

GGB-BP25

METAFRAM OIL IMPREGNATED SINTERED BRONZE BEARINGS



APPLICATIONS

Industrial – FHP motor bearings, domestic appliances and hand tools

CHARACTERISTICS

- Similar to SINT A 50, impregnation group 1
- Maintenance-free bearing for general engineering applications
- Optimum performance under relatively light loads and high speeds
- Produced by powder metallurgy process and therefore suitable for complex shapes

AVAILABILITY

Bearing forms available in standard dimensions: Plain cylindrical bushes, plain flanged bushes

Bearing forms made to order: Cylindrical bushes and flanged bushes with non-standard dimensions, spherical bearings, tubes and rod blanks, customized bearing designs



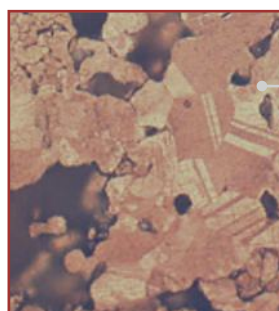
BEARING PROPERTIES		UNITS	VALUE
GENERAL			
Maximum load, p	Static	N/mm ²	20
	Dynamic	N/mm ²	10
Operating temperature	Min	°C	-180 / 0 *
	Max	°C	90 / 300 *
Minimum density		g/cm ³	6.2
Minimum apparent porosity		%	23
OIL IMPREGNATED			
Maximum sliding speed, U		m/s	0.1 - 6.0 *
Maximum pU factor		N/mm ² x m/s	0.1 - 1.8 *
Coefficient of friction, f			0.05 - 0.25 *
RECOMMENDATIONS			
Shaft surface roughness, Ra		µm	≤ 0.3 - ≤ 0.6 *
Shaft surface hardness		HB	> 240 - > 355 *

* Bearing properties depending on oil or solid lubricants. This information is available by downloading the GGB-BP25 datasheet or brochure.

OPERATING PERFORMANCE

Dry	Good (PTFE/MoS ₂)
Oil lubricated	Good
Grease lubricated	Fair
Water lubricated	Not recommended
Process fluid lubricated	Not recommended

MICROSECTION



Sn 8 - 10,5 %
 Other < 2 %
 Cu Rest
 Impregnation group 1
 (up to 80°C)