

Today's CANADA METAL

Offers a Complete Line of:

BRONZE

- SAE-660
- Aluminum Bronze
- And many others

COPPER

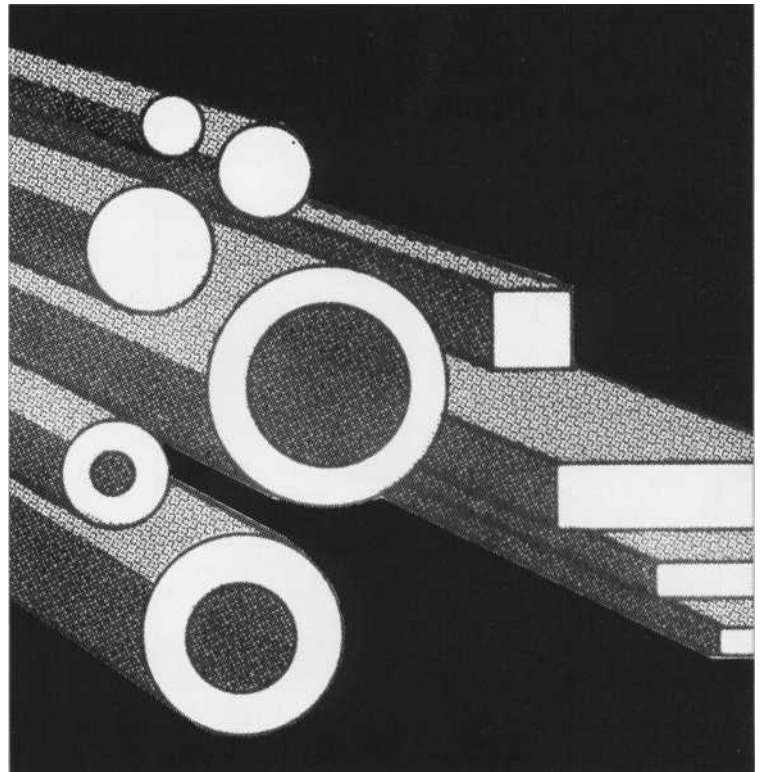
- 110

BRASS

- 260
- 360 Free Cutting
- Soft or hard tensile



COPPER & BRASS



BRONZE

THE
**CANADA
METAL**
COMPANY LIMITED

5523 - 4th St. S.E. • Calgary, Alberta T2H 1 K8

Local (403) 252-7646

Toll Free 1-800-352-8215

Fax (403) 252-0831

SPECIFICATIONS OF

ALLOY CLASS

SIMILAR EQUIVALENTS

BEARING BRONZES

COMMON NAMES	COPPER ALLOY #C	+A.S.T.M.		FEDERAL* OQ-C-390-B NEW	2SAE# SUPERCEDED	WEIGHT Lbs. per Cu. In.
		PRESENT	PREVIOUS			
RED BRASS "B" METAL	83600	B584-836	B145-4A	836	40	.318
BEARING BRONZE	93200	B584-932	B144-3B	932	660	.320
PHOSPHOR BRONZE	93700	B584-937	B144-3A	937	64	.325
SEMI PLASTIC BZE	93800	B584-938	B144-3D	938	67	.335
HIGH LEADED TIN BRONZE	94300	B584-943	B144-3E	943	794	.337
NAVY "M" "A" METAL	92200	B584-922 B61-922	B143-2A	922	622	.315
NAVY "G"	90300	B584-903	B143-1B	903	620	.315
LEADED NAVY "G"	92300	B584-923	B143-2B	923	621	.318
GUN METAL	90500	B584-905	B143-1A B22-D	905	62	.314
LEADED GUN METAL	92700	B584-927		927	63	.315
NICKEL PHOS BRONZE	92500				640	

ALUMINUM BRONZES

NF 100	95200	B148-952 B271-952	B148-9A	952	95200	.266
LOW IRON NF 200	++ 95300	B148-953 B271-953	B148-9B	953	++ 95300	.270
NF 4-11	++ 95400	B148-954 B271-954	B148-9C	954	++ 95400	.272
NF 4-11 HT	HT 95400	B148-954 HT B271-954 HT	B148-9C HT	954-HT	954-HT	.272
NF 300	++ 95500	B148-955	B148-9D	955	++ 95500	.272
NF 4-13	** 95900			959	++ 95900	.260
NF 500	95800	B148-958 B271-958		958	95800	.276

