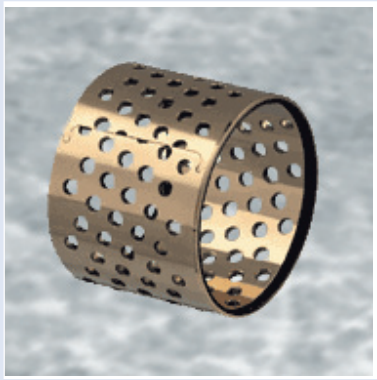
LDD™ Bearing Material

GGB BEARING TECHNOLOGY

an EnPro Industries company

LDD™ Bearing Material



Characteristics

- Wear resistant, perforated bronze bearing material with integrated seals for lubricated applications
- Perforations act as reservoir for either grease or solid lubricant paste
- Integrated seal lips to prevent ingress of foreign particles
- The service life with initial lubrication is prolonged extremely
- Optimum lubrication; first the bearing is lubricated, then the lubricant discharges from the sealing, the grease remains in the bearing
- No additional installation space necessary
- Suitable for use with all standard greases
- 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 grease reservoirs + seal lips for optimum long term lubrication

Operating Conditions

dry	not suitable
oiled	fair
greased	good
water	poor
process fluid	poor

Availability

Ex Stock
- N/A

To order
- Cylindrical bushes and non-standard parts

Microsection

CuSn 8:
8 % Sn
<0.05% P
Rest Cu

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}	°C	+150
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