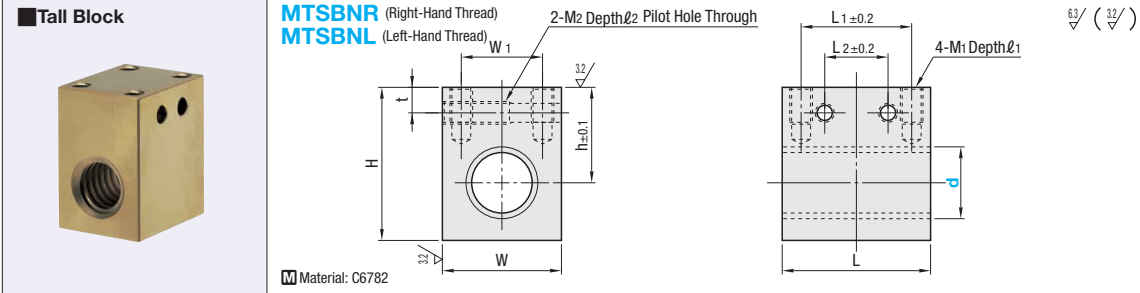


# Block Nuts for Lead Screws

Tall Block / Wide Block / Lubrication-Free

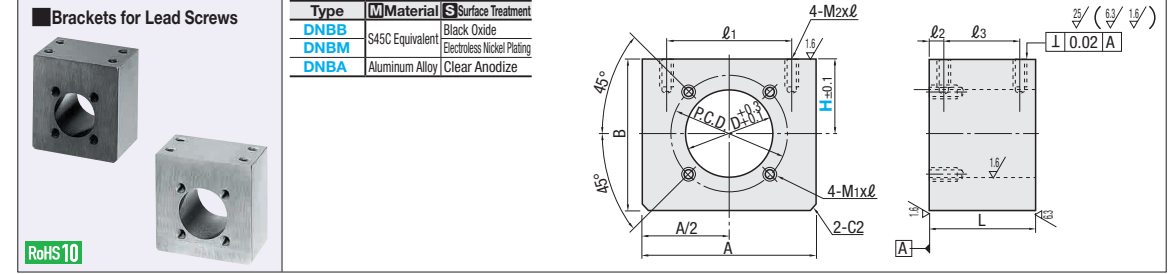
Can be used without a nut bracket. Reduces the time of designing and assembling the nuts.



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	2	20	20	30	24	16	-	12	M4	8	-	-	6	3.92	150		
	14	3	23	22	34	30	21	9	13	M5	10	M5	15	6	4.90	140		
MTSBNL (Left-Hand Thread)	16	3	27	28	41	35	25	11	18	M6	12	M6	18	7	6.67	260		
	18	4	29	32	45	40	30	16	22						8.72	380		
	20	4	29	32	45	40	30	16	22						9.81	360		
	22	5	30	36	48	50	40	20	26						12.36	580		
	25	5	30	36	48	50	40	20	26						14.22	540		
	28	6	38	44	60	62	50	25	32						20.05	1050		
32	6	38	44	60	62	50	25	32	22.81	970								

Ordering Example Part Number **MTSBNR28**

# Brackets for Lead Screws / Spacers Plates for Wide Block



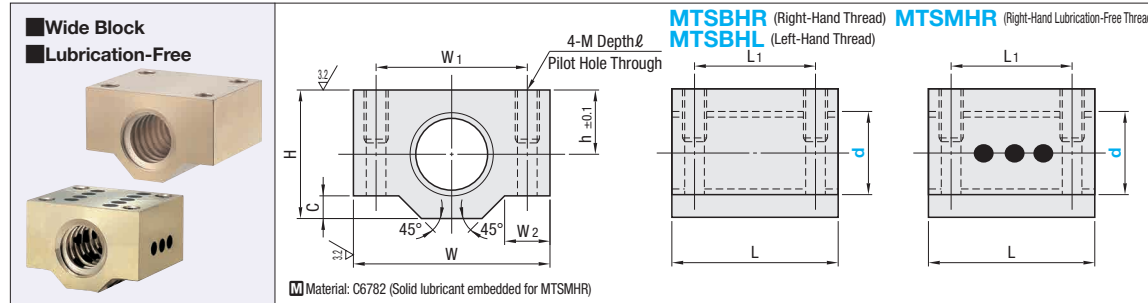
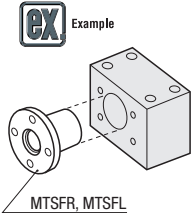
Part Number Type	No.	H					A	B	P.C.D.	M1x l	D	l1	L	l2	l3	M2x l	Applicable Nut			Unit Price		
		20	25	30	40	50											MTS	R, MTSFL	DNBB	DNBM	DNBA	
DNBB DNBM DNBA	264	20	25	30	40	40	H+20	26	M4x7	20	30	24	6	12	M4x8	10						
	315	23	25	30	40	50	H+23	31	M5x7	22	35	30	8	14	M5x10	12, 14						
	386	27	30	35	50	60	H+27	38	M6x7	28	45	34	10	18	M6x12	16						
	426	29	30	35	40	65	H+29	42	M6x10	32	50	39	8	23	M6x12	18, 20						
	476	32	35	40	50	70	H+32	47	M8x12	36	50	46	10	30	M8x16	22, 25						
	588	40	45	50	60	80	H+40	58	M8x12	44	60	48	10	32	M8x16	28, 32						
	668	43	45	50	60	86	H+43	66	M8x12	52	65	52	10	36	M8x16	36						
	7610	50	55	60	70	100	H+50	76	M10x14	58	75	60	10	40	M10x20	40						
	8510	58	60	70	80	116	H+58	85	M10x14	68	85	70	10	50	M10x20	50						

