

### 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 <sup>3</sup>	1.3
最大吸水率 Max. water absorption	ISO62	%	0.5
极限PV值 Max. PV (dry)	ITS026	N/mm <sup>2</sup> ×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 <sup>-6</sup> ×K <sup>-1</sup>	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