ASEC



SLIDING BEARINGS ASM3X(F)

SKU: ASM3X(F)

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Categories: Steel bearings

Features

- Low friction.
- Medium load applications.
- Cost effective.
- Good wear performance.
- Dry running.
- Maintenance-free.

Material
Steel backing, sintered bronze and POM liner.

ASM3X boundary lubrication bearings are based on a composite material with 3 layers firmly bonded together. Steel as the support layer, sintered porous bronze powder as the intermediate layer and modified POM as the liner layer. ASM3X performs well under low-speed, heavy load and normal temperature operating conditions. ASM3X is cost-effective and it has a longer service life when acting as a replacement for normal copper tubing. ASM3X is widely applied in auto chassis, forging machinery, metallurgical and mining equipment, construction machinery, power plant, strip rolling industries etc.

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Availablity		Value	Unit
Min. inside diameter		10	mm
Max. outside diameter		305	mm
Flange diameter		On request	mm
Length standard		10-100	mm
Physical properties	**Test standard**	**Value**	**Unit**
Thermal conductivity		13	W/m*K
Mechanical properties	**Test standard**	**Value**	**Unit**
Comp. strength static		250	MPa
Shear strength		200	MPa
Dynamic load capacity		70	MPa
Speed limit v max dry		2.5	m/s
Thermal properties	**Test standard**	**Value**	**Unit**
Min. working temperature		-40	°C
Max. working temperature		130	°C
Friction properties	**Test standard**	**Value**	**Unit**
Coefficient of friction dynamic	pin-on-ring/dry against steel	0.05-0.25	[-]
Max. sliding speed		2.5	m/s
Max. pv load dry	pin-on-ring	22	MPa

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