

# Linear Shafts High Accuracy, Standard Type

## -Straight Type-

■ Suitable for use with high precision/endurance products. Suitable for mounting with shaft supports.

When ordering, select Part Number and Values from Selection Steps ①~③. \* For the length, specify only the number. Letter "L" is not needed.

Ordering Example

Part Number (①Type-②D) - ③L

SFJ20 - 75\*

Configurable

Type	D Tol.	Equivalent Materias	Hardness	Surface Treatment
SFJ	g6	SUJ2	58HRC~	Induction Hardening Effective Hardening Depth P.89
SSFJ		SUS440C	56HRC~	
PSFJ		SUJ2	58HRC~	
PSSFJ		SUS440C	56HRC~	

Hard Chrome Plating  
Plating Hardness: HV750 ~  
Plating Thickness: 3μ or More

Ⓜ CAD 2D 3D

RoHS 10

Ⓜ Circularity, Straightness P.89

Part Number	①Type	②D <sub>g6</sub>	③L 1mm Increments	C
SFJ SSFJ PSFJ PSSFJ	3	-0.002	10~ 400	0.2 or Less
		-0.008	10~ 400	
		-0.012	20~ 600	
	8	-0.005	20~ 800	0.5 or Less
		-0.014	20~ 800	
		-0.017	25~1000	
	12	-0.006	25~1000	1.0 or Less
		-0.017	30~1200	
		-0.020	35~1500	
	15	-0.007	35~1500	1.0 or Less
		-0.020	35~1500	
		-0.025	50~1500	
	20	-0.009	50~1500	1.0 or Less
		-0.025	65~1500	
		-0.025	65~1500	

Ⓜ For the products that are not shown on the catalog, refer to the relevant Web page.

Alterations

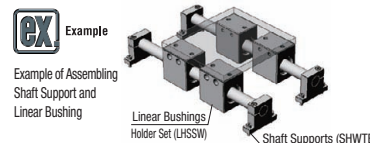
Part Number (①Type-②D) - ③L - (LKC, SC...etc.)

SFJ30 - 250 - LKC

Alterations	Code	Spec.
	LKC	Changes to L dimension tolerance L<200 → L±0.03 200≤L<500 → L±0.05 L≥500 → L±0.1 L dimensions can be specified in 0.1mm increments for LKC.
	SC	Wrench Flat at One Location -Ordering Code> SC5 -Application Notes> Applicable to D=6 or More SC=1mm Increments Ⓜ SC+ℓ₁≤LS Ⓜ SC≥0
	FC	Set Screw Flat at One Location -Ordering Code> FC10-A8 FC and A=1mm Increments Ⓜ FC≤3xD Ⓜ When 1.5xD<FC, FC≤L/2 Ⓜ A=0 or A≥2 Ⓜ Cannot be used with WFC.
	WFC	Set Screw Flats at Two Locations -Ordering Code> WFC10-A8-E20 WFC, A and E=1mm Increments Ⓜ WFC≤3xD Ⓜ When 1.5xD<WFC, 2WFC≤L/2 Ⓜ A(E)=0 or A(E)≥2 Ⓜ Cannot be machined on the same plane. Cannot be used with WSC.

Alterations	Code	Spec.
	VC	V Groove at One Location -Ordering Code> VC8 -Application Notes> Applicable to D=6 or More VC=1mm Increments Ⓜ VC>W Ⓜ Cannot be used with WVC.
	WVC	V Grooves at Two Locations -Ordering Code> WVC180-F8 -Application Notes> Applicable to D=6 or More WVC and F=1mm Increments Ⓜ F>W Ⓜ Cannot be used with VC.

Ⓜ When selecting multiple alteration additions, the distance between machined areas should be greater than 2mm.  
Ⓜ Alterations may lower hardness. P.89



# MISUMI C-VALUE Linear Shafts

## -Straight Type-

■ Suitable for use with lower priced products not requiring high precision/endurance. Suitable for mounting Induction Hardening with shaft supports.

When ordering, select Part Number and Values from Selection Steps ①~③. \* For the length, specify only the number. Letter "L" is not needed.

Ordering Example

Part Number (①Type-②D) - ③L

CPSFJ20 - 75\*

Configurable

Type	D Tol.	Equivalent Materias	Hardness	Surface Treatment
CSFJ	h8	S45C	55HRC~	Induction Hardening Effective Hardening Depth P.89
CPSFJ				

Hard Chrome Plating  
Plating Hardness: HV750 ~  
Plating Thickness: 5μ or More

Ⓜ CAD 2D 3D

RoHS 10

Ⓜ Circularity, Straightness P.89

Part Number	①Type	②D <sub>h8</sub>	③L 1mm Increments	C
CSFJ CPSFJ	6	0	20~ 600	0.5 or Less
		-0.018	20~ 800	
		0	20~ 800	
		-0.022	20~1000	
		-0.027	25~1000	
CPSFJ	20	0	30~1200	1.0 or Less
		-0.033	35~1200	
		0	35~1200	
		-0.033	35~1200	
		-0.033	35~1200	

Ⓜ CSFJ: D is 16 or Less.

Alterations

Part Number (①Type-②D) - ③L - (LKC, SC...etc.)

CPSFJ20 - 250 - LKC

Alterations	Code	Spec.
	LKC	Changes to L dimension tolerance L dimensions can be specified in 0.1mm increments for LKC.
	SC	Wrench Flat at One Location -Ordering Code> SC5 SC=1mm Increments Ⓜ SC+ℓ₁≤L Ⓜ SC≥0
	FC	Set Screw Flat at One Location -Ordering Code> FC10-A8 FC and A=1mm Increments Ⓜ FC≤3xD Ⓜ When 1.5xD<FC, FC≤L/2 Ⓜ A=0 or A≥2 Ⓜ Not available in combination with WFC.
	WFC	Set Screw Flats at Two Locations -Ordering Code> WFC10-A8-E20 WFC, A and E=1mm Increments Ⓜ WFC≤3xD Ⓜ When 1.5xD<WFC, 2WFC≤L/2 Ⓜ A(E)=0 or A(E)≥2 Ⓜ Cannot be machined on the same plane. Cannot be used with WSC.

Alterations	Code	Spec.
	VC	V Groove at One Location -Ordering Code> VC8 VC=1mm Increments Ⓜ VC>W Ⓜ Cannot be used with WVC.
	WVC	V Grooves at Two Locations -Ordering Code> WVC180-F8 WVC and F=1mm Increments Ⓜ F>W Ⓜ Cannot be used with VC.

Ⓜ When selecting multiple alteration additions, the distance between machined areas should be greater than 2mm.  
Ⓜ Alterations may lower hardness. P.89

Example Shafts can be fixed with machined slits, etc.

