



GGB-S016

METAFRAM OIL IMPREGNATED SINTERED IRON BEARINGS



APPLICATIONS

Industrial – FHP motor bearings, domestic appliances and hand tools, heavy duty applications: construction equipment, railway equipment, military equipment

CHARACTERISTICS

- Maintenance-free bearing for general engineering applications
- Superior performance compared to GGB-FP20 METAFRAM under high loads and low speeds
- Produced by powder metallurgy process and therefore suitable for complex shapes

AVAILABILITY

Blanks are made to order



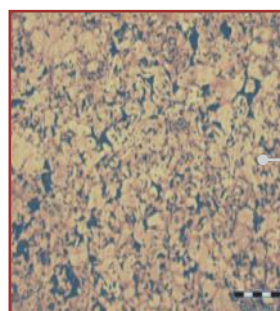
BEARING PROPERTIES		UNITS	VALUE
GENERAL			
Maximum load, p	Static	N/mm ²	120
	Dynamic	N/mm ²	60
Operating temperature	Min	°C	0
	Max	°C	105
Minimum density		g/cm ³	6
Minimum apparent porosity		%	16
OIL IMPREGNATED			
Maximum sliding speed, U		m/s	0.3
Maximum pU factor		N/mm ² x m/s	0.9
Coefficient of friction, f			0.05 - 0.15 *
RECOMMENDATIONS			
Surface roughness, Ra		µm	≤ 0.2 *
Surface hardness		HB	> 355

* Bearing properties depending on oil and solid lubricants. This information is available by downloading the GGB-SO16 datasheet or brochure.

OPERATING PERFORMANCE

Dry	Not applicable
Oil lubricated	Good (oil impregnated)
Grease lubricated	Not recommended
Water lubricated	Not recommended
Process fluid lubricated	Not recommended

MICROSECTION



20% Cu
0.3–0.6% C
<2% Other
Rest Fe