

Locating Pins Small Head With Tapered Type

-Taper Angle Specified, DP Tolerance Selectable-

Materials No.	M	S	H	Type		Shape
				Standard	Female Thread	
(1)	SKS3	-	Hardening Hardness 60-63HRC	KFS	KFST	A (Round)
(2)	SKS3	Hard Chrome Plating Plating Thickness 3um or more	Hardening Hardness 60-63HRC Plating Hardness 750HV~	GKFS	GKFST	
(3)	SKS3	-	-	BKFS	BKFST	D (Diamond)
(4)	SUS304	-	-	SKFS	SKFST	
(5)	SUS304	Hard Chrome Plating Plating Thickness 3um or more	Plating Hardness 750HV~	HKFS	HKFST	
(6)	SUS40C Equivalent	-	Hardening Hardness 50-55HRC	CKFS	CKFST	

RoHS

Tolerance Selection

D or P	Standard Class					Precision Class	
	M	P	G	H	S	A	B
1.00	+0.008	+0.012	-0.002	0	-	-	-
3.00	+0.008	+0.006	-0.008	0	-	-	-
6.00	+0.012	+0.012	-0.012	0	-	-	-
10.00	+0.015	+0.024	-0.005	0	-	-	-
18.00	+0.018	+0.029	-0.006	0	-	-	-
20.00	+0.021	+0.035	-0.007	0	-	-	-

*The price of Precision Type is the price of Standard Type multiplying x1.1 (Round down to the nearest one yen)
 *Hard chrome plated is not applicable to precision tolerance.
 *SUS40C equivalent type has an identification groove on D part.
 *P-2EtanA>0.73 (Tip dia. 0.73 or above)
 Reference: tan15°=0.267 tan30°=0.577 tan45°=1 tan60°=1.732

Standard

• Standard (Round)

• Female Thread (Round)

(Diamond)

(Diamond)

*When D=P
 (1) Round Shape has no relief.
 (i) When D=P and tolerances are different
 $L \pm 0.3$ $B \pm 0.3$
 (ii) When D=P and tolerances are the same
 $(L+B)$
 (L+B) is the general tolerance.
 (2) Diamond-shape end has a relief.

Locating Pins Large Head/Small Head With Tapered Type

-Set Screws-

CAD Data Folder Name: Locating_Pins

Materials No.	M	S	H	Type			Shape Code
				Circumference Groove	Notch	Set Screw Flat	
(1)	SKS3	-	Hardening Hardness 60-63HRC	JPGT	JPCT	JPDT	S (Round)
(2)	SKS3	Hard Chrome Plating Plating Thickness 3um or more	Hardening Hardness 60-63HRC Plating Hardness 750HV~	GJPGT	GJPCT	GJPD	
(3)	SUS304	-	-	SJPGT	SJPCT	SJPD	D (Diamond)
(4)	SUS304	Hard Chrome Plating Plating Thickness 3um or more	Plating Hardness 750HV~	HJPGT	HJPCT	HJPD	
(5)	SUS40C Equivalent	-	Hardening Hardness 50-55HRC	CJPGT	CJPCT	CJPD	

RoHS

Circumference Groove Shape

Notch Shape

Set Screw Flat Shape

*SUS40C equivalent type has an identification groove on D part.
 1) Ls dimension is shall be the dimension of recommended dimension of the position of set screw tip.
 *L>A+G+1
 *Diamond-shape end has a relief
 *When D<P (Large head) *When D=P (Straight) *When D>P (Small Head)

D	g6
6	-0.004
8-10	-0.005
12-16	-0.006
20	-0.007

2) Select set screw position X or Y for Diamond or Notch Set Screw Type.

