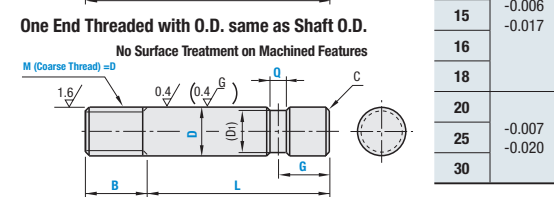
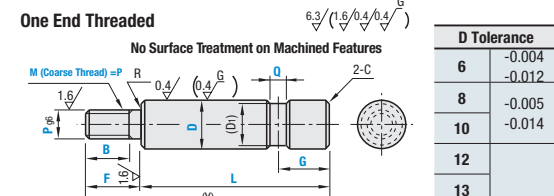
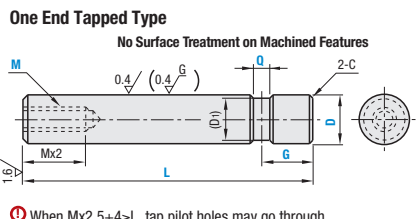
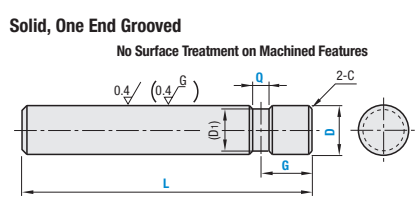
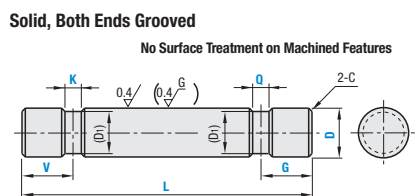




RcHS10

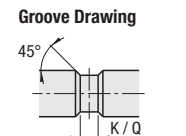
Ⓢ Annealing could reduce hardness at set screw grooved shaft end machined areas (effective thread length + approx. 10 mm).
Ⓢ Circularity, Straightness, Perpendicularity, Concentricity, Changes in Hardness P.198

Type					Material	Hardness	Surface Treatment
Solid Both Ends Grooved	Solid, One End Grooved	One End Tapped	One End Threaded	One End Threaded with O.D. same as Shaft O.D.			
SFJQ	SFJS	SFTS	SFNS	SFQS	52100 Bearing Steel Equivalent	Effective Hardened Depth of Induction Hardened P.199 52100 Bearing Steel Equivalent 58 HRC min.	Hard Chrome Plating Plating Hardness: HV 750~ Plating Thickness 5 μ or More
SSFJQ	SSFJS	SSFTS	SSFNS	SSFQS	SUS440C (13Cr) Stainless Steel Equivalent		
PSFJQ	PSFJS	PSFTS	PSFNS	PSFQS	52100 Bearing Steel Equivalent	SUS440C (13Cr) Stainless Steel Equivalent 56 HRC min.	
PSSFJQ	PSSFJS	PSSFTS	PSSFNS	PSSFQS	SUS440C (13Cr) Stainless Steel Equivalent		



D Tolerance

6	-0.004
8	-0.012
10	-0.005
12	-0.014
13	-0.006
15	-0.017
16	-0.007
18	-0.020
20	-0.007
25	-0.020
30	-0.020



Part Number	Type	D	L 1 mm Increment	One End Tapped		Slot Dimensions			D Tol. g6	C	Coarse Thread Dimensions	
				M (Coarse Threads)		V, G (0.1 mm Inc)	K, Q	D ₁			M	Pitch
Solid, Both Ends Grooved SFJQ SSFJQ PSFJQ PSSFJQ	Solid, Both Ends Grooved	6	20-900	3		5-18	4	5	-0.004	0.5 or Less	3	0.5
		8	20-1100	3 4 5	5-24	4 5	7	-0.005	4		0.7	
		10	20-1200	3 4 5 6	5-30	4 5	9	-0.014	5		0.8	
		12	20-1400	3 4 5 6 8	5-36	5	10		6		1.0	
		13	25-1400	3 4 5 6 8	5-39	5	11		8		1.25	
Solid, One End Grooved SFJS SSFJS PSFJS PSSFJS	Solid, One End Grooved	15	25-1400	3 4 5 6 8 10	5-45	5 6	13	-0.006	1.0 or Less	10	1.5	
		16	30-1400	4 5 6 8 10	5-48	5 6	14	-0.017		12	1.75	
		18	30-1400	4 5 6 8 10 12	5-54	5 6	16			16	2.0	
		20	30-1400	4 5 6 8 10 12	6-60	6 7	18			20	2.5	
One End Tapped Type SFTS SSFTS PSFTS PSSFTS	One End Tapped Type	25	35-1400	4 5 6 8 10 12 16	6-75	6 7	23	-0.007	1.0 or Less	24	3.0	
		30	35-1500	6 8 10 12 16 20 24	6-90	7	28	-0.020		30	3.5	

Ⓢ V+K/2+1≤L/2 or G+Q/2+1≤L/2 is required. Ⓢ For One End Tapped Type, G≤L-Mx2-Qx2 is required.
Ⓢ Total length L requires Mx2≤L.
Ⓢ When Mx2.5+4≥L, tap pilot hole may go through.

