



Microstructure

# Alloy

## CuZn35Mn2Al1Fe1



### Characteristics & Typical Applications

Medium strength properties, medium machinability, moderate sliding properties. Pressure nuts, ground bushings and stuffing boxes, propellers, valve and control components. Screw-down nuts for rolling mills and screw presses, neck bushes, calibrated gauges.

### Chemical Composition

Elements	Cu	Zn	Al	Mn	Fe	Ni	Pb	Sn	Si	Sb	P
EN 1982	57-65	remained	0,5-2,5	0,5-3	0,5-2,0	6 max	0,5 max	1 max	0,1 max	0,08 max	0,03 max

### Typical Mechanical Properties

		Centrifugal Cast
Tensile Strength Rm	MPa(min)	500
%0,2 Yield Stress	MPa(min)	200
Elongation	%(min)	18
Hardness	HB(min)	120

### Physical Properties

Density	Specific Heat Capacity	Electrical Conductivity	Thermal Conductivity
8,0 g/cm <sup>3</sup>	400 J/kg-K	30% IACS	91 W/m-K

### Related Specifications

EN 1982	BS 1400
CC765S	HTB1