



SHREE EXTRUSIONS LIMITED



C95900 ALUMINUM BRONZE

C95900 Aluminum Bronze is characterized by its high strength and excellent corrosion resistance. Uses for the alloy include a variety of heavy duty mechanical and structural products including gears, worm drives, valve guides and seats. C95900 is an excellent heavy duty bearing alloy, but does not tolerate misalignment or dirty lubricants and generally should be used against hardened steel shafts, with both shaft and bearing machined to fine surface finishes.

TYPICAL USES :

Industrial: Gears, worm drives

CHEMICAL COMPOSITION

	Al	Cu	Fe	Mn	Ni
Min/Max	12.0-13.5	Rem.	3.0-5.0	1.5	0.5
Nominals	12.7000	-	4.0000	-	-

PHYSICAL PROPERTIES

Density (lbs/in ³)	.260
Specific Gravity	7.21
Specific Heat (Btu/lb OF)	.09
Coefficient of Thermal Expansion (in/in/OF)	9.0 x 10 ⁻⁶
Electrical Conductivity (% IACS)	10
Electrical Resistivity (Microhms-Meter @ 680F)	172
Thermal Conductivity (Btu/sq. ft./ft./hr./OF @ 680F)	22.5
Magnetic Permeability	1

SIZES AVAILABLE :

ROUND RODS	8mm To 100 mm
HEX	10mm To 60mm
SQUARE	10mm To 60mm
FLAT	0mm Min Thickness and max Width 120mm
BILLETS	Up to 200 mm
INGOTS	As per Specification

Regd. Office & Works:
217/218 Phase-II, Okha Rajkot Road, Dared, Jamnagar - 361 004. INDIA
Tel.: +91 - 288 - 2730118 | Mobile: +91 - 9328105172
mail@shree-extrusion.com | www.shree-extrusion.com



Quality, Technology & Vision at it's Best...