICKEL SILVER	69.0-73.5	REM.	0.10	0.25	9.00-11.00			0.50
752	NICKEL SILVER	63.5-66.5	REM.	0.05	0.25	16.5-19.5			0.50



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# UNIBRASS™ PRODUCT SPECIFICATIONS

Manufactured in accordance with ASTM B 587 Type I and ASTM B 543 Latest Revision

**ALLOYS AVAILABLE: 122, 260, 268, 510, 706 & 752**  
**DIMENSIONAL TOLERANCES AND WEIGHTS**

OUTSIDE DIAMETER		WALL THICKNESS		POUNDS PER FOOT
SIZE	TOLERANCE	GAUGE	TOLERANCE	
5/8" (15.88mm)	±.002	.032 (.81mm)	±.0025	.2203
		.040 (1.02mm)	±.0030	.2717
3/4" (19.05mm)	±.0025	.025 (.64mm)	±.0025	.2105
		.032 (.81mm)	±.0030	.2660
		.035 (.89mm)	±.0030	.2906
		.040 (1.02mm)	±.0035	.3290
		.042 (1.07mm)	±.0035	.3453
13/16" (20.64mm)	±.0025	.062 (1.58mm)	±.0040	.5403
		.065 (1.65mm)	±.0040	.5642
		.070 (1.78mm)	±.0040	.6035
7/8" (22.23mm)	±.0025	.045 (1.14mm)	±.0035	.4337
1" (25.4mm)	±.0025	.023 (.58mm)	±.0020	.2609
		.032 (.81mm)	±.0025	.3597
		.035 (.89mm)	±.0035	.3922
		.039 (.99mm)	±.0035	.4352
		.050 (1.27mm)	±.0035	.5515
		.055 (1.40mm)	±.0035	.6035
1-1/4" (31.75mm)	±.003	.025 (.64mm)	±.0030	.3556
		.029 (.74mm)	±.0030	.4111
		.031 (.79mm)	±.0030	.4388
		.035 (.89mm)	±.0035	.4938
		.039 (.99mm)	±.0035	.5484
		.042 (1.07mm)	±.0035	.5891
		.045 (1.14mm)	±.0035	.6296
1-3/8" (34.92mm)	±.003	.025 (.64mm)	±.0030	.3919
		.029 (.74mm)	±.0030	.4532
		.031 (.79mm)	±.0030	.4838
		.035 (.89mm)	±.0035	.5446
		.039 (.99mm)	±.0035	.6050
		.042 (1.07mm)	±.0035	.6501
1-1/2" (38.1mm)	±.003	.045 (1.14mm)	±.0035	.6949
		.025 (.64mm)	±.0030	.4282
		.029 (.74mm)	±.0030	.4953
		.031 (.79mm)	±.0030	.5288
		.035 (.89mm)	±.0035	.5954
		.039 (.99mm)	±.0035	.6616
		.042 (1.07mm)	±.0035	.7110
		.045 (1.14mm)	±.0035	.7602
1-3/4" (44.5mm)	±.003	.051 (1.30mm)	±.0035	.8581
		.063 (1.60mm)	±.0040	1.0512
		.032 (.81mm)	±.0030	.6383
		.038 (.97mm)	±.0035	.7554
2" (5.8mm)	±.003	.042 (1.07mm)	±.0035	.8329
		.028 (.71mm)	±.0030	.6411
		.032 (.81mm)	±.0030	.7312
		.035 (.89mm)	±.0035	.7986
		.042 (1.07mm)	±.0035	.9549
		.050 (1.27mm)	±.0035	1.1321
		.060 (1.52mm)	±.0040	1.3516

# Unique by Comparison

Excellent concentricity, improved yields. Consistent gauge control. Superior surface finish. UNIBRASS™ tube from American UniBrass Tube offers all these advantages and more over conventionally drawn seamless tubing.

The uniqueness of UNIBRASS begins with high quality, close tolerance brass strip. This strip is roll-formed into a tube and high-frequency welded. The tubing is then cold-reduced, eddy current tested, cut to length, visually inspected and mechanically tested.

This process, a UNIBRASS exclusive, creates brass tubing superior to drawn seamless and with much greater consistency of dimensions as well as polishing properties than any other product available in the market today!

UNIBRASS is the choice of discriminating manufacturers of plumbing goods, brass beds and furniture, architectural and decorative products. It's superior quality makes UNIBRASS the ideal selection for many other uses as well.

