

Standard Type

-Built-In Copper Alloy Bushings Single / Double / Long Type-

■ Features: Suitable for vertical use. Reduces the time of manufacturing and assembling the housing.



Ordering Example

Part number (Type-d)

MFMS6
MFMS-S6

Standard Type



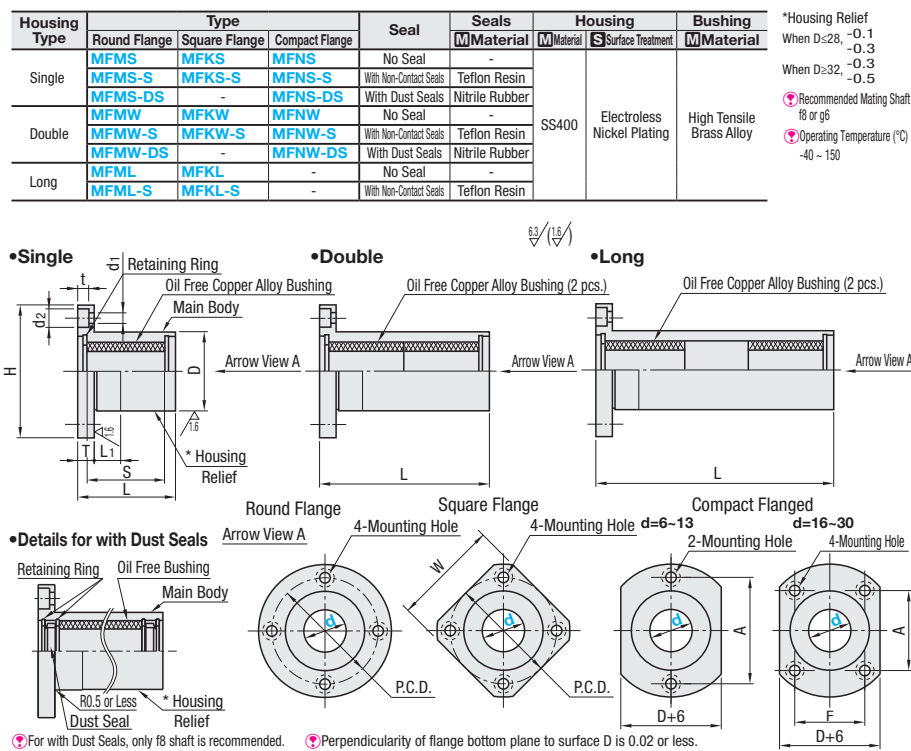
(With Non-Contact Seals)



(With Dust Seals)



CAD 2D 3D



Part Number		L															
Type	d	Tolerance	D	Tolerance	No Seal-With Non-Contact Seals	With Dust Seals	L1	S	H	T	d1	d2	t	P.C.D.	W	F	A
• Single (No Seal)	6	+0.022 0	12	0 -0.018	22 37 52	- -	5	15 28	5 3.5	6 3.1	20 22	- 20					
	8	+0.028 0	15		27 47 67	- -		20 32			24 25	- 24					
	10	0	19			- -		25 40			29 30	- 29					
	12	+0.034 0	21	0 -0.021	32 57 82	- -		25 42	6 4.5	7.5 4.1	32 32	- 32					
	13		25			- -		25				-					
• Double (No Seal)	16*	0	28		37 67 97	45 75	10	30 48			38 37	22 31					
	20*	+0.041 0	32	0 -0.025	42 77 112	51 86		35 54			43 42	24 36					
	25*		40		58 108 158	70 120		50 62	8 5.5	9 5.1	51 50	32 40					
	30*	0	45		68 128 188	81 141		60 74			60 58	35 49					
	35	+0.050 0	52	0 -0.030	68 128	- -	15	60 82	10 6.6	11 6.1	67 64	- -					
• Long (No Seal)	40		60		80 150	- -		70 96			78 75	- -					
	40		80		90 170	- -		80 116	13 9	14 8.1	98 92	- -					

✳️ Height-Adjusting Spacers for Flanged Bushings can be selected from P. 238. ✳️ With Dust Seals are only available in * marked sizes.

■ Features of Dust Seal Type and Non-Contact Seal Type

- Contact Seals built into Dust Seal Type prevent small dust from sliding contact surface.
- For sliding resistance of Dust Seal Type, refer to Sliding Resistance Test Data.
- Employed Dust Seals are SER series of SAKAGAMI SEISAKUSHO LTD.
- With Non-Contact Seals are provided to prevent larger size dust entry. Clearance between shafts and bushings (approx. 0.1mm) lowers the sliding resistance than Dust Seal Type.

■ Dust Seals Sliding Resistance Test

d	Sliding Resistance (N)	SAKAGAMI SEISAKUSHO LTD. Dust Seal
16	6	SER16
20	7	SER20
25	8	SER25
30	12	SER30

✳️ Values are for reference only.

