


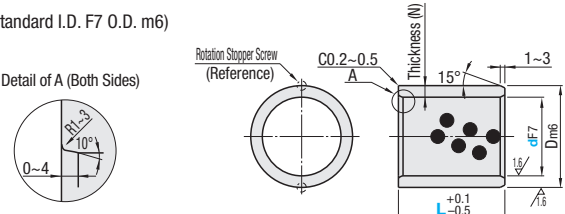
**Points on Comparing Similar Products** | If you use it for medium-precision positioning, mid-to-low load weight, and mid-to-low frequency movement, consider from the C-VALUE Product series.

**Features:** Copper Alloy Bushings in general use.

**Standard**



**C-MPBZ** (Standard I.D. F7 O.D. m6)



⚠ Recommended Mating Shaft for I.D. F7 Type    d8: General Use (Medium Load)  
 e7: General Use (Light Load)  
⚠ Use of Rotation Stopper Screws is recommended to affix bushings.

f8: Medium Precision Use    g6: Medium Precision Use (Intermittent Operation)    M Material: High Tensile Brass Alloy  
 Solid Lubricant Embedded

| Part Number |     | L      |    |    |    |    |    |    |    |    |    | Dm6 | Thickness (N) | Housing Dia. (Recommended Dimension) |                | Rotation Stopper Screw (Reference)* |  |
|-------------|-----|--------|----|----|----|----|----|----|----|----|----|-----|---------------|--------------------------------------|----------------|-------------------------------------|--|
| Type        | df7 |        |    |    |    |    |    |    |    |    |    |     |               | Standard Dimension                   | Tolerance (H7) |                                     |  |
| C-MPBZ      | 8   | +0.033 | 8  | 10 | 12 | 15 |    |    |    |    | 12 | 2   | 12            | +0.018<br>0                          | M4x8           |                                     |  |
|             | 10  | +0.008 | 8  | 10 | 12 | 15 | 16 | 20 | 14 | 14 |    |     |               |                                      |                |                                     |  |
|             | 12  |        | 10 | 12 | 15 | 16 | 20 | 25 | 30 | 18 | 18 |     |               |                                      |                |                                     |  |
|             | 13  |        | 10 | 12 | 15 | 20 | 25 | 30 | 19 | 19 |    |     |               |                                      |                |                                     |  |
|             | 15  | +0.039 | 10 | 12 | 15 | 16 | 20 | 25 | 30 | 35 | 21 | 3   | 21            | +0.021<br>0                          |                |                                     |  |
|             | 16  | +0.011 | 10 | 12 | 15 | 16 | 20 | 25 | 30 | 35 | 40 |     | 22            |                                      |                | 22                                  |  |
|             | 18  |        | 12 | 15 | 20 | 25 | 30 | 35 | 40 | 24 | 24 |     |               |                                      |                |                                     |  |
|             | 20  |        | 10 | 12 | 15 | 16 | 20 | 25 | 30 | 35 | 40 | 50  | 28            | 4                                    | 28             | M5x8                                |  |
|             | 25  | +0.046 | 12 | 15 | 16 | 20 | 25 | 30 | 35 | 40 | 50 | 60  | 33            |                                      | 33             |                                     |  |
|             | 30  | +0.015 | 12 | 15 | 20 | 25 | 30 | 35 | 40 | 50 | 60 | 38  | 38            |                                      |                |                                     |  |
|             | 35  |        | 20 | 25 | 30 | 35 | 40 | 50 | 60 | 70 | 44 | 4.5 | 44            | +0.025<br>0                          | M6x16          |                                     |  |
|             | 40  | +0.055 | 20 | 25 | 30 | 35 | 40 | 50 | 60 | 70 | 80 |     | 50            |                                      |                | 50                                  |  |
|             | 50  | +0.020 | 30 | 40 | 50 | 60 | 70 | 80 | 62 | 62 |    |     |               |                                      |                |                                     |  |
|             |     |        |    |    |    |    |    |    |    |    |    |     |               |                                      |                |                                     |  |

|                                    | Existing Products<br>Copper Alloy |              | C-VALUE Products<br>Copper Alloy |              |
|------------------------------------|-----------------------------------|--------------|----------------------------------|--------------|
|                                    | Regular                           | Unlubricated | Regular                          | Unlubricated |
| Maximum Allowable Surface Pressure | 29.0 (98.0) N/mm <sup>2</sup>     |              | 20.3 (68.6) N/mm <sup>2</sup>    |              |
|                                    | 296 (1000) kgf/cm <sup>2</sup>    |              | 207.2 (700) kgf/cm <sup>2</sup>  |              |
| Maximum Allowable Velocity         | 1.00m/s                           | 0.5m/s       | 0.7m/s                           | 0.35m/s      |
|                                    | 60m/min                           | 30m/min      | 42m/min                          | 21m/min      |

Value in ( ) is the allowable static surface pressure.

| Part Number | Type | d | Unit Price |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-------------|------|---|------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|             |      |   | L8         | L10 | L12 | L15 | L16 | L20 | L25 | L30 | L35 | L40 | L50 | L60 | L70 | L80 |
| C-MPBZ      | 8    |   |            |     |     |     |     |     |     |     |     |     |     |     |     |     |
|             | 10   |   |            |     |     |     |     |     |     |     |     |     |     |     |     |     |
|             | 12   |   |            |     |     |     |     |     |     |     |     |     |     |     |     |     |
|             | 13   |   |            |     |     |     |     |     |     |     |     |     |     |     |     |     |
|             | 15   |   |            |     |     |     |     |     |     |     |     |     |     |     |     |     |
|             | 16   |   |            |     |     |     |     |     |     |     |     |     |     |     |     |     |
|             | 18   |   |            |     |     |     |     |     |     |     |     |     |     |     |     |     |
|             | 20   |   |            |     |     |     |     |     |     |     |     |     |     |     |     |     |
|             | 25   |   |            |     |     |     |     |     |     |     |     |     |     |     |     |     |
|             | 30   |   |            |     |     |     |     |     |     |     |     |     |     |     |     |     |
|             | 35   |   |            |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 40          |      |   |            |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 50          |      |   |            |     |     |     |     |     |     |     |     |     |     |     |     |     |


**Ordering Example**    Part Number - L    C-MPBZ10 - 15

