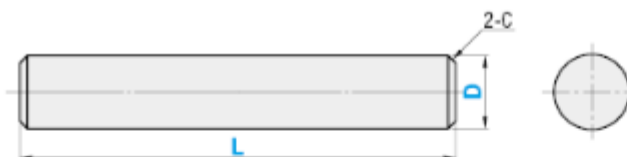


For surface roughness of D parts, plated products are $\sqrt{0.4}$ and unplated products are $\sqrt{0.8}$. $6.3 / (0.4 / 0.8)$



Type			[M]Material	[H]Hardness	[S]Surface Treatment
D Tol. g6	D Tol. h5	D Tol. f8			
SFJ	SFU	-	SUJ2 Equivalent	Effective Hardened Depth of Induction Hardening >> P.142 SUJ2 Equivalent: 58HRC~ SUS440C or 13Cr stainless: 56HRC~	-
ZSFJ	-	-			
SSFJ	SSFU	-	SUS440C or 13Cr stainless		
PSFJ	PSFU	-	SUJ2 Equivalent		Hard Chrome Plating - Plating Hardness: HV750 ~, Plating Thickness: 5μ or More
PSSFJ	PSSFU	-	SUS440C or 13Cr stainless		
RSFJ	-	-	SUJ2 Equivalent		
-	-	PSFG	S45C Equivalent	-	Hard Chrome Plating - Plating Hardness: HV750 ~, Plating Thickness: 10μ or More
-	-	PSSFG	SUS304		

[!]Features of Low Temp. Black Chrome Plating [p1_158](#)
[!]L Dimension Tolerance, Circularity, Straightness, Perpendicularity, Concentricity and Changes in Hardness >> P.141

Specifications

Part Number

-

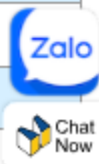
L

SFJ20

-

75

Part Number		L 1mm Increments	D Tol.			C
Type	D		g6	h5	f8	
	3	10~ 400	-0.002 -0.008	0 -0.004	-	0.2 or Less
	4	10~ 400	-0.004 -0.012	0 -0.005	-	0.2 or Less
	5	10~ 400	-0.004 -0.012	0 -0.005	-	0.2 or Less
	6	15~ 800	-0.004 -0.012	0 -0.005	-0.010 -0.028	0.5 or Less
	8	15~1000	-0.005 -0.014	0 -0.006	-0.013 -0.035	0.5 or Less
	10	15~1000	-0.005 -0.014	0 -0.006	-0.013 -0.035	0.5 or Less
	12	15~1000	-0.006 -0.016	0 -0.006	-0.016 -0.035	0.5 or Less



(D Tol. g6) SFJ SSFJ PSFJ PSSFJ	(D Tol. h5) SFU SSFU PSFU PSSFU	(D Tol. f8) PSFG PSSFG	10	15~1000	-0.008 -0.014	0 -0.008	-0.013 -0.035	0.5 or Less
			12	15~1000	-0.008 -0.017	0 -0.008	-0.016 -0.043	0.5 or Less
			13	15~1200	-0.008 -0.017	0 -0.008	-0.016 -0.043	0.5 or Less
			15	15~1200	-0.008 -0.017	0 -0.008	-0.016 -0.043	0.5 or Less
			16	30~1200	-0.008 -0.017	0 -0.008	-0.016 -0.043	0.5 or Less
			18	30~1200	-0.008 -0.017	0 -0.008	-0.016 -0.043	0.5 or Less
			20	30~1200	-0.007 -0.020	0 -0.009	-0.020 -0.053	1.0 or Less
			25	35~1200	-0.007 -0.020	0 -0.009	-0.020 -0.053	1.0 or Less
			30	35~1500	-0.007 -0.020	0 -0.009	-0.020 -0.053	1.0 or Less
			35	35~1500	-0.009 -0.025	0 -0.011	-0.025 -0.064	1.0 or Less
			40	50~1500	-0.009 -0.025	0 -0.011	-0.025 -0.064	1.0 or Less
			50	65~1500	-0.009 -0.025	0 -0.011	-0.025 -0.064	1.0 or Less

