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Datasheet TE72



TE72 is a bimetallic bearing with steel backing and sintered CuPb24Sn4 as lining. This bearing type has quite good performance in anti-wear and heavy load capacity. TE72 is recommended for medium speed and medium load. With a soft alloy plated on the bushing surface and with oil lubrication, it can be used in a high-speed internal combustion engine as well as a connecting rod.

Application

Suits for occasions with medium speed, medium load, with oil lubrication

Material

Steel with a sintered alloy.

Availablity

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

The information in this datasheet is provided for general purposes only and not meant to be a specific recommendation for any individual application. All values were determined under laboratory conditions. ASEC Products is not directly neither indirectly responsible for any claim resulting from the use of any information provided in this datasheet.



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TE72 - Specifications

Physical properties

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Mechanical properties

	Test standard	Value	Unit
Compressive strength static		on request	
Module of elasticity - Youngs modulus		on request	
Tensile strength		150	MPa
Shear strength		on request	
Impact strength		on request	
Hardness		45~70	Rockwell HB
Dynamic load capacity		38	MPa
Speed limit v max dry		10	m/s

Thermal properties

	Test standard	Value	Unit
Min. working temperature		on request	
Max. working temperature		170	°C
Intermittent working temperature		on request	

Friction properties

	Test standard	Value	Unit	
Coefficient of friction dynamic	oil	0,06-0,16	[-]	
Max. sliding speed		on request		
Max. Pv-load dry		on request		
Max. Pv-load oil lubricated		10	MPa*m/s	
Max. Pv-load on regular greased		2,8	MPa*m/s	

Electrical properties

	Test standard	Value	Unit