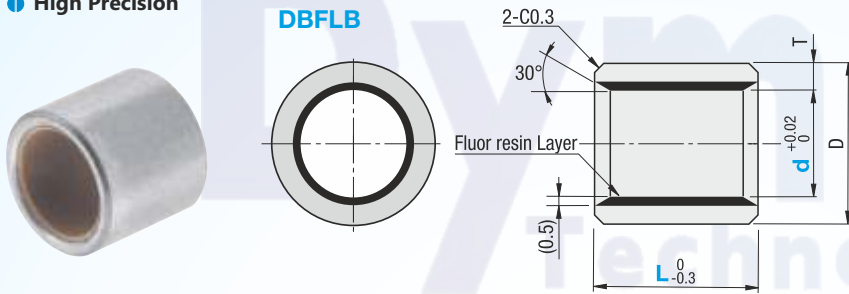


# Oil Free Bushings - High Precision



- **Features:** More precise linear and rotary motion compared to Multi-Layer LF Bushings - Straight (MDZB) can be achieved by keeping the clearance between bushings and g6 shafts small

- **High Precision**



- BFLB is specifically effective if the mating material is soft such as stainless steel, aluminum, brass, etc. (Soft mating material is hardly damaged.)
- Excels in relative wear amount:  $1.6 \times 10^{-2} \text{ mm}^2/\text{N} \cdot \text{m}$  and abrasion resistance. (It varies depending on condition of use.)

**M Material:** Base Material: A2017  
Sliding Material: Fluororesin  
\* Base and sliding materials are bonded.  
Allowable Temperature -50~140°C

Part Number		L	D	Tolerance	T
Type	d				
DBFLB	3	3 4 5 6 8	6	0 - 0.015	1.5
	4	3 4 5 6 8 10	7		
	5	3 4 5 6 8 10	8		
	6	3 4 5 6 8 10 12	9		
	8	6 8 10 12 15	11		
	10	6 8 10 12 15 20	13		
	12	6 8 10 12 15 20	15		
	13	8 10 12 15 20	16		
	15	8 10 12 15 20	18		
	16	10 12 15 20 25	19		
	18	10 12 15 20 25	21		
	20	10 12 15 20 25	23	0 - 0.020	

Part Number		Recommended Mating Material Dimension					
Type	d	Shaft O.D. (mm)	Tolerance Class	Tolerance (µm)	Housing Dia. (mm)	Tolerance Class	Tolerance (µm)
DBFLB	3	3	f8	0.3	6	F7	0.454545455
	4	4		0.357142857	7		0.464285714
	5	5		0.357142857	8		0.464285714
	6	6		0.357142857	9		0.464285714
	8	8		0.371428571	11		0.470588235
	10	10		0.371428571	13		0.470588235
	12	12		0.372093023	15		0.470588235
	13	13		0.372093023	16		0.470588235
	15	15		0.372093023	18		0.470588235
	16	16		0.372093023	19		0.487804878
	18	18		0.372093023	21		0.487804878
	20	20		0.377358491	23		0.487804878

- **Basic Specifications**

- **Type** - Straight
- **Maximum Allowable Velocity (m/s)**- 3.33
- **Operating Temperature Range (°C)** - -50::140
- **Max. Allowable PV Value (N/mm2·m/s)**- 0.98
- **Multi-layer-** Fluororesin is bonded on the base material (Aluminium Alloy 2000 series).
- **Max. Allowable PV Value Range (N/mm2 · m/s).**- 0.3~1.0
- **Max. Allowable Surface Pressure P (N/mm2)** - 6

## ORDERING GUIDE



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