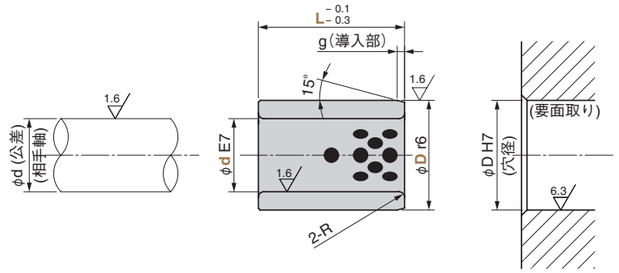
# オイルレスブッシュ

銅合金ストレートタイプ
水中用

SO#50SP2

RoHS

## SOBM




●スライド方向

●相手軸公差

d8：一般用
b9：高荷重・水中用

●その他の使用条件・特性

- 水中にて使用できます。
- 高荷重、低速運転で性能を発揮します。

材質　母材　銅合金(SO-2)
固体潤滑剤（GR-9）

### 使用範囲

| 潤滑剤の種類 | 給油条件 | 環境条件 | 許容最高面圧 P N/mm² | 許容最高速度 V m/min | 許容最高 PV値 N/mm²・m/min | 使用温度範囲 ℃ |
|---|---|---|---|---|---|---|
| GR-9 | 無給油 | 水中 | 50 | 15 | 100 | −50 ～+80 |

### 物性

| 密　度 g/cm³ | 硬　さ HB | 伸　び % | 引張強さ N/mm² | 線膨張係数 ×10⁻⁵/℃ |
|---|---|---|---|---|
| 7.9 | 210以上 | 12以上 | 755以上 | 1.9 |

Order

| Catalog No. | d | — | D | — | L |
|---|---|---|---|---|---|
| SOBM | 50 | — | 65 | — | 40 |

⚠ d＝110、120、130、140、150は受注生産です。

※圧入後d公差は参考値です。

| d E7 | | D r6 | | R | g | 圧入後d 公差 | Catalog No. | d | D | L |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 1 | | | | | | 20 |
| 20 | | 30 | +0.041 +0.028 | 2 | | +0.042 +0.020 | | 20 | 30 | 30 |
| | | | | | | | | | | 40 |
| | | | | 1 | | | | | | 20 |
| | | | | | | | | | | 25 |
| 25 | | 35 | | 2 | | | | 25 | 35 | 30 |
| | +0.061 +0.040 | | | | | | | | | 40 |
| | | | | | | +0.034 +0.012 | | | | 50 |
| | | | | 1 | | | | | | 20 |
| | | | | | | | | | | 25 |
| 30 | | 40 | | 2 | | | | 30 | 40 | 30 |
| | | | | | 2 | | SOBM | | | 40 |
| | | | +0.050 +0.034 | | | | | | | 50 |
| | | | | 1 | | | | | | 20 |
| | | | | | | | | | | 30 |
| 35 | | 45 | | | | +0.048 +0.022 | | 35 | 45 | 35 |
| | | | | | | | | | | 40 |
| | +0.075 +0.050 | | | | | | | | | 50 |
| | | | | 2 | | | | | | 60 |
| | | | | | | | | | | 30 |
| 40 | | 50 | | | | +0.045 +0.019 | | 40 | 50 | 40 |
| | | | | | | | | | | 50 |
| | | | | | | | | | | 60 |

※圧入後d公差は参考値です。

| d E7 | | D r6 | | R | g | 圧入後d 公差 | Catalog No. | d | D | L |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | 40 |
| 40 | | 55 | | | | | | 40 | 55 | 50 |
| | | | | | | +0.043 +0.017 | | | | 60 |
| | | | | 2 | 2 | | | | | 30 |
| 45 | | | | | | | | 45 | 60 | 50 |
| | | | | | | | | | | 60 |
| | +0.075 +0.050 | 60 | +0.060 +0.041 | | | | | | | 40 |
| | | | | 3 | 3 | +0.038 +0.012 | | 60 | | 50 |
| | | | | | | | | | | 60 |
| 50 | | | | 2 | 2 | | | 50 | | 40 |
| | | 65 | | | | +0.043 +0.017 | | | 65 | 50 |
| | | | | 3 | 3 | | | | | 60 |
| | | | | | | | | | | 70 |
| | | | | 2 | 2 | | | | | 40 |
| 55 | | 70 | | | | +0.056 +0.025 | | 55 | 70 | 60 |
| | | | | | | | | | | 70 |
| | | | | | | | | | | 50 |
| 60 | | 75 | +0.062 +0.043 | | | | | 60 | 75 | 60 |
| | | | | | | +0.052 +0.021 | | | | 70 |
| | | | | | | | | | | 80 |
| | | | | | | | | | | 60 |
| 65 | | 80 | | | | | | 65 | 80 | 70 |
| | | | | | | | | | | 80 |
| | +0.090 +0.060 | | | | | | | | | 60 |
| | | | | | | | | | | 70 |
| 70 | | 90 | | | | | | 70 | 90 | 80 |
| | | | | | | +0.050 +0.019 | | | | 90 |
| | | | | | | | SOBM | | | 100 |
| 75 | | 95 | +0.073 +0.051 | | | | | 75 | 95 | 70 |
| | | | | | | | | | | 100 |
| | | | | | | | | | | 60 |
| | | | | | | | | | | 80 |
| 80 | | 100 | | | | +0.045 +0.014 | | 80 | 100 | 90 |
| | | | | | | | | | | 100 |
| | | | | 3 | 3 | | | | | 110 |
| | | | | | | | | | | 60 |
| 90 | | 110 | | | | | | 90 | 110 | 80 |
| | | | | | | | | | | 90 |
| | | | +0.076 +0.054 | | | +0.059 +0.023 | | | | 100 |
| | | | | | | | | | | 60 |
| 100 | +0.107 +0.072 | 120 | | | | | | 100 | 120 | 80 |
| | | | | | | | | | | 100 |
| | | | | | | | | | | 120 |
| 110 | | 130 | | | | | | 110 | 130 | 100 |
| | | | | | | | | | | 110 |
| | | | +0.088 +0.063 | | | +0.051 +0.016 | | | | 80 |
| 120 | | 140 | | | | | | 120 | 140 | 100 |
| | | | | | | | | | | 120 |
| | | | | | | | | | | 100 |
| 130 | | 150 | | | | | | 130 | 150 | 130 |
| | | | +0.090 +0.065 | | | +0.067 +0.027 | | | | 150 |
| 140 | +0.125 +0.085 | 160 | | | | | | 140 | 160 | 100 |
| | | | | | | | | | | 140 |
| 150 | | 170 | +0.093 +0.068 | | | +0.064 +0.024 | | 150 | 170 | 100 |
| | | | | | | | | | | 150 |





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