ASEC



SLIDING BEARINGS ASMPF

SKU: ASMPF

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Categories: Steel bearings

Features

- The copper inside give a good lubrication.
- Steel back makes the bearing stronger.
- Can bear axial and radial loads simultaneously.
- Suitable for low speeds.
- Suitable for high load at rotation.
- Economic bearing material.

Application
Suitable for medium/low-speed and high-load rotation, swing and other uses.

Material
Steel and copper.

ASMPF friction-welded dual metal bearings are fundamental parts used in industrial machinery. They are manufactured by friction-melt welding together dual metal roller bearings and dual metal discs. This product utilizes a copper alloy as the sliding material that comes into contact with the shaft, providing good lubrication and protective capabilities for the shaft and the shaft shoulders. The base metal is steel, which allows for higher load-bearing capability and lower material costs.

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Availablity		Value	Unit
Min. inside diameter		40	mm
Max. outside diameter		105	mm
Flange diameter		60-144	mm
Length standard		39.5-127	mm
Physical properties	Test standard	Value	Unit
Mechanical properties	Test standard	Value	Unit
Comp. strength static		250	MPa
Shear strength		200	MPa
Dynamic load capacity		65	MPa
Flexural modulus	ISO178	3200	MPa
Thermal properties	Test standard	Value	Unit
Min. working temperature		-80	°C
Max. working temperature		260	°C

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