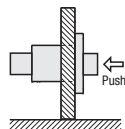
■ Test Conditions

- Tester: Push-Pull Gauge
- Bushing: Copper Alloy Type
- Shaft: MISUMI f8 shaft

■ Testing Method

Measured the load when the shaft started to move.

* Velocity 1mm/s approx.



Standard Type

-Built-In Copper Alloy Bushings Single / Double / Long Type-

■ Features: Suitable for vertical use. Reduces the time of manufacturing and assembling the housing.
Oil Free Bushings do not project from bushing mounting position. Saves space on the opposite side.

Ordering Example

Part number (Type-d)

MFIMS6
MFIMS-S6

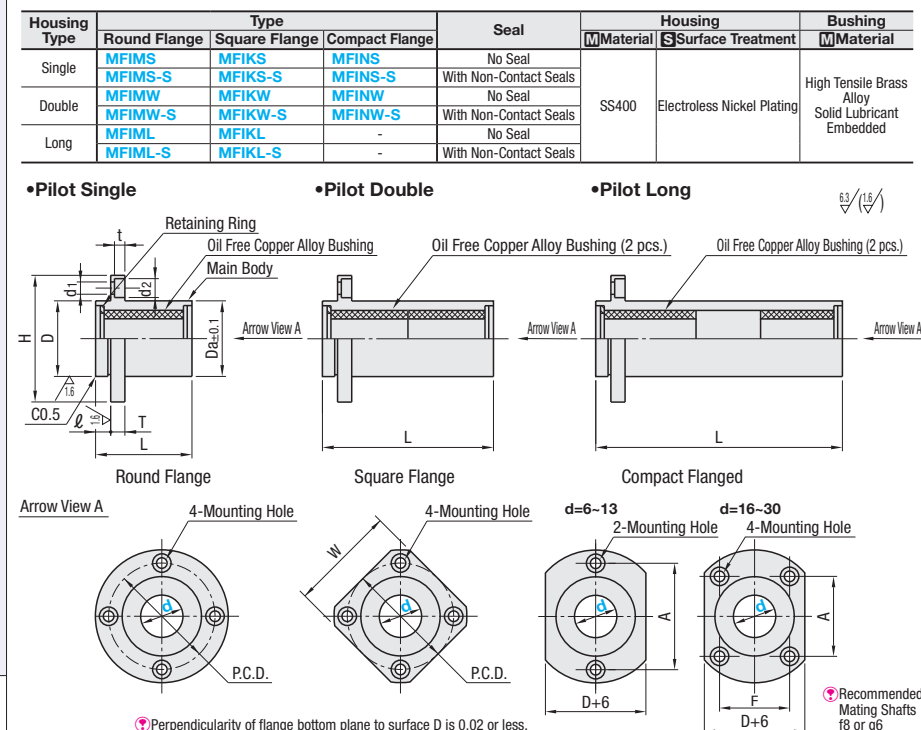
Standard Type



CAD 2D 3D

RoHS 10

* With Non-Contact Seals
Teflon seal of 0.3mm thick is
attached on the inner side of each
retaining ring.



Part Number					D	Tolerance	Da	L			ℓ	H	T	d1	d2	t	P.C.D.	W	F	A			
Type		d	Tolerance	Single				Double	Long														
• Single	(No Seal) (With Non-Contact Seals)	Round Flange	Square Flange	Compact Flange	6	+ 0.022 0	12	0 - 0.018	11.8	22	37	52	5	28	5	3.5	6	3.1	20	22	-	20	
		MFIMS	MFIKS	MFINS			15		14.8	27	47	67		24					25	24			
		MFIMS-S	MFIKS-S	MFINS-S			19		18.8			29		30					29				
		12	+ 0.034 0	21			0 - 0.021		20.8	32	57	82		42					32	32			
13	22.8					43		33	34	33													
16	28	27.8			37	67		97	48	38	37	22	31										
• Double	(No Seal) (With Non-Contact Seals)	MFIMW	MFKW	MFINW	20	+ 0.041 0	32	0 - 0.025	31.6	42	77	112	8	54	8	5.5	9	5.1	43	42	24	36	
		MFIMW-S	MFIKW-S	MFINW-S			25		39.6	58	108	158		62					51	50	32	40	
		30	45	44.6			68		128	188	74	60		58					35	49			
		35	52	51.6							82	67		64									
• Long	(No Seal) (With Non-Contact Seals)	MFIML	MFIKL		40	+ 0.050 0	60	0 - 0.030	59.6	80	150	-	13	96	13	9	14	8.1	78	75	-	-	
		MFIML-S	MFIKL-S	80			79.6		90	170	116			98					92				

✳️ For Features of Non-Contact Seal Type, refer to P. 281. ✳️ Flanged Height-Adjusting Spacers are selectable from P. 238.