

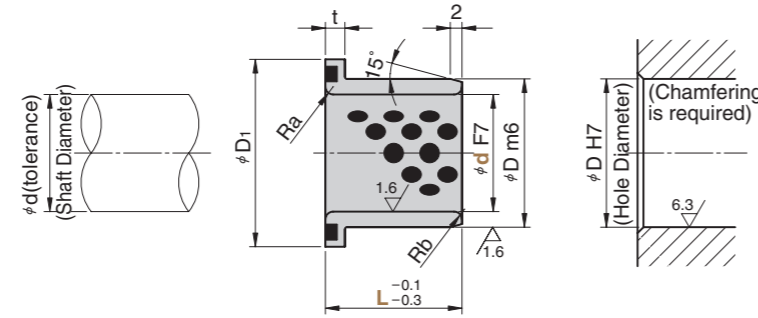
Oilless Thrust Bush

Bronze · I.D. F7 · O.D. m6 Type

SO#50SP2

RoHS

SOBB



● Sliding Direction



● Mating post tolerance

- d8: General use (high load)
- e7: General use (light load)
- f7: High precision

● 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.

⚠ 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.

Material
Base Bronze with Graphite(SP2)
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

■ Physical Properties

Specific Gravity g/cm ³	Hardness HB	Elongation %	Tensile Strength N/mm ²	Linear Expansion Coefficient ×10 ⁻⁵ /°C
7.9	210 or more	12 or more	755 or more	1.9

d F7	D m6	D ₁	t	Ra	Rb	Catalog No.	d	L
12	18	25	4		1		12	15
16	22	30					16	20
20	28	36					20	25
25	33	43	5	2		SOBB	25	30
30	38	48			2		30	35
40	50	60					40	45
50	62	75	6				50	55
60	75	90	7	3			60	65

Order Catalog No. **SOBB** d **20** - L **25**

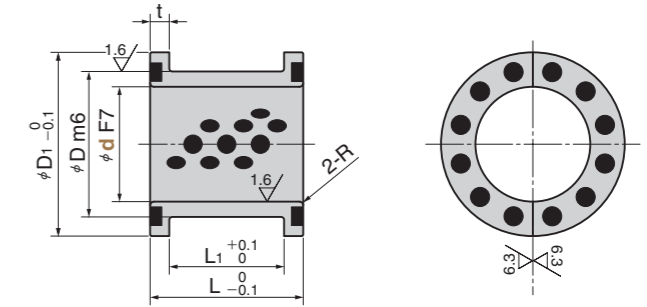
Oilless Thrust Bush

Split Bushing

SO#50SP2

RoHS

SOBBD



⚠ Solid lubricant is not through only for d=50.

● Sliding Direction



● Inner diameter tolerance (in case housing hole H7)

- Before press-fit: F7
- After press-fit: H7

● Mating post tolerance

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

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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	4	2		25
30	38	48	30	40	1.5	1.5	SOBBD	30
40	50	60	40	50	5	1.5		40
50	62	68	50	60	2	2		50

Order Catalog No. **SOBBD** D **25**