


Oil Free Bushing Housing Units - Center Flanged / Oil Free Bushing Housing Units - Small Flanged

Built-In Copper Alloy Bushings

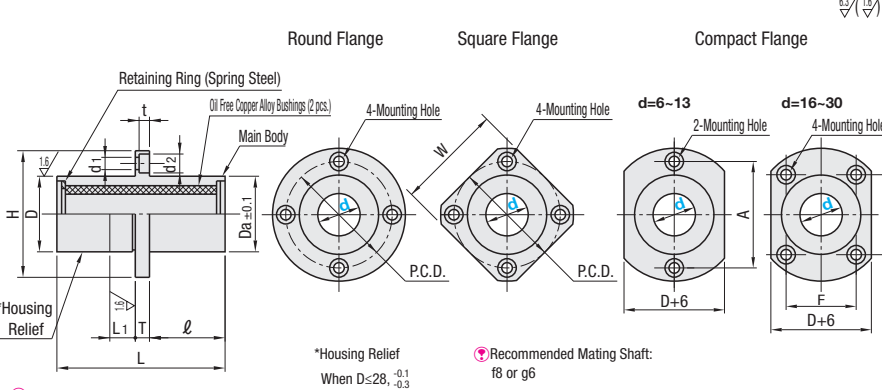
Feature: Suitable for vertical use. Reduces the time of manufacturing and assembling the housing.
Workpiece located near the center of the bushing provides balanced load and clearance on both sides of the flange.

Center Flanged



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

Type			Seal	Housing		Bushing
Round Flange	Square Flange	Compact Flange		Material	Surface Treatment	Material
MFCMW	MFCKW	MFCNW	No Seal	SS400	Electroless Nickel Plating	High Tensile Brass Alloy Solid Lubricant Embedded
MFCMW-S	MFCKW-S	MFCNW-S	With Non-Contact Seals			




Part Number

Type	d	Tolerance	D	Tolerance	Da	L	L1	ℓ	H	T	d1	d2	t	P.C.D.	W	F	A
Round Flange	6	+0.022 0	12	0	11.8	37	5	16	28	5	3.5	6	3.1	20	22	-	20
	8	+0.028 0	15	-0.018	14.8	47	5	21	32	5	4.5	7.5	4.1	24	25	-	24
	10	+0.028 0	19		18.8	40	5	25.5	42	6	4.5	7.5	4.1	29	30	-	29
Square Flange	12	+0.034 0	21	-0.021	20.8	57	10	30.5	48	6	5.5	9	5.1	32	32	-	32
	13	+0.034 0	23		22.8	43	10	33	46	6	5.5	9	5.1	33	34	-	33
	16	+0.034 0	28		27.8	67	10	38	50	6	5.5	9	5.1	38	37	22	31
Compact Flange	20	+0.041 0	32	-0.025	31.6	77	10	43	62	8	6.6	11	6.1	43	42	24	36
	25	+0.041 0	40		39.6	108	10	50	62	8	6.6	11	6.1	51	50	32	40
	30	+0.041 0	45		44.6	128	10	59	74	10	6.6	11	6.1	60	58	35	49

For Feature of With Non-Contact Seals, refer to P349. Flanged Height-Adjusting Spacers are selectable from P286.

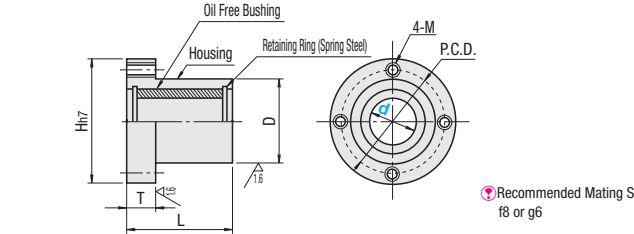
Feature: 5~8 mm smaller in flange diameter (H dimension) compared to conventional Flanged Oil Free Bushings. Suited for use in limited space.

Small Flanged



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

Type			Seal	Housing		Bushing
MFST	MFST-S			Material	Surface Treatment	Material
		No Seal		SS400	Electroless Nickel Plating	High Tensile Brass Alloy Solid Lubricant Embedded
		With Non-Contact Seals				



Part Number

Type	d	Tolerance	D	L	Hh7	T	M	P.C.D.
MFST	6	+0.022 0	12	22	23	6	M3	17
	8	+0.028 0	15	27	27	6	M3	21
	10	+0.013 0	19	32	34	6	M3	26
MFST-S	12	+0.034 0	21	37	37	8	M4	29
	13	+0.034 0	23	38	38	8	M4	30
	16	+0.034 0	28	43	43	8	M4	35
MFST-S	20	+0.041 0	32	48	48	10	M5	39
	25	+0.041 0	40	56	56	10	M5	47
	30	+0.041 0	45	66	66	12	M6	55


Ordering Example
Part Number
MFCMW6
MFST10

Oil Free Bushing Housing Units - Thick Flanged / Oil Free Bushing Housing Units - Thick Blocks

Built-In Copper Alloy Bushings - Flanged Built-In Copper Alloy Bushings - Tall Blocks

