

Material: ASTM B111 C61400

Standard Specification for Copper and Copper-Alloy Seamless Condenser Tubes and

Group: Non-Ferrous Copper Alloy

Sub Group: ASTM B111 Copper and Copper-Alloy Seamless Condenser Tubes and Ferrule Stock

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

Grade Belongs to the Industry: Tubes

Chemical Composition		
Aluminium	Al %	6.000 - 8.000
Iron	Fe %	1.500 - 3.500
Manganese	Mn %	1.000 max.
Phosphorus	P %	0.015 max.
Lead	Pb %	0.010 max.
Zinc	Zn %	0.200 max.
Cu + Ag	Cu% + Ag%	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As Drawn or Stress Relieving

Mechanical Properties	
Tensile Strength in Mpa	480 min.
Yield Strength in Mpa	205 min.
Elongation in %	-
Reduction of Area in %	-
Hardness in BHN	-
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
C61400	UNS	USA	Rod, Bar, Tube and Shapes
B100 C61400	ASTM	USA	Plate and Sheet
B169 C61400	ASTM	USA	Sheet, Strip and Bar
B171 C61400	ASTM	USA	Plate and Sheet
B315 C61400	ASTM	USA	Pipe and Tube
CA614	SAE	USA	Casting
SB-150 C61400	ASME	USA	Rod, Bar and Shapes

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