

Locating Pins - Large Head, Tapered

Configurable Taper Angle, D and P Selectable Tolerance



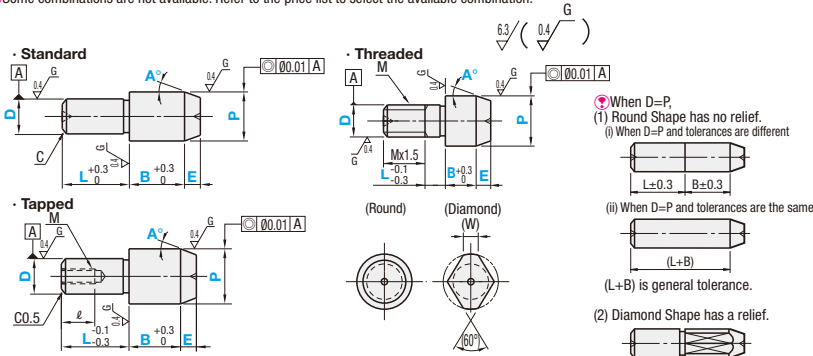
Material No.	Material	Surface Treatment	Hardness	Type	Standard	Tapped	Threaded	Shape Code
①	O1 Tool Steel	-	Treated Hardness: 60~63HRC	KF	KFT	KFN		A (Round)
②	O1 Tool Steel	Hard Chrome Plating Plating Thickness: 3µm or more	Hardness: 50~55HRC Plating Hardness: 750HV~	GKF	GKFT	GKFN		
③	O1 Tool Steel	-	-	BKF	BKFT	BKFN		
④	304 Stainless Steel	-	-	SKF	SKFT	SKFN		D (Diamond)
⑤	304 Stainless Steel	Hard Chrome Plating Plating 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
	m6	p6	g6	h7	-	-	-
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	-0.01	-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



Round Type with the same diameter for which D=P is standardized is available.
 P.1375

Standard

Part Number					P	L	B	E	A	C	(W)	
Type	Shape	D Tolerance	P Tolerance	D	0.01mm Increment	1mm Increment	0.1mm Increment	0.1mm Increment				
KF GKF* BKF SKF HKF* CKF	A (Round)	M P G H *A *B	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			0.5	1.2	
				3	3.00~ 6.00	3~ 6	2.0~10.0				1.5	
				4	4.00~ 7.00	4~ 8	2.0~10.0				1.8	
				5	5.00~ 8.00	5~10	2.0~10.0				2.2	
				6	6.00~10.00	6~12	2.0~12.0				3	
	D (Diamond)			8	8.00~13.00	8~16	2.0~15.0		1.5	3.5		
				10	10.00~15.00	10~20	3.0~20.0			45	4	
				12	12.00~16.00	12~24	3.0~20.0				2	5
				13	13.00~18.00	13~26	5.0~20.0					5.5
				16	16.00~25.00	16~32	5.0~20.0		3			7
				20	20.00~30.00	20~40	5.0~20.0					9
		60										

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

Part Number					P	L	B	E	A	(W)	M (Coarse)	ℓ									
Type	Shape	D Tolerance	P Tolerance	D																	
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														
				6T																	
				8	8.00~13.00	8(12)~16	2.0~15.0														
				8T																	
				10	10.00~15.00	10(12)~20	3.0~20.0														
	D (Diamond)			10T	10.00~15.00	6(12)~16	3.0~20.0			30	4	M4	6								
				12	12.00~16.00	12~24	3.0~20.0														
				12T	12.00~16.00	8(12)~18	3.0~20.0							45	5	M5	8				
				13	13.00~18.00	13(14)~26	5.0~20.0														
				13T	13.00~18.00	8(14)~20	5.0~20.0											60	5.5	M8	10
				16	16.00~25.00	16~32	5.0~20.0														
		16T	16.00~25.00	10(14)~24	5.0~20.0	7	M8	9													
		20	20.00~30.00	20~40	5.0~20.0				9		M8	12									
		20T	20.00~30.00	12(18)~30	5.0~20.0								M6	9							

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

Part Number					P	L	B	E	A	M (Coarse)	(W)
Type	Shape	D Tolerance	P Tolerance	D	0.01mm Increment	1mm Increment	0.1mm Increment	0.1mm Increment			
KFN GKFN* BKFN SKFN HKFN*	A (Round)	M P G H A B	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			M4	1.8
				5	5.50~ 8.00	3~10	2.0~10.0			M5	2.2
				6	6.50~10.00	3~10	2.0~12.0			M6	3
				8	9.00~13.00	5~10	2.0~15.0			M8	3.5
				10	11.00~15.00	5~15	3.0~20.0			M10	4
	D (Diamond)	*A *B	*A *B	12	13.00~18.00	8~15	3.0~20.0		45	M12	5
				16	17.00~25.00	8~20	5.0~20.0			M16	7
				20	22.00~30.00	10~20	5.0~20.0			M20	9

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	P Tolerance	D	P	L	B	E	A		
KF	A	M	S	6	-	P10.00	-	L6	-	B3.0	-
GKFT	A	G	S	10T	-	P13.00	-	L6	-	B4.0	-
SKFN	D	G	B	12	-	P15.00	-	L12	-	B5.0	-



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 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 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 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 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 KFN	② O1 Tool Steel Hardened GKFN	③ O1 Tool Steel Steel BKF	④ 304 Stainless Steel SKFN	⑤ Hard 304 Stainless Steel HKFN	⑥ 440C Stainless Steel CKFN	① O1 Tool Steel Hardened KFD	② O1 Tool Steel Hardened GKFD	③ O1 Tool Steel Steel BKF	④ 304 Stainless Steel SKFD	⑤ Hard 304 Stainless Steel HKFD	⑥ 440C Stainless Steel CKFD
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				