LDD™

Characteristics

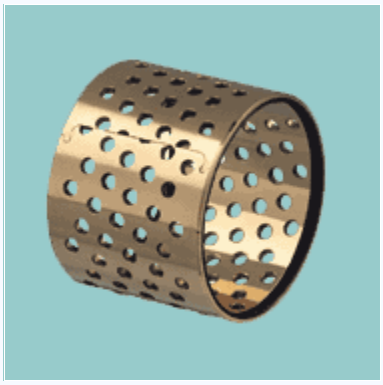
- Thin-wall, perforated bronze bearing material with integrated seals for lubricated applications
- Perforations act as reservoir for either grease or solid lubricant paste
- Integrated seal lips to prevent ingress of foreign particles
- Optimum performance under relatively high loads and low speeds

Applications

Industrial

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

LDD™



Composition & Structure

CuSn8

Operating Conditions

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

Availability

Ex Stock

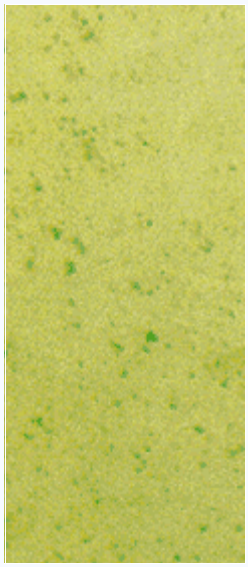
- Cylindrical bushes

To order

- Special dimensions

Bearing Properties	Unit	Value
Dry		
Maximum sliding speed U	m/s	-
Maximum PU factor	N/mm² * m/s = W/mm²	-
Coefficient of friction f	–	-
Grease lubrication		
Maximum sliding speed U	m/s	2.5
Maximum PU factor	N/mm² * m/s = W/mm²	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	N/mm²	120
Maximum load P dynamic	N/mm²	40
Shaft surface finish Ra	µm	0.8
Shaft hardness	HB	>200
Shaft hardness for longer service life	HB	>350

Microsection



CuSn8: 8% Sn, 0,2% P, Rest Cu