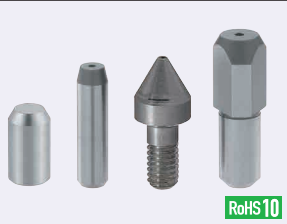


Locating Pins - Large Head, Tapered

Configurable Taper Angle, D and P Selectable Tolerance



■ **Features:** Large Head, Tapered, with the configurable dimension for each part. Configurable tolerance on both ends and tapered dimensions.



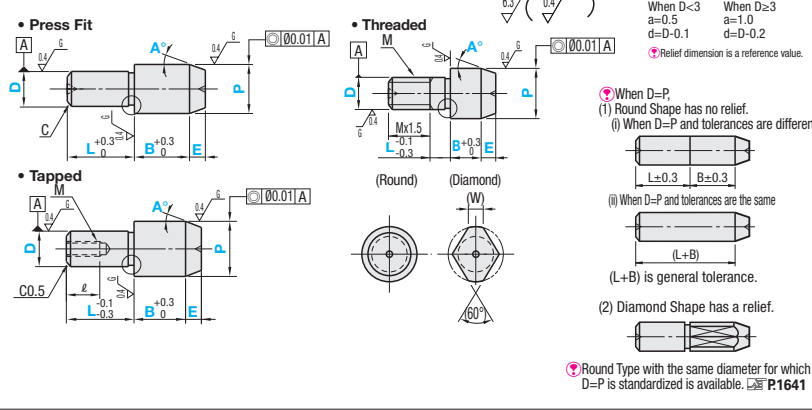
RoHS10

Material No.	Material	Surface Treatment	Hardness	Type			Shape Code
				Press Fit	Tapped	Threaded	
①	EN 1.2510 Equiv.	-	Treated Hardness: 60 ~ 63HRC	KF	KFT	KFN	A (Round)
②	EN 1.2510 Equiv.	Hard Chrome Plating	Treated Hardness: 50 ~ 53HRC Plating Hardness: 750HV ~	GKF	GKFT	GKFN	
③	EN 1.2510 Equiv.	-	-	BKF	BKFT	BKFN (Round only)	
④	EN 1.4301 Equiv.	-	-	SKF	SKFT	SKFN	D (Diamond)
⑤	EN 1.4301 Equiv.	Hard Chrome Plating	Plating Hardness: 750HV ~	HKF	HKFT	HKFN	
⑥	EN 1.4037 Equiv.	-	Treated Hardness: 50 ~ 55HRC	CKF	CKFT	-	



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	-	-	-
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 Plating products are not available for Precision Grade Tolerance.
 * EN 1.4037 Equiv. has an identification groove at any position on D part.
 * Polished, centering hole is sometimes not available for EN 1.4301 Equiv.
 * P-2tanA=0.73 (Tip dia. 0.0.73 or more)
 Reference: tan15°=0.267 tan30°=0.577
 tan45°=1 tan60°=1.732



Type	Shape	Part Number		D	P	L	B	E	A	C	(W)
		D Tolerance	P Tolerance								
KF GKF* BKF SKF HKF* CKF	A (Round)	M P G H	S M P G H *A *B	1	1.88-2.50	2, 3	2.0-5.0	0.5-10.0	15 30 45 60	0.1 0.5 1 1.5 2 3 4 5 5.5 7 9	0.6 1.2 1.5 1.8 2.2 3 3.5 4 5 5.5 7 9
				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				
				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							
	D (Diamond)	*A *B	*A *B	1	1.88-2.50	2, 3	2.0-5.0				
				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				
12				12.00-16.00	12-24	3.0-20.0					
13				13.00-18.00	13-26	5.0-20.0					

