

CRG 高承载型缠绕轴承 High load type 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温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 a high-temperature and 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 | 1.95 |
| 最大吸水率 Max. water absorption | ISO62 | % | 0.1 |
| 极限PV值 Max. PV (dry) | ITS026 | N/mm ² × m/s | 2 |
| 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 | -100 |
| 最高速度 Max. Speed | ITS032 | m/s | 0.2 |
| 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 |
| 邵氏硬度 Shore hardness | ISO868 | D | 95 |
| 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

极高的动承载能力
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



Very high load capacity
Excellent wear resistance
Very good chemical resistance
Low friction coefficient
Oil forbidden

典型应用 Typical applications

油缸耳轴套
建筑机械曲肘轴套
举升机械
起重机械、物料机械
港口机械
包装机械

Hydraulic cylinder pivots
Construction machinery arm bushes
Boom lifts, scissor lifts
Cranes, material handling equipment
Port machinery
Package machine