

Lead Screw

One End Stepped / One End Double Stepped

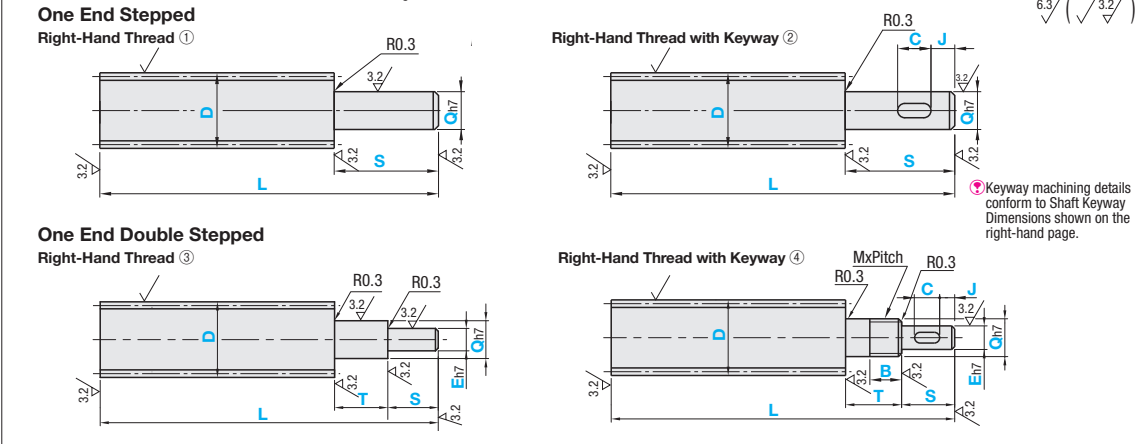
Can be used when Shaft Length (Stroke) is short.



Type				Material	Surface Treatment
One End Stepped		One End Double Stepped			
①	②	③	④		
Right-Hand Thread	Right-Hand Thread with Keyway	Right-Hand Thread	Right-Hand Thread with Keyway		
MTSRA	MTSRB	MTSRC	MTSRD	S45C	-
MTSBRA	MTSBRB	MTSBRD	MTSRD		
RMTSRA	RMTSRB	RMTSRC	RMTSRD		
MTSTRA	-	MTSTRC	-	SUS303	Low Temperature Black Chrome Plating

• Single Pitch Error...±0.02mm

• Accumulated Pitch Error...±0.15/300mm



Right-Hand Thread

Part Number	Type	D	1mm Increment	L	T, S	Q Selection	E	1mm Increment	D	Pitch
① One End Stepped Right-Hand Thread	MTSRA	*8	50~500			6			8	1.5
③ One End Double Stepped Right-Hand Thread	MTSRB	10	80~1000			6 7			10	2
MTSBRA	12	100~1200				6 7 8 9			12	3
RMTSRA	14	150~1200				8 9 10			14	4
MTSTRA	16	200~1200				9 10 12			16	5
	18					9 10 12			18	6
	20					10 12 14 15			20	8
	22					10 12 14 15			22	
	25					12 14 15 16 17			25	
	28					12 14 15 16 17 20			28	
	32					14 15 16 17 20 25			32	
	36					17 20 25			36	
	40					20 25 30			40	
	50					25 30 35 40			50	

① One End Stepped Right-Hand Thread: MTSRA, MTSBRB, RMTSRA, D≤32, L≤1000, MTSTRA, MTSTRC. ③ One End Double Stepped Right-Hand Thread: MTSRB, MTSBRB, RMTSRB, D≤32, L≤1000, MTSRC, MTSBRD, RMTSRC, RMTSRD, D≤32, L≤1000. ② One End Stepped Right-Hand Thread with Keyway: MTSRB, MTSBRB, RMTSRB, D≤32, L≤1000, MTSRC, MTSBRD, RMTSRC, RMTSRD, D≤32, L≤1000. ④ One End Double Stepped Right-Hand Thread with Keyway: MTSRB, MTSBRB, RMTSRB, D≤32, L≤1000, MTSRC, MTSBRD, RMTSRC, RMTSRD, D≤32, L≤1000.

