

# Material: KS D2320 CACIn803

## Standard Specification for Copper Alloys Ingot and Casting

**Group:** Non-Ferrous Copper Alloy

**Sub Group:** KS D2320 Copper Alloys Ingot and Casting

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

**Belongs to the Industry:** Ingot and Casting

Chemical Composition		
Aluminium	Al %	0.300 max.
Iron	Fe %	0.300 max.
Manganese	Mn %	0.200 max.
Lead	Pb %	0.200 max.
Silicon	Si %	3.200 - 4.200
Zinc	Zn %	13.000 - 15.000
Copper	Cu %	80.000 - 84.000
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast

Mechanical Properties	
Tensile Strength in Mpa	345 min.
Yield Strength in Mpa	145 min.
Elongation in %	18 min.
Reduction of Area in %	-
Hardness in BHN	-
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
C87400	UNS	USA	Rod, Bar, Tube and Shapes
B271 C87400	ASTM	USA	Casting
B30 C87400	ASTM	USA	Ingot and Casting
B584 C87400	ASTM	USA	Casting
SB-584 C87400	ASME	USA	Casting
C87400	SAE	USA	Casting
CA874	SAE	USA	Casting

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