

## LDD<sup>®</sup>

### 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
<b>GENERAL</b>			
Maximum load, p	Static	N/mm <sup>2</sup>	120
	Dynamic	N/mm <sup>2</sup>	40
Operating temperature	Min	°C	- 40
	Max	°C	150
<b>GREASE LUBRICATED</b>			
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
<b>RECOMMENDATIONS</b>			
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