Part Number		L 1mm Increments	D Tol. g6	C
Type	D			
(D Tol. g6) Low Temp. Black Chrome Plating RSFJ	3	10~400	-0.002 -0.008	0.2 or Less
	4	10~400	-0.004 -0.012	0.2 or Less
	5	10~400	-0.004 -0.012	0.2 or Less
	6	20~500	-0.004 -0.012	0.5 or Less
	8	20~500	-0.005 -0.014	0.5 or Less
	10	20~500	-0.005 -0.014	0.5 or Less
	12	20~500	-0.006 -0.017	0.5 or Less
	13	25~500	-0.006 -0.017	0.5 or Less
	15	25~500	-0.006 -0.017	0.5 or Less
	16	30~500	-0.006 -0.017	0.5 or Less

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	25	35~500	-0.007 -0.020	1.0 or Less
	30	35~500	-0.007 -0.020	1.0 or Less

Part Number		L Fixed	D Tol. g6	C
Type	D			
ZSFJ	10	100	-0.005 -0.014	0.5 or Less
		100	-0.006 -0.017	0.5 or Less
	12	300	-0.007 -0.020	0.5 or Less
		200	-0.007 -0.020	1.0 or Less
	20	300	-0.007 -0.020	1.0 or Less
		300	-0.007 -0.020	1.0 or Less



Alterations



Alterations



Part Number - **L** - (LKC, SC~etc.)
SFJ30 - 250 - LKC

Alterations	Code	Spec.
	LKC	L Dimension Tolerance Change (Precision) (Ordering Code) LKC L dimensions can be specified in 0.1mm increment for LKC. ① L<200 → L±0.03 200≤L<500 → L±0.05 L≥500 → L±0.1
	SC	Wrench Flats at One Location (Ordering Code) SC5 ① Application Notes: Applicable to D=6 or more SC = 1mm Increment ② SC±0.1 ③ SC±0 ④ Not available in combination with WSC.
	WSC	Wrench Flats at Two Locations (Ordering Code) WSC12-X8 ① Application Notes: Applicable to D=6 or more WSC, X=1mm Increment ② WSC±X±0.2<L ③ WSC±0 ④ Orientation between wrench flats is not explain. Not available in combination with SC.
	FC	Set Screw Flat at One Location (Ordering Code) FC10-A8 FC, A=1mm Increment ① D≤30: FC≤5xD, D≥35: FC≤3xD ② A=0 or A≥2 ③ Not available in combination with WFC.
	WFC	Set Screw Flats at Two Locations (Ordering Code) WFC10-A8-E20 WFC, A, E=1mm Increment ① D≤30: WFC≤5xD, D≥35: WFC≤3xD ② A/E=0 or A/E≥2 ③ Orientation between set screw flats is not explain. Not available in combination with FC.

Alteration Details P.143

Alterations	Code	Spec.
	RC	90-deg. Set Screw Flat at One Location (Ordering Code) RC10 ① Application Notes: Only applicable to D=10 ~ 30. ② Not available in combination with WRC.
	WRC	90-deg. Set Screw Flats at Two Locations (Ordering Code) WRC10-Y10 ① Application Notes: Only applicable to D=10 ~ 30. ② Not available in combination with RC. ③ Orientation between two set screw flats is not explain.
	VC	V Groove at One Location (Ordering Code) VC8 ① Application Notes: Applicable to D=6 or more ② Not available in combination with WVC.
	WVC	V Grooves at Two Locations (Ordering Code) WVC180-F8 ① Application Notes: Applicable to D=6 or more ② Not available in combination with VC.
	KC	Add Keyway (Ordering Code) KC10-G10 WKC10-C8-KC10-G10 ① Application Notes: Only applicable to D=12, 16, 20, 25 and 30.
	WKC	

- ① Please see Shaft Alteration Overview for details if provided. P.143
- ② When ordering multiple alteration additions, the distance between machined areas should be greater than 2mm. P.144
- ③ Alterations may lower hardness. See P.142

