

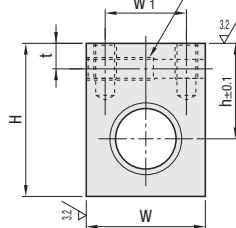
Tall Block / Wide Block / Lubrication-Free

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

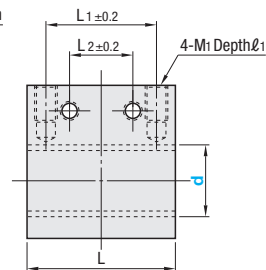
■ Tall Block



MTSBNR (Right-Hand Thread) **2-M2 Depth/2: Pilot Hole Through**
MTSBNL (Left-Hand Thread)



M Material: EN CC766S Equiv.

 $\frac{6.3}{\nabla} \left(\frac{3.2}{\nabla} \right)$

Part Number		Pitch P	h	W	H	L	L ₁	L ₂	W ₁	M ₁	ℓ ₁	M ₂	ℓ ₂	t	Allowable Dynamic Thrust (kN)	Mass (g)	Unit Price							
Type	d																MTSBNR	MTSBNL						
MTSBNR (Right-Hand Thread)	10	2	20	20	30	24	16	-	12	M4	8	-	-	6	2.55	100								
	12														3.92	150								
	14	3	23	22	34	30	21	9	13	M5	10	M5	15			4.90	140							
	16														6.67	260								
MTSBNL (Left-Hand Thread)	18	4	29	32	45	40	30	16	22	M6	12	M6	18	7	8.72	380								
	20																9.81	360						
	22	5	30	36	48	50	40	20	26										12.36	580				
	25																		14.22	540				
	28		6	38	44	60	62	50	25						32	M8	16	M8	22	8	20.05	1050		
	32																			22.81	970			



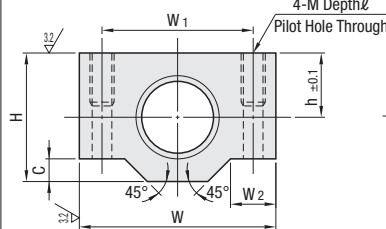
Ordering Example

Part Number
MTSBNR28

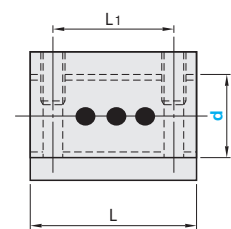
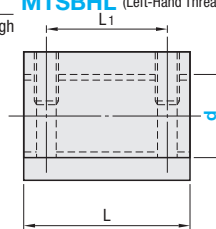
- Wide Block
- Lubrication-Free



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



M Material: EN CC766S Equiv. (Solid lubricant embedded for MTSMHR)



Part Number		Pitch P	h	W	H	L	L1	W1	W2	C	M	ℓ	Allowable Dynamic Thrust (kN)	Mass (g)	Unit Price			
Type	d														MTSBR	MTSBL	MTSMHR	
MTSBR (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				
MTSBL (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			-	
	*20	4	16	48	32	40	28	36	11	6	M6	12	9.81	357				
MTSMHR (Right-Hand Lubrication-Free Thread)	*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			-	
Only * marked sizes are available for MTSMHR.		*32	6	25	68	47	56	40	52	14	10	M8	16	21.08	970			



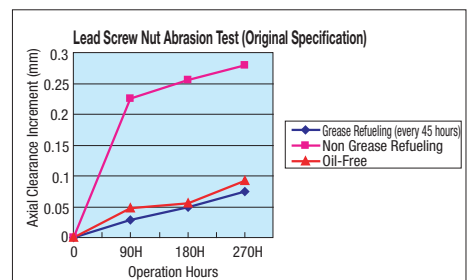
Ordering Example

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