Material: BS EN 1982 CuZn34Mn3Al2Fe1-C (CC764S)

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		
Antimony	Sb %	0.005 max.
Tin	Sn %	0.300 max.
Silicon	Si %	0.100 max.
Lead	Pb %	0.300 max.
Phosphorus	P %	0.030 max.
Nickel	Ni %	3.000 max.
Manganese	Mn %	1.000 - 4.000
Iron	Fe %	0.500 - 2.500
Aluminium	Al %	1.000 - 3.000
Copper	Cu %	55.000 - 66.000
Zinc	Zn %	Balance
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast

Mechanical Properties	
Tensile Strength in Mpa	600 min.
Yield Strength in Mpa	250 min.
Elongation in %	15 min.
Reduction of Area in %	-
Hardness in HBW	140 min.
Impact in Joule	-

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
CB764S	AFNOR NF	France	Ingot and Casting
CB764S	BDS	Bulgaria	Ingot and Casting
CB764S	CSN	Czech Republic	Ingot and Casting
CB764S	DIN	Germany	Ingot and Casting
CuZn34Mn3Al2Fe1-B	UNI	Italy	Ingot and Casting
CuZn34Mn3Al2Fe1-B	UNE	Spain	Ingot and Casting
CuZn34Mn3Al2Fe1-B	MSZ	Hungary	Ingot and Casting

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