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

Type	Shape	Part Number		D	P	L	B	E	A	(W)	M (Coarse)	* Tightening Torque N·cm	ℓ
		D Tolerance	P Tolerance										
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 30 45 60	2.2 3 3.5 4 5 5.5 7 9	M2 M3 M2.6 M5 M4 M5 M4 M8 M6 M8 M6 M8	-	98 -
				6	6.00-10.00	6(9)-12	2.0-12.0						
				6T	6.00-10.00	6(9)-12	2.0-12.0						
				8	8.00-13.00	8(12)-16	2.0-15.0						
				8T	8.00-13.00	8(12)-16	2.0-15.0						
				10	10.00-15.00	10(12)-20	3.0-20.0						
				10T	10.00-15.00	10(12)-20	3.0-20.0						
				12	12.00-16.00	12-24	3.0-20.0						
				12T	12.00-16.00	12-24	3.0-20.0						
				13	13.00-18.00	13(14)-26	5.0-20.0						
	13T	13.00-18.00	13(14)-26	5.0-20.0									
	16	16.00-25.00	16-32	5.0-20.0									
	16T	16.00-25.00	16-32	5.0-20.0									
	20	20.00-30.00	20-40	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.1566 * L dimension in () is applicable to Diamond Shape. * Please confirm pilot hole depth on P.1566. Holes may go through.
 * The tightening torque (ref. value) for hardened products is strength class 8.8. (See technical data on P.2297.) Not applicable when using locking materials or lock washers.

Type	Shape	Part Number		D	P	L	B	E	A	M (Coarse)	* Tightening Torque N·cm	(W)
		D Tolerance	P Tolerance									
KFN 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 30 45 60	M 3 M 4 M 5 M 6 M 8 M10 M12 M16 M20	98 225 461 784 1911 3783 6605 16366 32928	1.5 1.8 2.2 3 3.5 4 5 7 9
				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					
	D (Diamond)	*A *B	*A *B	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					

* Hard Chrome Plating 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 P.2297.) Not applicable when using locking materials or lock washers.

Ordering Example		Part Number												
Type	Shape	D Tol	P Tolerance	D	P	L	B	E	A					
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

* Precision Grade Price
 When A and B tolerance is selected, multiply the unit price below by 1.1.
 Example of Price Calculation
 KFAA10-P11.05-L12-B5.5-E5.0-A30

D	Unit Price Round Shape						Unit Price Diamond Shape					
	① EN 1.2510 Equiv. Hardened KFA	② Hard EN 1.2510 Equiv. GKFA	③ EN 1.2510 Equiv. BKFA	④ EN 1.4301 Equiv. SKFA	⑤ Hard EN 1.4301 Equiv. HKFA	⑥ EN 1.4037 Equiv. CKFA	① EN 1.2510 Equiv. Hardened KFD	② Hard EN 1.2510 Equiv. GKFD	③ EN 1.2510 Equiv. BKFD	④ EN 1.4301 Equiv. SKFD	⑤ Hard EN 1.4301 Equiv. HKFD	⑥ EN 1.4037 Equiv. CKFD
1												
2												
3												
4												
5												
6												
8												
10												
12												
13												
16												
20												

D	Unit Price Round Shape						Unit Price Diamond Shape					
	① EN 1.2510 Equiv. Hardened KFTA	② Hard EN 1.2510 Equiv. GKFTA	③ EN 1.2510 Equiv. BKFTA	④ EN 1.4301 Equiv. SKFTA	⑤ Hard EN 1.4301 Equiv. HKFTA	⑥ EN 1.4037 Equiv. CKFTA	① EN 1.2510 Equiv. Hardened KFTD	② Hard EN 1.2510 Equiv. GKFTD	③ EN 1.2510 Equiv. BKFTD	④ EN 1.4301 Equiv. SKFTD	⑤ Hard EN 1.4301 Equiv. HKFTD	⑥ EN 1.4037 Equiv. CKFTD
5												
6												
6T												
8												
8T												
10												
10T												
12												
12T												
13												
13T												
16												
16T												
20												
20T												

D	Unit Price Round Shape					Unit Price Diamond Shape				
	① EN 1.2510 Equiv. Hardened KFNA	② Hard EN 1.2510 Equiv. GKfNA	③ EN 1.2510 Equiv. BKfNA	④ EN 1.4301 Equiv. SKfNA	⑤ Hard EN 1.4301 Equiv. HKfNA	① EN 1.2510 Equiv. Hardened KFND	② Hard EN 1.2510 Equiv. GKfND	③ EN 1.2510 Equiv. BKfND	④ EN 1.4301 Equiv. SKfND	⑤ Hard EN 1.4301 Equiv. HKfND
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

Alterations	Tapping	Insertion Guide	Sphere 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

* Applicable when D≥6 * B≥ℓ2+4 * Not applicable when D≤2 * Applicable when P-D≥2 * Not applicable to Tapped. * Not applicable to Threaded.