

Locating Pins (Small Head)

Configurable Pilot Head / D, P Tolerance Selectable

① D=5 is now available for Tapped Type.



Locating Pins – Configurable Pilot Head / D, P Tolerance Selectable

RoHS 10

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				
20.00	+0.008	+0.022	-0.020	-0.021				

⊗ Precision Grade Tolerance is not available for Chrome Plated product types

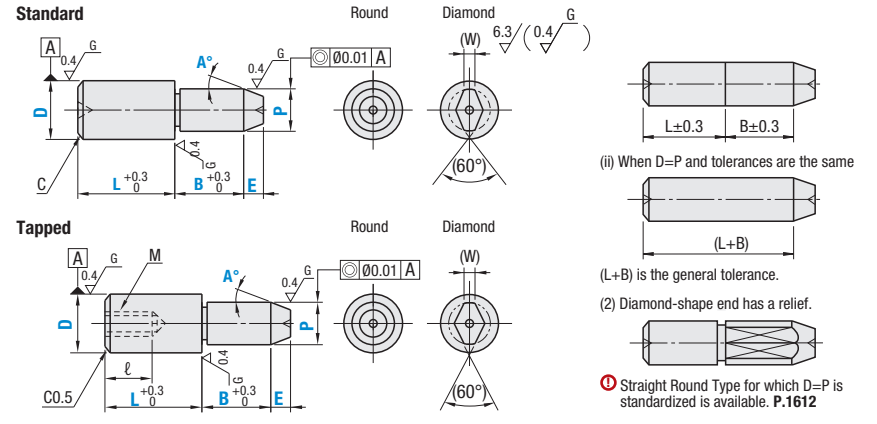
① 440C or 420 Stainless Steel has an identification groove on D part.

② $P-2E \tan A \geq 0.73$ (Tip dia. ≥ 0.73 or more)
Reference: $\tan 15^\circ = 0.267$ $\tan 30^\circ = 0.577$
 $\tan 45^\circ = 1$ $\tan 60^\circ = 1.732$

Materials No.	Material	Surface Treatment	Hardness	Standard		Tapped	
				Type	Shape Code	Type	Shape Code
(1)	O1 Tool Steel Equivalent	—	60–63 HRC min.	KFS		KFST	
(2)	O1 Tool Steel Equivalent	Chrome Plating	50–55 HRC min. Plating Hardness 750 HV min.	GKFS	A	GKFST	A
(4)	304 Stainless Steel Equivalent	—	—	SKFS	D	SKFST	D
(5)	304 Stainless Steel Equivalent	Chrome Plating	Plating Hardness 750 HV min.	HKFS	Diamond	HKFST	Diamond
(6)	440C or 420 Stainless Steel	—	50–55 HRC min.	CKFS		CKFST	

① Refer to the available types list to select the available combination.

② When D=P,
(1) Round Shape has no relief.
(i) When D=P and tolerances are different



Standard

Type	Shape	D Tol. Selection	P Tol. Selection	D	P 0.01 mm Inc.	L 1 mm Inc.	B 0.1 mm Inc.	E 0.1 mm Inc.	A Selection	C	(W)	Available Types for Round Shape						Available Types for Diamond Shape														
												(1)	(2)	(4)	(5)	(6)	(1)	(2)	(4)	(5)	(6)											
KFS GKFS* SKFS HKFS* CKFS	A Round	M P G H	S M P G H	15	2	1.00–2.00	2–4	2.0–10.0	0.5–10.0	30	3	0.3	—	•	•	•	•	•	•	•	•	•	•	•								
					3	1.00 (2.00)–3.00	3–6	2.0–10.0					•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•			
					4	2.00–4.00	4–8	2.0–10.0					•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
					5	2.00–5.00	5–10	2.0–10.0					•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
					6	2.00–6.00	6–12	2.0–12.0					•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
					8	3.00–8.00	8–16	2.0–15.0					•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	D Diamond	*A *B	*A *B	60	10	3.00–10.00	10–20	3.0–20.0		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•						
					12	5.00–12.00	12–24	3.0–20.0		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•					
					13	6.00–13.00	13–26	5.0–20.0		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•				
					16	10.00–16.00	16–32	5.0–20.0		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•			
					17	10.00–17.00	17–34	5.0–20.0		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•			
					20	13.00–20.00	20–40	5.0–20.0		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		

⊗ Chrome plated is not available for Precision Grade *(Precision Grade A and B). ① P dimension in () is for the Diamond Type

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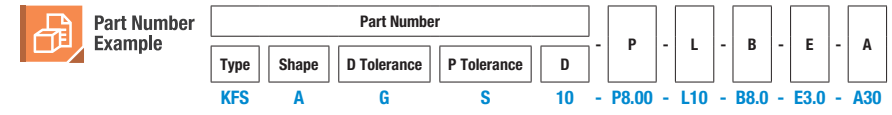
Configurable Pilot Head / D, P Tolerance Selectable, continued

Tapped

Type	Shape	D Tol. Selection	P Tol. Selection	D	P 0.01 mm Inc.	L 1 mm Inc.	B 0.1 mm Inc.	E 0.1 mm Inc.	A Selection	(W)	M (Coarse)	ℓ	Available Types for Round Shape						Available Types for Diamond Shape															
													(1)	(2)	(4)	(5)	(6)	(1)	(2)	(4)	(5)	(6)												
KFST GKFST SKFST HKFST CKFST	A Round	M P G H	S M P G H	15	5	3.00–5.00	8–10	2.0–10.0	0.5–10.0	30	1.2	M2	3	•	•	•	•	•	•	•	•	•	•	•	•									
					6	4.00–6.00	8 (9)–12	2.0–12.0						•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•				
					6T	4.00–6.00	8 (9)–12	2.0–12.0						•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		
					8	6.00–8.00	11 (12)–16	2.0–15.0						•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
					8T	6.00–8.00	11 (12)–16	2.0–15.0						•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
					10	7.00–10.00	11 (12)–20	3.0–20.0						•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	D Diamond	M P G H	S M P G H	15	12	7.00–12.00	12–24	3.0–20.0		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•								
					13	8.00–13.00	13 (14)–26	5.0–20.0		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•							
					16	10.00–16.00	16–32	5.0–20.0		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•						
					20	13.00–20.00	20–40	5.0–20.0		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•					
					2	2.2	M5	8		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•					
					3	2.5	M5	8		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•					
4	3	M8	10	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•											
5	4	M8	12	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•										

① L dimension in () is for the Diamond Type ② Pins with D value ending in T (ex. 8T) have one size smaller thread diameter and larger wall thickness. (Actual D dimension is the number without "T")

③ Note the strength of under-head part. P.1542 ④ Please confirm pilot hole depth on P.1542. Holes may go through.



Alterations	Insertion Guide Machining	Radius	Air Vent
Code	GDC	RC	AC
Spec.	Adds Insertion Guide. Ordering Code: GDC 	Changes the relief to R0.5. Ordering Code: RC 	Adds an air vent. Ordering Code: AC

⊗ Not applicable to D≤2 ① Applicable when D-P≥2.