Shafts

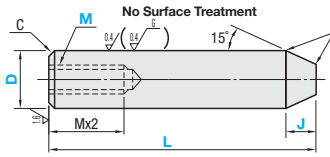
One End Tapered, One End Stepped and Tapped / One End Threaded

■One End Tapered, One End Tapped

RoHS10

Type		M Material	H Hardness	S Surface Treatment
D Tol. g6	D Tol. h5			
SFTF	SFLU	SUJ2 Equivalent	Effective Hardened Depth of Induction Hardening P.112	-
SSFTF	SSFLU	SUS440C or 13Cr stainless		
PSFTF	PSFLU	SUJ2 Equivalent	SUJ2 Equivalent 58HRC~	Hard Chrome Plating Plating Hardness: HV750 ~ Plating Thickness: 5μ or More ~
PSSFTF	PSSFLU	SUS440C or 13Cr stainless	SUS440C or 13Cr stainless 56HRC~	

D Tol.		
D	g6	h5
6	-0.004 -0.012	0 -0.005
8 10	-0.005 -0.014	0 -0.006
12 13 15 16 18	-0.006 -0.017	0 -0.008
20	-0.007 -0.020	0 -0.009

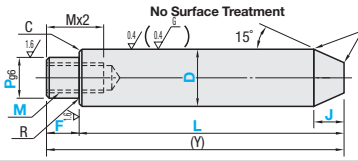


- Hardness of J+10 area will be lower due to annealing required for machining.
- Case hardening and plating layers do not remain on the tapered area.
- L Dimension Tolerance, Circularity, Straightness, Perpendicularity, Concentricity and Changes in Hardness P.111
- Annealing may lower hardness at shaft end machined areas (effective thread length + approx. 10mm).

■One End Tapered, One End Stepped and Tapped

RoHS10

Type		M Material	H Hardness	S Surface Treatment
D Tol. g6	D Tol. h5			
SFTG	SFJU	SUJ2 Equivalent	Effective Hardened Depth of Induction Hardening P.112	-
SSFTG	SSFJU	SUS440C or 13Cr stainless		
PSFTG	PSFJU	SUJ2 Equivalent	SUJ2 Equivalent 58HRC~	Hard Chrome Plating Plating Hardness: HV750 ~ Plating Thickness: 5μ or More ~
PSSFTG	PSSFJU	SUS440C or 13Cr stainless	SUS440C or 13Cr stainless 56HRC~	



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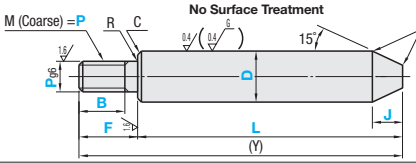
- Case hardening and plating layers do not remain on the tapered area.
- L Dimension Tolerance, Circularity, Straightness, Perpendicularity, Concentricity and Changes in Hardness P.111
- Annealing may lower hardness at shaft end machined areas (effective thread length + approx. 10mm).

■One End Tapered, One End Threaded

RoHS10

Type		M Material	H Hardness	S Surface Treatment
D Tol. g6	D Tol. h5			
SFTN	SFKU	SUJ2 Equivalent	Effective Hardened Depth of Induction Hardening P.112	-
SSFTN	SSFKU	SUS440C or 13Cr stainless		
PSFTN	PSFKU	SUJ2 Equivalent	SUJ2 Equivalent 58HRC~	Hard Chrome Plating Plating Hardness: HV750 ~ Plating Thickness: 5μ or More ~
PSSFTN	PSSFKU	SUS440C or 13Cr stainless	SUS440C or 13Cr stainless 56HRC~	



- Hardness of J+10 area will be lower due to annealing required for machining.
- Case hardening and plating layers do not remain on the tapered area.
- L Dimension Tolerance, Circularity, Straightness, Perpendicularity, Concentricity and Changes in Hardness P.111
- Annealing may lower hardness at shaft end machined areas (effective thread length + approx. 10mm).

■One End Tapered, One End Tapped

Part Number Type		D	1mm Increment L	J	M (Coarse) Selection	C
		6	25~200	5~7	3	
		8	25~200	5~10	3 4 5	
(D Tolerance g6)	(D Tolerance h5)	10	30~200	5~14	3 4 5 6	
SFTF	SFLU	12	40~300	5~18	4 5 6 8	0.5 or Less
SSFTF	SSFLU	13	40~300	5~20	4 5 6 8	
PSFTF	PSFLU	15	50~300	10~24	4 5 6 8	
PSSFTF	PSSFLU	16	50~500	10~25	4 5 6 8 10	
		18	60~500	10~28	4 5 6 8 10 12	
		20	60~500	10~32	4 5 6 8 10 12	1.0 or Less

L requires L-J≥20.

■One End Tapered, One End Stepped and Tapped

Part Number Type		D	1mm Increment L	F	P	J	M (Coarse) Selection	(Y) Max.	R	C
		8	25~198		6	5~10	3	200		
		10	30~198		6~8	5~14	3 4 5	200		
(D Tolerance g6)	(D Tolerance h5)	12	40~298		6~10	5~18	3 4 5 6	300		
SFTG	SFJU	13	40~298	2≤F≤Px4	6~11	5~20	3 4 5 6 8	300	0.3 or Less	0.5 or Less
SSFTG	SSFJU	15	50~298		6~13	10~24	3 4 5 6 8 10	300		
PSFTG	PSFJU	16	50~498		6~14	10~25	3 4 5 6 8 10	500		
PSSFTG	PSSFJU	18	60~498		8~16	10~28	4 5 6 8 10 12	500		
		20	60~498		8~17	10~32	4 5 6 8 10 12	500		1.0 or Less

P dimensions require M+3≤P. L requires L-J≥20.

■One End Tapered, One End Threaded

Part Number Type		D	1mm Increment L	F	B	P Selection	1mm Increment J	(Y) Max.	R	C
		6	25~198			3 4 5 6	5~7	200		
		8	25~198		B≤F-2	3 4 5 6 8	5~10	200		
(D Tolerance g6)	(D Tolerance h5)	10	30~198		(When P≤6)	4 5 6 8 10	5~14	200		
SFTN	SFKU	12	40~298		B≤F-3	5 6 8 10 12	5~18	300		
SSFTN	SSFKU	13	40~298	2≤F≤Px5	(When P=8, 10)	5 6 8 10 12	5~20	300	0.3 or Less	0.5 or Less
PSFTN	PSFKU	15	50~298		B≤F-5	5 6 8 10 12	10~24	300		
PSSFTN	PSSFKU	16	50~498		(When P≥12)	5 6 8 10 12 16	10~25	500		
		18	60~498		B=0	5 6 8 10 12 16	10~28	500		
		20	60~498		(W/o Threads)	5 6 8 10 12 16 20	10~32	500		1.0 or Less

When D=P, specify F=B as B dimensions. However, L and F dimensions have manufacturing priority and B dimension of the product will be F -(Pitchx2).
Thread machining will not be applied when B=0 is specified. L requires L-J≥20. B≥Pitchx3 is required.