Type	Shapes	D Tolerance Selection	P Tolerance Selection	D	P	L	B	E	A Selection	C	(W)	Unit Price Qty. 1-4 Round Shape						Unit Price Qty. 1-4 Diamond Shape							
												(1) KFSA	(2) GKFS	(3) BKFS	(4) SKFS	(5) HKFS	(6) CKFS	(1) KFSD	(2) GKFD	(3) BKFD	(4) SKFD	(5) HKFD	(6) CKFD		
KFS GKFS BKFS SKFS HKFS CKFS	A (Round)	M	P	2	1.00-2.00	2-4	2.0-10.0	0.5	15	0.3	1.0	1	860	1,160	780	1,240	1,490	1,400	1,380	1,820	1,180	1,900	3,100	2,120	
				3	1,002.00-3.00	3-6	2.0-10.0					1.2	1,100	1,480	990	1,560	1,870	1,760	1,420	1,910	1,280	2,020	2,430	2,280	
				4	2.00-4.00	4-8	2.0-10.0					1.5	1,150	1,550	1,040	1,640	1,980	1,840	1,500	2,020	1,350	2,150	2,570	2,400	
				5	2.00-5.00	5-10	2.0-10.0					1.8	1,220	1,640	1,100	1,730	2,070	1,920	1,590	2,140	1,440	2,240	2,690	2,510	
				6	2.00-6.00	6-12	2.0-12.0					2.2	1,260	1,700	1,140	1,810	2,180	2,030	1,640	2,210	1,480	2,370	2,840	2,610	
				8	3.00-8.00	8-16	2.0-15.0					2.5	1,330	1,790	1,200	1,890	2,270	2,030	1,740	2,340	1,570	2,470	2,960	2,650	
				10	3.00-10.00	10-20	3.0-20.0					3	1,390	1,870	1,260	1,980	2,380	2,200	1,790	2,410	1,620	2,570	3,090	2,660	
				12	5.00-12.00	12-24	3.0-20.0					4	1,840	2,480	1,660	2,640	3,170	2,950	2,400	3,240	2,160	3,430	4,110	3,850	
				13	6.00-13.00	13-26	5.0-20.0					5	2,340	3,150	2,110	3,340	4,010	3,730	3,030	4,090	2,730	4,360	5,230	4,850	
				16	10.00-16.00	16-32	5.0-20.0																		
	20	13.00-20.00	20-40	5.0-20.0																					
	D (Diamond)	M	P	D	2	1.00-2.00	2-4	2.0-10.0	10.0	45	0.3	1.0	1	860	1,160	780	1,240	1,490	1,400	1,380	1,820	1,180	1,900	3,100	2,120
					3	1,002.00-3.00	3-6	2.0-10.0					1.2	1,100	1,480	990	1,560	1,870	1,760	1,420	1,910	1,280	2,020	2,430	2,280
					4	2.00-4.00	4-8	2.0-10.0					1.5	1,150	1,550	1,040	1,640	1,980	1,840	1,500	2,020	1,350	2,150	2,570	2,400
					5	2.00-5.00	5-10	2.0-10.0					1.8	1,220	1,640	1,100	1,730	2,070	1,920	1,590	2,140	1,440	2,240	2,690	2,510
					6	2.00-6.00	6-12	2.0-12.0					2.2	1,260	1,700	1,140	1,810	2,180	2,030	1,640	2,210	1,480	2,370	2,840	2,610
					8	3.00-8.00	8-16	2.0-15.0					2.5	1,330	1,790	1,200	1,890	2,270	2,030	1,740	2,340	1,570	2,470	2,960	2,650
					10	3.00-10.00	10-20	3.0-20.0					3	1,390	1,870	1,260	1,980	2,380	2,200	1,790	2,410	1,620	2,570	3,090	2,660
					12	5.00-12.00	12-24	3.0-20.0					4	1,840	2,480	1,660	2,640	3,170	2,950	2,400	3,240	2,160	3,430	4,110	3,850
					13	6.00-13.00	13-26	5.0-20.0					5	2,340	3,150	2,110	3,340	4,010	3,730	3,030	4,090	2,730	4,360	5,230	4,850
16					10.00-16.00	16-32	5.0-20.0																		
20	13.00-20.00	20-40	5.0-20.0																						

Hard chrome plated product is not applicable to tolerance code marked † (precision class A and B). *P dimension () is applicable to diamond shape.

