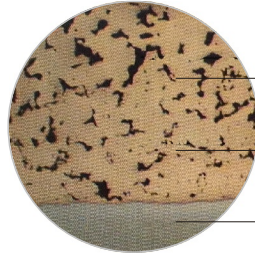
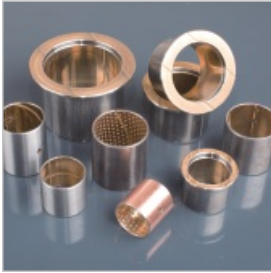


## VSB80

钢和无铅铜合金+固体润滑剂  
Steel+lead-free bronze+solid Inbricant



固体润滑剂  
Solid Lubricants

无铅铜合金烧结层  
CuSn8Ni Lead Free Bronze Alloy

低碳钢  
Low Carbon Steel

### 结构特性及用途 Structure Characteristics and Applications

以优质低碳钢为基础，表面烧结无铅铜合金材料和固体润滑剂的混合物，充分减小磨损因数，突破传统材料无法达到自我产生润滑源的生产工艺！相比普通双金属材料不但满足了无铅要求，而且具有更好的耐磨性，适合于边界润滑和流体润滑工况下的使用。

Based on high quality low carbon steel, sintering lead-free bronze alloy and solid lubricant on the surface, reduce the wear factor. The solid lubricant supplying the lubricant source when working. Compare with traditional bi-metal material, it not only meets the lead-free requirement, also can achieve excellent wear resistance, suitable for the condition of boundary lubrication and fluid lubrication.

### 物理机械性能 Physical and Mechanical Performance

性能指标 Performance Index		有关数据 Data	性能指标 Performance Index	有关数据 Data
最大承载压力P Max Load	静承载 Static	250 N/mm <sup>2</sup>	合金硬度 Alloy Hardness	HB 60~100
	动承载 Dynamic	140 N/mm <sup>2</sup>	使用温度 Temperature	-40℃~250℃
最大线速度V Linear Velocity		2.5 m/s	摩擦系数 Friction Coefficient	0.05~0.12
最高PV值 Max PV value		2.8 N/mm <sup>2</sup> ·m/s	导热系数 Thermal Conductivity	60 W/(m·k)
剪切强度 Shear Strength		170 N/mm <sup>2</sup>	热膨胀系数 Coef. of thermal expansion	14·10 <sup>-6</sup> k <sup>-1</sup>