

## Material: CSN EN 1982 CC764S

### 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 %	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.		
Cu + Ni	Cu%+Ni%	55.000 - 66.000		
Zinc	Zn %	Balance	<b>Mechanical Properties</b> 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	SFS	Finland	Ingot and Casting
CC764S	AFNOR NF	France	Ingot and Casting
CC764S	DIN	Germany	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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