For One End Double Stepped Type, Q dimension 6 cannot be selected when D dimension is 8. When combined with position indicators, the standard Q diameters are 8 ~ 20. P811, 812. D dimension 22, 36, 40 and 50 are not applicable to Stainless Steel. For One End Double Stepped Type, applicable to D dimension 12 or more.

Right-Hand Thread with Keyway

Part Number	Type	D	1mm Increment	L	T, S	Q Selection	E	1mm Increment	C	J	B	MxPitch	D	Pitch
② One End Stepped Right-Hand Thread with Keyway	MTSRB	12	80~1000			7 8 9						Q=M	12	2
MTSBRB	14	100~1200				8 9 10						M8x1.0	14	3
RMTSRB	16	150~1200				9 10 12						M12x1.0	16	4
	18					9 10 12						M14x1.0	18	5
	20					10 12 14 15						M15x1.0	20	6
	22					10 12 14 15						M17x1.0	22	8
	25					12 14 15 16 17						M20x1.0	25	10
	28					14 15 16 17 20						M25x1.5	28	12
	32					14 15 16 17 20 25						M30x1.5	32	14
	36					17 20 25						M35x1.5	36	16
	40					20 25 30						M40x1.5	40	18
	50					25 30 35 40						M45x1.5	50	20

When combined with position indicators, the standard Q are 8 ~ 20. P811, 812. When combined with position indicators, the standard Q are 8 ~ 20. P811, 812. When combined with position indicators, the standard Q are 8 ~ 20. P811, 812.

Ordering Example	Part Number	L	S	Q	C	J	B
MTSRA16	- 456 - S49 - Q10						
MTSRB16	- 456 - S10 - Q12 - C5 - J0						
MTSRC16	- 456 - T20 - Q12 - S10 - E9						
MTSRD16	- 456 - T20 - Q12 - S10 - E8 - C5 - J0 - B10						

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

① One End Stepped Right-Hand Thread

Part Number	Type	D	Unit Price
MTSRA	Price in the Table		
MTSBRA	Price in the Table x 1.12		
MTSTRA	Price in the Table x 1.12		

③ One End Double Stepped Right-Hand Thread

Part Number	Type	D	Unit Price
MTSRC	Price in the Table		
MTSBRD	Price in the Table x 1.12		
MTSTRC	Price in the Table x 1.12		

② One End Stepped with Keyway, Right-Hand Thread

Part Number	Type	D	Unit Price
MTSRB	Price in the Table		
MTSBRB	Price in the Table x 1.1		

④ One End Double Stepped with Keyway Right-Hand Thread

Part Number	Type	D	Unit Price
MTSRD	Price in the Table		
MTSRD	Price in the Table x 1.1		

Low Temperature Black Chrome Plated Products

Part Number	Type	D	Unit Price
RMTSRA/C	(Price of MTSRA/C + Price in the Table)		
RMTSRB/D	(Price of MTSRB/D + Price in the Table)		

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

Alterations: MTSRB16 - 456 - S10 - Q12 - C5 - J0 - MC8

Alterations	Flat Machining	Retaining Ring Groove	Wrench Flats	Coarse Tapping	Threaded For Bearing Nut	Square Chamfering	Keyway
Code	FC (Q part) FE (E part)	AE (E part)	SC (Q part) SE (E part)	MC (Left End) MQ (Q part) ME (E part)	BQ (Q part)	ZQ (Q part) ZE (E part)	KQ (Q part) KE (E part)
Spec.	FC/FE:FW,FY=0.5mm Increment FC=Applied on Q part FE=Applied on E part	AE=0.1mm Increment AE=0.1mm Increment AE=0.1mm Increment AE=Applied on E part	SC is not applicable to One End Double Stepped Type SC=Applied on Q part SE=Applied on E part	MC=Applied on the Left End MQ=Applied on Q part ME=Applied on E part MC2=Applied on Q part ME2=Applied on E part	BQ=Applied on Q part ZE=Applied on E part	ZQ=Applied on Q part ZE=Applied on E part	KQ=Applied on Q part KE=Applied on E part

Specify an alteration position to be 2mm or more away from the stepped part. For details, see P787. 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 P787. When flat machining, wrench flats, square chamfering and keyway alterations are combined with each other, their orientations will be random. For details, see P787. When adding multiple alterations, there must be 2mm or more clearance between each feature. For details, see P787.