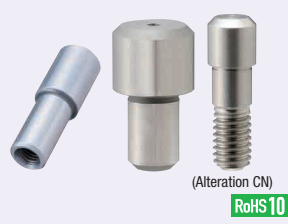


Locating Pins - Large Flat Head

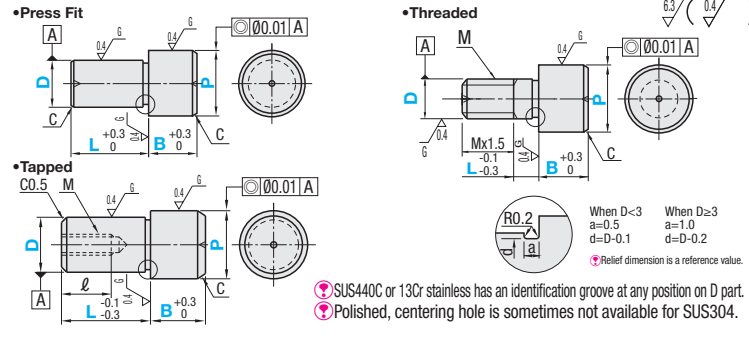
D and P Selectable Tolerance

For products uncovered by e-Catalog Standard, see P.131.

Features: Large Flat Head with each dimension configurable. The tolerances on both ends are also configurable.



Material No.	Material	Surface Treatment	Hardness	Type		
				Press Fit	Tapped	Threaded
(1)	SKS3 Equivalent	-	Treated Hardness: 60~63HRC	KFFA	KFFTA	KFFNA
(2)	SKS3 Equivalent	Hard Chrome Plating	Treated Hardness: 50~55HRC Plating Hardness: 750HV -	GKFFA	GKFFTA	GKFFNA
(3)	SKS3 Equivalent	-	-	BKFFA	BKFFTA	-
(4)	SUS304	-	-	SKFFA	SKFFTA	SKFFNA
(5)	SUS440C or 13Cr stainless	-	Treated Hardness: 50~55HRC	CKFFA	CKFFTA	-



Tolerance Selection

D or P	Standard Grade					Precision Grade	
	M	P	G	H	S	A	B
1.00	+0.008	+0.012	-0.002	0			
3.00	+0.002	+0.006	-0.008	-0.010			
3.01	+0.012	+0.020	-0.004	0			
6.00	+0.004	+0.012	-0.012	-0.012			
6.01	+0.015	+0.024	-0.005	0	0	+0.005	0
10.00	+0.006	+0.015	-0.014	-0.015	-0.01	0	-0.005
10.01	+0.018	+0.029	-0.006	0			
18.00	+0.007	+0.018	-0.017	-0.018			
18.01	+0.021	+0.035	-0.007	0			
30.00	+0.008	+0.022	-0.020	-0.021			

Press Fit

Part Number	D Tolerance	P Tolerance	D	P				C	Unit Price Standard Grade						
				0.01mm Increment	1mm Increment	0.1mm Increment	M		(1)	(2)	(3)	(4)	(5)		
KFFA GKFFA* BKFFA SKFFA CKFFA	M P G H *A *B	S M P G H *A *B	1	1.50-3.00	2-3	2.0-5.0	0.1								
			2	2.50-6.00	2-6	2.0-15.0	0.5								
			3	3.50-8.00	3-10	2.0-15.0									
			4	4.50-8.00	3(4)-14	2.0-15.0									
			5	5.50-10.00	5-15	2.0-15.0	1								
			6	6.50-10.00	5-15	2.0-30.0									
			8	8.50-15.00	5-16	2.0-30.0	1.5								
			10	11.00-17.00	5-20	3.0-30.0									
			12	13.00-18.00	6-24	3.0-30.0	2								
			13	14.00-20.00	7-26	5.0-30.0									
			16	17.00-27.00	8-32	5.0-35.0									
			20	22.00-30.00	10-40	5.0-40.0	3								

