

LDD®

**BRONZE PLAIN BEARINGS
WITH GREASE RESERVOIRS**



APPLICATIONS

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

CHARACTERISTICS

- Wear resistant, perforated bronze bearing material with integrated seals for lubricated applications
- Integrated lip seals reduce installation space, protect the bearing from contamination and prolong service life after greasing
- Suitable for use with all standard greases
- Optimum performance under relatively high loads and low speeds

AVAILABILITY

Bearing forms made to order: Cylindrical bushes with non-standard dimensions, 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	°C	150
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	Not recommended
Oil lubricated	Fair
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/ldd>

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