



Material - CSN EN 1982 CB765S

Standard Specification for Copper and Copper Alloys - Ingots and Castings

Group - Non-Ferrous Copper Alloy

Sub Group - CSN 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	BDS	Bulgaria	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

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