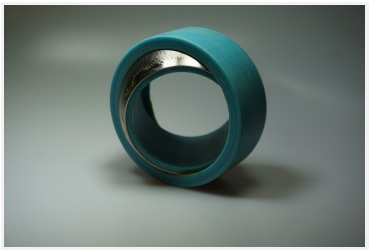
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Datasheet ASSPXR



ASEC SP spherical plain bearings are well suited for all rotating pivot points, in particular for oscillating movements, where the shaft must be self-aligning. Spherical plain bearings are for example particularly recommended for the eyes of hydraulic cylinders. As cylinders are always oscillating, they must be able to move freely without any sideload on the rod at any time during the movement. A sideload causes an axial load on the guide and seals of the piston rod, which can lead to leakages. The parallel movement of the cylinder and the spherical plain bearing prevent such leakage.

Application

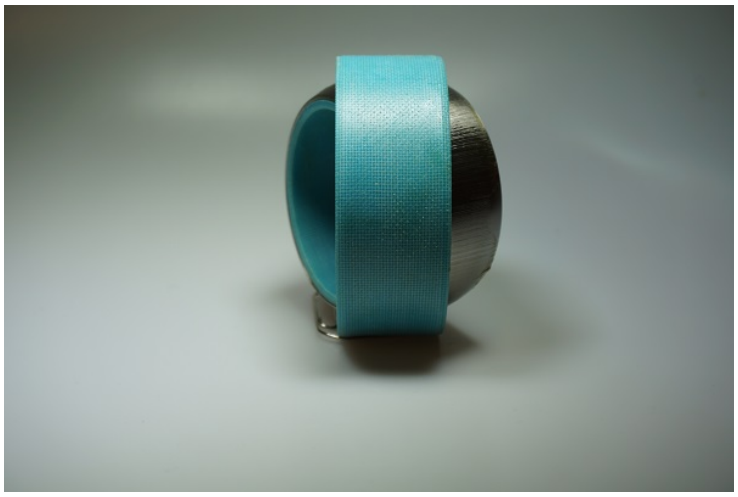
High end sperical slide bearing - Stailes steel spherical ball - Interchangeable with other types - Sizes according ISO 12240 - High load and shock resistant - Enviromental friendly - Suitable for dry running - Low friction material - Suitable for edge loading - High wear resistance

Material

Composite inner and outer ring with stainless steel ball.

Availablity

	Value	Unit
Tube inside diameter	10-1000	mm
Tube outside diameter	19-1320	mm
Length standard	9-438	mm





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ASSPXR - Specifications

Physical properties

	Test standard	Value	Unit
Density		Not applicable	
Max. swell in water at 20 °C	ASTM D570	<0,1	%

Mechanical properties

	Test standard	Value	Unit

Thermal properties

	Test standard	Value	Unit
Min. working temperature		-196	°C
Max. working temperature		120	°C
Intermittent working temperature		140	°C

Friction properties

	Test standard	Value	Unit
Coefficient of friction dynamic	pin-on-ring/dry against steel	0,05-0,22	[-]
Max. sliding speed		2,0	m/s
Max. Pv-load dry	pin-on-ring	0,25	MPa*m/s
Max. Pv-load oil lubricated	pin-on-ring	0,5	MPa*m/s
Max. Pv-load on regular greased	pin-on-ring	2	MPa*m/s

Electrical properties

	Test standard	Value	Unit

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