

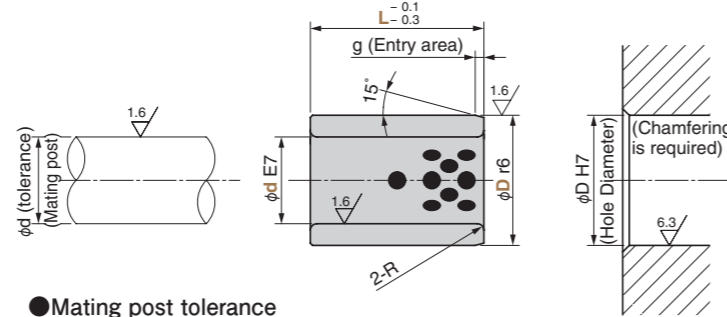
Oilless Bush

Copper Alloy Straight Type
For Under Water

SO#50SP2



SOBM



- Mating post tolerance
d8 : General use
b9 : High load under water

● Sliding Direction



Material Base Copper alloy (SO-2)
Solid lubricant (GR-9)

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-9	No lubrication	Under water	50	15	100	-50 ~ +80

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	R	g	Tolerance d after press-fit	Catalog No.	d	D	L
20	30	+0.041	2	+0.042	SOBM	20	30	20
		+0.028						30
25	35	2	2	+0.034	SOBM	25	35	20
								25
		1						30
								40
30	40	2	2	+0.034	SOBM	30	40	20
								25
		1						30
								40
35	45	2	2	+0.048	SOBM	35	45	20
								25
		1						30
								40
40	50	2	2	+0.045	SOBM	40	50	20
								25
		1						30
								40

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

d E7	D r6	R	g	Tolerance d after press-fit	Catalog No.	d	D	L
40	55	2	2	+0.043	SOBM	40	55	40
								50
45	60	3	3	+0.038	SOBM	45	60	30
								40
		2						50
								60
50	65	3	3	+0.043	SOBM	50	65	40
								50
		2						60
								70
55	70	2	2	+0.056	SOBM	55	70	40
								50
		2						60
								70
60	75	3	3	+0.052	SOBM	60	75	50
								60
		2						70
								80
65	80	3	3	+0.052	SOBM	65	80	60
								70
		2						70
								80
70	90	3	3	+0.050	SOBM	70	90	60
								70
		2						80
								90
75	95	3	3	+0.073	SOBM	75	95	60
								70
		2						80
								90
80	100	3	3	+0.045	SOBM	80	100	60
								70
		2						80
								90
90	110	3	3	+0.059	SOBM	90	110	60
								70
		2						80
								90
100	120	3	3	+0.076	SOBM	100	120	60
								70
		2						80
								90
110	130	3	3	+0.088	SOBM	110	130	60
								70
		2						80
								90
120	140	3	3	+0.051	SOBM	120	140	60
								70
		2						80
								90
130	150	3	3	+0.067	SOBM	130	150	60
								70
		2						80
								90
140	160	3	3	+0.067	SOBM	140	160	60
								70
		2						80
								90
150	170	3	3	+0.064	SOBM	150	170	60
								70
		2						80
								90

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



Order

Catalog No. **SOBM** d **50** - D **65** - L **40**

⚠ Products with a d value of 110, 120, 130, 140, or 150 are available on a built-to-order basis.

Other operating conditions and characteristics

- Can be used in under water.
- Good performance in operation under high load and at low speed.