

Oil-Free Bushing Pillow Blocks

Tall Block / Wide Block

Oil-Free Bushing Pillow Blocks – Tall Block

Type	Seal	Housing		Bushings	Operating Temperature (°C)
		Material	Surface Treatment		
Single	MHUTS	No Seal	Aluminum Alloy	High Tensile Brass Alloy	-40~150
	MHUTS-S	With Non-Contact Seals			
Double	MHUTW	No Seal	Clear Anodizing	Solid Lubricant Embedded (Graphite)	-40~150
	MHUTW-S	With Non-Contact Seals			

With Non-Contact Seals
A 0.3 mm thick Teflon seal is attached on the inner side of each retaining ring.
For Features of With Non-Contact Seals, refer to P.452.

Part Number	Type	dr	ToL.	h	W	H	D	L		L1		L2		S		T	M1	M2	d x t	
								Single	Double	Single	Double	Single	Double	Single	Double					
No Seal With Non-Contact Seals	Single	10	+0.028 0	19	26	32	15	37	62	27	36	15	50	24.8	49.6	6	M6	M5	8 x 6	(For M4 Screws)
								12	62	27	36	15	50	24.8	49.6	6	M6	M5	8 x 6	
	Double	13	+0.034 0	25	30	43	18	38	68	28	42	16	55	24.8	49.6	7	M6	M6	9 x 7	(For M5 Screws)
								16	68	28	42	16	55	24.8	49.6	7	M6	M6	9 x 7	
No Seal With Non-Contact Seals	Double	20	+0.041 0	31	42	54	26	48	85	36	58	18	70	34.8	69.6	8	M8	M8	11 x 8	(For M6 Screws)
								25	85	36	58	18	70	34.8	69.6	8	M8	M8	11 x 8	
	30	85	36	58	18	70	34.8	69.6	8	M8	M8	11 x 8	(For M8 Screws)							

Oil-Free Bushing Pillow Blocks – Wide Block

Type	Seal	Housing		Bushings	Operating Temperature (°C)
		Material	Surface Treatment		
Single	MHUAS	No Seal	Aluminum Alloy	High Tensile Brass Alloy	-40~150
	MHUAS-S	With Non-Contact Seals			
Double	MHUAW	No Seal	Clear Anodizing	Solid Lubricant Embedded (Graphite)	-40~150
	MHUAW-S	With Non-Contact Seals			

With Non-Contact Seals
A 0.3 mm thick Teflon seal is attached on the inner side of each retaining ring.
For Features of With Non-Contact Seals, refer to P.452.

Part Number	Type	dr	ToL.	h	W	H	D	L		L1		S		W1	W2	M	d	l	A
								Single	Double	Single	Double	Single	Double						
No Seal With Non-Contact Seals	Single	16	+0.034 0	19	54	42	22.2	42	68	34	60	29.8	59.6	36	9	M5	4.3	12	26
								20	68	34	60	29.8	59.6	36	9	M5	4.3	12	26
No Seal With Non-Contact Seals	Double	25	+0.041 0	26	78	60	32	62	110	50	100	49.8	99.6	54	12	M8	7	18	38
								30	110	50	100	49.8	99.6	54	12	M8	7	18	38

For Features of With Non-Contact Seals, refer to P.452.

Part Number Example: MHUTS16, MHUAS20

Oil-Free Bushings / Oil-Free Bushing Housing Unit

Straight / Flanged / Casting / Integrated Flange

Oil-Free Bushings – Casting Straight / Flanged

SMZ Straight
SMZF Flanged

Recommended Mating Shaft Tolerance: e7 or h7
Recommended Housing I.D.: +0.05 to +0.02
Thread locking adhesive is recommended to affix bushings.

Material: Alloy Cast Iron Class No.35 Special Solid Lubricant

Part Number	Type	d _{G6}	L					Dm6	C
			6	8	10	12	15		
Straight SMZ	10	+0.014 +0.005	6	8	10	12	15	10	0.3
			8	10	12	15	20	12	
			10	12	15	20	25	16	
			12	15	20	25	30	18	
			15	20	25	30	40	22	
Flanged SMZF	16	+0.017 +0.006	6	8	10	12	15	20	0.5
			8	10	12	15	20	22	
			10	12	15	20	25	23	
			12	15	20	25	30	28	
			15	20	25	30	40	32	
	20	+0.020 +0.007	6	8	10	12	15	20	0.5
			8	10	12	15	20	28	
			10	12	15	20	25	32	

* marked L dimension is available for SMZ only.

Oil-Free Bushing Housing Unit – Casted

MHSR

Recommended Mating Shaft Tolerance: e7 or h7

Housing Material: 1018 Carbon Steel or equivalent
Surface Treatment: Chrome Plating
Bushing: SMZ

Part Number	Type	d	L (1 Bushing)		D	D1	M x l	P.C.D.	Mass (g)	
			Short	Long					Short	Long
MHSR	8	4 x 8	15	30	12	30	21	77	154	
			20	40	16	34	25	130	260	
			25	50	18	36	27	177	284	
			30	60	22	42	32	284	474	
			40	80	28	48	38	469	939	
			50	100	32	52	42	641	1025	
	10	6 x 12	15	30	38	60	49	999	1665	

Oil-Free Bushings – Flange Integrated

SMZH

Recommended Mating Shaft Tolerance: e7 or h7

Material: Cast Iron Class No.35 Special Solid Lubricant

Part Number	Type	d _{G6}	ToL.	Dh7	ToL.	L	H	T	d1	d2	t	P.C.D.	Mass (g)							
														SMZH	8	+0.014 +0.005	15	0 -0.013	20	32
10	25	40	6	4.5	7.5	29	85													
12	30	42	6	4.5	7.5	32	103													
15	40	48	8	5.5	9	38	180													
20	50	54	8	5.5	9	43	280													
25	60	62	10	6.6	11	51	270													
	30	+0.020 +0.007	45	0 -0.019	70	74	10	6.6	11	6.1	60	670								

Part Number Example: SMZH10