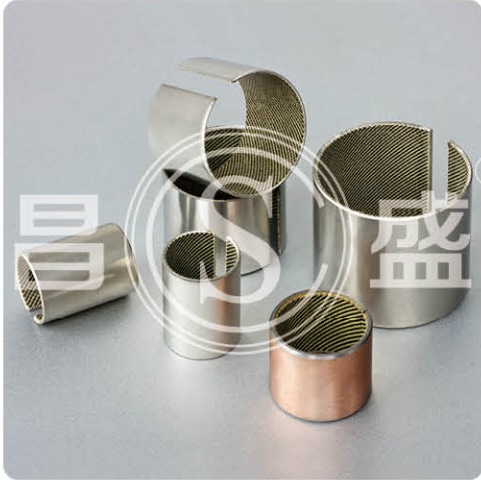


## TEX 无给油轴承 TEX Oilless Bearing



该材料以各种优质金属为基体，表面覆着以PTFE和其它添加剂为主的低摩擦耐磨编织物材料。这种材料结构相比一般三层复合材料具有更高的承载能力、抗高温性和更长的使用寿命。基材为低碳钢 (TEX-1T)、不锈钢 (TEX-1H)、钢 (TEX-1S) 等。主要运用于高温生产线、建筑机械、汽机车底盘零部件、球阀、蝶阀各种阀门，水泵及化工工业和高速火车等重载低速而无法加油的场合。

The material is in various high-quality metal for the substrate, the surface covered with PTFE and other additives to the low friction abrasion-based woven fabric material. This material is compared to the general three-layer composite structure has a higher carrying capacity, high-temperature and longer life. Substrate for low-carbon steel (TEX-1T), stainless steel (TEX-1H), steel (TEX-1S) and so on. Mainly used in high temperature production lines, construction machinery, automobile chassis parts, ball valves, butterfly valves, pumps and chemical industries and high-speed trains and other heavy low and can not refuel occasion

最大承载 Max. Load	静承载 Static	450 N/mm <sup>2</sup>	使用温度 Temp.	-150°C ~ 380°C
	动承载 Dynamic	250 N/mm <sup>2</sup>	摩擦系数 Friction coefficient	0.03 ~ 0.20
最高速度 Max. Speed	干摩擦 Dry	1.5m/s	导热系数 Thermal conductivity	42W (m·k) <sup>-1</sup>
	油润滑 Lubrication	> 2.5m/s	热膨胀系数 coefficient of thermal expansion	11·10 <sup>-6</sup> ·k <sup>-1</sup>
最大PV(干) Max. PV(Dry)	短时间 Short-term	3.6 N/mm <sup>2</sup> ·m/s		
	连续 Continuous	1.8 N/mm <sup>2</sup> ·m/s		

## FR 系列铜网四氟软带轴承 FR Bronze Mesh with PTFE Self-lubricating Bearing



软带材料是以青铜丝网为基础，通过表面轧制PTFE等相关的增强减摩材料烧结后制成。这种材料结构使产品的重量更轻，安装更方便。该产品具有较低的摩擦系数和较好的耐磨特性。由于它的柔软性能特别好，可以加工成钢与钢金属之间的隔离膜，实现无间隙，无噪音，无油润滑，无需保养，无污染的理想状态。

FR is a composite material, it is made of bronze wire mesh as frame and cover the mixture of PTFE and other anti-wear material by special sintering. It is of low friction coefficient and good performance in anti-wear. Due to its flexibility, it can act as segregation film between two steel friction surfaces, in this application, the superior performance of no clearance, no noise, no oil lubrication, no maintenance and no pollution will be appeared.

### 适用范围 Application

汽车门窗铰链，纺织机械，关节轴承，化工行业，食品工业，阀门控制机构，办公机械，仪器仪表等，轻载低速但需要自润滑的不同场合。

Automobile door hinge, textile machinery, spherical bearings, chemical industries, food industries, medical industries, valve controllers etc. used in those light load and lower speed applications.

金属承载力 Bearing capacity	厚度 Thickness	自润 Lubricating
锡青铜 Bronze	0.48 <sup>+0.02</sup>	PTFE这主体和相关的减摩擦材料 PTFE and other anti-wear material
黄铜 Brass	0.48 <sup>+0.02</sup>	
不锈钢 Stainless steel	0.48 <sup>+0.02</sup>	

厚度公差可按要求定制

### 技术参数 Tech. Data

最大承载力 Max. Load	30N/mm <sup>2</sup>	
适用温度 Temp. Limit	- 20°C ~ + 250°C	
最高滑动速度 Max. Speed	干摩擦 Dry	0.5m/s
	油润滑 Lubrication	2m/s
允许最高PV值 Max. PV	1.65/mm <sup>2</sup> ·m/s	
摩擦系数μ Friction coefficient	0.05~0.20	