American UniBrass Tube is one of the leading domestic & international producers of high quality copper and copper alloy welded products. The company is part of a group that combines the strengths of the world's largest stocking distributor of brass tubing and the engineering and drawing abilities of one of the finest redraw mills in the United States.

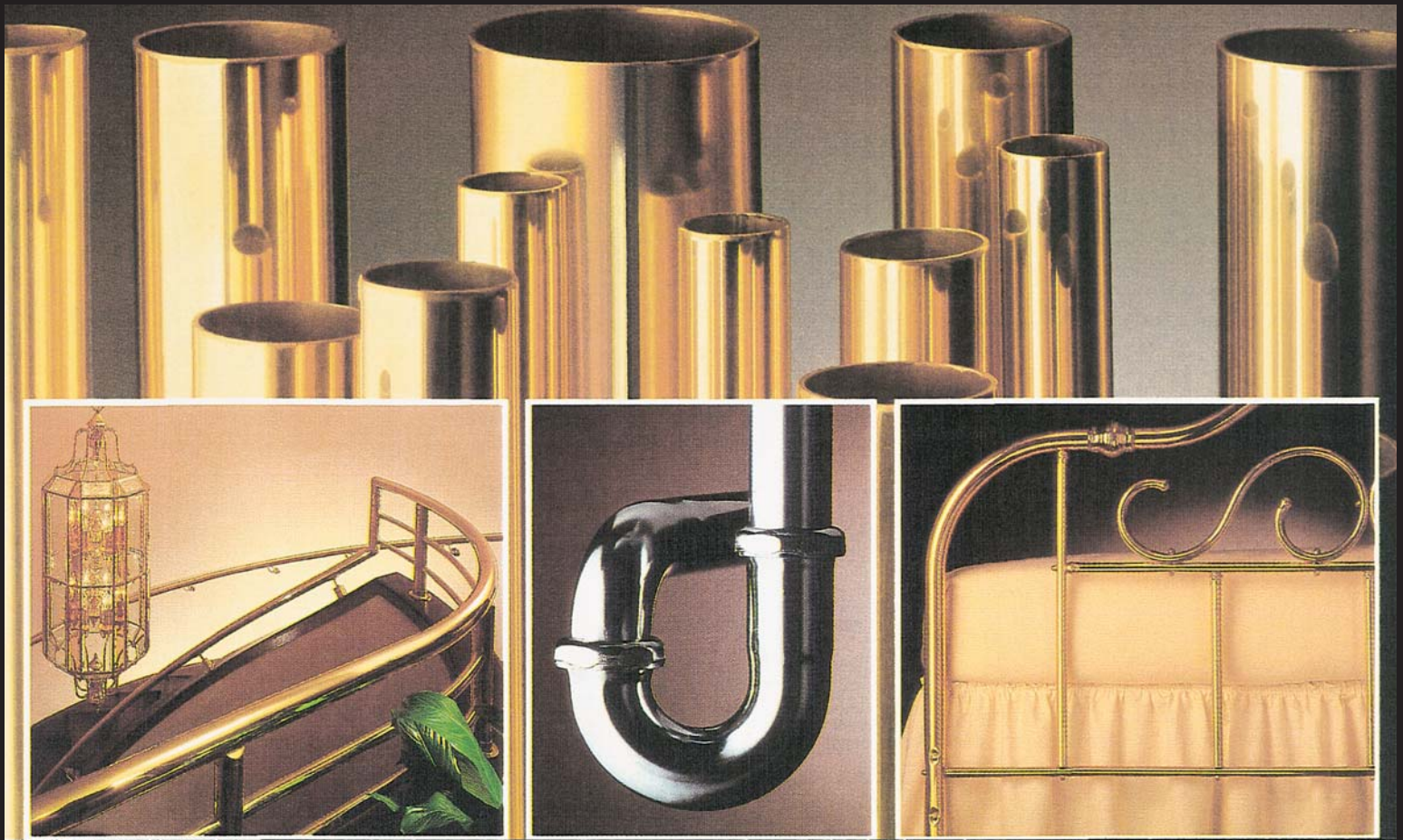
Our group offers over four million pounds of quality brass and copper alloy products from stock. As welded, welded & polished, welded & drawn, and welded-drawn and annealed to custom sizes and shapes are available from 1/16" o.d. to 3" o.d.

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1-800-221-5579

or fax 1-718-326-4032



## UNIBRASS™ from American UniBrass

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Middle Village, New York 11379

Fax: 718-326-4032

Email: [unibrass@lewisbrass.com](mailto:unibrass@lewisbrass.com)

Factory: Thomaston, Connecticut