

CDA 655

COPPER ALLOY

SILICON BRONZE

The high silicon bronze UNS C65500 has moderate strength and good corrosion resistance. The conductivity of UNS C65500 is lesser than the conductivity of unalloyed copper. The properties and applications of UNS C65500 copper alloy are similar to that of the C64200. high-silicon bronze A alloy has a copper content of not less than 97%

Chemical Properties

Cu	Fe	Mn	Ni	Si	Pb	Zn
97	0.8 max	1.5 max	0.6 max	2.8-3.8	0.6 max	1.5 max

Mechanical Properties

Yield strength	Tensile strength	Elongation
Min 0.2% PSI	Min PSI	Min %
415	745	13

Physical Properties

Density	Elastic Modulus	Mean Coefficient of Thermal	Thermal Conductivity	Melting Point
(Kg/m ³)	(Gpa)	Expansion(μm/m/°C)	(W/m.K)	(nΩ.m)
8.94	117	18	36	970-1025

Heat Treatment

The annealing temperature of B16/360 Brass is 800°-110°OF

Equivalent Designation

UNS C65500

CUSTOMER ASSISTANCE : customer@TorqBolt.com