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Datasheet TEBRM80



TEBRM80 is a wound tin-bronze CuSn8P plain bearing with holes through the bearing to allow the formation of an oil film. TEBRM80 has good anti-fatigue, load, erosion, and wear characteristics. The bearing is widely applied in conditions of heavier load and slow speed. It is a maintenance-free dry slide bearing according to ISO 3547. The TEBRM80 bearing can be manufactured cylindrically or with a flange. It is also possible to obtain pressure rings, strips or other shapes on request. The TEBRM80 bearing has good sliding and wear characteristics and can be used under high loads. The bearing is a very economical solution for many purposes. The TEBRM80 bearing requires lubrication.

Application

Bearing for conveyors, lifters, winches and levelling machines

Material

Bronze wrapped bearing material with lubrication holes

Availablity

	Value	Unit
Inside diameter	10-300	mm
Outside diameter	12-305	mm
Flange diameter	30-340	mm
Flange height	2,5	mm
Total length	10-100	mm





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TEBRM80 - Specifications

Physical properties

	Test standard	Value	Unit

Mechanical properties

	Test standard	Value	Unit
Compressive strength static		on request	
Module of elasticity - Youngs modulus		on request	
Tensile strength		300	N/mm²
Shear strength		on request	
Impact strength		on request	
Hardness		90-120	Rockwell HB
Dynamic load capacity		60	N/mm²
Speed limit v max oil		2,5	m/s
Elongation at break		55	%

Thermal properties

	Test standard	Value	Unit
Min. working temperature		-100	°C
Max. working temperature		200	°C
Intermittent working temperature		on request	

Friction properties

	Test standard	Value	Unit
Coefficient of friction dynamic		on request	
Max. sliding speed		2,5	m/s
Max. Pv-load dry		on request	
Max. Pv-load oil lubricated		on request	
Max. Pv-load on regular greased		on request	

Electrical properties

	Test standard	Value	Unit

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