



## Material - AFNOR NF EN 1982 CB763S

**Standard Specification for Copper and Copper Alloys - Ingots and Castings**

**Group - Non-Ferrous Copper Alloy**

**Sub Group - AFNOR NF EN 1982 Copper and Copper Alloys - Ingots and Castings**

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

**Grade Belongs to the Industry - Ingot and Casting**

Chemical Composition			Heat Treatment	
Aluminium	Al %	1.000 - 2.500	As-Cast	
Iron	Fe %	0.500 - 2.000		
Manganese	Mn %	1.000 - 3.500		
Nickel	Ni %	2.500 max.		
Lead	Pb %	1.500 max.		
Antimony	Sb %	0.080 max.		
Silicon	Si %	1.000 max.		
Tin	Sn %	1.000 max.		
Cu + Ni	Cu%+Ni%	59.000 - 67.000		
Zinc	Zn %	Balance	<b>Mechanical Properties</b>	
-	-	-	Tensile Strength in Mpa	430 - 450
-	-	-	Yield Strength in Mpa	150 - 340
-	-	-	Elongation in %	3 - 10
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HB	100 - 110
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
CC763S	BS	British	Ingot and Casting
CB763S	CSN	Czech Republic	Ingot and Casting
CB763S	BDS	Bulgaria	Ingot and Casting
CuZn32Al2Mn2Fe1-B	DIN	Germany	Ingot and Casting
CuZn32Al2Mn2Fe1-B	ONORM	Australia	Ingot and Casting
CuZn32Al2Mn2Fe1-B	MSZ	Hungary	Ingot and Casting
CuZn32Al2Mn2Fe1-B	UNI	Italy	Ingot and 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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