

Shafts

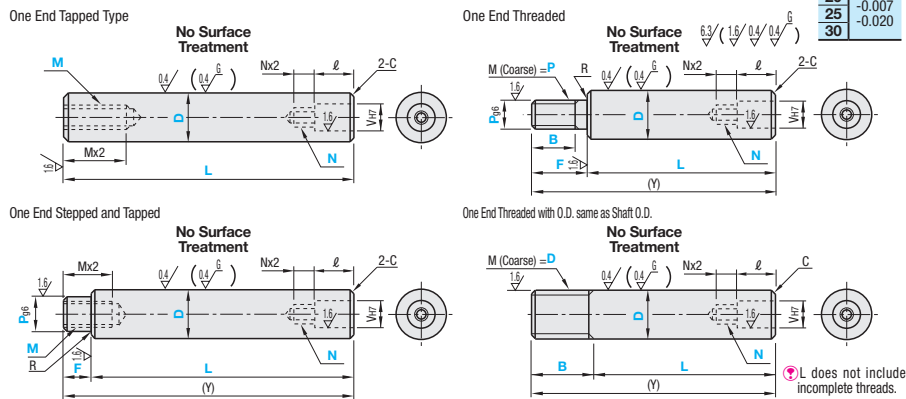
Tapped Pilot Type



RoHS 10

⚠️ Annealing may lower hardness at shaft end machined areas (effective thread length + approx. 10mm).
 ⚠️ L Dimension Tolerance, Circularity, Straightness, Perpendicularity, Concentricity and Changes in Hardness P.111

Type				Material	Hardness	Surface Treatment	D Tol.	
One End Tapped	One End Stepped and Tapped	One End Threaded	One End Threaded with O.D. same as Shaft O.D.				D	g6
SFIT	SFIG	SFIN	SFIQ	SUJ2 Equivalent	Effective Hardened Depth of Induction Hardening P.112	-	12	-0.006
SSFIT	SSFIG	SSFIN	SSFIQ	SUS440C or 13Cr stainless			13	-0.017
PSFIT	PSFIG	PSFIN	PSFIQ	SUJ2 Equivalent			15	-0.007
PSSFIT	PSSFIG	PSSFIN	PSSFIQ	SUS440C or 13Cr stainless			16	-0.020



One End Tapped, One End Stepped and Tapped

Part Number	Type	1mm Increment			Selection				Pilot Dimensions				(Y) Max.	R	C
		D	L	F	P	M Coarse (Tapped)	M Coarse (Stepped and Tapped)	N (Selection)	Hole Diameter	Hole Depth					
Tapped Type	12	25-1000	6-10	4 5 6 8	4 5 6	4	8	9	1000	0.5 or Less	1.0 or Less	M Pitch	4	0.7	Coarse Thread Dimension
SFIT	13	25-1000	6-11	4 5 6 8	4 5 6 8	4 5	10	11	1000				5	0.8	
SSFIT	15	25-1000	6-13	4 5 6 8 10	4 5 6 8 10	4 5	10	11	1000	8	1.25	6	1.0		
PSFIT	16	30-1200	6-14	4 5 6 8 10	4 5 6 8 10	4 5 6	12	13	1200	10	1.5	12	1.75	1.0 or Less	
PSSFIT	18	30-1200	8-16	4 5 6 8 10 12	4 5 6 8 10 12	4 5 6	12	13	1200	16	2.0	16	2.0		
SFIG	20	30-1200	8-17	4 5 6 8 10 12	4 5 6 8 10 12	5 6 8 10	16	17	1200	20	2.5	20	3.0		
SSFIG	25	35-1200	8-22	4 5 6 8 10 12 16	4 5 6 8 10 12 16	6 8 10 12	20	21	1200	24	3.0	24	3.0		
PSFIG	30	35-1500	9-27	6 8 10 12 16 20 24	6 8 10 12 16 20 24	6 8 10 12	20	21	1500	30	3.5	30	3.5		

⚠️ L(Y) > Mx2.5 + 4 + L + Nx1.5 + 4 is required to have effective thread length. • One End Stepped and Tapped ⚠️ P dimensions require M+3<P.

