ASEC



SLIDING BEARINGS AS1B(F)

SKU: AS1B(F)

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Categories: Bronze bearings

Features

- Double hardness compared to standard bronze bearing.
- Superior performance compared to standard bearings.
- Wear-resistant performance is twice higher than normal type.
- Creates its own lubrication film.
- High bearing life.
- Custom made possible.

Application
Where high temperature, high load, low speed and heavy load are required

Material
Bronze with graphite.

AS1B is a solid lubricant embedded bearing which is made of casting bronze with graphite embedded evenly in it. It has superior performance than standard bearings whose lubrication depends on an oil film. Under conditions of heavy-duty, high temperature, slow speed, anti-corrosion, or where oil is hard to be introduced, its performance doubles both in hardness and anti-friction.

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Availablity		Value	Unit
Min. inside diameter		8	mm
Max. outside diameter		180	mm
Length standard		8-150	mm
Physical properties	**Test standard**	**Value**	**Unit**
Density	ASTM D792	8,00	g/cm³
Mechanical properties	**Test standard**	**Value**	**Unit**
Comp. strength static		200	MPa
Tensile strength		> 600	MPa
Hardness		210-245	HB
Dynamic load capacity		100	MPa
Speed limit v max dry		0,4	m/s
Speed limit v max oil		5	m/s
Elongation		>10	%
Thermal properties	**Test standard**	**Value**	**Unit**
Min. working temperature		-80	°C
Max. working temperature		300	°C
Friction properties	**Test standard**	**Value**	**Unit**
Coefficient of friction dynamic		0.04-0.16	[-]
Max. pv load dry		1.8	MPa*m/s
Max. pv load oil lubricated		3.8	MPa*m/s

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