

# Locating Pins - Small Flat Head

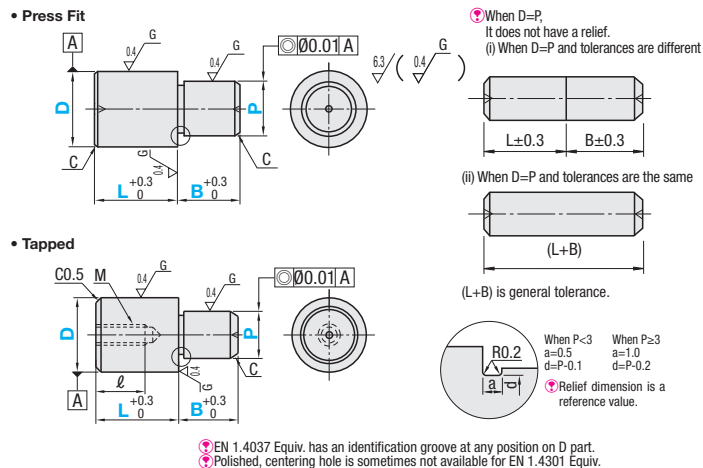
D and P Selectable Tolerance



■ **Features:** Small Flat Head with each dimension configurable. Selectable tolerance on both ends.



Material No.	Material	Surface Treatment	Hardness	Type	
				Press Fit	Tapped
①	EN 1.2510 Equiv.	-	Treated Hardness: 60 ~ 63HRC	KFFSA	KFFSTA
②	EN 1.2510 Equiv.	Hard Chrome Plating	Treated Hardness: 50 ~ 55HRC Plating Hardness: 750HV ~	GKFFSA	GKFFSTA
③	EN 1.2510 Equiv.	-	-	BKFFSA	BKFFSTA
④	EN 1.4301 Equiv.	-	-	SKFFSA	SKFFSTA
⑤	EN 1.4301 Equiv.	Hard Chrome Plating	Plating Hardness: 750HV ~	HKFFSA	-
⑥	EN 1.4037 Equiv.	-	Treated Hardness: 50 ~ 55HRC	CKFFSA	CKFFSTA



## Tolerance Selection

D or P	Standard Grade				Precision Grade		
	M	P	G	H	S	A	B
1.50	+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	-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 Plating products are not available in Precision Grade Tolerance.

## Press Fit

Type	Part Number		D	P	L	B	C
	D Tolerance	P Tolerance					
KFFSA GKFFSA* BKFFSA SKFFSA HKFFSA* CKFFSA	M P G H *A *B	S M P G H *A *B	2	1.50~2.00	2~4	2.0~10.0	0.1
			3	1.50~3.00	3~6	2.0~10.0	
			4	2.00~4.00	4~8	2.0~10.0	
			5	2.00~5.00	5~10	2.0~10.0	
			6	2.00~6.00	6~12	4.0~12.0	
			8	3.00~8.00	8~16	6.0~15.0	
			10	3.00~10.00	10~20	6.0~20.0	
			12	5.00~12.00	12~24	6.0~20.0	
			13	6.00~13.00	13~26	6.0~20.0	
			16	10.00~16.00	16~32	7.0~20.0	
20	13.00~20.00	20~40	7.0~20.0				

Ⓜ Hard Chrome Plating products are not available in Precision Grade\* (precision tolerance).

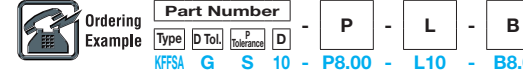
## Tapped

Type	Part Number		D	P	L	B	M	Tightening Torque N·cm	ℓ	C
	D Tolerance	P Tolerance								
KFFSTA GKFFSTA BKFFSTA SKFFSTA CKFFSTA	M P G H	S M P G H	6	4.00~6.00	8~12	4.0~12.0	M3	98	5	0.5
			6T							
			8							
			8T							
			10							
			12							
			13							
			16							
20										

Ⓜ 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 Ⓜ 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.



## Press Fit

D	Unit Price Standard Grade					
	① EN 1.2510 Equiv. Hardened KFFSA	② Hard EN 1.2510 Equiv. GKFFSA	③ EN 1.2510 Equiv. BKFFSA	④ EN 1.4301 Equiv. SKFFSA	⑤ Hard EN 1.4301 Equiv. HKFFSA	⑥ EN 1.4037 Equiv. CKFFSA
2						
3						
4						
5						
6						
8						
10						
12						
13						
16						
20						

## Tapped

D	Unit Price Standard Grade				
	① EN 1.2510 Equiv. Hardened KFFSTA	② Hard EN 1.2510 Equiv. GKFFSTA	③ EN 1.2510 Equiv. BKFFSTA	④ EN 1.4301 Equiv. SKFFSTA	⑥ EN 1.4037 Equiv. CKFFSTA
6					
6T					
8					
8T					
10					
12					
13					
16					
20					



Alterations Code	Insertion Guide	Stem R Alteration	Air Vent	C Chamfered Size
GDC	Adds the insertion guide. Ordering Code: GDC	Changes the relief to R0.5. Ordering Code: RC	Adds an air vent. Ordering Code: AC	Changes C Chamfering at P dimension part to 0.5 or less. Ordering Code: CN
Spec.	Ⓜ Not applicable when D≤2	Ⓜ Applicable when D-P≥2.	D=0.15 D=P (Round)	Ⓜ Standard Tapped D≥4 D≥8 Ⓜ Not applicable to D dimension part.