COPPER

PRODUCT	COPPER ALLOY #C	EDGES	+A.S.T.M.		SAE#	WEIGHT Lbs. per Cu. In.
			PRESENT	PREVIOUS		
RECTANGLE	110	FULL ROUND RADIUS / SQUARE	B187-86	B187-44T	CA110	.323
ROD	110	—	B133-89	B133-40T	CA110	.323
SQUARE & HEXAGON	110	—	B133-89	B133-40T	CA110	.323
SHEET	110	—	B370-88	B370-61	CA110	.323

BRASS

RECTANGLE	360		B36-91A	B36-20T	CA360	.307
ROD	360		B36-91A	B36-20T	CA360	.307
SQUARE & HEXAGON	360		B36-91A	B36-20T	CA360	.307
SHEET	260		B36-91A	B36-20T	CA260	.306

QQ-C-390-8 ALLOYS PRODUCED IN BRONZE

STANDARD ALLOYS

NOMINAL CHEMICAL COMPOSITIONS

MECHANICAL PROPERTIES

Cu %	Sn %	Pb %	Zn %	Ni %	Fe %	Al %	Si %	Mn %	TENSILE PSI x 1000 MIN.	YIELD PSI x 1000 MIN.	ELONGATION PERCENT MIN.	BRINELL HARDNESS 500 kg	COMPRESSION STRN PSI — .001" SET
85	5	5	5						30	14	20	TYPICAL 70	14,000
83	7	7	3						30	14	12	70	
80	10	10							30	12	15	70	12,500
78	7	15		.75 MAX					26	14	12	60	12,000
70	5	25		.75 MAX					21	11	7-16	42-55	11,000
88	6	1.5	4.5						34	16	24	65	12,000
88	8		4						40	18	20	80	13,000
87	8	1	4						36	18	18	75	9,000
88	10	.30 MAX	2						40	18	20	85	13,000
88	10	2	.75 MAX						35	18	10	80	12,000
86.5	11	1		1.5					35	18	10	90	

Cu %	Sn %	Pb %	Zn %	Ni %	Fe %	Al %	Si %	Mn %	TENSILE PSI x 1000 MIN.	YIELD PSI x 1000 MIN.	ELONGATION PERCENT MIN.	TYPICAL 3000 kg 140	COMPRESSION STRN PSI — .001" SET
88					3	9			65	25	20	140	27,000
89					1	10			65	25	20	217	20,000
85					4	11			75	30	12	187	
85					4	11			90	45	6	197	
81				4	4	11			90	40	6	212	
82					4.5	13		OTHER .5	80-105	55-60	1.5	290	
81				5	4	9		1	85	35	15	183	

Cu %	Sn %	Pb %	Zn %	Ni %	Fe %	Al %	Si %	Mn %	TENSILE PSI x 1000 MIN.	YIELD PSI x 1000 MIN.	ELONGATION PERCENT MIN.	ROCKWELL HARDNESS 60 kg	ELECTRICAL RESISTIVITY % IACS (20°C)
99.9									SOFT - 34 HARD - 50	11 45	45 6	F45 B50	101
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99.9									SOFT - 34 HARD - 50	11 45	45 6	F45 B50	101
99.9									SOFT - 34 HARD - 50	11 45	45 6	F45 B50	101

61.1		3.4	35.5						SOFT - 49 HARD - 63	18 45	51 22	F68 B78	26
61.1		3.4	35.5						SOFT - 49 HARD - 63	18 45	51 22	F68 B78	26
61.1		3.4	35.5						SOFT - 49 HARD - 63	18 45	51 22	F68 B78	26
66			34						SOFT - 51 HARD - 74	19 60	55 8	F72 B80	27

BRONZE

BEARING BRONZE SAE 660

- Stocking Up to 9" O.D. Hollow and Solid cores
Up to 105" lengths available

Will Cut to Customer Requirements

- Sourcing up to 27" O.D.

OTHER BRONZES SUPPLIED

- SAE-660 - Squares and Rectangles
- Aluminum Bronze - Cores, Solids, Squares and Rectangles
- **Other Alloys available**

COPPER

■ RECTANGLE ■ ROD ■ SQUARE ■ HEXAGON ■ SHEETS

- Alloy 110 /SAE CA 110
- Edges - Full Round / Radius / Square
- Lengths to 12 feet
- Pipe, Tubing and Shim stock also available

BRAS^S

■ RECTANGLE ■ ROD ■ SQUARE ■ HEXAGON ■ SHEETS

- Alloy 260, 360
- Soft or Hard Tensile strength
- Lengths to 12 feet
- Pipe, Tubing and Shim stock also available



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