

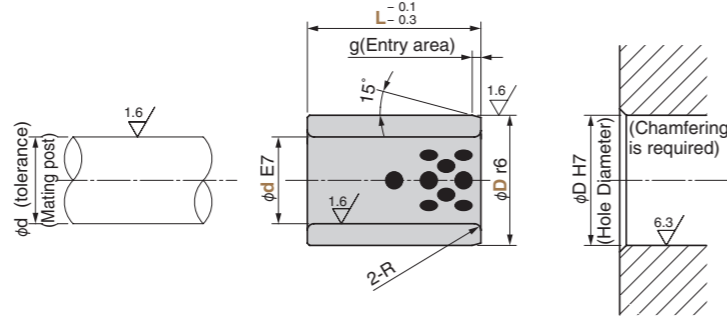
Oilless Bush

Copper Alloy Straight Type
For Under Water

SO#50SP2



SOBM



● Sliding Direction ● Mating post tolerance
 ← →
 d8 : General use
 b9 : High load under water

● Other operating conditions and characteristics
 Can be used in under water.
 Good performance in operation under high load and at low speed.

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

NETIS registration technology (Registration No.: KT-070008-A)

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



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.

※ 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
20	30	1			SOBM	20	30	20
		2		+0.042 +0.020				30
25	35	1			SOBM	25	35	20
		2						25
30	40	1		+0.034 +0.012	SOBM	30	40	25
		2	2					30
35	45	1			SOBM	35	45	40
		2		+0.048 +0.022				40
40	50	1		+0.050 +0.034	SOBM	40	50	50
		2						50
40	50	1			SOBM	40	50	30
		2		+0.045 +0.019				30

※ 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				SOBM	40	55	40
				+0.043 +0.017				50
45	60	2	2		SOBM	45	60	30
								60
50	65	3	3	+0.038 +0.012	SOBM	50	65	40
								50
55	70	2	2		SOBM	55	70	60
				+0.043 +0.017				60
60	75	3	3	+0.056 +0.025	SOBM	60	75	50
								60
65	80	2	2	+0.062 +0.043	SOBM	65	80	70
								70
70	90	3	3	+0.052 +0.021	SOBM	70	90	80
								80
75	95	2	2	+0.090 +0.060	SOBM	75	95	60
								60
80	100	3	3	+0.073 +0.051	SOBM	80	100	70
								70
90	110	2	2	+0.045 +0.014	SOBM	90	110	80
								80
100	120	3	3	+0.050 +0.019	SOBM	100	120	90
								90
110	130	2	2	+0.076 +0.054	SOBM	110	130	100
								100
120	140	3	3	+0.088 +0.063	SOBM	120	140	60
								60
130	150	2	2	+0.059 +0.023	SOBM	130	150	80
								80
140	160	3	3	+0.088 +0.063	SOBM	140	160	100
								100
150	170	2	2	+0.107 +0.072	SOBM	150	170	110
								110
150	170	3	3	+0.090 +0.065	SOBM	150	170	120
								120
150	170	2	2	+0.125 +0.085	SOBM	150	170	130
								130
150	170	3	3	+0.093 +0.068	SOBM	150	170	140
								140
150	170	2	2	+0.067 +0.027	SOBM	150	170	150
								150
150	170	3	3	+0.064 +0.024	SOBM	150	170	160
								160