ASEC



SLIDING BEARINGS AS1P(F)

SKU: AS1P(F)

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Categories: Steel bearings

Features

- Good wear resistance.
- Strong self-lubricating ability.
- High fatigue strength.
- Oil resistant.
- Developed for hydraulic cylinders.
- Maintenance-free.

Application
Suitable for hydraulic cylinder, motors, pneumatic components and shock absorbers.

Material
Steel with frcition modifier.

AS1P is particularly suitable for bushings used in a reciprocating motion. Its characteristics are similar to that of foreign material named DD2. AS1P has good anti-wear performance, and so it can keep the lubricating oil well after a long period of operating. In the meantime, it also has the ability to protect the surface from wear. AS1P is used extensively as piston rings for shock absorbers in cars, motorbikes, various hydraulic cylinders, hydraulic motors and pneumatic components.

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Availablity		Value	Unit
Min. inside diameter		6	mm
Max. outside diameter		305	mm
Flange diameter		12-53	mm
Length standard		6-100	mm
Mechanical properties	Test standard	Value	Unit
Comp. strength static		200	MPa
Dynamic load		140	MPa
Thermal properties	Test standard	Value	Unit
Min. working temperature		-195	°C
Max. working temperature		280	°C
Friction properties	Test standard	Value	Unit
Coefficient of friction dynamic		0.04-0.20	[-]
Max. sliding speed		2.5	m/s
Max. pv load dry		3.6	MPa*m/s
Max. pv load oil lubricated		50	MPa*m/s

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