
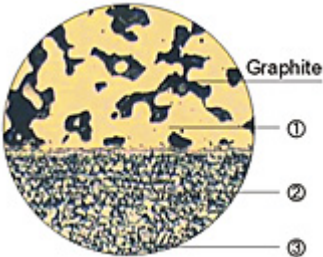
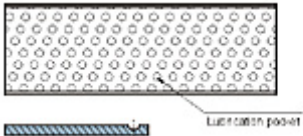
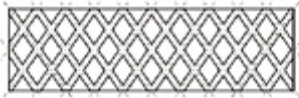
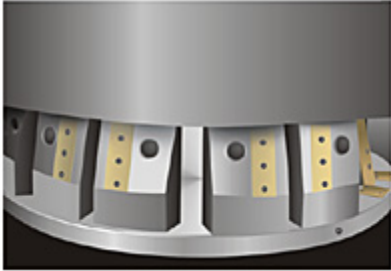


GGT850BM	Features	Final machine after assembly
	<p>GGT850BM metal backed bronze with graphite lined bearing materials, sintered layers are of special copper alloy containing uniformly dispersed solid lubricants. The solid lubricant will be released at the bearing surface as wear occurs. To aid the running-in process, a thin film of solid lubricant can be applied to the bearing surface. This will ensure a consistently low coefficient of friction with total freedom from stick-slip, even from initial assembly. The inner side can be machined after the parts fixed to get high tolerance.</p>	<p>GGT850BM bearings with running-in film are pre-finished and should not be machined. In the event of damage during assembly, the spray material can be available for on-site repair. The standard GGT850BM bearings can be manufactured, this material supplied without a running-in film, can be applied after final machining. The machined layer can not exceed the sintered layer.</p>
Structure	Bearing surface	Typical Application
<p><b>Metal backed with bronze graphite oilless bearings</b></p> <ol style="list-style-type: none"> <li>1. Sinter bronze powder with graphite: good wear resistance with lower friction and excellent load carrying capacity. Can be machined after fitting to get precision tolerance. GGT also can supply the bearings with PTFE or graphite sprayed layer on the work surface to get much lower start friction.</li> <li>2. Metal backing: gives exceptionally high load carrying capacity, excellent heat dissipation.</li> <li>3. Copper plating 0.002mm, good corrosion resistance.</li> </ol> 	<p>The standard bearings we supply as plain surface, also we supply with cleaning grooves for small angular movements or in the presence of abrasive media or dirt, and indented surface for grease lubricated applications.</p>  <p>Indented surface for grease lubricated applications.</p>  <p>Cleaning grooves for small angular movements or in the presence of abrasive media or dirt.</p>	<p>The special structure of the material suitable for hostile environments, for high load application which lubrication is difficult. Now GGT850BM has been widely used in water turbines, vane controls, injection moulding machinery, packing machines, construction equipment, tire moulds, paper production machinery, furnace expansion plates, automotive transmission, heavy lifting chain linkage, food production equipment etc.</p> 

Tech. Data					
Standard material		GGT850BM1	GGT850BM2	GGT850BM3	GGT850BM4
Backing Metal		steel	steel	Stainless steel	Bronze
Lining layer	Composition	CuSn12+Gr	CuSn12Pb2+Gr	CuSn12+Gr	CuSn12+Gr
	Solid Lubricants	6%	10%	6%	6%
	Hardness	>40 HB	>40 HB	>40 HB	>40 HB
	Compressive strength	300 N/mm <sup>2</sup>	300 N/mm <sup>2</sup>	300 N/mm <sup>2</sup>	300 N/mm <sup>2</sup>
Max. Load	Static	50 N/mm <sup>2</sup>	50 N/mm <sup>2</sup>	50 N/mm <sup>2</sup>	50 N/mm <sup>2</sup>
	Dynamic	30 N/mm <sup>2</sup>	30 N/mm <sup>2</sup>	30 N/mm <sup>2</sup>	30 N/mm <sup>2</sup>
Max. Speed		0.5 m/s	0.5 m/s	0.5 m/s	0.5 m/s
Max. PV		1.5	1.5	1.5	1.5
Friction coefficient		0.1~0.3	0.06~0.3	0.1~0.3	0.1~0.3
Temp. °C		-150 ~ +250	-150 ~ +250	-150 ~ +250	-150 ~ +250