

C95410HT

Continuous Cast

Product Description:	Aluminum Bronze
Solids:	½" to 9" O.D.
Tubes:	1⅝" to 9" O.D.
Rectangles:	Up to 15"
Standard Lengths:	24"
Shape/Form:	semi-finished, mill stock or near-net shapes, anode, bar stock, billet/bloom, squares, hex, plate, profile or structural shape, flats/rectangular bar
	*Consult mill for other lengths

Typical Uses

Industrial bearings, bushings, gears, pickling baskets, pickling hooks, spur gears, valve components, worms

Similar or Equivalent Specification

CDA	ASTM	SAE	AMS	Federal	Military	Other
C95410	B505 B505M					

Chemical Composition

Cu%	Fe%	Ni% ¹	Al%	Mn%
83.00 min	3.00- 5.00	1.50- 2.50	10.00- 11.50	0.50

Chemical Composition according to ASTM B505/B505M-18

¹Ni value includes Co.

Note: Cu + Sum of Named Elements, 99.5% min. Unless otherwise noted, single values represent maximums.

Machinability

Copper Alloy UNS No.	Machinability Rating	Density (lb/in ³ at 68 °F)
C95410HT	60	0.269

Note: HT = heat treated.



Mechanical Properties

Tensile Strength, min		Yield Strength, at 0.5% Extension Under Load, min		Elongation, in 2 in. or 50 mm min	Brinell Hardness (3000 kg load)	Remarks
ksi	MPa	ksi	MPa	%	typical BHN	
95	655	45	310	10	177	Heat Treated

Mechanical Properties according to ASTM B505/B505M-18