

Typical Uses

- **Automotive** weld guns
- **Builders Hardware** brackets
- **Electrical** electrical hardware
- **Industrial** struts, machinery, gears, compressors, forming dies for wood pulp industry, wear rings for pressing dies for wood pulp industry, pressing dies for wood pulp, hooks, frames, machinery parts requiring high strength, machinery parts (substituted for steel and malleable iron), lever arms
- **Marine** propellers for salt and fresh water, covers for marine hardware, clamps, boat parts, rudders

Similar or Equivalent Specification

Alloy	ASTM	ASARCON	SAE	AMS	Federal	Military	Other
C86500	B505		J461	AMS	QQ-C-390, C3	MIL-C-22229, COMP 7	
	B505M		J462	4860	QQ-B-726, CLASS A		

Chemical Composition

Alloy	Cu%	Sn%	Pb%	Zn%	Fe%	Ni%	Al%	Mn%
C86500	55.00-			36.00-	0.40-		0.50-	0.10-
	60.00	1.00	0.40	42.00	2.00	1.0	1.50	1.50

Mechanical Properties

Tensile Strength(min)		Yield Strength(at .5% extension under load min)		Elongation(in 2in. or 50mm min, %)	Brinell Hardness(min)	Remarks
		Ksi	MPa			
70	483	25	172	25	N/A	

