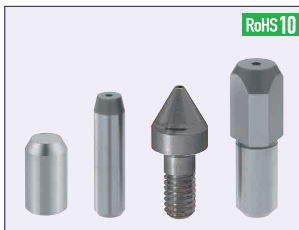


Locating Pins - Large Head, Tapered

Configurable Taper Angle, D and P Selectable Tolerance



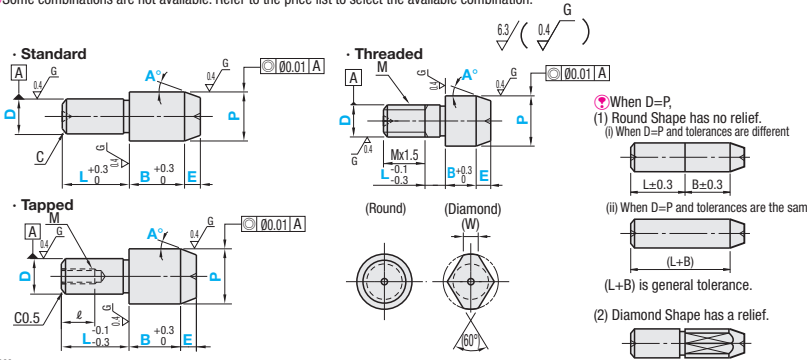
Material No.	Material	Surface Treatment	Hardness	Type			Shape Code
				Standard	Tapped	Threaded	
①	O1 Tool Steel	-	Treated Hardness: 60~63HRC	KF	KFT	KFN	A (Round)
②	O1 Tool Steel	Hard Chrome Plating	Hardness: 50~55HRC Plating Hardness: 750HV~	GKF	GKFT	GKFN	
③	O1 Tool Steel	-	-	BKF	BKFT	BKFN	
④	304 Stainless Steel	-	-	SKF	SKFT	SKFN	D (Diamond)
⑤	304 Stainless Steel	Hard Chrome Plating	Plating Hardness: 750HV~	HKF	HKFT	HKFN	
⑥	440C Stainless Steel	-	Treated Hardness: 50~55HRC	CKF	CKFT	-	

Some combinations are not available. Refer to the price list to select the available combination.

Tolerance Selection

D or P	Standard Grade				Precision Grade	
	M	P	G	H	S	A
1.00	+0.008	+0.012	-0.002	0	-	-
3.00	+0.002	+0.006	-0.008	-0.010	-	-
6.00	+0.012	+0.020	-0.004	0	-	-
10.00	+0.004	+0.012	-0.012	-0.012	-	-
15.00	+0.015	+0.024	-0.005	0	+0.005	0
20.00	+0.006	+0.015	-0.014	-0.015	-0.01	-0.005
30.00	+0.018	+0.029	-0.006	0	-	-
45.00	+0.007	+0.018	-0.017	-0.018	-	-
60.00	+0.021	+0.035	-0.007	0	-	-
80.00	+0.008	+0.022	-0.020	-0.021	-	-

The unit price of Precision Type is the price of Standard Type multiplied by 1.1.
 Hard chrome plated products are not available for Precision Grade Tolerance.
 440C Stainless Steel has an identification groove on D part.
 Polished, centering hole is sometimes not available for 304 Stainless Steel.
 P-2EtanA=0.73 (Tip dia. 0.73 or more)
 Reference : tan15°=0.267 tan30°=0.577
 tan45°=1 tan60°=1.732



When D=P
 (1) Round Shape has no relief.
 (ii) When D=P and tolerances are different
 (iii) When D=P and tolerances are the same
 (L+B) is general tolerance.
 (2) Diamond Shape has a relief.
 Round Type with the same diameter for which D=P is standardized is available.
 P.1375

Standard

Type	Shape	D Tolerance	P Tolerance	D	P			E	A	C	(W)
					0.01mm Increment	1mm Increment	0.1mm Increment				
KF GKF* BKF SKF HKF* CKF	A (Round)	M P G H	S M P G H *A *B	1	1.00~2.50	2, 3	2.0~5.0	0.5~10.0	15	0.1	0.6
				2	2.00~4.00	2~6	2.0~10.0				
				3	3.00~6.00	3~6	2.0~10.0				
				4	4.00~7.00	4~8	2.0~10.0				
				5	5.00~8.00	5~10	2.0~10.0				
				6	6.00~10.00	6~12	2.0~12.0				
	D (Diamond)	*A *B	*A *B	8	8.00~13.00	8~16	2.0~15.0				
				10	10.00~15.00	10~20	3.0~20.0				
				12	12.00~16.00	12~24	3.0~20.0				
				13	13.00~18.00	13~26	5.0~20.0				
				16	16.00~25.00	16~32	5.0~20.0				
				20	20.00~30.00	20~40	5.0~20.0				

P dimension in () is applicable to Diamond Shape. Hard chrome plated products are not available for * marked Precision Grade (Precision Grade A and B).

