

CRG 缠绕轴承 Bearings



■ 轴承材料结构

内衬：以PTFE纤维与高强度纤维填充内部润滑剂与高温高强环氧树脂作为滑动层；

衬背：以高强度玻璃纤维增强高强环氧树脂作为承载层。

■ Material structure

Sliding layer: Continuous wound PTFE and high-strength fibers encapsulated in an internally lubricated, high-temperature and high-strength filled epoxy resin.

Backing: Continuous wound glass fiber encapsulated in high-strength epoxy resin.

轴承技术数据 Technical data

材料性能 Material properties	标准 Standard	单位 Unit	CRG
密度 Density	ISO1183	g/cm ³	1.90
最大吸水率 Max. water absorption	ISO62	%	0.1
极限PV值 Max. PV (dry)	ITS026	N/mm ² ×m/s	1.5
摩擦系数 Coefficient of friction	ITS025	μ	0.03~0.12
连续运行温度 Long-term application temperature	ITS029	°C	+160
短时运行温度 Short-term application temperature	ITS029	°C	+180
最低运行温度 Lowest application temperature	ITS029	°C	-196
最高速度 Max. Speed	ITS032	m/s	0.13
抗压强度 Compressive strength	ITS033	MPa	420
最大静载荷 Max. static load	ITS027	MPa	240
最大动载荷 Max. dynamic load	ITS028	MPa	160
线性热膨胀系数(25 ~ 150°C) Linear coef. of thermal Expansion	ISO11359	10 ⁻⁶ ×K ⁻¹	13

*ITS: CSB内部测试标准 CSB company's internal test standards.

**除非特殊说明测试温度为23°C Test temperatures are 23°C unless otherwise stated.

典型特征 Typical features

高载摆动与旋转应用

极好的耐磨特性

较强的耐腐蚀能力

低摩擦系数

不推荐加油



For high load oscillation and rotation applications

Excellent wear resistance

Very good chemical resistance

Low friction coefficient

Oil forbidden

典型应用 Typical applications

油缸耳轴

建筑机械

举升机械

起重机械、物料机械

港口机械

Hydraulic cylinder pivots

Boom lifts, scissor lifts

Cranes, material handling equipment

Construction machinery arm bushes

Port machinery