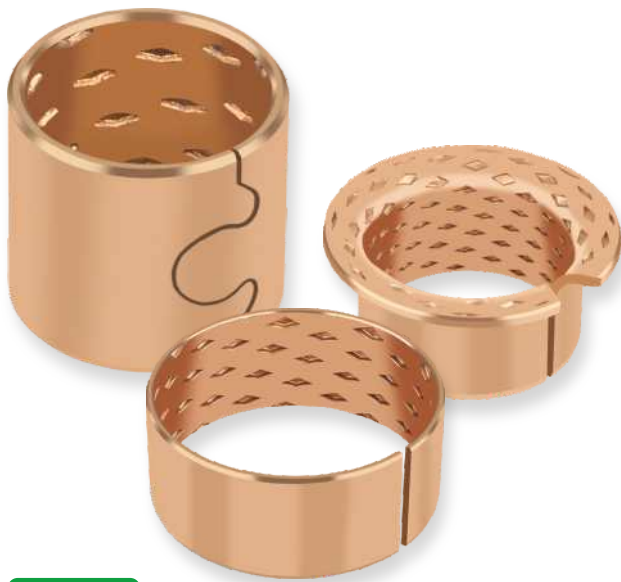


MBZ-B09

**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		IMPERIAL UNITS	IMPERIAL VALUE	METRIC UNITS	METRIC VALUE
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GENERAL

Maximum load, p	Static	psi	17 000	N/mm ²	120
	Dynamic	psi	6 000	N/mm ²	40
Operating temperature	Min	°F	- 40	°C	- 40
	Max greased	°F	300	°C	150
	Max oil lubricated	°F	480	°C	250

GREASE LUBRICATED

Maximum sliding speed, U	fpm	500	m/s	2.5
Maximum pU factor	psi x fpm	80 000	N/mm ² x m/s	2.8
Coefficient of friction, f		0.06 - 0.15		0.06 - 0.15

RECOMMENDATIONS

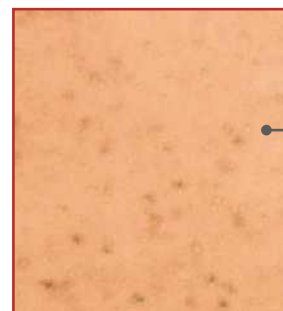
Shaft surface roughness, Ra		µin	≤ 32	µm	≤ 0.8
Shaft surface hardness	Normal	HB	> 200	HB	> 200
	For longer service life	HB	> 350	HB	> 350

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