MBZ-B09

BRONZE BEARINGS MADE OF CUSN8 WITH LUBRICATION INDENTS

APPLICATIONS

Industrial – Mechanical handling and lifting equipment, hydraulic cylinders, pneumatic equipment, medical equipment, textile machinery, agricultural equipment, etc.

CHARACTERISTICS

- Bearing material made of solid bronze strip with indents for lubrication
- Good wear resistance, suitable for rough conditions
- Optimum performance under relatively high loads and low speeds

AVAILABILITY

Bearing forms available in standard dimensions: Cylindrical bushes

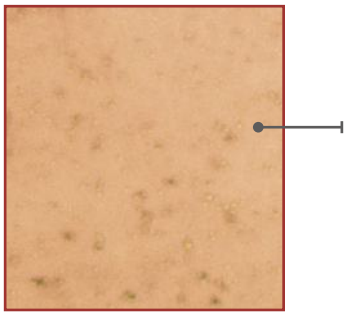
Bearing forms made to order: Cylindrical bushes with non-standard dimensions, flanged bushes, sliding plates, customized bearing designs

BEARING PROPERTIES		UNITS	VALUE
GENERAL			
Maximum load, p	Static	N/mm^2	120
	Dynamic	N/mm^2	40
Operating temperature	Min	°C	- 40
	Max greased	°C	150
	Max oil lubricated	°C	250
GREASE LUBRICATED			
Maximum sliding speed, U		m/s	2.5
Maximum pU factor		N/mm^2 x m/s	2.8
Coefficient of friction, f			0.06 - 0.15
RECOMMENDATIONS			
Shaft surface roughness, Ra		µm	≤ 0.8
Shaft surface hardness	Normal	HB	> 200
	For longer service life	HB	> 350

MBZ-B09, LD, LDD are products of Wieland Werke AG, Germany

OPERATING PERFORMANCE	
Dry	Poor
Oil lubricated	Good
Grease lubricated	Good
Water lubricated	Poor
Process fluid lubricated	Poor

MICROSECTION



CuSn8 with composition
Sn 8 %
P < 0.05 %
Cu Rest