



# SF-2





## 边界润滑轴套 BOUNDARY LUBRICATING BUSHING

### 产品介绍 Product introduction

SF-2边界润滑轴承，是以钢板为基体，中间烧结球型青铜粉，表面轧制改性聚甲醛（POM），并含有储油坑。它适用于常温条件下，低速中载的场所，取代传统铜套，既降低成本又延长使用寿命。特殊情况下，在轧钢机上使用，又能节省加油频次、简化更换程序。该产品已广泛应用于汽车底盘、锻压机床、冶金矿山机械、工程机械、水电、轧钢行业等领域。

SF-2 boundary lubrication bushing is based on a composite material with 3 firmly bonded layers: steel as backing, sintered bronze spherical powder as interlayer and modified POM as lining layer, It fits well for low speed, middle-load and normal temperature and saves cost and prolongs working life when replacing normal all copper sleeves. It is widely applied in auto chassis, forging machine, metallurgical and mining machine, civil engineering, power station, strip rolling industries, etc.

### 使用参数 The use of parameters

	<b>SF-2</b> 边界润滑轴承 Marginal Bearing	<b>SF-2H</b> 无铅边界润滑轴承 Lead Free Marginal Bearing	<b>SF-2S</b> 无铅边界润滑轴承 Lead Free Marginal Bearing	<b>SF-2L</b> 无铅边界润滑轴承 Lead Free Marginal Bearing
参数 Parameters				
最大承载压力P(静) Max load capacity P(Static)	250 N/mm <sup>2</sup>	250 N/mm <sup>2</sup>	250 N/mm <sup>2</sup>	250 N/mm <sup>2</sup>
最大承载压力P(动) Max load capacity P(Dynamic)	140 N/mm <sup>2</sup>	140 N/mm <sup>2</sup>	140 N/mm <sup>2</sup>	140 N/mm <sup>2</sup>
最大线速度 V(脂) Max line speed V(Grease)	2.5m/s	2.5m/s	2.5m/s	2.5m/s
最高 PV 值(脂) Max imum PV value(Grease)	3 N/mm <sup>2</sup> .m/s	3 N/mm <sup>2</sup> .m/s	3 N/mm <sup>2</sup> .m/s	3 N/mm <sup>2</sup> .m/s
摩擦系数 μ (脂) Friction coef μ (Grease)	0.05~0.25	0.05~0.25	0.05~0.25	0.05~0.25
工作温度 Working temperature	-40℃~+110℃	-40℃~+110℃	-40℃~+110℃	-40℃~+110℃
导热系数 Thermal conductivity	4 W/(m.k)	4 W/(m.k)	4 W/(m.k)	4 W/(m.k)
线膨胀系数 Coefficient of linear expansion	11 × 10 <sup>-6</sup> /k	11 × 10 <sup>-6</sup> /k	11 × 10 <sup>-6</sup> /k	11 × 10 <sup>-6</sup> /k

