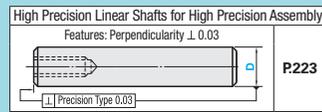


Shafts

One End Tapped



For High Precision Linear Shafts with high perpendicular precision of the shaft end ($\perp 0.03$), see **P.223**. For Shafts with Wrench Flats and Cross-Drilled Hole, see **P.153**.

For products uncovered by the e-Catalog Standards, see **P.131**.

RoHS

- Annealing may lower hardness at shaft end machined areas (effective thread length + approx. 10mm). **P.142**
- Full Length Hardness Guaranteed Shafts **P.155**
- L Dimension Tolerance, Circularity, Straightness, Perpendicularity, Concentricity and Changes in Hardness **P.141**
- Features of Low Temp. Black Chrome Plating **P.156**

Type		Material	Hardness	Surface Treatment	D Tol.			
D Tol. g6	D Tol. h5				D	g6	h5	f8
SFJT	SFUT	SUJ2	Effective Hardened Depth of Induction Hardening P.142 SUJ2 58HRC~ SUS440C Equivalent 56HRC~	Hard Chrome Plating - Plating Hardness: HV750 -, Plating Thickness: 5µ or More	4	-0.004	0	-
SSFJT	SSFUT	SUS440C Equivalent			5	-0.012	-0.005	-0.010 -0.028
PSFJT	PSFUT	SUJ2	Low Temp. Black Chrome Plating	Hard Chrome Plating - Plating Hardness: HV750 -, Plating Thickness: 10µ or More	6	-0.005	0	-0.013 -0.035
PSSFJT	PSSFUT	SUS440C Equivalent			8	-0.014	-0.006	-0.013 -0.035
RSFJT	-	SUJ2	-	-	10	-0.006	0	-0.016 -0.043
-	-	S45C Equivalent			12	-0.017	-0.008	-0.016 -0.043
-	-	PSPFGT	-	-	13	-0.007	0	-0.020 -0.053
-	-	PSSFGT			15	-0.020	-0.009	-0.020 -0.053
-	-	-	-	-	18	-0.009	0	-0.025 -0.064
-	-	-			20	-0.025	-0.011	-0.025 -0.064

For plated products, the surface roughness of D part is $0.4\sqrt{}$ and for unplated products, it is $0.4\sqrt{}$.

Part Number Type	D	L specified in 1mm Increments	M (Coarse) Selection	C
(D Tol. g6) SFJT SSFJT PSFJT PSSFJT RSFJT (D≤30, L≤500)	4	20~ 300	2	0.2 or Less
	5	20~ 400	2.6 3	
	6	15~ 800	3	
	8	15~1000	3 4 5	
(D Tol. f8) PSFJT (D≥6) PSSFJT (D≥6)	10	15~1000	3 4 5 6	0.5 or Less
	12	15~1200	4 5 6 8	
	13	15~1200	4 5 6 8	
	15	15~1200	4 5 6 8 10	
	16	30~1200	4 5 6 8 10	1.0 or Less
	18	30~1200	4 5 6 8 10 12	
	20	30~1200	4 5 6 8 10 12	
	25	35~1200	4 5 6 8 10 12 16	
	30	35~1500	6 8 10 12 16 20	
	35	35~1500	8 10 12 16 20 24	
40	50~1500	10 12 16 20 24 30		
50	65~1500	12 16 20 24 30		

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

Ordering Example

Part Number - L - M
 SFJT8 - 200 - M4
 RSFJT20 - 325 - M8

Alterations

Part Number - L - M(MSC, MD) - (LKC...etc.)
 SFJT30 - 250 - M12 - LKC

Alterations	Code	Spec.
	LKC	Alteration to L dimension tolerance (Ordering Code) LKC L dimensions can be specified in 0.1mm increment for LKC. L<200 ...L±0.03 200≤L<500 ...L±0.05 L≥500 ...L±0.1
	FC	Set Screw Flat at One Location (Ordering Code) FC10-E8 FC, E=1mm Increment D≤30:FC≤5xD, D≥35:FC≥3xD E=0 or E≥2 Not available in combination with WFC.
	WFC	Set Screw Flats at Two Locations (Ordering Code) WFC8-A8-E4 WFC, A, E=1mm Increment D≤30:WFC≤5xD, D≥35:WFC≥3xD A(E)=0 or A(E)≥2 Orientation between set screw flats is not coplanar. Not available in combination with FC.
	MSC	Change to Fine Tapped Thread (Ordering Code) MSC14 (M is changed to MSC) Application Notes) Applicable to D=12 or more P.143

Alteration Details **P.143**

Alterations	Code	Spec.
	RC	90-deg. Set Screw Flat at One Location (Ordering Code) RC10 Application Notes) Only applicable to D=10~30. Not available in combination with WRC.
	WRC	90-deg. Set Screw Flats at Two Locations (Ordering Code) WRC10-Y10 Application Notes) Only applicable to D=10~30. Not available in combination with RC. Orientation between two set screw flats is not coplanar.
	KC	Keyway at one location. (Ordering Code) KC10-G10
	WKC	Keyways at two locations. (Ordering Code) KC10-C8-KC10-LT10 Application Notes) Only applicable to D=12, 16, 20, 25 and 30. This Alteration cannot be applied to any tapped thread (Mx2.5+4).
	MD	Change the effective length of tapped part to Mx3. (Ordering Code) MD6 (M is changed to MD) Application Notes) Only applicable to D=10~30 and M=6~20 One End Tapped: MD3.5+4<L Not available in combination with KC, WSC.

Please see Shaft Alteration Overview for details if provided. **P.143**
 When selecting multiple alteration additions, the distance between machined areas should be greater than 2mm. **P.144**
 Alterations may lower hardness. See **P.142**.

Part Number Type	D	Unit Price																										
		Min. L	L51	L101	L151	L201	L251	L301	L351	L401	L451	L501	L551	L601	L651	L701	L751	L801	L851	L901	L951	L1001	L1101	L1201	L1301	L1401		
SFJT SFUT	4	50																										
	5																											
	6																											
	8																											
	10																											
	12																											
	13																											
	15																											
	16																											
	18																											
20																												
25																												
30																												
35																												
40																												
50																												
SSFJT SSFUT	4																											
	5																											
	6																											
	8																											
	10																											
	12																											
	13																											
	15																											
	16																											
	18																											
20																												
25																												
30																												
35																												
40																												
50																												
PSFJT PSFUT	4																											
	5																											
	6																											
	8																											
	10																											
	12																											
	13																											
	15																											
	16																											
	18																											
20																												
25																												
30																												
35																												
40																												
50																												
PSSFJT PSSFUT	4																											
	5																											
	6																											
	8																											
	10																											
	12																											
	13																											
	15																											
	16																											
	18																											
20																												
25																												
30																												
35																												
40																												
50																												

For D tolerance h5, add the relevant surcharge to the prices above.

Part Number Type	D	Unit Price							
		Min. L	L101	L201	L401	L601	L801	L1001	L1201
RSFJT	4	100							
	5								
	6								
	8								