Female Thread

Type	Shapes	D Tolerance Selection	P Tolerance Selection	D	P	L	B	E	A Selection	(W)	M	L	Unit Price Qty. 1-4 Round Shape						Unit Price Qty. 1-4 Diamond Shape									
													(1) KFSA	(2) GKFS	(3) BKFS	(4) SKFS	(5) HKFS	(6) CKFS	(1) KFSD	(2) GKFD	(3) BKFD	(4) SKFD	(5) HKFD	(6) CKFD				
KFST GKFS BKFS SKFS HKFS CKFS	A (Round)	M	P	6	4.00-6.00	8(9)-12	2.0-12.0	0.5	15	1.5	M3	5	1	1,410	1,900	1,270	1,900	2,280	2,100	1,760	2,370	1,630	2,400	2,890	2,660			
				4	1,410	1,900	1,270						1,900	2,280	2,100	1,760	2,370	1,630	2,400	2,890	2,660							
				8	1,470	1,980	1,330						1,990	2,380	2,180	1,840	2,480	1,700	2,500	3,000	2,760							
				8T	6.00-8.00	11(12)-16	2.0-15.0						1.8	M4	6	1,470	1,980	1,330	1,990	2,380	2,180	1,840	2,480	1,700	2,500	3,000	2,760	
				10	7.00-10.00	11(12)-20	3.0-20.0						2.2	M5	8	1,520	2,050	1,370	2,070	2,490	2,290	1,900	2,560	1,750	2,620	3,140	2,870	
				12	7.00-12.00	12-24	3.0-20.0						2.5	M5	8	1,590	2,140	1,440	2,150	2,570	2,290	2,000	2,700	1,830	2,730	3,270	2,910	
	D (Diamond)	M	P	D	6	4.00-6.00	8(9)-12	2.0-12.0	10.0	45	1.5	M3	5	1	1,410	1,900	1,270	1,900	2,280	2,100	1,760	2,370	1,630	2,400	2,890	2,660		
					4	1,410	1,900	1,270						1,900	2,280	2,100	1,760	2,370	1,630	2,400	2,890	2,660						
					8	1,470	1,980	1,330						1,990	2,380	2,180	1,840	2,480	1,700	2,500	3,000	2,760						
					8T	6.00-8.00	11(12)-16	2.0-15.0						1.8	M4	6	1,470	1,980	1,330	1,990	2,380	2,180	1,840	2,480	1,700	2,500	3,000	2,760
					10	7.00-10.00	11(12)-20	3.0-20.0						2.2	M5	8	1,520	2,050	1,370	2,070	2,490	2,290	1,900	2,560	1,750	2,620	3,140	2,870
					12	7.00-12.00	12-24	3.0-20.0						2.5	M5	8	1,590	2,140	1,440	2,150	2,570	2,290	2,000	2,700	1,830	2,730	3,270	2,910
13	8.00-13.00	13(14)-26	5.0-20.0	3	M8	10	1,640	2,210	1,480	2,230	2,680	2,460	2,040	2,750	1,890	2,830	3,400	2,920										
16	10.00-16.00	16-32	5.0-20.0	4	M8	10	2,100	2,830	1,890	2,900	3,480	3,200	2,660	3,590	2,420	3,690	4,430	4,100										
20	13.00-20.00	20-40	5.0-20.0	5	M8	12	2,590	3,490	2,340	3,600	4,320	3,990	3,290	4,440	2,980	4,620	5,540	5,100										

*L dimension () is applicable to diamond shape. *Note the strength of under-head part. P.833

Order Example: Part Number - P - L - B - E - A

KFS A G S 10 - P8.00 - L10 - B8.0 - E3.0 - A30

Alterations: Part Number - P - L - B - E - A (GDC, RC, AC)

KFSAGS10 - P8.00 - L10 - B8.0 - E3.0 - A30 - RC

Days to Ship: 3 Days

Express A ¥500/piece P.92

Volume Discount Rate (Round down to the nearest one yen). P.91

Quantity	Rate
1-4	Price List
5-19	5%
20-49	10%
50-99	15%

*For orders larger than indicated values, please request for quotation.

Alterations	Guide Part Machining	Radius	Air Vent
Code	GDC	RC	AC
Spec.	Adds guide part. Ordering Code GDC	Changes the relief to R0.5. Ordering Code RC	Adds an air vent. Ordering Code AC
Price Adder	200	300	200

*Precision Price
 When tolerance A, B are selected, multiply x1.1 to prices shown above (Round down to the nearest ten yen)
 Examples of Price Calculation
 KFSAB10-P5.01-L15-B3.5-E5.0-A45
 1,260(KFSA10)x1.1=1,380 yen

Circumference Groove Shape

Type	Shapes	D	P	L	B	G	A	Flat Position	Ls	L4	h	C	m	Applicable Set Screw			(W)	
														When D<P	When D=P	When D>P	When D<P	When D=P
JPGT GJPGT SJPGT HJPGT CJPGT	S (Round)	6	2.00-10.00	3-12	2.0-20.0	4.5	5	5	3	1	3	1.5	3	1.5	3	1.5	3	1.5
		6S	2.00-10.00	2-12														