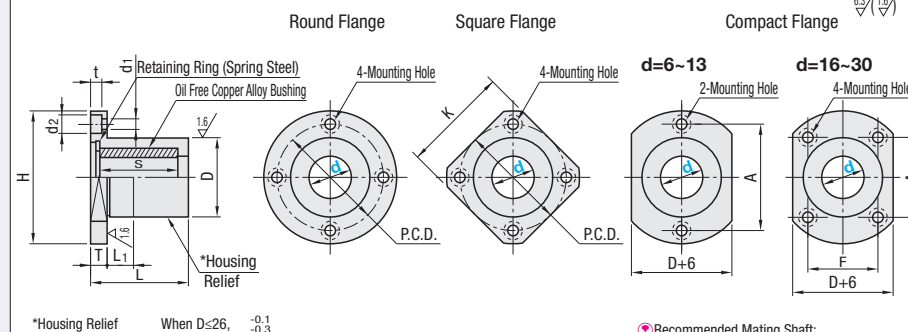
Feature: Best suitable for vertical use. Thicker wall compared to Standard Flanged Housing Units. Suited for high load applications.

Flanged



Reference: Cross-section Photo

Type			Seal	Housing		Bushing
Round Flange	Square Flange	Compact Flange		Material	Surface Treatment	Material
MPRA	MPSA	MPCA	No Seal	SS400	Electroless Nickel Plating	High Tensile Brass Alloy Solid Lubricant Embedded




Part Number

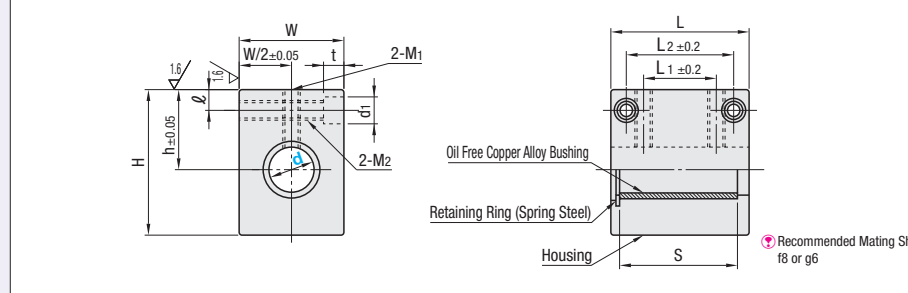
Type	d	Tolerance	D	Tolerance	L	L1	S	H	T	d1	d2	t	P.C.D.	K	F	A
MPRA	6	+0.022 0	15	0	21	5	15	32	5	3.5	6	3.1	23	23	-	23
	8	+0.028 0	17	-0.018	26	5	20	34	5	4.5	7.5	4.1	25	25	-	25
	10	+0.013 0	20		32	5	25	39	6	4.5	7.5	4.1	29	29	-	29
MPSA	12	+0.034 0	24	-0.021	32	10	25	44	6	5.5	9	5.1	34	34	-	34
	13	+0.034 0	26		32	10	25	46	6	5.5	9	5.1	36	36	-	36
	16	+0.016 0	30		37	10	30	50	6	5.5	9	5.1	40	40	26	30
MPCA	20	+0.041 0	36	-0.025	42	10	35	62	8	6.6	11	6.1	48	48	30	38
	25	+0.020 0	42		57	10	50	68	8	6.6	11	6.1	54	54	36	40
	30	+0.020 0	48		67	10	60	78	10	6.6	11	6.1	62	62	40	48

Feature: Best suitable for horizontal use. Thicker wall compared to Flanged Housing Units. Suited for high load applications.
Reduces the time of manufacturing and assembling the housing.

Tall Blocks



Type			Seal	Housing		Bushing
MPBA				Material	Surface Treatment	Material
		No Seal		SS400	Electroless Nickel Plating	High Tensile Brass Alloy Solid Lubricant Embedded



Part Number

Type	d	Tolerance	h	W	H	L	L1	L2	ℓ	S	M1	M2	d1xt
MPBA	6	+0.022 0	14	16	22	22	6	14	5	15	M3	M4	6x5 (for M3 Screws)
	8	+0.028 0	16	20	26	27	11	19	5	20	M3	M4	6x5 (for M3 Screws)
	10	+0.013 0	19	26	32	27	11	19	5	20	M3	M4	6x5 (for M3 Screws)
	12	+0.034 0	20	28	34	37	17	27	6	30	M5	M5	8x6 (for M4 Screws)
	13	+0.034 0	25	30	43	37	14	26	7	40	M6	M6	9x7 (for M5 Screws)
	16	+0.016 0	27	36	49	47	24	36	7	40	M6	M6	9x7 (for M5 Screws)
	20	+0.041 0	31	42	54	57	28	44	8	50	M8	M8	11x8 (for M6 Screws)
	25	+0.020 0	37	52	65	67	30	50	9	60	M10	M10	14x10 (for M8 Screws)
	30	+0.020 0	40	58	71	67	30	50	9	60	M10	M10	14x10 (for M8 Screws)

Ordering Example
Part Number
MPRA10
MPBA16