



## Material - BDS EN 1982 CC765S

**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 %	0.500 - 2.500	As-Cast	
Iron	Fe %	0.500 - 2.000		
Manganese	Mn %	0.500 - 3.000		
Nickel	Ni %	6.000 max.		
Phosphorus	P %	0.030 max.		
Lead	Pb %	0.500 max.		
Antimony	Sb %	0.080 max.		
Silicon	Si %	0.010 max.		
Tin	Sn %	1.000 max.	Mechanical Properties	
Cu + Ni	Cu%+Ni%	57.000 - 65.000	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
CB765S	BS	British	Ingot and Casting
CC765S	AFNOR NF	France	Ingot and Casting
CC765S	CSN	Czech Republic	Ingot and Casting
CC765S	DIN	Germany	Ingot and Casting
CuZn35Mn2Al1Fe1-C	UNI	Italy	Ingot and Casting
CuZn35Mn2Al1Fe1-C	UNE	Spain	Ingot and Casting
CuZn35Mn2Al1Fe1-C	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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