

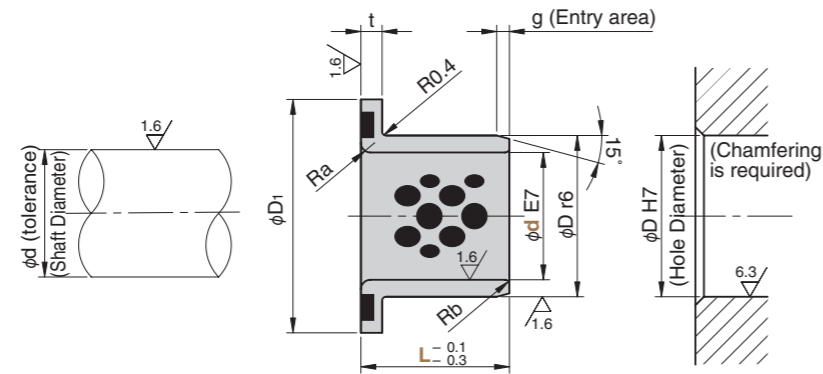
Oilless Thrust Bush

Copper Alloy I.D.
E7· O.D. r6 Type

SO#50SP2



SOSB



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

● Sliding Direction



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 (Mechanical Features)

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	D ₁	t	Ra	Rb	g	Tolerance d after press-fit	Catalog No.	d	L
12	18	+0.034 +0.023	30				+0.035 +0.016		12	11
15	21		35	3					15	13
16	22		40	1	1		+0.028 +0.009		16	13
18	24	+0.041 +0.028	45						18	18
20	28		50				+0.039 +0.017		20	20
25	33		55	5			+0.034 +0.012		25	25
30	38		65	2		2			30	25
35	44	+0.050 +0.034	70				+0.048 +0.022	SOSB	35	25
40	50		75	7	3		+0.045 +0.019		40	27
50	62	+0.060 +0.041	90	8	2		+0.038 +0.012		50	37
60	74	+0.062 +0.043	110				+0.052 +0.021		60	47
70	85	+0.073 +0.051	120	10	3	3	+0.045 +0.014		70	58
80	96		140						80	68
									80	80
									80	60
									80	90



Order

Catalog No. **SOSB** d **16** - L **13**

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.