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Datasheet TEB1



TEB1 bronze bearing has a high safety factor. It is particularly suitable for operating conditions at high temperatures where oil cannot be added or when the machine operates for long periods in succession. It is widely used in the steel metallurgical industry, including sliding paths of successive casting machines, pumps for cement grouting and spiral conveyors for cement. It can be pressed into a steel housing and work as an assembly. It can also be made as a flange type, moving in both radial and axial directions.

Application

Suitable for continously working machinery

Material

Brass with PTFE an high temperature resistant filling material.

Availablity

	Value	Unit
Inside diameter	on request	
Outside diameter	on request	
Flange diameter	on request	
Flange height	on request	
Total length	on request	





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TEB1 - 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		on request	
Shear strength		on request	
Impact strength		on request	
Hardness		on request	
Dynamic load capacity		140	MPa

Thermal properties

	Test standard	Value	Unit
Min. working temperature		-195	°C
Max. working temperature		300	°C
Intermittent working temperature		on request	

Friction properties

	Test standard	Value	Unit
Coefficient of friction dynamic		0.03-0.18	[-]
Max. sliding speed		on request	
Max. Pv-load dry		4,3	MPa*m/s
Max. Pv-load oil lubricated		50	MPa*m/s
Max. Pv-load on regular greased		on request	

Electrical properties

	Test standard	Value	Unit

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