



## Material - BS EN 1982 CuZn35Mn2Al1Fe1-C (CC765S)

Standard Specification for Copper and Copper Alloys - Ingot and Casting

Group - Non-Ferrous Copper Alloy

Sub Group - BS EN 1982 Standard Specification for Copper and Copper Alloys - Ingot and Casting

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

Grade Belongs to the Industry - Ingot and Casting

Chemical Composition			Heat Treatment	
Antimony	Sb %	0.008 max.	As-Cast	
Phosphorus	P %	0.030 max.		
Silicon	Si %	0.100 max.		
Lead	Pb %	0.500 max.		
Tin	Sn %	1.000 max.		
Nickel	Ni %	6.000 max.		
Manganese	Mn %	0.500 - 3.000		
Iron	Fe %	0.500 - 2.000		
Aluminium	Al %	0.500 - 2.500		
Cu + Ni	Cu%+Ni%	57.000 - 65.000		
Zinc	Zn %	Balance	<b>Mechanical Properties</b> Tensile Strength in Mpa   450 min. Yield Strength in Mpa   170 min. Elongation in %   20 min. Reduction of Area in %   - Hardness in HBW   110 min. Impact in Joule   -	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
CB765S	DIN	Germany	Ingot and Casting
CB765S	BDS	Bulgaria	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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