Please use Nut Bracket combined with Round Flanged Lead Screw Nut and Square Flanged Lead Screw Nut.

Ordering Example Part Number **DNBB315** - **H** - **30**

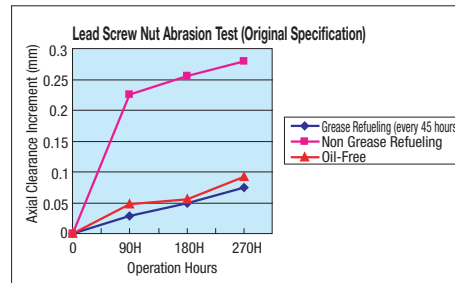
Alterations Part Number **DNBB264** - **H** - **HC2.5**

Alteration Code	Spec.
HC	H Dimension 0.1mm increment Ordering Code HC2.5



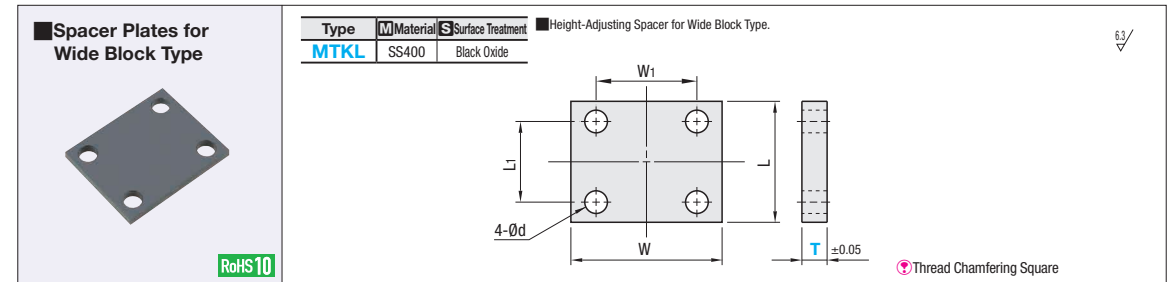
Part Number Type	Pitch d	Pitch P	h	W	H	L	L1	W1	W2	C	M	l	Allowable Dynamic Thrust (kN)	Mass (g)	Unit Price	
															MTSBHR	MTSBHL
MTSBHR (Right-Hand Thread)	*10	2	10	30	20	24	16	20	8	4	M4	8	2.55	87		
	*12	2	11	38	22	30	20	26	10	5	M5	10	3.92	147		
MTSBHL (Left-Hand Thread)	*14	3	11	38	22	30	20	26	10	5	M5	10	4.90	140		
	*16	3	14	44	28	35	24	32	10	5	M5	10	6.67	267		
MTSMHR (Right-Hand Lubrication-Free Thread)	*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		
	*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		

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



Part Number Type	No.	T 0.1mm increment	Applicable Lead Screw Nut		W	L	W1	L1	d	Unit Price			
			Type	I.D. d						T=2.5-2.9	T=3.0-4.9	T=5.0-6.9	T=7.0-9.0
MTKL	1	2.5-9.0	MTSBHR MTSBHL MTSMHR	10	30	24	20	16	4.5				
	2			12, 14	38	30	26	20	5.5				
	3			16	44	35	32	24	6.5				
	4			18, 20	48	40	36	28	6.5				
	5			22, 25	62	50	46	34	9				
	6			28, 32	68	56	52	40	9				

Ordering Example Part Number **MTKL2** - **T** - **3.5**

