ASEC



SLIDING BEARINGS AS4B(F)

SKU: AS4B(F)

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Categories: Steel bearings

Features

- Cast iron with solid lubricant.
- Operates at high temperatures (around 400 degrees C).
- Cost-saving application where low mechanical performance is required.
- High load performance.
- With lubrication plugs.
- Maintenance-free.

Material
Cast iron with solid lubricant.

AS4B is made of casting iron HT250 and embedded with solid lubricant. It is a typical cost-saving product. It can substitute AS2B if the pressure is under 145N/mm² or the requirement in mechanical performance is not high including guidepost of mold, mold-frame of plastic injection machine etc.

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Availablity		Value	Unit
Min. inside diameter		8	mm
Max. outside diameter		180	mm
Flange diameter		22-170	mm
Length standard		15-100	mm
Physical properties	**Test standard**	**Value**	**Unit**
Density		7.30	g/cm³
Mechanical properties	**Test standard**	**Value**	**Unit**
Comp. strength static		200	MPa
Tensile strength		> 250	MPa
Hardness		180-230	Rockwell HB
Dynamic load capacity		60	MPa
Thermal properties	**Test standard**	**Value**	**Unit**
Min. working temperature		-80	°C
Max. working temperature		400	°C
Friction properties	**Test standard**	**Value**	**Unit**
Coefficient of friction dynamic		0.04-0.18	[-]
Max. sliding speed		0.5	m/s
Max. pv load dry		0.8	MPa*m/s
Max. pv load oil lubricated		3.8	MPa*m/s

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