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Datasheet TE20



TE20 is a bearing with a high percentage of tin and aluminium composition. It contains steel as backing and AlSn20Cu pressed as lining. The bushing has a pretty good anti-wear, anti-corrosion, load-bearing, and smooth running performance. It is broadly used under high-speed and low load conditions. TE20 can be processed into bearing shells for medium and low power internal combustion engines or bearing shells for trains, air compressors and chillers. TE20 is a good alternative for Babbitt material.

Application

Material

Aluminium alloy.

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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TE20 - 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		30~40	Rockwell HB
Dynamic load capacity		30	MPa

Thermal properties

	Test standard	Value	Unit
Min. working temperature		on request	
Max. working temperature		150	°C
Intermittent working temperature		on request	

Friction properties

	Test standard	Value	Unit
Coefficient of friction dynamic		on request	
Max. sliding speed		on request	
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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