

Material: DIN EN 1982 CC764S

Standard Specification for Copper and Copper Alloys - Ingots and Castings

Group: Non-Ferrous Copper Alloy

Sub Group: DIN 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		
Aluminium	Al %	1.500 - 3.000
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.
Cu + Ni	Cu%+Ni%	55.000 - 66.000
Zinc	Zn %	Balance
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast

Mechanical Properties	
Tensile Strength in Mpa	600 - 620
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
CuZn34Mn3Al2Fe1-C	UNI	Italy	Ingot and Casting
CuZn34Mn3Al2Fe1-C	UNE	Spain	Ingot and Casting
CuZn34Mn3Al2Fe1-C	ONORM	Australia	Ingot and Casting

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