MBZ-B09™ Bearing Material

GGB BEARING TECHNOLOGY

an EnPro Industries company

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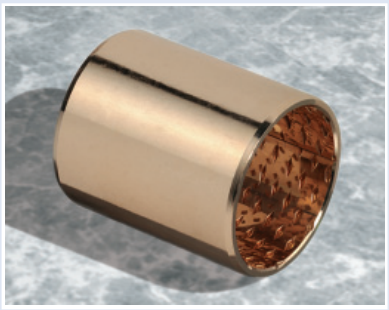

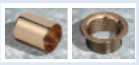

Characteristics

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

Applications

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

Composition & Structure

Monometallic material
CuSn8 with lubrication indents

Operating Conditions

dry	poor
oiled	good
greased	good
water	poor
process fluid	poor

Availability

Ex Stock
- Cylindrical wrapped bushes

To order
- Flanged bushes, thrust washers, strip and non-standard parts

Microsection

CuSn8:
8% Sn,
0.05% P,
Rest Cu

Bearing Properties

Bearing Properties	Unit	Value
Dry		
Maximum sliding speed v	m/s	
Maximum pv factor	MPa x m/s	
Coefficient of friction f	–	
Grease lubrication		
Maximum sliding speed v	m/s	2.5
Maximum pv factor	MPa x m/s	2.8
Coefficient of friction f	–	0.06-0.15
General		
Maximum temperature T_{max} grease / oil lubricated	°C	+150 / +250
Minimum temperature T_{min}	°C	-40
Maximum load p static	MPa	120
Maximum load p dynamic	MPa	40
Shaft surface finish R_a	µm	≤0.8
Shaft hardness - normal	HB	>200
Shaft hardness - for longer service life	HB	>350