Tapped

Part Number	D Tolerance	P Tolerance	D	P			M	Tightening Torque N·cm	ℓ	C	Unit Price				
				0.01mm Increment	1mm Increment	0.1mm Increment					(1)	(2)	(3)	(4)	(5)
KFFTA GKFFTA BKFFTA SKFFTA CKFFTA	M P G H	S M P G H	6	6.50-10.00	6-12	1.5-15.0	M3	98	5	1					
			6T				M2.6	-	4						
			8	8.50-15.00	8-16	1.5-30.0	M5	461	8	1.5					
			8T				M4	225	6						
			10	11.00-17.00	10-20	3.0-30.0	M5	461	8	2					
			10T				M4	225	6						
			12	13.00-18.00	12-24	3.0-30.0	M5	461	8						
			12T				M4	225	6						
			13	14.00-20.00	13-26	5.0-30.0	M8	1911	10	3					
			13T				M6	784	9						
			16	17.00-27.00	16-32	5.0-35.0	M8	1911	12						
			16T				M6	784	9						
			20	22.00-30.00	20-40	5.0-40.0	M8	1911	12						
			20T				M6	784	9						

Threaded

Part Number	D Tolerance	P Tolerance	D	P			C	M	Tightening Torque N·cm	ℓ	C	Unit Price Standard Grade			
				0.01mm Increment	1mm Increment	0.1mm Increment						(1)	(2)	(3)	(4)
KFFNA GKFFNA* SKFFNA	M P G H *A *B	S M P G H *A *B	3	3.50-8.00	2-6	3.0-10.0	0.5	M3	98						
			4	4.50-8.00	2-8	4.0-10.0		M4	225						
			5	5.50-8.00	3-10	4.0-15.0	1	M5	461						
			6	6.50-10.00	3-10	4.0-15.0		M6	784						
			8	8.50-15.00	5-10	5.0-30.0	1.5	M8	1911						
			10	11.00-17.00	5-15	6.0-30.0		M10	3783						
			12	13.00-20.00	5-15	6.0-30.0	2	M12	6605						
			16	17.00-27.00	5-20	7.0-30.0		M16	16366						
			20	22.00-30.00	5-20	10.0-30.0	3	M20	32928						

Hard Chrome Plating products are not available with * marked Precision Grade Tolerance (Precision Grade A and B). *The tightening torque (ref. value) for hardened products is strength class 8.8. (See technical data on P.2365.) Not applicable when using locking materials or lock washers.

Ordering Example: Part Number [Type] [D Tol.] [P Tol.] [D] - [P] - [L] - [B]
KFFA M S 6 - P8.00 - L8 - B6.0

Alterations: Part Number [P] [L] [B] - (GDC, AC, CN, LAC) Precision Grade Price
KFFAMS6 - P8.0 - L8 - B6.0 - RC
When A, B tolerance is selected, multiply by 1.1 to the above unit price.

Alterations	Insertion Guide	Air Vent	C Chamfered Size	Wrench Hole Machining
Code	GDC	AC	CN	LAC
Spec.	Adds the insertion guide. (Ordering Code) GDC Insertion Guide D: 0.01 Not applicable when D<2 3-12 1 Not applicable to Threaded Type 13-20 2	Adds an air vent. (Ordering Code) AC D-0.15 Not applicable to Threaded Type.	Changes C Chamfering at P dimension part to 0.5 or less. (Ordering Code) CN C0.5 or Less Press Fit D<3 For Threaded Type, this Alteration is applicable when D<4. Not applicable to D dimension part.	Machines wrench holes. (Ordering Code) LAC D B 5.61 8.0 8.81 9.0 10.101 9.0 12.121 9.0 13.131 14.0 16.161 15.0 20.201 15.0 Wrench Hole Dimensions P Q 5.50-9.99 2 10.00-16.99 3.5 17.00- 5