



## Material - BDS EN 1982 CB765S

### 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			Heat Treatment	
Aluminium	Al %	0.700 - 2.200	As-Cast	
Iron	Fe %	0.500 - 1.800		
Manganese	Mn %	0.500 - 2.500		
Nickel	Ni %	6.000 max.		
Phosphorus	P %	0.020 max.		
Lead	Pb %	0.500 max.		
Antimony	Sb %	0.080 max.		
Silicon	Si %	0.100 max.		
Tin	Sn %	0.800 max.	Mechanical Properties	
Cu + Ni	Cu%+Ni%	56.000 - 64.000	Tensile Strength in Mpa	450 - 500
Zinc	Zn %	Balance	Yield Strength in Mpa	170 - 200
-	-	-	Elongation in %	18 - 20
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HB	110 - 120
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
CC765S	BS	British	Ingot and Casting
CB765S	DIN	Germany	Ingot and Casting
CB765S	CSN	Czech Republic	Ingot and Casting
CuZn35Mn2Al1Fe1-B	AFNOR NF	France	Ingot and Casting
CuZn35Mn2Al1Fe1-B	ONORM	Australia	Ingot and Casting
CuZn35Mn2Al1Fe1-B	UNE	Spain	Ingot and Casting
CuZn35Mn2Al1Fe1-B	MSZ	Hungary	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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