

Locating Pins (Large Head)

Round Tapered Shape (with R), D & P Tolerance Selectable

Feature: Small boundary between insertion guide and locating parts ("No Edge" in diagram) prevents damage of locating target. Buff finished products with enhanced appearance and slide are also available.

Locating Pins – Round Tapered Shape (with R), D & P Tolerance Selectable

RoHS10

Materials No.	Materials	Surface Treatment	Hardness	Type	Shape Code
(1)	O1 Tool Steel Equivalent	—	60~63 HRC min.	KFPB	A Standard T Tapped NA Threaded
(2)	O1 Tool Steel Equivalent	Chrome Plating Plating Thickness: 3 μm or More	50~55 HRC min. Plating Hardness: 750 HV min.	GKFPB	
(3)	304 Stainless Steel Equivalent	—	—	SKFPB	
(4)	440C Stainless Steel Equivalent	—	50~55 HRC min.	CKFPB	
(5)	O1 Tool Steel Equivalent	Buffed Surface	60~63 HRC min.	MKFPB	
(6)	O1 Tool Steel Equivalent	Chrome Plating + Buffed Surface Plating Thickness: 3 μm or More	60~63 HRC min. Plating Hardness: 750 HV min.	MGKFPB	
(7)	440C Stainless Steel Equivalent	Buffed Surface	50~55 HRC min.	MCKFPB	

Standard

Tapped

Threaded

Tolerance Selection

D or P	Standard Grade					Precision Grade	
	M	P	G	H	S	A	B
2.00-3.00	+0.008 +0.002	+0.012 -0.006	-0.002 -0.008	0 -0.010	—	—	—
3.01-6.00	+0.012 +0.004	+0.020 +0.012	-0.004 -0.012	0 -0.012	—	—	—
6.01-10.00	+0.015 +0.006	+0.024 +0.015	-0.005 -0.014	0 -0.015	0 -0.01	+0.005 0	0 -0.005
10.01-18.00	+0.018 +0.007	+0.029 +0.018	-0.006 -0.017	0 -0.018	—	—	—
18.01-30.00	+0.021 +0.008	+0.035 +0.022	-0.007 -0.020	0 -0.021	—	—	—

⊗ Precision Grade Tolerance is not available for Chrome Plating and Buffed Product Types.
 Ⓞ 440C Stainless Steel has an identification groove on D part.

Standard

Type	Shape Code	D Tol. Sel.	P Tol. Sel.	D	P 0.01 mm Increment	L 1 mm Increment	B 0.5 mm Increment	E 0.5 mm Increment	R Selection	C	Available Types						
											(1)	(2)	(3)	(4)	(5)	(6)	(7)
KFPB GKFPB* SKFPB CKFPB	A	M P G H *A *B	S M P G H *A *B	2	2.00-4.00	4-10	2.0-10.0	1.0-20.0	5 10 15 20 25 30 35 40	0.5	•	•	•	•	•	•	•
				3	3.00-6.00	5-12	2.0-10.0				•	•	•	•	•	•	•
				4	4.00-7.00	5-12	2.0-10.0				•	•	•	•	•	•	•
				5	5.00-8.00	5-12	2.0-10.0				•	•	•	•	•	•	•
				6	6.00-10.00	5-12	3.0-12.0				•	•	•	•	•	•	•
				8	8.00-13.00	8-15	3.0-14.0				•	•	•	•	•	•	•
				10	10.00-15.00	8-15	3.0-16.0				•	•	•	•	•	•	•
Buffed Product MKFPB* MGKFPB* MCKFPB*	A	M P G H *A *B	S M P G H *A *B	12	12.00-16.00	10-18	3.0-18.0	1.0-20.0	30 35 40	1.5	•	•	•	•	•	•	•
				13	13.00-18.00	12-20	3.0-20.0				•	•	•	•	•	•	•
				16	16.00-25.00	14-25	3.0-20.0				•	•	•	•	•	•	•
				20	20.00-30.00	18-32	3.0-20.0				•	•	•	•	•	•	•

⊗ Precision Grade Tolerance is not available for Chrome Plated and Buffed Product Types *(Precision Grade A and B).
 Ⓞ Specifiable value depends on P dimension. Confirm "Details of E Dimension and R Dimension Range".

