ASEC



SLIDING BEARINGS AS80J(F)

SKU: AS80J(F)

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Categories: Steel bearings

Features

- Strongest load capacity among bimetal bearings.
- Suitable for low-speed.
- Good wear performance.
- Low friction coefficient.
- Maintenance-free.

Application
Suits for idler and track roller for bulldozers, balance suspencion bushings and thrust washers for heavy-load vehicles and kin pin bushings for automobiles.

Material
Low carbon steel with sintered copper alloy.

AS80J bimetallic bearing is made of steel sintered with CuPb10Sn10 or CuSn6Zn6Pb3 as a lining layer. In this product range, this type of bushing demonstrates the best performance among bushings made of Cu-lead alloy material. It is well suited for low speeds and high impact conditions. Its usages include balance suspensions of heavy-duty trucks, track roll of bulldozers, car chassis etc.

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Availablity		Value	Unit
Min. inside diameter		10	mm
Max. outside diameter		180	mm
Flange diameter		On request	mm
Length standard		10-100	mm
Mechanical properties	Test standard	Value	Unit
Comp. strength static		200	MPa
Tensile strength		150	MPa
Hardness		70~100	HB
Dynamic load capacity		65	MPa
Mechanical properties	Test standard	Value	Unit
Speed limit v max dry		5	m/s
Thermal properties	Test standard	Value	Unit
Min. working temperature		-80	°C
Max. working temperature		260	°C
Friction properties	Test standard	Value	Unit
Coefficient of friction dynamic	oil	0.06-0.14	[-]
Max. pv load oil lubricated		10	MPa*m/s
Max. pv load regular greased		2,8	MPa*m/s

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