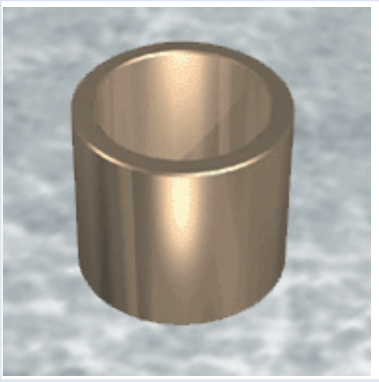
Machined Bronze Bearing Material

GGB BEARING TECHNOLOGY

an EnPro Industries company

Machined Bronze Bearing Material
according to ISO 4379



Characteristics

- Conventional bearing material for lubricated applications in general engineering applications
- Suitable for oil or grease lubrication

Applications

Industrial
Mechanical handling and lifting equipment, general and special engineering, agricultural equipment, textile machinery, automotive engineering, etc.

Composition & Structure

Bushes made of copper alloys

Operating Conditions

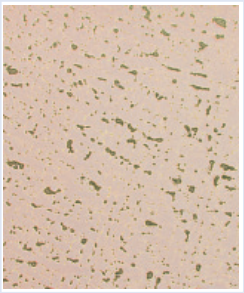
dry	not suitable
oiled	good
greased	good
water	not suitable
process fluid	not suitable

Availability

Ex Stock
- N/A

To order
- Cylindrical bushes, flanged bushes, special parts according to DIN ISO or customer design, special alloys available

Microsection



CuSn12

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	–	0.09-0.15
General		
Maximum temperature T_{max}	°C	+140
Minimum temperature T_{min}	°C	-40
Maximum load p static	MPa	200
Maximum load p dynamic	MPa	100
Shaft surface finish R_a	µm	0.2-0.8
Shaft hardness - normal	HB	>350