Tapped

Type	Shape Code	D Tol. Sel.	P Tol. Sel.	D	P 0.01 mm Increment	L 1 mm Increment	B 0.5 mm Increment	E 0.5 mm Increment	R Selection	M (Coarse)	ℓ	Available Types						
												(1)	(2)	(3)	(4)	(5)	(6)	(7)
KFPB GKFPB SKFPB CKFPB	T	M P G H	S M P G H	6	6.00-10.00	6-12	3.0-12.0	1.0-20.0	5	5	5	•	•	•	•	•	•	
				6T								•	•	•	•	•	•	
				8								•	•	•	•	•	•	
				8T								•	•	•	•	•	•	
				10								•	•	•	•	•	•	
				10T								•	•	•	•	•	•	
				12								•	•	•	•	•	•	
				12T								•	•	•	•	•	•	
				13								•	•	•	•	•	•	
				13T								•	•	•	•	•	•	
Buffed Product MKFPB MGKFPB MCKFPB	T	M P G H	S M P G H	16	16.00-25.00	16-32	3.0-20.0	1.0-20.0	30	6	6	•	•	•	•	•	•	
				16T								•	•	•	•	•	•	
				20								•	•	•	•	•	•	
				20T								•	•	•	•	•	•	

Ⓞ 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").
 Ⓞ Note the strength of under-head part. P.1542 Ⓞ Please confirm pilot hole depth on P.1542. Holes may penetrate.

Locating Pins (Large Head)

Round Tapered Shape (with R), D & P Tolerance Selectable, continued

Threaded

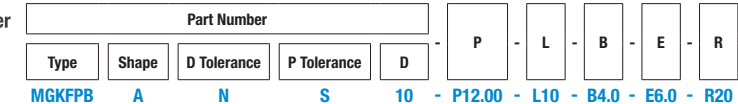
Type	Part Number			D	P 0.01 mm Increment	L 1 mm Increment	B 0.5 mm Increment	E 0.5 mm Increment	R Selection	M (Coarse)	Available Types						
	Shape Code	D Tol. Sel.	P Tol. Sel.								(1)	(2)	(3)	(4)	(5)	(6)	(7)
KFPB GKFPB* SKFPB CKFPB	NA	M P G H *A *B	S M P G H *A *B	3	3.50-6.00	2-6	2.0-10.0	1.0-20.0	5 10 15 20 25 30 35 40	M3	•	•	•	•	•	•	
				4	4.50-7.00	2-8	2.0-10.0				•	•	•	•	•		
				5	5.50-8.00	3-10	2.0-10.0				•	•	•	•	•		
				6	6.50-10.00	3-10	3.0-12.0				•	•	•	•	•		
				8	9.00-13.00	5-10	3.0-14.0				•	•	•	•	•		
				10	11.00-15.00	5-15	3.0-16.0				•	•	•	•	•		
				12	13.00-18.00	8-15	3.0-18.0				•	•	•	•	•		
Buffed Product MKFPB* MGKFPB* MCKFPB*	NA	M P G H *A *B	S M P G H *A *B	16	17.00-25.00	8-20	3.0-20.0	1.0-20.0	30 35 40	M12	•	•	•	•	•	•	
				20	22.00-30.00	10-20	3.0-20.0				•	•	•	•	•		

Ⓞ Specifiable value depends on P dimension. Confirm "Details of E Dimension and R Dimension Range".

Details of E Dimension & R Dimension Range

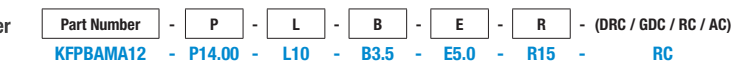
P 0.01 mm Increment	E 0.5 mm Increment	R Selection							
		5	10	15	20				
2.00-4.00	1.0-2.0	5	10						
4.01-8.00	2.5-4.0		10	15					
8.01-12.00	4.5-7.0		10	15	20				
12.01-16.00	5.0-10.0			15	20	25			
16.01-20.00	5.0-15.0				20	25	30		
20.01-25.00	5.0-15.0					25	30	35	
25.01-30.00	5.0-20.0						30	35	40

Part Number Example



⊗ Precision Grade Tolerance is not available for Chrome Plated and Buffed Product Types *(Precision Grade A and B).

Part Number Alterations



Alterations	Screwdriver Slot	Insertion Guide Machining	Radius	Air Vent
	Code	DRC	GDC	RC
Spec.	Width 0.8mm Depth 1 mm Ⓞ Applicable to external thread only.	Adds Insertion Guide. Ordering Code: GDC Ⓞ Not applicable to D=2. Ⓞ Not applicable to Threaded Type.	Changes the relief to R0.5. Ordering Code: RC Ⓞ Applicable when P-D≥2.	Adds an air vent. Ordering Code: AC Ⓞ Not applicable to Threaded Type.