



GUIDE TO SELECTION Brass/Bronze

BRASS

ALLOY 260 (UNS C26000) (ASTM B19) (QQ-B-613)

An alloy containing nominally 70% copper and 30% zinc. Often referred to as Cartridge Brass. Inventoried in strip cut from sheet.

ALLOY 360 (UNS C36000) (ASTM B16) (QQ-B-626)

An alloy containing nominally 61.5% copper, 3% lead, and 35.5% zinc. Most commonly used alloy for automatic screw machine work when maximum machinability is desired. Often referred to as Free Cutting Brass because of machinability rating (100%). Inventoried in flat, round, square, and hex.

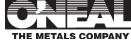
BRONZE

660 BEARING BRONZE (UNS C93200) (ASTM B505) (QQ-C-390)

A continuously cast alloy containing nominally 83% copper, 7% lead, and 7% tin. It has excellent load capacity qualities and good machinability. Inventoried in round and hollow bar.

ALUMINUM BRONZE (UNS C95400)

A copper alloy with aluminum as the principal alloying element, normally in the range of 10%-11.5%. Especially suited for heavy duty applications that involve fatigue, wear, or abrasion. Inventoried in round and flat.



BRASS SHEET

UNS C26000
8 FOOT LENGTHS

Size In Inches	Wt. Per Sq. Ft. In Lbs.
.090 x 12	4

BRASS - Square

UNS C36000 – HALF HARD TEMPER
10 - 12 FOOT LENGTHS

Size In Inches	Wt. Per Ft. In Lbs.
1/2	.921
3/4	2.070
1	3.680
1-1/2	8.290

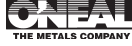
NOTE: Other sizes and grades available upon request.

BRASS - Hex

UNS C36000 – HALF HARD TEMPER
10 - 12 FOOT LENGTHS

Size In Inches	Wt. Per Ft. In Lbs.
1/2	.798
3/4	1.800
1	3.190

NOTE: Other sizes and grades available upon request.



BRASS / BRONZE – Flats

UNS C36000 – HALF HARD TEMPER
10 - 12 FOOT LENGTHS

UNS C95400 – ALUMINUM BRONZE
8 - 12 FOOT LENGTHS

Size In Inches	Brass 360	Wt. Per Ft. In Lbs. 360	Alum. Bronze C95400	Wt. per Ft. In Lbs. C95400
1/8 x 1/2		.230		
1		.459		
2		.918		
3/16 x 2		1.38		
1/4 x 1		.918		1.15
1-1/4		1.15		
1-1/2		1.38		1.68
2		1.84		2.22
2-1/2		2.30		
3		2.75		3.28
4		3.67		
3/8 x 3/4		1.03		
1		1.38		
1-1/2		2.07		2.32
2		2.75		
3		4.13		
1/2 x 1		1.84		
1-1/2		2.75		
2		3.67		
3		5.52		
4		7.37		7.64
6				11.38
3/4 x 1		2.75		
1-1/2		4.13		
2		5.51		
3		8.26		

NOTE: These sizes and grades available upon request.

BRASS AND BRONZE





BRASS / BRONZE – Flats

UNS C36000 – HALF HARD TEMPER
10 - 12 FOOT LENGTHS

UNS C95400 – ALUMINUM BRONZE
8 - 12 FOOT LENGTHS

Size In Inches	Brass 360	Wt. Per Ft. In Lbs. 360	Alum. Bronze C95400	Wt. per Ft. In Lbs. C95400
1 x 1-1/2		5.53		
2		7.37		7.25
3		11.05		
1-1/4 x 2-1/2				11.08
1-1/2x 2		11.00		
3		16.58		

NOTE: These sizes and grades available upon request.



BRASS / BRONZE – Rounds

UNS C36000 – HALF HARD TEMPER
10 - 12 FOOT LENGTHS

UNS C93200 – (600 BEARING BRONZE)
105 INCH LENGTHS

UNS C95400 – ALUMINUM BRONZE
8 - 12 FOOT LENGTHS

Size In Inches	Brass 360	Wt. Per Ft. In Lbs. 360	Bronze 660	Wt. Per Ft. In Lbs. 660	Alum. Bronze C95400	Wt. Per Ft. In Lbs. C95400
3/16		.102				
1/4		.181				
5/16		.283				
3/8		.407				
7/16		.554				
1/2		.723		.890		
5/8		1.13				
3/4		1.63		1.92		1.70
7/8		2.22				
1		2.89		3.35		2.92
1-1/8		3.66				
1-1/4		4.52		5.16		
1-1/2		6.51		7.34		6.32
1-5/8		7.64				
1-3/4		8.86		9.94		
2		11.60		12.90		11.00
2-1/4		14.60				
2-1/2		18.10		20.02		17.24
2-3/4		21.90				
3		26.00		28.68		24.57
3-1/2				38.89		
4		46.30		51.55		
5		72.30				
6				116.04		

NOTE: These sizes and grades available upon request.



BRONZE BUSHING STOCK

UNS C93200 (600 BEARING BRONZE)
105 INCH LENGTHS

I.D. Size In Inches	O.D. Size In Inches	Wt. Per Inch In Lbs.
1/2 x	1-1/2	.562
3/4 x	1-1/4	.305
3/4 x	1-1/2	.486
1 x	1-1/2	.381
1 x	2	.829
1 x	2-1/2	1.419
1 x	3	2.143
1-1/2 x	2	.533
1-1/2 x	2-1/2	1.124
1-1/2 x	3	1.838
1-1/2 x	3-1/2	2.695
1-3/4 x	2-1/2	.914
2 x	2-1/2	.686
2 x	2-3/4	1.029
2 x	3	1.400
2 x	3-1/2	2.248
2 x	4	3.362
2-1/4 x	3	1.143
2-1/2 x	3	.838
2-1/2 x	3-1/2	1.686
2-1/2 x	4	2.771
3 x	4	2.114
3-1/2 x	4-1/2	2.381
3-3/4 x	4-3/4	2.562
4 x	6	5.714
4-1/2 x	5-1/2	3.152

NOTE: These sizes and grades available upon request.