

CDA 938

COPPER ALLOY

HIGH LEADED TIN BRONZE

C93800 High Leaded Tin Bronze is used to produce a wide range of bearings and bushings; the material is also used in many acid resisting applications. C93800 is available from Dura-Bar Metal Services in solids, tubes and rectangles, air strength, corrosion resistant to sea water and brine, resistant to certain concentrations of sulfuric acid and acids in mine waters; fair wear resistance; excellent antifriction qualities, nonseizing; good machining and casting properties; can be used where lubrication is doubtful.

Chemical Properties

Cu	Sn	Zn	Pb
78	6	1	16

Mechanical Properties

Yield strength	Tensile strength	Elongation	Hardness
Min 0.2% Mpa	Min Mpa	Min %	HRB
110	172	5	85-110

Physical Properties

Density	Elastic Modulus	Mean Coefficient of Thermal	Thermal Conductivity	Specific Heat	Electrical Resistivity
(Kg/m ³)	(Gpa)	Expansion(µm/m/°C)	(W/m.K)	0-100°C	(nΩ.m)
9.25	72	18.5	52.3	377	15.15

Equivalent Designation

UNS C93800
SAE J461
SAE 67

CUSTOMER ASSISTANCE : customer@TorqBolt.com