

# 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**

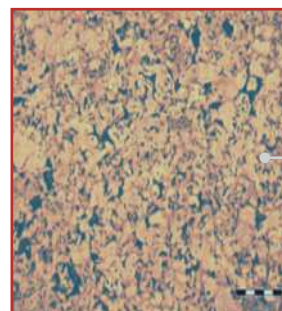


BEARING PROPERTIES		UNITS	VALUE
<b>GENERAL</b>			
Maximum load, p	Static	N/mm <sup>2</sup>	120
	Dynamic	N/mm <sup>2</sup>	60
Operating temperature	Min	°C	0
	Max	°C	105
Minimum density		g/cm <sup>3</sup>	6
Minimum apparent porosity		%	16
<b>OIL IMPREGNATED</b>			
Maximum sliding speed, U		m/s	0.3
Maximum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