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Datasheet TEJDBH1



TEJDBH1 ultra-high hardness impregnated brass solid lubrication bearing is further improved upon TEJDB01 by adjusting a high hardness brass casting process to raise its hardness further, maximising its load-bearing capacity and wear-resistant property. Due to its reduced ductility, high-impact applications should be avoided. Also, the bearing bush's high hardness during the design of the bearing set high hardness shaft should be selected to prevent premature shaft wear. TEJDBH1 is widely used in mining equipment, engineering equipment, and injection-molding machines, etc.

Application

Material

Hard bronze bearing with lubrication plugs.

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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TEJDBH1 - 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	ASTMD785	>275	Rockwell HB
Dynamic load capacity		140	MPa
Speed limit v max dry		0,4	m/s
Speed limit v max oil		5	m/s

Thermal properties

	Test standard	Value	Unit
Min. working temperature		on request	
Max. working temperature		300	°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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