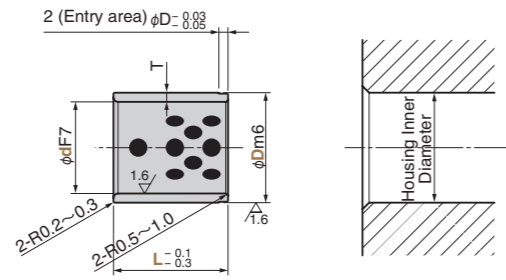


# Oilless Bush

Copper Alloy  
Straight Thin Type  
SO#50SP2



SOBU



● Sliding Direction



● Mating post tolerance

- d8 : General use (high load)
- e7 : General use (light load)
- f8 : High precision

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

### Operation Range

Lubricant Type	Lubricating Condition	Environment Condition	Max. Allowable Load P N/mm <sup>2</sup>	Max. Allowable Sliding Speed V m/min	Max. Allowable PV value N/mm <sup>2</sup> · 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 <sup>2</sup>	Linear Expansion Coefficient × 10 <sup>-5</sup> /°C
7.9	210 or more	12 or more	755 or more	1.9

d F7	D m6	Housing		Thickness T	Catalog No.	d	D	L
		I.D.	H7					
6	8	8	8	1	SOBU	6	8	8
								10
								12
8	10	10	10	1	SOBU	8	10	15
								20
								25
10	12	12	12	1	SOBU	10	12	15
								20
								25
12	15	15	15	1	SOBU	12	15	20
								25
								30
13	16	16	16	1.5	SOBU	13	16	15
								20
								25
15	18	18	18	1.5	SOBU	15	18	10
								12
								15

d F7	D m6	Housing		Thickness T	Catalog No.	d	D	L
		I.D.	H7					
16	20	20	20	2	SOBU	16	20	10
								12
								15
18	22	22	22	2	SOBU	18	22	20
								25
								30
20	24	24	24	2	SOBU	20	24	15
								20
								25
25	29	29	29	2	SOBU	25	29	15
								20
								25
30	34	34	34	2	SOBU	30	34	15
								20
								25
35	40	40	40	2	SOBU	35	40	20
								25
								30
40	45	45	45	2.5	SOBU	40	45	20
								25
								30
50	55	55	55	2.5	SOBU	50	55	20
								25
								30

Order **Catalog No.** **SOBU** **d** - **D** - **L**  
**SOBU 10 - 12 - 15**

### 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.

■ Special order products are available in limited quantities. Contact your sales representative.