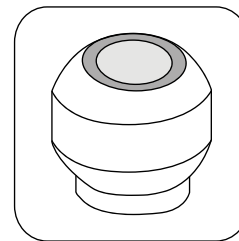
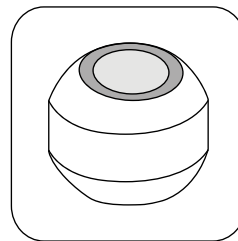
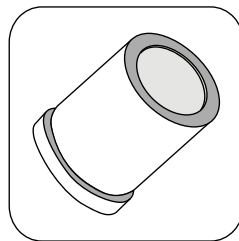
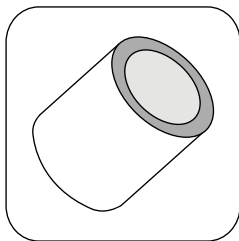


FU Self-Lubricated Sintered bearing

It's made of bronze or iron powder. mold pressed in high pressure. sintered in high temperature and soaked in oil by vacuum. It's used in domestic electric appliances, electric tools, textiles machinery, chemical machinery and automobile industry, etc.



Shape of FU Sintered Bushing



Material and Basic Metal

Material Code	Basic Metal	Alloy Composition
FU-1 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, Other 0.5
FU-2 Iron Based	SAE863 Type3 SATM B439-70 GR4 Mil-b-5687C Type II CompB	Cu18.0~22.0, Fe: remainder, Other 2.0

FU Self-Lubricated Sintered bearing

Parameters		FU-1	FU-2
			
Alloy composition		Bronze Based	Iron Based
Material Composition and Properties			
P Max. Load	N/mm ²	200	150
P Max. Load	N/mm ²	100	60
Max taxi speed	m/s	0.3	0.2
Max PV Value	N/mm ² ·m/s	1.5	1.0
Temperature	°C	-50~150	0~600
Friction coefficient	Dry friction	0.13-0.18	0.30-0.45
	Water lubrication	0.11-0.16	-
HRC Shaft Diameter hardness	>	180	45
Ra Shaft surface finish	μ m	0.2-0.8	0.2-0.8
Density γ	g/cm ³	6.8	6.0
Hardness	HB	40	80
Coefficien of linear expansion α 1	10 ⁻⁶ /K	18	13
Tensile strength σ T	N/mm ²	50	80
Compressive strength σ C	N/mm ²	300	550
Young modulus E	N/mm ²	52000	