



Microstructure

# Alloy

CuZn25Al5Mn4Fe3



## Characteristics & Typical Applications

Very high strength values. Bearings at high load and low sliding speed. Highly stressed, slow-moving worm wheel rims, internal parts of high-pressure fittings. Bearings for buckets of a dredge, inner parts of high pressure fittings. Less suitable for dynamic loads and vibrations.

## Chemical Composition

Elements	Cu	Zn	Al	Mn	Fe	Ni	Pb	Sn	Si	Sb	P
EN 1982	60-67	remained	3,0-7,0	2,5-5,0	1,5-4,0	3 max	0,2 max	0,2 max	0,1 max	0,03 max	0,03 max
Average Nominal	64	24	5	4	2	0,68	0,1	0,1	0,1	0,01	0,01

## Typical Mechanical Properties

		Centrifugal Cast
Tensile Strength Rm	MPa(min)	750
%0,2 Yield Stress	MPa(min)	480
Elongation	%(min)	5
Hardness	HB(min)	190

## Physical Properties

Density	Specific Heat Capacity	Electrical Conductivity	Thermal Conductivity
7,8 g/cm <sup>3</sup>	0,376 J/kg-K	7-8 MS/m	45 - 55 W/m-K

## Related Specifications

EN 1982	ASTM B271
CC762S	C86300