Shafts Surface Treatment Fully-Plated Type



Straight Type, One End Tapped Type – One End Stepped and Tapped Type

Part Number		1 mm Increments								
Туре	D	L (Straight / One End Tapped)	L (One End Stepped and Tapped)	F	Р	(One End Tapped)	(One End Stepped and Tapped)		R	C
Straight Type PSFCJ	8	20-800	25-798	2≤F≤Px4	6	3 4 5	3	800 800		
	10	20-800	25-798		6-8	3 4 5 6	3 4 5			0.5 or Less
	12	20-1000	25-998		6–10	4 5 6 8	3 4 5 6	1000	00 0.3 00 or 00 Less 00	
One End Tapped Type PSFCT	15	25-1000	25-998		6-13	4 5 6 8 10	3 4 5 6 8 10	1000		
	20	30-1000	25-998		6-17	4 5 6 8 10 12	4 5 6 8 10 12	1000		
	25	35-1000	25-998		8-22	4 5 6 8 10 12 16	4 5 6 8 10 12 16	1000		
One End Stepped and Tapped PSFCG	30	35-1000	25-998		9-27	6 8 10 12 16 20	5 6 8 10 12 16 20	1000		1.0
	35	35-1000	25-998		9-32	8 10 12 16 20 24	5 6 8 10 12 16 20 24	1000) 0.5 L) or) Less	0ľ
	40	50-1000	25-998		11-37	10 12 16 20 24 30	6 8 10 12 16 20 24 30	1000		2000
	50	65-1000	25-998		11-47	12 16 20 24 30	6 8 10 12 16 20 24 30	1000		

One End Tapped Typed 🛈 When Mx2.5+4≥L, tap pilot holes may go through. • One End Stepped and Tapped 🛈 P≥M+3 🛈 When Mx2.5+4≥L, tap pilot holes may go through.

One End Threaded

Part Number		1 mm Increments		р (Ү) р	6	Coarse Thread			
Туре	D	L	F	В	Ma	x. "		Dimension		
One End Threaded	8	25-798		(When P≤6) B≤F-2 (When P=8, 10) B≤F-3 (P≥12) B≤F-5	3 4 5 6 80	0	0.5	MP	Pitch	
	10	25-798	2≤F≤Px5		(when P≤6) 4 5 6 8	4 5 6 8 80	0	or	3	0.5
	12	25-998			5 6 8 10 100	0 0.3	Less	5	0.8	
	15	25-998			5 6 8 10 12 100	0 or	or Less	6	1.0	
	20	25-998			6 8 10 12 16 100	0 Less		8	1.25	
PSFCN	25	25-998			8 10 12 16 20 24 100	0	10	10	1.5	
	30	25-998			8 10 12 16 20 24 100	0	or	12	1.75	
	35	25-998			10 12 16 20 24 30 100	0 0.5	Less	20	2.0	
	40	25-998		O B≥Pitchx3	12 16 20 24 30 100	10 or		24	3.0	
	50	25-998			16 20 24 30 100	0 Less		30	3.5	

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

Part Number		1 mm In	crements	M	(Y)	Р	C	
Туре	D	L B		IVI	Max.	n	U	
	8	25-793	7–40	8	800		0.5 or Less	
One End Threaded	10	25-795	8–50	10	800			
with 0.D. same as Shaft 0.D.	12	25-991	9-60	12	1000	0.3 Less than		
PSFCQ	20	25-987	13-100	20	1000		1.0.0x1.000	
	30	25-982	18-150	30	1000		1.0 OF Less	

O For shafts with 0.D. same as Shaft 0.D., L dimension has priority, thus the effective thread length will be B-(Pitchx2).

Shafts Surface Treatment Fully-Plated Type, *continued*

Part Number Part Number - F - B - P M PSFCJ20 - 75 - M8 PSFCG20 - 525 - M8 PSFC020 - 950 - F20 - P15 PSFC020 - 950 - F25 - M10 PSFC012 - 500 - B20 - P16 PSFC012 - 500 - B20 - M(MSC) - (LKCetc.) PSFCN30 - 250 - F40 - B30 - P10 - LKC						
(0	Alteration to L Dimension Tolerance	Wrench Flats	Set Screw Flat			
Alterations						
Code	LKC	SC	FC			
Spec.	Changes L Tolerance Ordering Code: LKC \bigcirc L<200 \rightarrow L±0.03 $200 \pm L \pm 0.05$ L $\pm 500 \rightarrow$ L±0.1 \bigcirc L dimensions can be specified in 0.1 mm increment for LKC. \bigotimes Not applicable to One End Threaded when D-P \pm 2. \bigotimes Not applicable to One End Threaded with 0.D. same as Shaft 0.D.	$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	Adds a screw flatOrdering Code: FC10-E8 \bigcirc FC, E = 1 mm Increment \bigcirc FC=2x3 \bigcirc \bigcirc When 1.5xD <fc, fc="L/2</td">\bigcirc E=0 or E=2\bigcirc \boxed{D} $\boxed{h}$$8-15$ 1$20-40$ 2$50$ 3</fc,>			
	Change to Fine Tapped Thread	Undercut	Change to Fine Thread			
Alterations	MSC (Fine Thread)		PMC, PMS (Fine Thread)			
Code	MSC	PC	PMC / PMS			
Spec.	Changes tapped threads to fine tapped threads shown in the table below. Ordering Code: MSC14 Applicable to One End Tapped Type and One End Stepped and Tapped Type. Specify in reference to D dimensions for One End Threaded Shafts; P dimensions for One End Stepped and Tapped Shafts. D / P MSC 15 8 10 20 8 10 12 14 25-35 8 10 12 14 18 40 10 12 14 18 50 112 14 18 50 112 14 18 9 Specify M dimensions with MSC. M dimension is equal to MSC.	Adds an undercut to P. Ordering Code: PC ① Undercut width=F-B ③ For detailed undercut dimensions, please see P.200. ③ Applicable to One End Threaded Type only. ③ Not applicable to M3–M5.	$\label{eq:constraint} \begin{array}{ c c c c c c c c c c c c c c c c c c c$			

O When selecting multiple alteration additions, the distance between machined areas should be greater than 2mm. P.201 O Alterations may lower hardness. P.199

• For detailed undercut dimensions. P.199

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