One End Threaded, One End Threaded with O.D. same as Shaft O.D.

Part Number	Type	1mm Increment		Selection			Pilot Dimensions			(Y) Max.	R	C
		D	L	F	B (Threaded)	P	N (Selection)	Hole Diameter	Hole Depth			
Threaded Type	*12	25-998	5 6 8 10 12	4	8	9	1000	0.5 or Less	1.0 or Less	M Pitch	Coarse Thread Dimension	
SFIN	13	25-998	5 6 8 10 12	4 5	10	11	1000					
SSFIN	15	25-998	5 6 8 10 12 16	4 5 6	10	11	1000	12	13	1200		
PSFIN	*16	25-1198	5 6 8 10 12 16	4 5 6	12	13	1200	16	17	1200		
SFIQ	*18	25-1198	6 8 10 12 16 20	5 6 8 10	16	17	1200	20	21	1200		
SSFIQ	*20	25-1198	8 10 12 16 20 24	6 8 10 12	20	21	1200	24	25	1200		
PSFIQ	*25	25-1198	8 10 12 16 20 24 30	6 8 10 12	20	21	1500			1500		

⚠️ Overall length L requires Nx2.5 + L < L.

One End Tapped

Part Number	Type	Unit Price												
		D	Min. L	L51	L101	L151	L201	L301	L401	L501	L601	L801	L1001	L1201
12														
13														
15														
16														
18														
20														
25														
30														
12	SFIT													
13	SFIT													
15	SFIT													
16	SFIT													
18	SFIT													
20	SFIT													
25	SFIT													
30	SFIT													
12	SSFIT													
13	SSFIT													
15	SSFIT													
16	SSFIT													
18	SSFIT													
20	SSFIT													
25	SSFIT													
30	SSFIT													
12	PSFIT													
13	PSFIT													
15	PSFIT													
16	PSFIT													
18	PSFIT													
20	PSFIT													
25	PSFIT													
30	PSFIT													
12	PSSFIT													
13	PSSFIT													
15	PSSFIT													
16	PSSFIT													
18	PSSFIT													
20	PSSFIT													
25	PSSFIT													
30	PSSFIT													

One End Stepped and Tapped

Part Number	Type	Unit Price												
		D	Min. L	L51	L101	L151	L201	L301	L401	L501	L601	L801	L1001	L1201
12														
13														
15														
16														
18														
20														
25														
30														
12	SFIG													
13	SFIG													
15	SFIG													
16	SFIG													
18	SFIG													
20	SFIG													
25	SFIG													
30	SFIG													
12	SSFIG													
13	SSFIG													
15	SSFIG													
16	SSFIG													
18	SSFIG													
20	SSFIG													
25	SSFIG													
30	SSFIG													
12	PSFIG													
13	PSFIG													
15	PSFIG													
16	PSFIG													
18	PSFIG													
20	PSFIG													
25	PSFIG													
30	PSFIG													
12	PSSFIG													
13	PSSFIG													
15	PSSFIG													
16	PSSFIG													
18	PSSFIG													
20	PSSFIG													
25	PSSFIG													
30	PSSFIG													

One End Threaded One End Threaded with O.D. same as Shaft O.D.

Part Number	Type	D	Unit Price											
			Min. L	L51	L101	L151	L201	L301	L401	L501	L601	L801	L1001	L1201
*12														
13														
15														
16														
18														
20														
25														
30														
*12	SFIN													
13	SFIN													
15	SFIN													
16	SFIN													
18	SFIN													
20	SFIN													
25	SFIN													
30	SFIN													
*12	SSFIN													
13	SSFIN													
15	SSFIN													
16	SSFIN													
18	SSFIN													
20	SSFIN													
25	SSFIN													
30	SSFIN													
*12	PSFIN													
13	PSFIN													
15	PSFIN													
16	PSFIN													
18	PSFIN													
20	PSFIN													
25	PSFIN													
30	PSFIN													
*12	PSSFIN													
13	PSSFIN					</								