

# Linear Shafts High Accuracy, Standard Type

## -One End Female Thread-

■ Suitable for use with high precision/endurance products. Through hole can be easily machined on the opposite end.

When ordering, select Part Number and Values from Selection Steps ①~④. \* For the length, specify only the number. Letter "L" is not needed.

Ordering Example

Part Number (①Type-②D) - (③L) - (④M)

SFJT20 - 325\* - M8

**Configurable**

Type	D Tol.	Equivalent Materials	Hardness	Surface Treatment
SFJT	g6	SUJ2	58HRC~	Induction Hardening Effective Hardening Depth P.89
SSFJT		SUS440C	56HRC~	
PSFJT		SUJ2	58HRC~	
PSSFJT		SUS440C	56HRC~	

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

⚠️ Annealing may lower hardness at shaft end machined areas (effective thread length + approx. 10mm), P.89

⚠️ Circularity, Straightness, Perpendicularity and Changes in Hardness P.89

CAD 2D 3D RoHS10

①Type	②Dg6	③L		④M (Coarse Threads) Selection		C
		1mm Increments				
SFJT SSFJT PSFJT PSSFJT	4	-0.004	20~ 300	2		0.2 or Less
	5	-0.012	20~ 400	2.6	3	
	6	-0.012	20~ 600	3		
	8	-0.005	20~ 800	3	4 5	0.5 or Less
	10	-0.014	20~ 800	3	4 5 6	
	12		20~1000	4	5 6 8	
	13	-0.006	25~1000	4	5 6 8	
	15	-0.017	25~1000	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	-0.007	35~1200	4	5 6 8 10 12 16		
30	-0.020	35~1500	6	8 10 12 16 20		
35	-0.009	35~1500	8	10 12 16 20 24		
40	-0.025	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. ⚠️ For the products that are not shown on the catalog, refer to the relevant Web page.

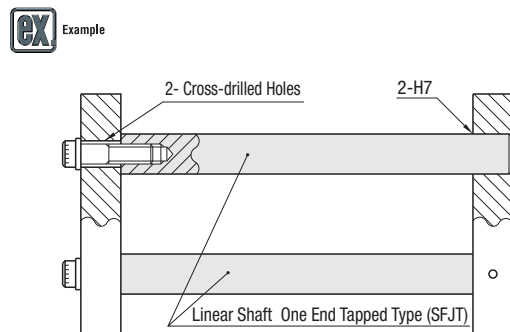
Alterations

Part Number (①Type-②D) - (③L) - (④M) - (LKC...etc.)

SFJT30 - 250 - M12 - LKC

Alterations	Code	Spec.
	LKC	Changes L dimension tolerance <Ordering Code> LKC L dimensions can be specified in 0.1mm increments for LKC. ⚠️ L<200 → ±0.03 200≤L<500 → ±0.05 L≥500 → ±0.1
	FC	Set Screw Flat at One Location <Ordering Code> FC10-E8 FC, and E=1mm Increments ⚠️ FC≤3xD ⚠️ When 1.5xD<FC, FC≤L/2 ⚠️ E=0 or E≥2 ⚠️ Cannot be used with WFC.
	WFC	Set Screw Flats at Two Locations <Ordering Code> WFC8-A8-E4 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 FC.

⚠️ 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

## -One End Female Thread-

■ Suitable for use with lower priced products not requiring high precision/endurance. Through hole can be easily machined on the opposite end.

When ordering, select Part Number and Values from Selection Steps ①~④. \* For the length, specify only the number. Letter "L" is not needed.

Ordering Example

Part Number (①Type-②D) - (③L) - (④M)

CPSFJT20 - 325\* - M8

**Configurable**

Type	D Tol.	Equivalent Materials	Hardness	Surface Treatment
CSFJT	h8	S45C	55HRC~	Induction Hardening Effective Hardening Depth P.89
CPSFJT				

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

⚠️ Annealing may lower hardness at shaft end machined areas (effective thread length + approx. 20mm), P.89

⚠️ Circularity, Straightness, Perpendicularity and Changes in Hardness P.89

CAD 2D 3D RoHS10

①Type	②Dh8	③L		④M (Coarse Threads) Selection		C
		1mm Increments				
CSFJT CPSFJT	6	0	20~ 600	3		0.5 or Less
	8	-0.018	20~ 800	3	4 5	
	10	-0.022	20~ 800	3	4 5 6	
	12		20~1000	4	5 6 8	
	13	0	25~1000	4	5 6 8	
CPSFJT	16	-0.027	30~1200	4	5 6 8 10	1.0 or Less
	20		30~1200	4	5 6 8 10 12	
	25	0	35~1200	4	5 6 8 10 12 16	
	30	-0.033	35~1200	6	8 10 12 16 20	
				6	8 10 12 16 20	

⚠️ CSFJT: D is 16 or Less. ⚠️ When Mx2.5+4≥L, tap pilot holes may go through.

Alterations

Part Number (①Type-②D) - (③L) - (④M) - (LKC...etc.)

CPSFJT20 - 250 - M12 - LKC

Alterations	Code	Spec.
	LKC	Changes L dimension tolerance <Ordering Code> LKC L dimensions can be specified in 0.1mm increments for LKC. ⚠️ L<200 → ±0.03 200≤L<500 → ±0.05 L≥500 → ±0.1
	FC	Set Screw Flat at One Location <Ordering Code> FC10-E8 FC, and E=1mm Increments ⚠️ FC≤3xD ⚠️ When 1.5xD<FC, FC≤L/2 ⚠️ E=0 or E≥2 ⚠️ Cannot be used with WFC.
	WFC	Set Screw Flats at Two Locations <Ordering Code> WFC8-A8-E4 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 FC.

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

