

### CRH 标准型缠绕轴承 Standard 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环氧树脂作为滑动层；  
衬背：以高强度玻璃纤维增强高温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 a high temperature epoxy resin.

### 轴承技术数据 Technical data

材料性能 Material properties	标准 Standard	单位 Unit	CRH
密度 Density	ISO1183	g/cm <sup>3</sup>	1.95
最大吸水率 Max. water absorption	ISO62	%	0.1
极限PV值 Max. PV (dry)	ITS026	N/mm <sup>2</sup> ×m/s	2.0
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	+200
短时运行温度 Short-term application temperature	ITS029	°C	+260
最低运行温度 Lowest application temperature	ITS029	°C	-100
最高速度 Max. Speed	ITS032	m/s	0.16
抗压强度 Compressive strength	ITS033	MPa	620
最大静载荷 Max. static load	ITS027	MPa	420
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 <sup>-6</sup> ×K <sup>-1</sup>	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  
很高的抗冲击性能  
极好的耐磨特性  
较强的耐腐蚀能力  
不推荐加油



Very high load capacity  
High anti-impact performance  
Extremely Wear resistance  
Strong corrosion resistance  
Oil forbidden

### 典型应用 Typical applications

油缸耳轴套  
举升机械  
起重机械、物料机械  
建筑机械  
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