

Locating Pins - Large Head, Tapered

Configurable Taper Angle, D and P Selectable Tolerance



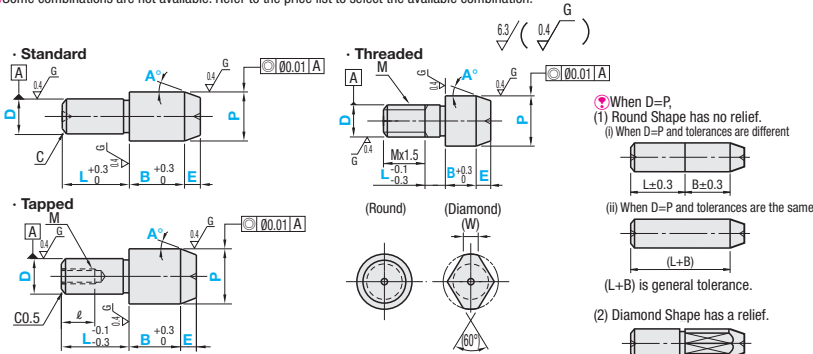
Material No.	Material	Surface Treatment	Hardness	Type			Shape Code
				Standard	Tapped	Threaded	
①	01 Tool Steel	-	Treated Hardness: 60-63HRC	KF	KFT	KFN	A (Round)
②	01 Tool Steel	Hard Chrome Plating Plating Thickness: 3µm or more	Hardness: 30-55HRC Plating Hardness: 750HV~	GKF	GKFT	GKFN	
③	01 Tool Steel	-	-	BKF	BKFT	BKFN	
④	304 Stainless Steel	-	-	SKF	SKFT	SKFN	D (Diamond)
⑤	304 Stainless Steel	Hard Chrome Plating Plating Thickness: 3µm or more	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	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	+0.005	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	-	-	-

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. 0.073 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	Part Number				A	C	(W)	
				D	P	L	B				E
KF GKF* BKF SKF HKF* CKF	A (Round)	M P G H	S M P G H *A *B	1	1.98~ 2.59	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				
				8	8.00~13.00	8~16	2.0~15.0				
				10	10.00~15.00	10~20	3.0~20.0				
	D (Diamond)	*A *B	*A *B	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	Part Number				A	(W)	M (Coarse)	l	
				D	P	L	B					E
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	12~24	3.0~20.0					
				13	13.00~18.00	13(14)~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					
	D (Diamond)	*A *B	*A *B	12T	12.00~16.00	8(12)~18	3.0~20.0					
				13T	13.00~18.00	10(14)~24	5.0~20.0					
				16T	16.00~25.00	16~32	5.0~20.0					
				20T	20.00~30.00	20~40	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 L dimension in () is applicable to Diamond Shape. Please confirm pilot hole depth on P.1309. Holes may go through.
 Tightening torque will be within Strength Class of 10.9 as indicated in the Technical Data (Ref. MISUMI 2011 catalog P.3549). *Not applicable when using locking adhesives or lock washers.

Threaded

Type	Shape	D Tolerance	P Tolerance	Part Number				A	M (Coarse)	(W)	
				D	P	L	B				E
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				
				12	13.00~18.00	8~15	3.0~20.0				
				16	17.00~25.00	8~20	5.0~20.0				
	D (Diamond)	*A *B	*A *B	20	22.00~30.00	10~20	5.0~20.0				

Hard chrome plated products are not available for * marked Precision Grade (Precision Grade A and B).
 Tightening torque will be within Strength Class of 10.9 as indicated in the Technical Data (Ref. MISUMI 2011 catalog P.3549). *Not applicable when using locking adhesives or lock washers.

Ordering Example: Part Number - P - L - B - E - A
 Type Shape D Tol. Thread D P L B E A
 KF A M S 6 - P10.00 - L6 - B3.0 - E5.0 - A30
 GKF 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

Price Configure Online

Standard

D	Unit Price Round Shape						Unit Price Diamond Shape					
	①01 Tool Steel Hardened KFA	②01 Tool Steel (Hardened) GKFA	③01 Tool Steel BKFA	④304 Stainless Steel SKFA	⑤Hard 304 Stainless Steel HKFA	⑥440C Stainless Steel CKFA	①01 Tool Steel Hardened KFD	②01 Tool Steel (Hardened) GKFD	③01 Tool Steel BKFD	④304 Stainless Steel SKFD	⑤Hard 304 Stainless Steel HKFD	⑥440C 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					
	①01 Tool Steel Hardened KFTA	②01 Tool Steel (Hardened) GKFTA	③01 Tool Steel BKFTA	④304 Stainless Steel SKFTA	⑤Hard 304 Stainless Steel HKFTA	⑥440C Stainless Steel CKFTA	①01 Tool Steel Hardened KFTD	②01 Tool Steel (Hardened) GKFTD	③01 Tool Steel BKFTD	④304 Stainless Steel SKFTD	⑤Hard 304 Stainless Steel HKFTD	⑥440C 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					
	①01 Tool Steel Hardened KFNA	②01 Tool Steel (Hardened) GKFN	③01 Tool Steel BKFN	④304 Stainless Steel SKFN	⑤Hard 304 Stainless Steel HKFN	①01 Tool Steel Hardened KFND	②01 Tool Steel (Hardened) GKFD	③01 Tool Steel BKFD	④304 Stainless Steel SKFD	⑤Hard 304 Stainless Steel HKFD	
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 	Adds the insertion guide. Ordering Code GDC 	Changes the relief to R0.5. Ordering Code RC 	Adds an air vent. Ordering Code AC
Price Adder	Applicable when D≥6 Not applicable to tapped pins.	Not applicable when D≤2 Not applicable to Threaded Type.	Applicable when P-D≥2.	Not applicable to Threaded Type.