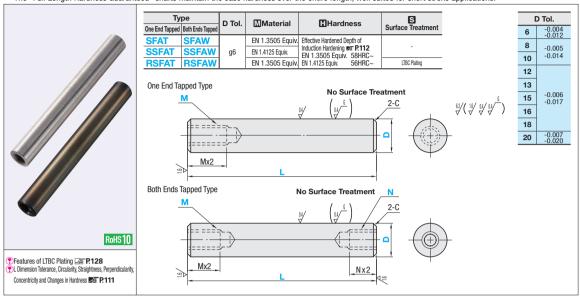
Full Length Hardness Guaranteed Shafts

One End / Both Ends Tapped, Short

Features: Other shaft products may suffer from lowered hardness due to annealing required for tapping.

The "Full Length Hardness Guaranteed" shafts maintain the case hardness over the entire length, well suited for short stroke applications.



Part Number			L	M (Coarse), N (Coarse)							
Type D		specified in 1mm Increment				Selectio	n .			С	
		6	20~150	3							
		8	20~150	3	4	5					
One End Tapped	Both Ends Tapped	10	20~150	3	4	5	6				
		12	20~150		4	5	6	8			0.51
SFAT	SFAW	13	25~150		4	5	6	8			0.5 or Less
SSFAT RSFAT	SSFAW RSFAW	15	25~150		4	5	6	8	10		
HOLAI	NOFAW	16	30~150		4	5	6	8	10		
		18	30~150		4	5	6	8	10	12	
		20	30~150		4	5	6	8	10	12	1.0 or Less



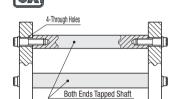


Alterations	Code	Spec.
LKC	LKC	L Dimension Tolerance Change (Precision) Ordering Code LKC L dimensions can be specified in 0.1mm increment for LKC. L<150 ·····L±0.03
MD(Mx3) ND(Nx3)	MD ND	Change the effective tap depth to M(N)x3. Ordering Code M06 AD6 (M is changed to MD, N is changed to ND) Reptication Totals Only applicable to D=6-30, M=6-20 One End Tapped: MDx3.5+4±L Both Ends Tapped: MDx3.5+4+NDx3.5+4±L

Alterations	Code	Spec.
MSC (Fine) NSC (Fine)	MSC NSC	Change to Fine Tapped Thread

Part Number								
Type	D	Min. L ~ 40	L41~60	L61~80	L81~100	L101~125	L126~150	
	6							
	8							
	10							
SFAT	12							
	13							
	15, 16							
	18, 20							
	6							
	8, 10							
SSFAT								
	15, 16							
	18, 20							
	6							
	8							
	10							
	12							
RSFAT								
	15							
	16							
	18							
	20							
	6							
	8							
OFAN	10							
SFAW								
	13							
	15, 16							
	18, 20							

Part Number								
Type	D	Min. L ~ 40	L41~60	L61~80	L81~100	L101~125	L126~150	
	6							
	8, 10							
SSFAW	12, 13							
	15, 16							
	18, 20							
	6							
	8							
	10							
	12							
RSFAW	13							
	15							
	16							
	18							
	20							



Example

As Full Length Hardness Guaranteed Shafts cause no hardness loss, they are well suited for short stroke sliding.

Features of LTBC Plating

LTBC Plating ($1\mu \sim 2\mu$ thickness) applied on shafts has highly anti-rusting effect with thin black film. Even hairpin-shaped bending won't cause cracks. Plating won't be flaked by repeat bending.

Shaft O.D. tolerance remains g6 after low temp. black chrome plating is applied. Works well with linear bushings and suitable for places where rusting is to be avoided. Suitable for places where light reflections are undesirable, when used in combination with LTBC plated linear bushing.





See each product page for details.



Alterations See each product page for details.

Sliding Test Conditions

LMUR12 Linear Bushings: RSFJ12

High Precision Linear Shafts: Material

EN 1.3505 Equiv.

EN 1.4125 Equiv.

50km sliding test was conducted on Linear Bushings under 412N load.

Ø4~Ø30

Applicable Shaft Diameter | Applicable Shaft Length

Up to 448

LTBC plated Shafts (Regular Products):

Material	Applicable Shaft Diameter	Applicable Shaft Length
EN 1.3505 Equiv.	Ø3~Ø30	Up to 500

Full Length Hardness Guaranteed Shafts:

Material	Applicable Shaft Diameter	Applicable Shaft Length
EN 1.3505 Equiv.	Ø6~Ø20	Up to 150

(Note 1) Wiping LTBC plated products with solvents may result in loss of color but its anti-rust property will be unaffected. Color will settle over a month and become resistant to discoloration.

(Note 2) Tapped threads will not be coated with LTBC Plating.

(Note 3) Low temp. black chrome plated shafts may have centering holes on the ends for surface treatment.