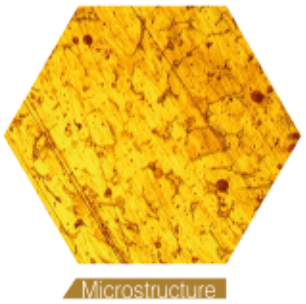

Microstructure

Alloy
CuZn34Mn3Al2Fe1

iz-metal

Characteristics & Typical Applications

High strength values, medium machinability. Parts subject to static loads, valve and control components. Not recommended for dynamic loads. Despite moderate sliding properties for slide bearings with high surface pressures and demands on running properties and wear resistance. Valve parts and control parts, cages for roller bearings.

Chemical Composition

Elements	Cu	Zn	Al	Mn	Fe	Ni	Pb	Sn	Si	Sb	P
EN 1982	55-66	remained	1-3	1-4	0,5-2,5	3 max	0,3 max	0,3 max	0,1 max	0,05 max	0,03 max
Average Nominal	57	34	2	3	1	2	0,3	0,3	0,1	0,05	0,05

Typical Mechanical Properties

		Centrifugal Cast
Tensile Strength Rm	MPa(min)	620
%0,2 Yield Stress	MPa(min)	260
Elongation	%(min)	14
Hardness	HB(min)	150

Physical Properties

Density	Specific Heat Capacity	Electrical Conductivity	Thermal Conductivity
7,8 g/dm^3	0,373 J/g-K	7-8 MS/m	55 - 59 W/m-K

Related Specifications

EN 1982
CC764S

Brass Alloys