



## Material - KS CACIn203

### Standard Specification for Copper Alloy Ingot for Casting

Group - Non-Ferrous Copper Alloy

Sub Group - KS CACIn203 Copper Alloy Ingot for Casting

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

Grade Belongs to the Industry - Casting

Chemical Composition			Heat Treatment	
Aluminium	Al %	0.500 max.	As-Cast	
Iron	Fe %	0.600 max.		
Nickel	Ni %	1.000 max.		
Lead	Pb %	0.500 - 3.000		
Tin	Sn %	1.000 max.		
Copper	Cu %	58.000 - 64.000		
Zinc	Zn %	Balance		
-	-	-		
-	-	-	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	280 min.
-	-	-	Yield Strength in Mpa	120 min.
-	-	-	Elongation in %	10 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HB	70 min.
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
C85700	UNS	USA	Rod, Bar, Tube and Shapes
B176 C85700	ASTM	USA	Casting
B271 C85700	ASTM	USA	Casting
B30 C85700	ASTM	USA	Ingot and Casting
B505 C85700	ASTM	USA	Casting
B584 C85700	ASTM	USA	Casting
SB-584 C85700	ASME	USA	Casting

**Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email [marketing@gravitycastindia.com](mailto:marketing@gravitycastindia.com)**

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