

	WISCO ALLOY SPECIFICATION www.wisco.es	W-342
	CuZn34Mn3Al2Fe1 (CC764S) EN 1982	

1. Requirements

Chemical Composition (%)											
	Al	Cu ^a	Fe	Mn	Ni	Zn	P	Pb	Sb	Si	Sn
Min.	1,0	55,0	0,5	1,0	-	-	-	-	-	-	-
Max.	3,0	66,0	2,5	4,0	3,0	Remainder	0,03	0,3	0,05	0,1	0,3

^a Including nickel

Mechanical properties (Minimum values)				
Casting process and designation	Tensile strength R _m (MPa)	0,2% proof strength R _{p0,2} (MPa)	Elongation 5D A (%)	HBW (10-1000)
Continuous(GC)	620	260	14	150
Centrifugal (GZ)	620	260	14	150

2. Closest International standards

Standard	Alloy	Status	
Europe BS 1400 DIN 1709 NFA 53703 UNE 37103-2	HTB1 CuZn34Al2 CuZn23Al4 C-2620 (CuZn26Al4Fe3Mn3)	Withdrawn	
USA ASTM B505 ASTM B271	C86200 (SAE 430A)	Active	
Australia	AS 1565	C86500	Active
Japan JIS H5121 JIS H5120	CAC302C CAC302	Active	
ISO	1338	CuZn26Al4Fe3Mn3	Withdrawn

3. Optional Heat Treatments at customers request

- Stress relieve

4. Technical Characteristics

- Difficult machining properties.
- Good wear resistant material.
- This alloy is recommended for high loads, low speeds, good lubrication and hard contact surfaces.
- Material resistant to spring and sea water.
- Material resistant to atmospheric corrosion; up to 300 °C.
- Low welding properties.