



## Material - UNI EN 1982 CuZn34Mn3Al2Fe1-C

Standard Specification for Copper and Copper Alloys - Ingots and Castings

Group - Non-Ferrous Copper Alloy

Sub Group - UNI 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 %	1.500 - 3.000	As-Cast	
Iron	Fe %	0.500 - 2.500		
Manganese	Mn %	1.000 - 4.000		
Nickel	Ni %	3.000 max.		
Phosphorus	P %	0.030 max.		
Lead	Pb %	0.300 max.		
Antimony	Sb %	0.050 max.		
Silicon	Si %	0.100 max.		
Tin	Sn %	0.300 max.	Mechanical Properties	
Cu + Ni	Cu%+Ni%	55.000 - 66.000	Tensile Strength in Mpa	600 - 620
Zinc	Zn %	Balance	Yield Strength in Mpa	250 - 260
-	-	-	Elongation in %	10 - 15
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HB	140 - 150
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
CB764S	BS	British	Ingot and Casting
CC764S	CSN	Czech Republic	Ingot and Casting
CC764S	SFS	Finland	Ingot and Casting
CC764S	AFNOR NF	France	Ingot and Casting
CC764S	DIN	Germany	Ingot and Casting
CuZn34Mn3Al2Fe1-C	UNE	Spain	Ingot and Casting
CuZn34Mn3Al2Fe1-C	ONORM	Australia	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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