

Lead Screw

One End Stepped / One End Double Stepped

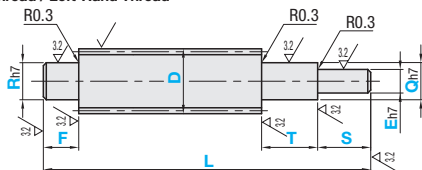
Lead screws that are easy to combine with MISUMI Support Units in P.791~792.



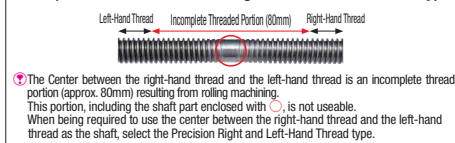
Type				Material	Surface Treatment
Right-Hand Thread	Left-Hand Thread	Right and Left-Hand Thread	Precision Right and Left-Hand Thread		
MTSRK	MTSLK	MTSWKA/B	MTSYKA/B	EN 1.1191 Equiv.	Black Oxide
MTSBRK	MTSBLK	MTSBWKA/B	MTSBLK/B		
RMTSRK	RMTSLK	RMTSWKA/B	-		
MTSTRK	MTSTLK	-	-	EN 1.4305 Equiv.	-

• Single Pitch Error ... ±0.02mm • Accumulated Pitch Error ... ±0.15/300mm
 • Type A or B are available for Right and Left-Hand Thread and Precision Right and Left-Hand Thread.

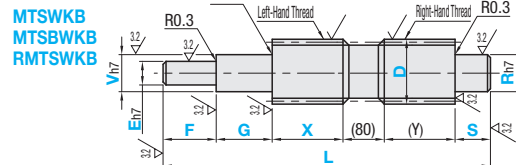
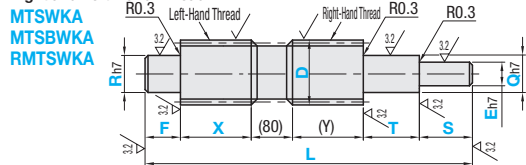
Right-Hand Thread / Left-Hand Thread



Incomplete Threaded Portion of Right and Left-Hand Thread Type

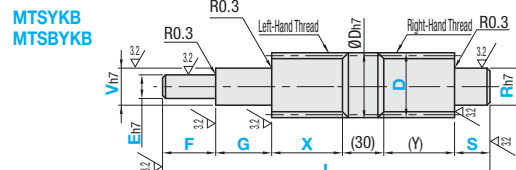
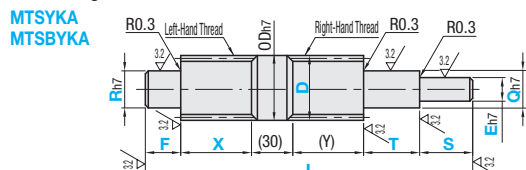


Right and Left-Hand Thread



Incomplete threaded portion near the center (80mm) is not useable.

Precision Right and Left-Hand Thread



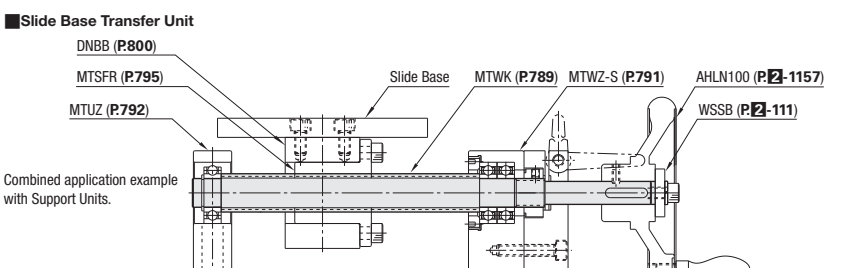
• ϕ Dh7-30mm part includes incomplete thread portion by about 1.5 pitches at both ends (in total about 3 pitches).

Part Number	Type	1mm Increment		V / Q / R	E 1mm Increment	Right and Left-Hand Thread / Precision Right and Left-Hand Thread		D	Pitch P
		L	F, G, T, S			X 1mm Increment			
(Right-Hand Thread) MTSRK MTSBRK RMTSRK MTSTRK (Stainless Steel)	D \leq 32, L \leq 1000	80~1000	2 \leq F \leq E-Rx7 2 \leq G \leq Vx7 2 \leq S \leq E-Rx7 2 \leq T \leq Qx7	7 8 9 8 9 10 9 10 12 10 12 14 15 10 12 14 15	Q/2 \leq E \leq Q-1 V/2 \leq E \leq V-1	When D=12, 14 50 \leq X \leq 460<485>-F-G (Y)=L-80<30>-F-G-S-T-X (Y) \leq 500-S-T-40<15> When D=16 ~ 50 50 \leq X \leq 560<585>-F-G (Y)=L-80<30>-F-G-S-T-X (Y) \leq 600-S-T-40<15>	• Dimensions in <> are for Precision Right and Left-Hand Thread.	12	2
(Left-Hand Thread) MTSLK RMTSLK MTSTLK (Stainless Steel)	D \leq 32, L \leq 1000	100~1200	12 14 15 16 17	14				3	
(Right and Left-Hand Thread) MTSWKA/B MTSBWKA/B RMTSWKA/B	D \leq 32, L \leq 1000	150~1200	14 15 16 17 20 25	16				4	
(Precision Right and Left-Hand Thread) MTSYKA/B MTSBYKA/B	D \leq 32, L \leq 1000	200~1200	20 25 30	18				5	
			25 30 35 40	20				6	
				22				8	
				25					
				32					

