

Multi-Layer Oil-Free Bushings

Code	Type	Material				Surface Treatment	Allowable Temperature
		Steel Back Metal	Middle Layer		Surface Layer		
OFV01	Straight	GB	Equiv.				
OFV02	Shouldered	SPCC	SPCC	Bronze Powder	PTFE	Tin Plating	-180~280°C



Features

- Self-lubricating, maintenance-free, with a stable low friction coefficient under heavy load and low-speed movement.
- Excellent wear-resistance, applicable for linear and rotary movement.
- High and low temperature resistance.

Product Lifetime description:

- Once the PTFE layer is worn, the shaft and the intermediate layer will begin to contact each other and operate.
- If the equipment does not have high requirements for precision and lubrication, it can continue to rely on the intermediate layer for work.

Noise occurs during product operation:

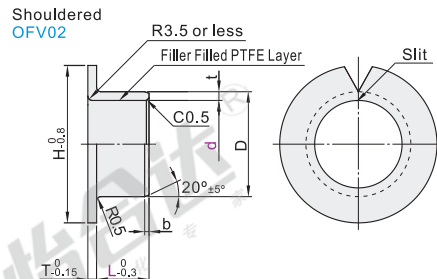
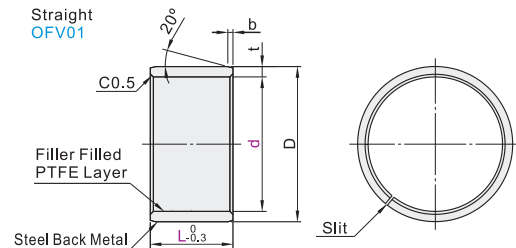
- Once the PTFE layer is worn out, noise will occur when it contacts with the intermediate layer and operate.
- There is dirt and foreign matter on the inner wall of the bushing.
- If the shaft has a large eccentric load, it will cause abnormal noise when it contacts with the chamfer of the bushing.

① The Shaft diameter tolerance that matches this product: e7 (for reference only).

② When the product is pressed into the seat hole, put on a little lubricating oil on the end or inner wall of the seat hole, and use a hydraulic press or vise to slowly press it into the seat hole. Do not hit the product hard to avoid deformation of the product.

③ This product is an open-type product. Under normal conditions, do not measure directly with a caliper. The product needs to be pressed into a standard ring gauge and measured with a go/no-go gauge (after the product is pressed into the ring gauge, the outer diameter of the product may cause permanent deformation and cannot be used).

④ There are some differences in the appearance of the product, which is normal and does not affect the normal use of the product.



① The Tolerance of housing diameter matching with this product: H7 (for reference only).

The first perspective

Part Number		L					OFV01					OFV02					Shaft Diameter		I.D. after Press-Fit Tolerance
Code	d						D	t	b	D	H	t/T	t (ToI.)	b	Ref. Dim.	Tolerance			
Straight OFV01	3	3 4 5 (6)	5	+0.047 +0.017			4.6	7	0.8		3	-0.025 -0.034	+0.062 0						
	4	3 4 5 6 (8)	6				5.6	9			4								
	5	3 4 5 6 8	7				7	10			5	-0.025 -0.037							
	6	3 4 5 6 8 10 12	8	+0.055 +0.025			8	12			6		+0.065 0						
	8	3 4 5 6 8 10 12 15	10				10	15			8	-0.025 -0.040							
	10	5 6 8 10 12 15 20	12				12	18		0 -0.025	10								
	12	5 6 8 10 12 15 20	14	+0.060 +0.030	1.0	±0.025	0.3	14	20	1.0	0.3	12							
	13	5 6 8 10 12 15 20	15				15	21			13		+0.068 0						
	15	5 6 8 10 12 15 20 25 30	17	+0.065 +0.035			17	23			15	-0.025 -0.043							
	Shouldered OFV02	16	8 10 12 15 20 25 30	18	+0.070 +0.035			18	24			16							
18		8 10 12 15 20 25 30 35	20	+0.075 +0.040			20	26			18		+0.071 0						
20		8 10 12 15 20 25 30 35	23				23	31			20								
22		8 10 12 15 20 25 30 35 40	25	+0.080 +0.045	1.5		0.5	25	33	1.5	0.5	22	-0.025 -0.046	+0.081 0					
25		10 12 15 20 25 30 35 40 (50)	28	+0.085 +0.050			28	36		0 -0.030	25								
30		10 12 15 20 25 30 35 40 50	34	+0.090 +0.050		±0.030	34	42			30								
35		10 12 15 20 25 30 35 40 50	39	+0.095 +0.055	2.0		0.8	39	49	2.0		35		+0.085 0					
40		10 12 15 20 25 30 35 40 50 60	44				44	54			0.8	40	-0.025 -0.050						
50		12 15 20 25 30 35 40 50 60	55	+0.105 +0.060	2.5	±0.040		55	65	2.5	0 -0.040	50		+0.110 0					

① L dimensions in () are available for OFV01 only.

② Shaft diameters are recommended dimensions.

③ OFV01/02 is a rolled bushing with a slit. Indicated values of D tolerance are reference after press fitted into ring gauge (±0.002).



Please order as shown

Part Number		L	
Code	d		
OFV01	4	3 4 5	
	5	3 4 5	

OFV01—d5—L4



Discount price	
Per	1~9 10~
Price	100% Additional quotation



Delivery	
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