

Locating Pins (Large Flat Head)

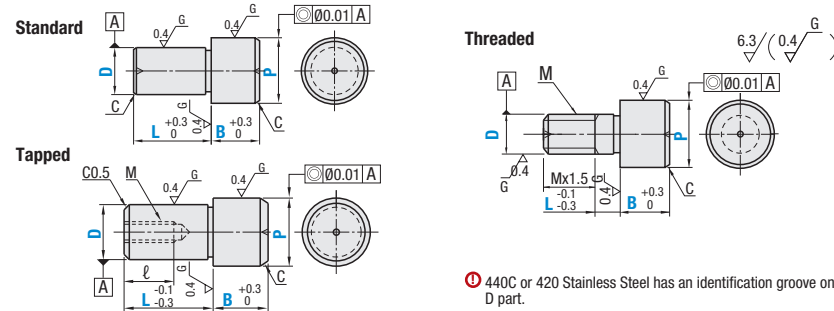
D & P Tolerance Selectable



Material No.	Material	Surface Treatment	Hardness	Type		
				Standard	Tapped	Threaded
(1)	O1 Tool Steel Equivalent	—	60-63 HRC min.	KFFA	KFFTA	KFFNA
(2)	O1 Tool Steel Equivalent	Chrome Plating	50-55 HRC min. Plating Hardness 750 HV min.	GKFFA	GKFFTA	GKFFNA
(3)	O1 Tool Steel Equivalent	—	—	BKFFA	BKFFTA	—
(4)	304 Stainless Steel Equivalent	—	—	SKFFA	SKFFTA	SKFFNA
(5)	304 Stainless Steel Equivalent	Chrome Plating	Plating Hardness 750 HV min.	—	HKFFTA	—
(6)	440C or 420 Stainless Steel	—	50-55 HRC min.	CKFFA	CKFFTA	—

Tolerance Selection

D or P	Standard Grade				Precision Grade		
	m6	p6	g6	h7	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	+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	—	—	—



Standard

Type	Part Number		D	P	L	B	C
	D Tolerance Selection	P Tolerance Selection					
KFFA GKFFA* BKFFA SKFFA CKFFA	M P G H *A *B	S M P G H *A *B	1	0.01 mm Increment	1 mm Increment	0.1 mm Increment	0.1
			2	0.01 mm Increment	1 mm Increment	0.1 mm Increment	0.5
			3	0.01 mm Increment	1 mm Increment	0.1 mm Increment	1
			4	0.01 mm Increment	1 mm Increment	0.1 mm Increment	1.5
			5	0.01 mm Increment	1 mm Increment	0.1 mm Increment	2
			6	0.01 mm Increment	1 mm Increment	0.1 mm Increment	3
			8	0.01 mm Increment	1 mm Increment	0.1 mm Increment	3
			10	0.01 mm Increment	1 mm Increment	0.1 mm Increment	3
			12	0.01 mm Increment	1 mm Increment	0.1 mm Increment	3
			13	0.01 mm Increment	1 mm Increment	0.1 mm Increment	3
			16	0.01 mm Increment	1 mm Increment	0.1 mm Increment	3
			20	0.01 mm Increment	1 mm Increment	0.1 mm Increment	3

⊗ Precision Grade Tolerance is not available for Chrome Plated Product Types.

Tapped

Type	Part Number		D	P	L	B	M	I	C
	D Tolerance Selection	P Tolerance Selection							
KFFTA GKFFTA BKFFTA SKFFTA HKFFTA CKFFTA	M P G H	S M P G H	6	0.01 mm Increment	1 mm Increment	0.1 mm Increment	M3	5	1
			6T	0.01 mm Increment	1 mm Increment	0.1 mm Increment	M2.6	4	1.5
			8	0.01 mm Increment	1 mm Increment	0.1 mm Increment	M5	8	1.5
			8T	0.01 mm Increment	1 mm Increment	0.1 mm Increment	M4	6	2
			10	0.01 mm Increment	1 mm Increment	0.1 mm Increment	M5	8	2
			10T	0.01 mm Increment	1 mm Increment	0.1 mm Increment	M4	6	3
			12	0.01 mm Increment	1 mm Increment	0.1 mm Increment	M5	8	3
			12T	0.01 mm Increment	1 mm Increment	0.1 mm Increment	M4	6	3
			13	0.01 mm Increment	1 mm Increment	0.1 mm Increment	M8	10	3
			13T	0.01 mm Increment	1 mm Increment	0.1 mm Increment	M6	9	3
			16	0.01 mm Increment	1 mm Increment	0.1 mm Increment	M8	12	3
			16T	0.01 mm Increment	1 mm Increment	0.1 mm Increment	M6	9	3
20	0.01 mm Increment	1 mm Increment	0.1 mm Increment	M8	12	3			
20T	0.01 mm Increment	1 mm Increment	0.1 mm Increment	M6	9	3			

⊕ Pins with D value ending in T (ex. 8T) 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.1542 ⊕ Please confirm pilot hole depth on P.1542. Holes may go through.

Threaded

Type	Part Number		D	P	L	B	M	C
	D Tolerance Selection	P Tolerance Selection						
KFFNA GKFFNA* SKFFNA	M P G H *A *B	S M P G H *A *B	3	0.01 mm Increment	1 mm Increment	0.1 mm Increment	M3	0.5
			4	0.01 mm Increment	1 mm Increment	0.1 mm Increment	M4	1
			5	0.01 mm Increment	1 mm Increment	0.1 mm Increment	M5	1
			6	0.01 mm Increment	1 mm Increment	0.1 mm Increment	M6	1.5
			8	0.01 mm Increment	1 mm Increment	0.1 mm Increment	M8	1.5
			10	0.01 mm Increment	1 mm Increment	0.1 mm Increment	M10	2
			12	0.01 mm Increment	1 mm Increment	0.1 mm Increment	M12	2
			16	0.01 mm Increment	1 mm Increment	0.1 mm Increment	M16	3
			20	0.01 mm Increment	1 mm Increment	0.1 mm Increment	M20	3

Part Number Example: **KFFA** - **M** - **S** - **6** - **P8.00** - **L8** - **B6.0**

⊗ Precision Grade Tolerance is not available for Chrome Plated Product Types.

