

# Material: ASTM B98 C65500

## Standard Specification for Copper-Silicon Alloy Rod, Bar and Shapes

**Group:** Non-Ferrous Copper Alloy

**Sub Group:** ASTM B98 Copper-Silicon Alloy Rod, Bar and Shapes

**Application:** Intended for Valve, Pump, General Engineering, Automotive and Other Industries Grade

**Belongs to the Industry:** Rod, Bar and Shape

Chemical Composition		
Iron	Fe %	0.800 max.
Manganese	Mn %	0.500 - 1.300
Ni + Co	Ni% + Co%	0.600 max.
Lead	Pb %	0.050 max.
Silicon	Si %	2.800 - 3.800
Zinc	Zn %	1.500 max.
Cu + Ag	Cu% + Ag%	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Normalizing or Annealing or Tempering

Mechanical Properties	
Tensile Strength in Mpa	360 - 690
Yield Strength in Mpa	105 - 380
Elongation in %	7 - 35
Reduction of Area in %	-
Hardness in HRB	60 - 100
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B124 C65500	ASTM	USA	Rod, Bar and Shapes
C65500	AS	Australia	Ingots and Casting
B100 C65500	ASTM	USA	Plate and Sheet
B283 C65500	ASTM	USA	Forging
B96 C65500	ASTM	USA	Plate, Sheet, Strip and Bar
SB-98 C65500	ASME	USA	Rod, Bar and Shape
SB-283 C65500	ASME	USA	Forging

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