


Block Nuts for Lead Screws

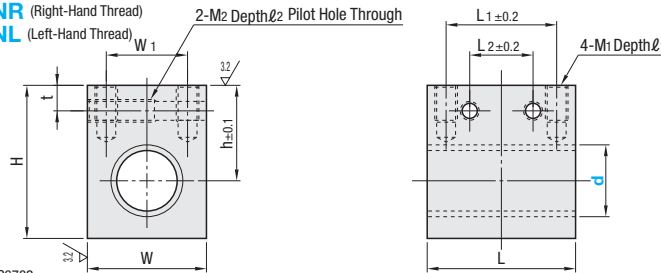
Tall Block / Wide Block / Lubrication-Free

Can be used without a nut bracket. Reduces the time of designing and assembling the nuts.

Tall Block



MTSBNR (Right-Hand Thread)
MTSBNL (Left-Hand Thread)




Material: C6782

$\frac{63^\circ}{\left(\frac{32^\circ}{\right)}$

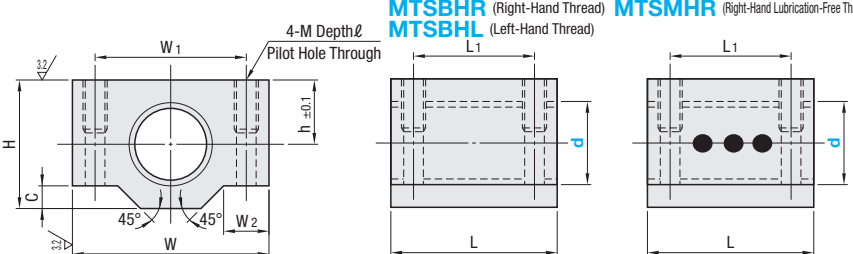
Part Number Type	Pitch d	Pitch P	h	W	H	L	L1	L2	W1	M1	l1	M2	l2	t	Allowable Dynamic Thrust (kN)	Mass (g)	Unit Price				
																	MTSBNR	MTSBNL			
MTSBNR (Right-Hand Thread)	10	2	20	20	30	24	16	-	12	M4	8	-	-	6	2.55	100					
	12		23	22	34	30	21	9	13	M5	10	M5	15		3.92	150					
	14	3	27	28	41	35	25	11	18	M6	12	M6	18		4.90	140					
	16		6.67	260																	
MTSBNL (Left-Hand Thread)	18	4	29	32	45	40	30	16	22					M6	12	M6	18	8.72	380		
	20		9.81	360																	
	22	5	30	36	48	50	40	20	26	M6	12	M6	18	12.36	580						
	25		14.22	540																	
	28	6	38	44	60	62	50	25	32	M8	16	M8	22	20.05	1050						
	32		22.81	970																	

Ordering Example **Part Number**
MTSBNR28

Wide Block
Lubrication-Free



MTSBHR (Right-Hand Thread) **MTSMHR** (Right-Hand Lubrication-Free Thread)
MTSBHL (Left-Hand Thread)

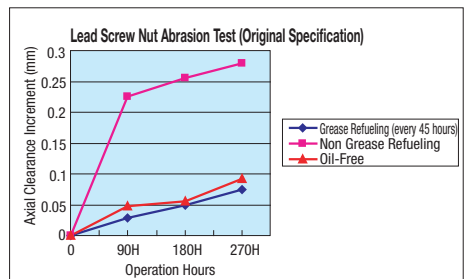


Material: C6782 (Solid lubricant embedded for MTSMHR)

Part Number Type	Pitch d	Pitch P	h	W	H	L	L1	W1	W2	C	M	l	Allowable Dynamic Thrust (kN)	Mass (g)	Unit Price	
															MTSBHR+MTSBHL	MTSMHR
MTSBHR (Right-Hand Thread)	*10	2	10	30	20	24	16	20	8	4	M4	8	2.55	87		
	*12	2	11	38	22	30	20	26	10	5	M5	10	3.92	147		
	*14	3	11	38	22	30	20	26	10	5	M5	10	4.90	140		
MTSBHL (Left-Hand Thread)	*16	3	14	44	28	35	24	32	10	5	M5	10	6.67	267		
	*18	4	16	48	32	40	28	36	11	6	M6	12	8.72	375		
MTSMHR (Right-Hand Lubrication-Free Thread)	*20	4	16	48	32	40	28	36	11	6	M6	12	9.81	357		
	*22	5	20	62	38	50	34	46	14	10	M8	16	12.36	670		
	*25	5	20	62	38	50	34	46	14	10	M8	16	14.22	629		
	*28	5	25	68	47	56	40	52	14	10	M8	16	17.95	1041		
	*32	6	25	68	47	56	40	52	14	10	M8	16	21.08	970		

Only * marked sizes are available for MTSMHR.

Ordering Example **Part Number**
MTSMHR20



Features of Lubrication-Free Nut for Lead Screws

As can be seen from the test result shown to the right, MISUMI Lubrication-Free nuts can achieve performance equivalent of once per 45hrs. lubrication cycles.

After initial greasing, this realizes Lubrication-Free operation. It provides high performance especially under low-speed operation.

Test Conditions: Sample
Screw Shaft: MTSRW10-270
Nut: MTSFR10, MTSMR10 (Lubrication-Free)
Applied Load: 220N, Shaft Speed: 1500rpm