

CRF 多用型缠绕轴承 Multi-role type bearings



■ 轴承材料结构

CRF轴承是采用特种高强树脂和高强度纤维织物浸渍缠绕而成，并填充专用内部耐磨剂。

■ Material structure

Materials: Continuous wound high-strength fiber textile encapsulated in a special internally lubricated, high-strength filled resin.

轴承技术数据 Technical data

材料性能 Material properties	标准 Standard	单位 Unit	CRF
密度 Density	ISO1183	g/cm ³	1.3
最大吸水率 Max. water absorption	ISO62	%	0.5
极限PV值 Max. PV (dry)	ITS026	N/mm ² ×m/s	1.2
摩擦系数 Coefficient of friction	ITS025	μ	0.08~0.30
连续运行温度 Long-term application temperature	ITS029	°C	+130
短时运行温度 Short-term application temperature	ITS029	°C	+160
最低运行温度 Lowest application temperature	ITS029	°C	-40
最高速度 Max. Speed	ITS032	m/s	0.13
抗压强度 Compressive strength	ITS033	MPa	300
最大静载荷 Max. static load	ITS027	MPa	150
最大动载荷 Max. dynamic load	ITS028	MPa	45
邵氏硬度 Shore hardness	ISO868	D	90
线性热膨胀系数(25 ~ 150°C) Linear coef. of thermal Expansion	ISO11359	10 ⁻⁶ ×K ⁻¹	40

*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

特别适用于油和水润滑应用
极好流体润滑耐磨性
内外径可机加工
允许加油

Suitable for oil and water lubricating applications
Excellent wear resistance in liquids
Completely machinable
Oil allowed

典型应用 Typical applications

水力机械轴套
拉杆轴套
包装机械
气泵轴套
伺服电机

Hydraulic machinery bearing
Tie-bar bearing
Package machine
Air pump guide bushes
Servo-motor bearings