

# Material: BDS EN 1982 CB763S

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

**Group:** Non-Ferrous Copper Alloy

**Sub Group:** BDS 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		
Aluminium	Al %	1.000 - 2.500
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
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast

Mechanical Properties	
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	AFNOR NF	France	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

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Customer Care: +91-99090 45075 Email: [info@icastllp.com](mailto:info@icastllp.com)



+91-99090 45075



[info@icastllp.com](mailto:info@icastllp.com)



ICAST ALLOYS LLP, Plot 2527, Road H1, Kranti Gate, GIDC Metoda, Lodhika, Rajkot-360021, Gujarat, India