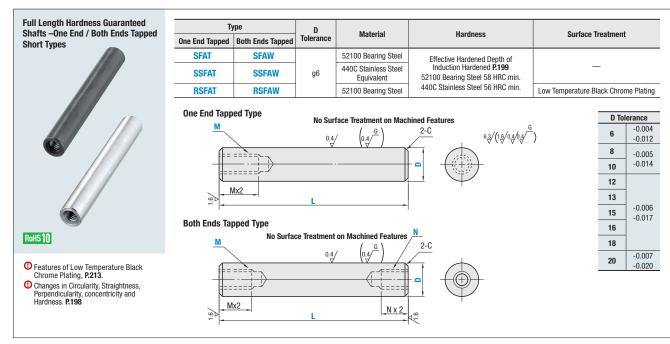
Full Length Hardness Guaranteed Shafts

One End / Both Ends Tapped Short Types



Part Number		L	M (Coarse Threads) / N (Coarse Threads)				0				
Type D		1 mm Increment	W (Coarse Tireaus) / N (Coarse Tireaus)				· ·				
		6	20-150	3							
		8	20-150	3	4	5					0.5 or Less
One End Tapped Type SFAT SSFAT RSFAT	Both Ends Tapped Type SFAW SSFAW RSFAW	10	20-150	3	4	5	6				
		12	20-150		4	5	6	8			
		13	25-150		4	5	6	8			
		15	25-150		4	5	6	8	10		
		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

U L requires Mx2+Nx2≤L

When Mx2.5+4+Nx2.5+4≥L, tap pilot holes may go through.





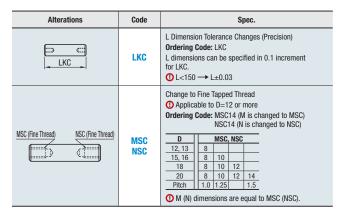
Feature: Other shaft products may suffer from lowered hardness areas due to annealing required for tapping.

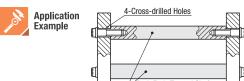
The "Full Length Hardness Guaranteed" shafts maintain the case hardness over the entire length,
well suited for short stroke applications.

Full Length Hardness Guaranteed Shafts

One End / Both Ends Tapped Short Types, continued







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

Features of Low Temperature Black Chrome Plating

Low temperature black chrome plating (1–2 μ thickness) applied on shafts has highly anti-rusting effect with thin black film. Even hairpin-shaped bending won't cause cracks. Plating won't flake from repeat bending. Shaft 0.D. tolerance remains g6 after low temperature 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 low temperature black chrome plated linear bushing.







Part Number

Alterations

See each product page for details.

Sliding Test Conditions Linear Bushings: LMUR12

Shafts: RSFJ1

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

Low Temp. Black Chrome Plated Shafts (Regular Products)

Material	Applicable Shaft Diameter	Applicable Shaft Length			
52100 Bearing Steel	Ø3 – Ø30	Up to 500			

High Precision Linear Shafts

Material	Applicable Shaft Diameter	Applicable Shaft Length		
52100 Bearing Steel	Ø4–Ø30	Up to 448		
440C Stainless Steel equivalent	Ψ4-Ψ3U			

Full Length Hardness Guaranteed Shafts

Material	Applicable Shaft Diameter	Applicable Shaft Length			
52100 Bearing Steel	Ø6 – Ø20	Up to 150			

Note 1: Wiping low temperature black chrome 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 Low Temperature Black Chrome Plating.

Note 3: Low temperature black chrome plated shafts may have centering holes on the ends for surface treatment.