

	WISCO ALLOY SPECIFICATION www.wisco.es	W-255
	CuZn25Al5Mn4Fe3-C (CC762S) EN 1982	

1. Requirements

Chemical Composition (%)											
	Al	Cu ^a	Fe	Mn	Ni	Zn	P	Pb	Sb	Si	Sn
Min.	3,0	60,0	1,5	2,5	-	-	-	-	-	-	-
Max.	7,0	67,0	4,0	5,0	3,0	Remainder	0,03	0,2	0,03	0,1	0,2

^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) ¹	750	480	5	190
Centrifugal (GZ)	750	480	5	190

¹ The mechanical property requirements given apply to sizes up to and including 300 mm external diameter. For larger continuous castings, the mechanical property requirements should be agreed between the supplier and the purchaser (8.2.2 Note 6 EN 1982).

2. Closest International standards

Standard	Alloy	Status
Europe BS 1400 DIN 1709 NFA 53703 UNE 37103-2	HTB3 CuZn25Al5 CuZn19Al6 C-2625 (CuZn25Al6Fe3Mn3)	Withdrawn
USA ASTM B505 ASTM B271	C86300 (SAE 430B)	Active
Australia AS 1565	C86300	Active
Japan JIS H5121 JIS H5120	CAC304C CAC304	Active
ISO 1338	CuZn25Al6Fe3Mn3	Withdrawn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.