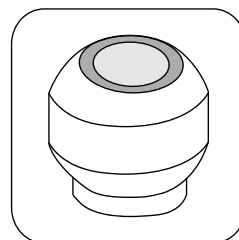
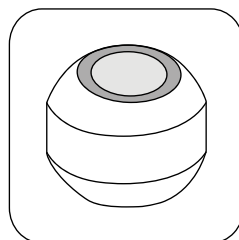
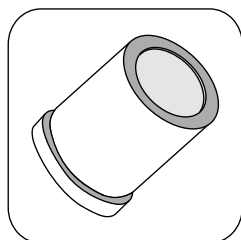
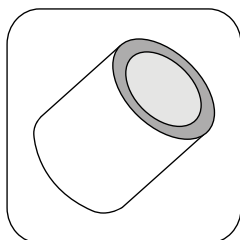


FU 粉末冶金轴承 FU Self-Lubricated Sintered bearing

该产品是以铜粉或铁粉为原料,经模具压制、高温烧结、真空浸油后加工而成。产品广泛应用于家用电器、电动工具、纺织机械、化工机械、汽车工业等。




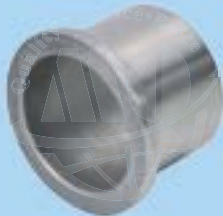
粉末冶金含油轴承的形状 Shape of FU Sintered Bushing



材料的种类及金属基体 Material and Basic Metal

材料代号Material Code	金属基体Basic Metal	材料的合金成分Alloy Composition
FU-1 (铜基) Bronze Based	SAE81 ASTM B438-70 GR1 Type II DIN30 910 PART3SintA50 Mil-B-5687C Type I CompA	Cu87.5~90.5, Fe1.0max, Sn9.5~10.5, P1.75, 杂质为0.5
FU-2 (铁基) Iron Based	SAE863 Type3 SATM B439-70 GR4 Mil-b-5687C Type II CompB	Cu18.0~22.0, Fe余量, 杂质为2.0 Allow Ance

FU 粉末冶金轴承 FU Self-Lubricated Sintered bearing

参数Parameters		FU-1	FU-2
			
合金成份Alloy composition		铜基 Bronze Based	铁基 Iron Based
机械物理性能 Material Composition and Properties			
最大静载 P Max. Load	N/mm ²	200	150
最大动载 P Max. Load	N/mm ²	100	60
最大滑行速度 (干摩擦) Max taxi speed	m/s	0.3	0.2
最高PV值 (干摩擦) Max PV Value	N/mm ² ·m/s	1.5	1.0
使用温度 T Temperature	°C	-50~150	0~600
摩擦系数 Friction coefficient	干摩擦 Dry friction	0.13-0.18	0.30-0.45
	水润滑 Water lubrication	0.11-0.16	-
轴径最小硬度HRC Shaft Diameter hardness	>	180	45
轴表面光洁度Ra Shaft surface finish	μ m	0.2-0.8	0.2-0.8
密度 γ Density	g/cm ³	6.8	6.0
硬度 (最低) Hardness	HB	40	80
线膨胀系数 α 1 Coefficient of linear expansion	10 ⁻⁶ /K	18	13
抗拉强度 σ T Tensile strength	N/mm ²	50	80
抗压强度 σ C Compressive strength	N/mm ²	300	550
杨氏模量E Young modulus	N/mm ²	52000	