• For Precision Right and Left-Hand Thread, D dimension 14, 16, 20, 25, 28 and 32 are available. • When combined with the position indicators, Q and V standard dimensions will be 8 ~ 20. P.811, 812
 • D dimension 22, 36, 40 and 50 are not applicable to Stainless Steel. D dimension 25, 28 and 32 are applicable to Right-Hand Thread only.

Example

MTUZ	Lead Screw Support Unit - Support Side
MTSFR	Lead Screw Nut - Flanged
DNBB	Nut Bracket for Lead Screw
MTWK	Lead Screw - For Support Units
MTWZ-S	Lead Screw Support Units Stop Plate Set
AHLN100	Five Spoked Handwheel
WSSB	Metal Washer



• When considering adopting support units in combination either with Right-Hand Thread type or Left-Hand Thread type lead screws, ordering of Lead Screws - For Lead Screw Support Unit Type in P.789 is recommended.

Ordering Example

Part Number	-	L	-	F	-	R	-	T	-	Q	-	S	-	E	-	X
MTSRK16	-	456	-	F37	-	R10	-	T20	-	Q12	-	S10	-	E9	-	X10
MTSWKA16	-	456	-	F37	-	R10	-	T20	-	Q12	-	S10	-	E9	-	X10
Part Number	-	L	-	F	-	E	-	G	-	V	-	S	-	R	-	X
MTSBWKB20	-	582	-	F10	-	E10	-	G15	-	V12	-	S25	-	R15	-	X200

• Unit price for the product is price in the table multiplied by price multiplier.
 Price in the table x Price Multiplier = Unit Price

Right-Hand Thread / Left-Hand Thread

Part Number	Type	Unit Price					
		D	Min. L - 200	L201-400	L401-600	L601-800	L801-1000
MTSRK Price in the Table	12						
	14						
	16						
	18						
MTSBRK Price in the Table x1.1	20						
	22						
	25						
	32						
MTSLK Price in the Table x1.02	28						
	32						
	36						
	40						
MTSBLK Price in the Table x1.12	40						
	50						

Right and Left-Hand Thread

Part Number	Type	Unit Price					
		D	Min. L - 200	L201-400	L401-600	L601-800	L801-1000
MTSWKA/B Price in the Table	12						
	14						
	16						
	18						
MTSBWKA/B Price in the Table x1.12	20						
	22						
	25						
	28						
	32						
	36						
	40						
	50						

Right-Hand Thread / Left-Hand Thread, Stainless Steel

Part Number	Type	Unit Price					
		D	Min. L - 200	L201-400	L401-600	L601-800	L801-1000
MTSTRK MTSTLK	12						
	14						
	16						
	18						
MTSTRK	20						
	25						
	28						
	32						

Low Temperature Black Chrome Plated Products - Right-Hand Thread / Left-Hand Thread

Part Number	Type	Unit Price				
		D	Min. L - 200	L201-400	L401-600	L601-800
RMTSRK (Price of MTSRK + Price in the Table)	12					
	14					
	16					
	18					
RMTSLK (Price of MTSLK + Price in the Table)	20					
	22					
	25					
	28					
RMTSWKA/B (Price of MTSWK + Price in the Table)	32					
	36					
	40					
	50					

• For low temperature black chrome plated products, add the price of low temperature black chrome plating shown above to the non-plated product prices.

Precision Right and Left-Hand Thread

Part Number	Type	Unit Price					
		D	Min. L - 200	L201-400	L401-600	L601-800	L801-1000
MTSYKA/B Price in the Table	14						
	16						
	20						
	25						
MTSBYKA/B Price in the Table x1.1	28						
	32						
	36						
	40						

Alterations

Part Number	-	L	-	F	-	R	-	T	-	Q	-	S	-	E	-	X
MTSRK16	-	456	-	F37	-	R10	-	T20	-	Q12	-	S10	-	E9	-	MR4

Alterations	Code	Spec.	Flat Machining	Retaining Ring Groove	Wrench Flats	Coarse Tapping	Threaded	Square Chamfering	Keyway							
										FE (E part)	FR (R part)	AR (R part)	AE (E part)	SE (E part)	SR (R part)	MR (R part)

• Specify an alteration position to be 2mm or more away from the stepped part. (For details, see P.787)
 • Do not specify multiple alterations in such a way that they overlap with each other in the rotating direction on the same shaft. (For details, see P.787)
 • When flat machining, wrench flats, square chamfering and keyway alterations are combined with each other, their orientations will be random. (For details, see P.787)
 • When adding multiple alterations, there must be 2mm or more clearance between each feature. (For details, see P.787)