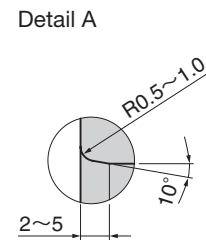
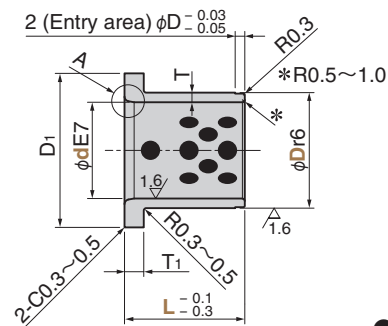


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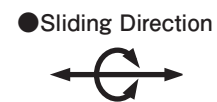
Copper Alloy
Thin Flange Type
SO#50SP2



SOBFU



- Mating post tolerance
d8 : General use (high load)
e7 : General use (light load)
f7 : 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 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 × 10 ⁻⁵ /°C
7.9	210 or more	12 or more	755 or more	1.9

d E7	D r6	D1	T	T1	Tolerance d after press-fit	Catalog No.	d	D	L
5	7	11					5	7	10
					+0.017 +0.005				12
6	8	12					6	8	12
					+0.028 +0.019				15
									10
8	10	14	1	2	+0.023 +0.008		8	10	12
									15
									20
10	12	16			+0.020 +0.004		10	12	12
									15
									20
									10
									12
12	15	21					12	15	15
									20
					+0.034 +0.023				25
									30
13	16	22	1.5		+0.030 +0.011		13	16	12
									15
									20
									10
									12
15	18	24		3			15	18	15
									20
									25
									12
									15
16	20	26			+0.025 +0.006		16	20	20
									25
									30
									15
									20
20	24	32	2				20	24	25
									30
					+0.036 +0.014				40
									30
25	29	37		4			25	29	40
									50
									30
30	34	42			+0.031 +0.009		30	34	40
									50

※ Values shown in the "Tolerance d after press-fit" column are provided for reference.

Order **Catalog No.** **SOBFU** **d** **20** **—** **D** **24** **—** **L** **30**

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.