

Alloy: C95900

Bronze Family: Aluminum Bronze

Solids: 1/2" to 9" OD

Tubes: Consult Mill

Rectangles: Up to 15"

Standard Lengths: 144"

Typical Uses

Industrial Gears, Worm Drives

Similar or Equivalent Specification

CDA	ASTM	ASARCON	SAE	AMS	FEDERAL	INGOT	MILITARY	OTHER
C95900	ASTM B505							

Chemical Composition

Alloy	Cu%	Sn%	Pb%	Zn%	Fe%	Ni%	Sb%	P%	S%	Al%	Mn%	Si%
C95900	Remainder	N/A	N/A	N/A	3.00-5.00	0.50	N/A	N/A	N/A	12.00-13.50	1.50	N/A

Chemical Composition according to ASTM B505-08

Note: Single values represent maximums.

Machinability

Alloy	Machinability Rating	Density (lb/cu in.)
C95900	N/A	0.255

Mechanical Properties

Tensile Strength, min		Yield Strength, at .5% extension under load min		Elongation in 2 in. or 50 mm min, %	Brinell Hardness, min	Remarks
ksi	MPa	ksi	MPa			
N/A	N/A	N/A	N/A	N/A	241 (3000 kg)	

Mechanical Properties according to ASTM B505-08