

CRM 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环氧树脂作为滑动层；
衬背：以高强度玻璃纤维增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 filled epoxy resin.

Backing: Continuous wound glass fiber encapsulated in epoxy resin.

轴承技术数据 Technical data

材料性能 Material properties	标准 Standard	单位 Unit	CRM
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	1.2
摩擦系数 Coefficient of friction	ITS025	μ	0.05~0.15
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	120
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

高载摆动应用
内孔可精加工
优良的耐污性能
较好的化学抗性
不推荐加油



For high load oscillation applications
Internal bore can be precision-finished
Excellent contamination resistance
Good chemical resistance
Oil forbidden

典型应用 Typical applications

升降作业机械
油缸耳环轴套
物流机械
包装机械

Boom lifts, Scissor lifts
Hydraulic cylinder pivots
Handling machinery
Packager machinery