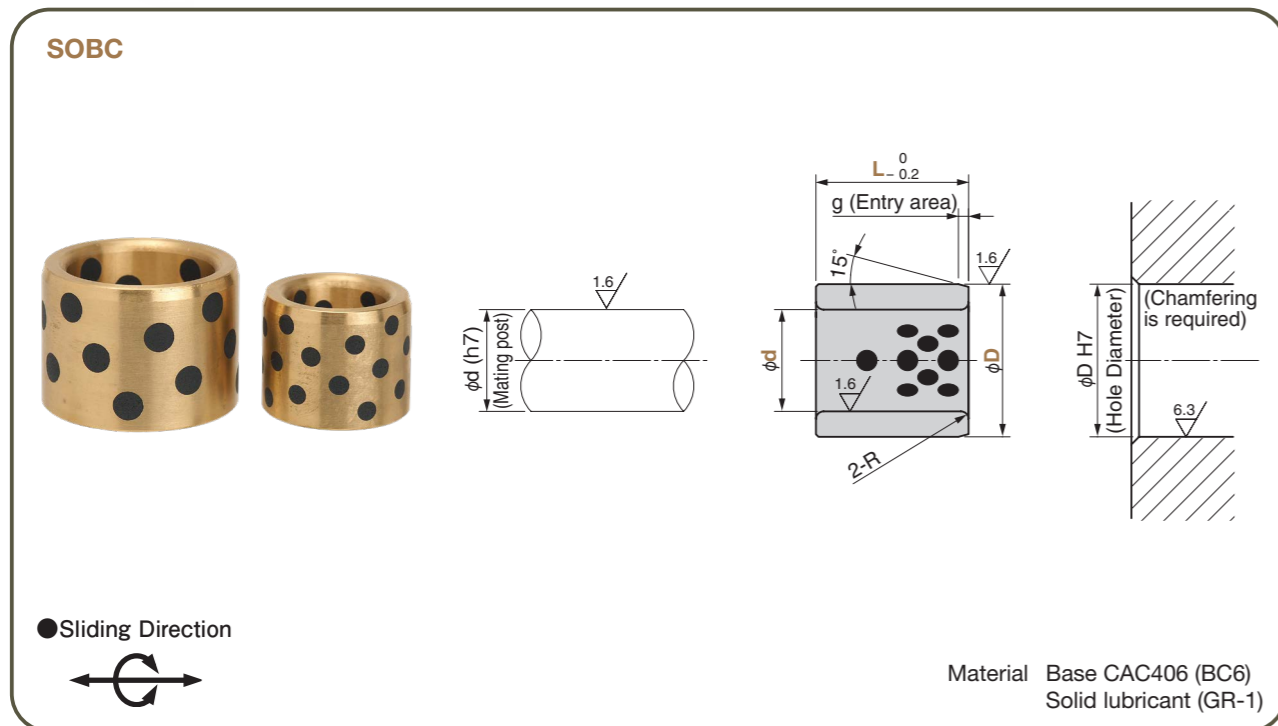


# Oilless Bushing

Bronze Castings  
Straight Type  
SO#50B



## 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	50	25	60	-50 ~ +300
	Regular lubrication (Grease)			50	100	-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
8.7	60 or more	15 or more	195 or more	1.8

d	D	R	g	Tolerance d after press-fit	Catalog No.	d	D	L
20	30	2		+0.083 +0.049		20	30	20
						25	30	30
						30	30	30
25	35	1				25	35	20
						30	35	30
						40	35	40
30	40			+0.074 +0.040		30	40	25
						35	40	30
						40	40	40
32	42	2		+0.059 +0.034	SOBC	32	42	30
						35	42	30
						40	42	40
35	45			+0.113 +0.073		35	45	30
						40	45	40
						50	45	40
35	48					35	48	30
						40	48	40
						50	48	40

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

d	D	R	g	Tolerance d after press-fit	Catalog No.	d	D	L
40	50			+0.109 +0.069		40	50	30
						40	50	40
						40	50	50
45	55	2	2	+0.106 +0.066		45	55	40
						45	55	40
						45	55	50
50	60			+0.101 +0.061		50	60	40
						50	60	50
						50	60	60
55	65			+0.106 +0.066		55	65	40
						55	65	50
						55	65	60
60	70			+0.101 +0.061		60	70	40
						60	70	50
						60	70	60
65	75			+0.106 +0.066		65	75	40
						65	75	50
						65	75	60
70	80			+0.151 +0.104		70	80	40
						70	80	50
						70	80	60
75	85			+0.145 +0.098	SOBC	75	85	40
						75	85	50
						75	85	60
80	90			+0.137 +0.090		80	90	40
						80	90	50
						80	90	60
85	95			+0.143 +0.097		85	95	40
						85	95	50
						85	95	60
90	100			+0.143 +0.097		90	100	40
						90	100	50
						90	100	60
95	105			+0.137 +0.090		95	105	40
						95	105	50
						95	105	60
100	110			+0.189 +0.134		100	110	40
						100	110	50
						100	110	60
100	115			+0.187 +0.132		100	115	40
						100	115	50
						100	115	60
100	120			+0.187 +0.132		100	120	40
						100	120	50
						100	120	60
100	125			+0.193 +0.138		100	125	40
						100	125	50
						100	125	60
100	125			+0.189 +0.134		100	125	40
						100	125	50
						100	125	60

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

Order **Catalog No.** **d** - **D** - **L**  
SOBC 32 - 42 - 40

## 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.