

## CRF 缠绕轴承 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浸渍缠绕而成，并填充专用内部耐磨剂。

### ■ Material structure

Materials: Continuous wound high-strength fiber 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>                 | 1.30      |
| 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            | 1.0       |
| 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                                | +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                               | 150       |
| 最大静载荷 Max. static load                                | ITS027      | MPa                               | 150       |
| 最大动载荷 Max. dynamic load                               | ITS028      | MPa                               | 75        |
| 线性热膨胀系数(25 ~ 150°C) Linear coef. of thermal Expansion | ISO11359    | 10 <sup>-6</sup> ×K <sup>-1</sup> | 50        |

\*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

船舶与水利设备  
门闸衬套  
油缸导向衬套  
活塞导向环

Marine and hydraulic machinery  
Door bushes  
Cylinder guide bushing  
Piston guide ring