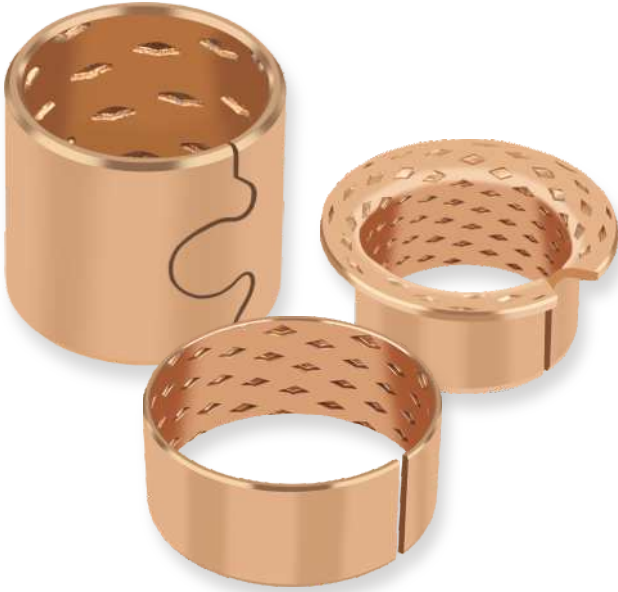


# MBZ-B09

**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
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**GENERAL**

Maximum load, p	Static	N/mm <sup>2</sup>	120
	Dynamic	N/mm <sup>2</sup>	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 <sup>2</sup> 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

For additional product offerings visit:

<https://www.ggbearings.com/en/our-products/metal-and-bimetal-bearings/mbz-b09>

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