Part Number	Type	D	L	1 mm Increment		Section	Slot Dimensions			D Tol.	(Y) Max. g6	R	C
				F	B		P	G (1 mm Inc.)	Q (Selection)				
Threaded Type SFNS SSFNS PSFNS PSSFNS	Threaded Type	6	25-898	2≤F≤Px5	B≤F-2	When P≤6	3 4 5 6	5-18	4	5	-0.004	0.3 or Less	0.5 or Less
		8	25-1098				3 4 5 6 8	5-24	4 5	7	-0.012		
		10	25-1198				3 4 5 6 8 10	5-30	4 5	9	-0.014		
		12	25-1398				3 4 5 6 8 10 12	5-36	5	10			
		13	25-1398				4 5 6 8 10 12	5-39	5	11			
		15	25-1398				4 5 6 8 10 12	5-45	5 6	13	-0.006		
		16	25-1398				4 5 6 8 10 12 16	5-48	5 6	14	-0.017		
		18	25-1398				5 6 8 10 12 16	5-54	5 6	16			
		20	25-1398				5 6 8 10 12 16 20	6-60	6 7	18			
		25	25-1398				6 8 10 12 16 20 24	6-75	6 7	23	-0.007		
30	25-1498	8 10 12 16 20 24 30	6-90	7	28	-0.020							

Ⓢ V+K/2+1≤L/2 or G+Q/2+1≤L/2 is required.

Part Number	1 mm Increments			Slot Dimensions			(Y) Max.	C	
	Type	D	L	B (Threaded - Thread O.D. = Shaft O.D.)	G (1 mm Inc.)	Q (Selection)			D ₁
One End Threaded with O.D. same as Shaft O.D. SFQS SSFQS PSFQS PSSFQS	One End Threaded with O.D. same as Shaft O.D.	6	25-898	Pitchx3≤B≤Mx5 Ⓢ For One End Threaded with O.D. same as Shaft O.D., L dimensions have priority, thus the effective thread length will be B-(Pitchx2).	5-18	4	5	900	0.5 or Less
		8	25-1098		5-24	4 5	7	1100	
		10	25-1198		5-30	4 5	9	1200	
		12	25-1398		5-36	5	11	1400	
		16	25-1398		5-48	5 6	14	1400	
		20	25-1398		6-60	6 7	18	1500	1.0 or Less
		30	25-1498		6-90	7	28		

Ⓢ V+K/2+1≤L/2 or G+Q/2+1≤L/2 is required.

Part Number Example

Part Number	L	M	F	B	P	V	K	G	Q
SFJQ16	100					V10	K5	G10	Q5
SSFTS20	500	M10						G10	Q7
PSFNS8	650		F10	B8	P4			G20	Q4

Part Number Alterations

Part Number	L	M	F	B	P (PMC / PSC)	V	K	G	Q	(LKC / SC / FC)
PSFNS8	650		F10	B8	P4			G18	Q4	LKC

Ⓢ The distance between set screw grooves should be greater than 2 mm for alterations.
Ⓢ When selecting multiple alteration additions, the distance between machined areas should be greater than 2 mm. P.201
Ⓢ Alterations may lower hardness. P.199

Alterations	Alteration to L Dimension Tolerance	Wrench Flats	Set Screw Flats																																																
	LKC	SC	FC																																																
Code	LKC	SC	FC																																																
Spec.	<p>Changes L Tolerance.</p> <p>Ordering Code: LKC</p> <p>Ⓢ L<200 → L±0.03 200≤L<500 → L±0.05 L≥500 → L±0.1</p> <p>Ⓢ L dimension can be specified in 0.1 mm increments for LKC.</p> <p>Ⓢ Not applicable to One End Threaded Type when D-P≤2.</p> <p>Ⓢ Not applicable to One End Threaded with O.D. same as Shaft O.D.</p>	<p>Adds a wrench flats.</p> <p>Ordering Code: SC5</p> <p>Ⓢ SC=1 mm Increment Ⓢ SC+ℓ₁≤LSC=0 or SC≥1</p> <table border="1"> <tr><th>D</th><th>W</th><th>ℓ₁</th><th>D</th><th>W</th><th>ℓ₁</th></tr> <tr><td>6</td><td>5</td><td></td><td>16</td><td>14</td><td></td></tr> <tr><td>8</td><td>7</td><td>8</td><td>18</td><td>16</td><td>10</td></tr> <tr><td>10</td><td>8</td><td></td><td>20</td><td>17</td><td></td></tr> <tr><td>12</td><td>10</td><td></td><td>25</td><td>22</td><td></td></tr> <tr><td>13</td><td>11</td><td>10</td><td>25</td><td>27</td><td>15</td></tr> <tr><td>15</td><td>13</td><td></td><td></td><td></td><td></td></tr> </table> <p>Ⓢ Not applicable to Straight Type</p>	D	W	ℓ ₁	D	W	ℓ ₁	6	5		16	14		8	7	8	18	16	10	10	8		20	17		12	10		25	22		13	11	10	25	27	15	15	13					<p>Adds a screw flats.</p> <p>Ordering Code: FC10-E8</p> <p>Ⓢ FC, E = 1 mm Increment Ⓢ FC≤Dx3 Ⓢ When 1.5xD<FC, FC≤L/2 Ⓢ E=0 or E≥2</p> <table border="1"> <tr><th>D</th><th>h</th></tr> <tr><td>6-18</td><td>1</td></tr> <tr><td>20-30</td><td>2</td></tr> </table>	D	h	6-18	1	20-30	2
D	W	ℓ ₁	D	W	ℓ ₁																																														
6	5		16	14																																															
8	7	8	18	16	10																																														
10	8		20	17																																															
12	10		25	22																																															
13	11	10	25	27	15																																														
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