Part Number Alterations: **KFFAMS6** - **P8.0** - **L8** - **B6.0** - **RC**

Alterations Code	Insertion Guide Machining		Radius		Air Vent		C Chamfered Size	
	GDC		RC		AC		CN	
Spec.	Adds Insertion Guide. Ordering Code: GDC	Guide Part D: $\frac{D-0.01}{0.03}$	Changes the relief to R0.5. Ordering Code: RC	$RC (R0.5)$	Adds an air vent. Ordering Code: AC	$D-0.15$	Changes C Chamfering at P dimension part to 0.5 or less. Ordering Code: CN	$C0.5$ or less
	⊗ Not applicable to $D \leq 2$		⊗ Applicable when $P \geq 2$.				⊗ Standard $D \geq 3$ ⊗ Applicable to Threaded Type when $D \geq 4$. ⊗ Not applicable to D dimension part.	

Locating Pins

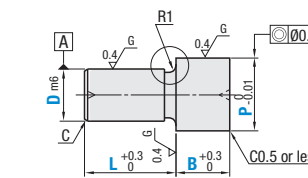
Side Locating



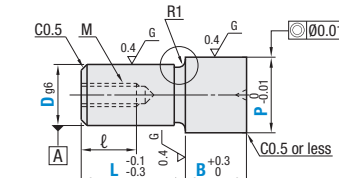
Material No.	Material	Surface Treatment	Hardness	Type		
				Standard	Tapped	Threaded
(1)	4115 Alloy Steel	—	Carburized 55 HRC min. (Depth: 0.7-0.8)	FPYT	FPYTM	FPYN
(2)	304 Stainless Steel Equivalent	—	—	SFPYT	SFPYTM	SFPYN



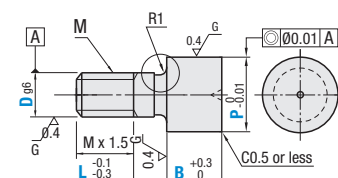
Standard



Tapped



Threaded



Standard

Type	Part Number		D	P	L	B	C
	D Tolerance Selection	P Tolerance Selection					
FPYT SFPYT	6 8 10 12 13 16 20	10.00-13.00 12.00-15.00 14.00-16.00 16.00-18.00 17.00-20.00 20.00-25.00 24.00-30.00	6	0.01 mm Increment	1 mm Increment	0.1 mm Increment	1
			8	0.01 mm Increment	1 mm Increment	0.1 mm Increment	1.5
			10	0.01 mm Increment	1 mm Increment	0.1 mm Increment	2
			12	0.01 mm Increment	1 mm Increment	0.1 mm Increment	2
			13	0.01 mm Increment	1 mm Increment	0.1 mm Increment	2
			16	0.01 mm Increment	1 mm Increment	0.1 mm Increment	3
			20	0.01 mm Increment	1 mm Increment	0.1 mm Increment	3

Tapped

Type	Part Number		D	P	L	B	M	I	C
	D Tolerance Selection	P Tolerance Selection							
FPYTM SFPYTM	6 8 10 12 13 16 20	10.00-13.00 12.00-15.00 14.00-16.00 16.00-18.00 17.00-20.00 20.00-25.00 24.00-30.00	6	0.01 mm Increment	1 mm Increment	0.1 mm Increment	M2.6	4	4
			8	0.01 mm Increment	1 mm Increment	0.1 mm Increment	M4	6	6
			10	0.01 mm Increment	1 mm Increment	0.1 mm Increment	M5	8	8
			12	0.01 mm Increment	1 mm Increment	0.1 mm Increment	M5	8	8
			13	0.01 mm Increment	1 mm Increment	0.1 mm Increment	M4	6	8
			16	0.01 mm Increment	1 mm Increment	0.1 mm Increment	M8	10	12
			20	0.01 mm Increment	1 mm Increment	0.1 mm Increment	M6	9	12

⊕ Note the strength of under-head part. P.1542

* The tightening torque (ref. value) for hardened products is strength class 8.8. (See technical data on MISUMI 2019 catalog P.4015). Not applicable when using locking agents or spring washers.

Threaded

Type	Part Number		D	P	L	B	M
	D Tolerance Selection	P Tolerance Selection					
FPYN SFPYN	6 8 10 12 16 20	10.00-13.00 12.00-15.00 14.00-16.00 16.00-18.00 20.00-25.00 24.00-30.00	6	0.01 mm Increment	1 mm Increment	0.1 mm Increment	M6
			8	0.01 mm Increment	1 mm Increment	0.1 mm Increment	M8
			10	0.01 mm Increment	1 mm Increment	0.1 mm Increment	M10
			12	0.01 mm Increment	1 mm Increment	0.1 mm Increment	M12
			16	0.01 mm Increment	1 mm Increment	0.1 mm Increment	M16
			20	0.01 mm Increment	1 mm Increment	0.1 mm Increment	M20

Part Number Example: **FPYT10** - **P15.00** - **L15** - **B10.0**

Static Shear Failure Data

Materials	Static Yield Load (KN)	
	Relief	R ₁
Carburized 4115 Alloy Steel	18.8	21.3

⊕ Values are reference and not guaranteed values.