Tapped

Type	Shape	D Tolerance	P Tolerance	D	P			E	A	(W)	M (Coarse)	l	
					0.01mm Increment	1mm Increment	0.1mm Increment						
KFT GKFT BKFT SKFT HKFT CKFT	A (Round)	M P G H	S M P G H	5	5.00~8.00	5(9)~10	2.0~10.0	0.5~10.0	15	2.2	M2	3	
				6	6.00~10.00	6(9)~12	2.0~12.0						
				8	8.00~13.00	8(12)~16	2.0~15.0						
				10	10.00~15.00	10(12)~20	3.0~20.0						
				12	12.00~16.00	12(12)~16	3.0~20.0						
				13	13.00~18.00	13(14)~26	5.0~20.0						
				16	16.00~25.00	16(14)~20	5.0~20.0						
				20	20.00~30.00	20(18)~30	5.0~20.0						
				D (Diamond)	*A *B	*A *B	*A *B						3
	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										2.0~12.0
	8	9.00~13.00	5~10										2.0~15.0
	10	11.00~15.00	5~15										3.0~20.0
	12	13.00~18.00	8~15										3.0~20.0
	16	17.00~25.00	8~20										5.0~20.0
	20	22.00~30.00	10~20										5.0~20.0

Pins of D dimension with T 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.1309 P dimension in () is applicable to Diamond Shape. Please confirm pilot hole depth on P.1309. Holes may go through.
 The tightening torque (ref. value) for hardened products is strength class 8.8. (See technical data on MISUMI 2019 catalog P4015.) Not applicable when using locking agents or spring washers.

Threaded

Type	Shape	D Tolerance	P Tolerance	D	P			E	A	M (Coarse)	(W)	
					0.01mm Increment	1mm Increment	0.1mm Increment					
KFN GKFN* BKFN SKFN HKFN*	A (Round)	M P G H	S M P G H *A *B	3	3.50~6.00	2~6	2.0~10.0	0.5~10.0	15	M3	1.5	
				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	2.0~12.0					
				8	9.00~13.00	5~10	2.0~15.0					
				10	11.00~15.00	5~15	3.0~20.0					
	D (Diamond)	*A *B	*A *B	*A *B	12	13.00~18.00	8~15					3.0~20.0
					16	17.00~25.00	8~20					5.0~20.0
					20	22.00~30.00	10~20					5.0~20.0
					3	3.50~6.00	2~6					2.0~10.0
					4	4.50~7.00	2~8					2.0~10.0
					5	5.50~8.00	3~10					2.0~10.0

Hard chrome plated products are not available for * marked Precision Grade (Precision Grade A and B).
 The tightening torque (ref. value) for hardened products is strength class 8.8. (See technical data on MISUMI 2019 catalog P4015.) Not applicable when using locking agents or spring washers.

Ordering Example: Part Number: P - L - B - E - A
 Type: KF A M S 6 - P10.00 - L6 - B3.0 - E5.0 - A30
 GKFT A G S 10T - P13.00 - L6 - B4.0 - E10.0 - A15
 SKFN D G B 12 - P15.00 - L12 - B5.0 - E7.0 - A45

Days to Ship: Configure Online

Price: Configure Online

Standard

D	Unit Price Round Shape					Unit Price Diamond Shape						
	① O1 Tool Steel Hardened KFA	② O1 Tool Steel (Hardened) GKFA	③ O1 Tool Steel BKFA	④ 304 Stainless Steel SKFA	⑤ Hard 304 Stainless Steel HKFA	⑥ 440C Stainless Steel CKFA	① O1 Tool Steel Hardened KFD	② O1 Tool Steel (Hardened) GKFD	③ O1 Tool Steel BKFD	④ 304 Stainless Steel SKFD	⑤ Hard 304 Stainless Steel HKFD	⑥ 440C Stainless Steel CKFD
1												
2												
3												
4												
5												
6												
8												
10												
12												
13												
16												
20												

Tapped

D	Unit Price Round Shape					Unit Price Diamond Shape						
	① O1 Tool Steel Hardened KFTA	② O1 Tool Steel (Hardened) GKFTA	③ O1 Tool Steel BKFTA	④ 304 Stainless Steel SKFTA	⑤ Hard 304 Stainless Steel HKFTA	⑥ 440C Stainless Steel CKFTA	① O1 Tool Steel Hardened KFTD	② O1 Tool Steel (Hardened) GKFTD	③ O1 Tool Steel BKFTD	④ 304 Stainless Steel SKFTD	⑤ Hard 304 Stainless Steel HKFTD	⑥ 440C Stainless Steel CKFTD
5												
6												
6T												
8												
8T												
10												
10T												
12												
12T												
13												
13T												
16												
16T												
20												
20T												

Threaded

D	Unit Price Round Shape					Unit Price Diamond Shape						
	① O1 Tool Steel Hardened KFNA	② O1 Tool Steel (Hardened) GKfNA	③ O1 Tool Steel BKfNA	④ 304 Stainless Steel SKfNA	⑤ Hard 304 Stainless Steel HKfNA	⑥ 440C Stainless Steel CKfNA	① O1 Tool Steel Hardened KFND	② O1 Tool Steel (Hardened) GKfND	③ O1 Tool Steel BKfND	④ 304 Stainless Steel SKfND	⑤ Hard 304 Stainless Steel HKfND	⑥ 440C Stainless Steel CKfND
3												
4												
5												
6												
8												
10												
12												
16												
20												

Alterations: Part Number: P - L - B - E - A - (MH...etc.)
 KFAMS6 - P10.00 - L6 - B3.0 - E5.0 - A30 - GDC

Configure Online

Alterations	Tapping	Insertion Guide	Spherical Tip	Air Vent
Code	MH	GDC	RC	AC
Spec.	Adds a tapped hole. Ordering Code: MH Applicable when D≥6, B≥2+4. Not applicable to tapped pins.	Adds the insertion guide. Ordering Code: GDC Not applicable when 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.
Price Adder				