



Datasheet TE87



TE87 bimetal bearing is made of steel sintered with lead alloy CuSn10Bi3 as a lining layer. It can replace the bimetal bearings containing lead or copper bushings in many occasions.

Application

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Material

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Low carbon steel with sintered CuSn10Bi3.

Availability

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

TE87 - Specifications

Physical properties

	Test standard	Value	Unit
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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		90~120	Rockwell HB
Dynamic load capacity		140	MPa

Thermal properties

	Test standard	Value	Unit
Min. working temperature		on request	
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		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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