

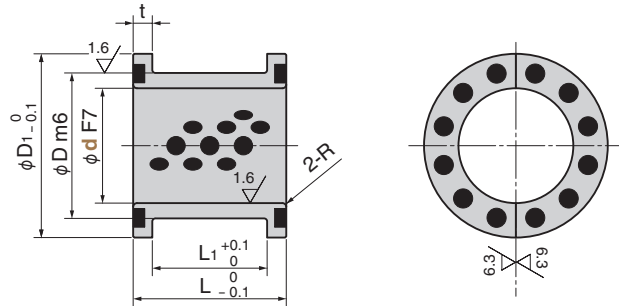
Oilless Thrust Bush

Copper Alloy
Split Type

SO#50SP2



SOBBD



● Sliding Direction



● Mating post tolerance

- Tolerance
e7 : General use (light load)
f7 : High precision
- Surface roughness
Ra 0.2~0.8 μ m
- Hardness Over tempering

● Inner diameter tolerance

- (in case housing hole H7)
- Before press-fit: F7
- After press-fit: H7

Material Base Copper alloy (SO-2)
Solid lubricant (GR-1)

Operation Range

Lubricant Type	Lubricating Condition	Environment Condition	Max. Allowable Load P N/mm ²	Max. Allowable Sliding Speed V m/min	Max. Allowable PV value N/mm ² · m/min	Operation Range Temperature °C
GR-1	No lubrication	Atmosphere	100	15	150	-50 ~ +300
	Regular lubrication (Grease)			30	200	-50 ~ +150

⚠ When the product is used at high temperature (150 °C or more), the embedding specification of solid lubricant is different. Please contact us for details.

Physical Properties

Specific Gravity	Hardness HB	Elongation %	Tensile Strength N/mm ²	Linear Expansion Coefficient $\times 10^{-5}/^{\circ}\text{C}$
7.9	210 or more	12 or more	755 or more	1.9

d F7	D m6	D ₁	L ₁	L	t	R	Catalog No.	d
20	28	35	20	28	4	2		20
25	33	40	25	33				25
30	38	48	30	40	5	1.5	SOBBD	30
40	50	60	40	50				40
50	62	68	50	60		2		50

Solid lubricant is not through only for d = 50.



Order

Catalog No.

SOBBD

D

25

● Other operating conditions and characteristics

- Can be used in the atmosphere and fresh water (on condition).
- Good performance in operation under high load and at low speed.