


Locating Pins for Height Adjusting

Locating Pins - Large Head, Tapered Nonmagnetic

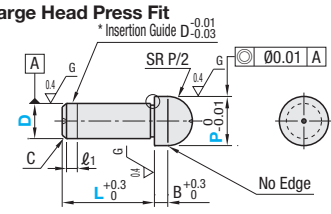
Features: Locating pins for printed circuit boards. B dimension is fixed short for thin boards. Reasonably priced.

Features: Nonmagnetic (Aluminum) Locating Pins. Does not magnetically affect the surroundings.

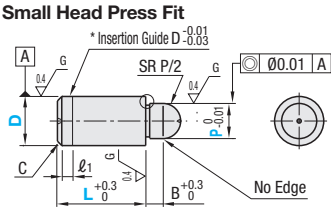


Material No.	Material	Surface Treatment	Hardness	Large Head		Small Head	
				Press Fit	Threaded	Press Fit	Tapped
①	SUS304	-	-	SFPLA (m6) SFPLP (p6)	SFPLN	SFPMA (m6) SFPMP (p6)	SFPMT
②	SUS440C or 13Cr stainless	-	Treated Hardness: 50 ~ 55HRC	CFPLA (m6) CFPLP (p6)	CFPLN	CFPMA (m6) CFPMP (p6)	-

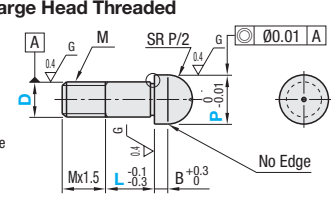
Large Head Press Fit



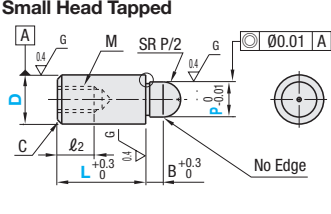
Small Head Press Fit



Large Head Threaded



Small Head Tapped



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* The insertion guide is applicable to tolerance m6 and p6 type only.
 * When the P dimension is small, a centering hole will cause the sphere section to become small.
 * SUS304 may not be polished and may have no centering hole.
 * The spherical head may be polished.

Large Head Press Fit

Part Number	Type	D	D dim. Tolerance		P	L	B	C	ℓ ₁	Unit Price	
			m6	p6						① SUS304 SFPLA SFPLP	② SUS440C or 13Cr stainless CFPLA CFPLP
1	SFPLA (m6)	1	-	-	1.50-2.00	2-10	1	0.1	0	-	-
2	SFPLP (p6)	2	+0.008	+0.012	2.50-4.00	2-15	1	0.2	0	-	-
3	CFPLA (m6) CFPLP (p6)	3	+0.002	+0.006	3.50-6.00	3-15	2	-	1	-	-

Large Head Threaded

Part Number	Type	D	D dim. Tolerance		P	L	B	M (Coarse)	Tightening Torque N·cm	Unit Price	
			g6	g6						① SUS304 SFPLN	② SUS440C or 13Cr stainless CFPLN
2	SFPLN	2	-0.002	-	2.50-4.00	2-12	1	M2	-	-	-
3	CFPLN	3	-0.008	-	3.50-6.00	2-12	2	M3	98	-	-

Small Head Press Fit

Part Number	Type	D	D dim. Tolerance		P	L	B	C	ℓ ₁	Unit Price	
			m6	p6						① SUS304 SFPMA SFPMP	② SUS440C or 13Cr stainless CFPMA CFPMP
2	SFPMA (m6)	2	+0.008	+0.012	1.00-1.95	2-15	1	0.3	0	-	-
3	SFPMP (p6)	3	+0.002	+0.006	1.50-2.95	3-15	1	0.5	0	-	-
4	CFPMA (m6)	4	+0.012	+0.020	2.50-4.00	3-20	2	1	1	-	-
5	CFPMP (p6)	5	+0.004	+0.012	-	-	-	-	-	-	-
6	CFPMP (p6)	6	+0.004	+0.012	-	-	-	-	-	-	-

Small Head Tapped

Part Number	Type	D	D dim. Tolerance		P	L	B	C	M (Coarse)	Tightening Torque N·cm	ℓ ₂	Unit Price	
			g6	g6								① SUS304 SFPMT	-
5	SFPMT	5	-0.004	-	2.50-4.00	10-20	2	0.5	M2	-	3	-	-
6	SFPMT	6	-0.012	-	-	-	-	-	M3	98	5	-	-

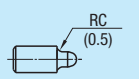
*The tightening torque (ref. value) for hardened products is strength class 8.8. (See technical data on P. 2297.) Not applicable when using locking materials or lock washers.

Ordering Example
 Part Number: SFPLN 2 - P2.90 - L8
 Type: SFPLN 2 - P2.90 - L8
 CFPMA 6 - P3.95 - L15

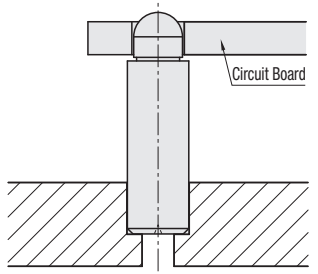

Alterations
 Part Number: SFPMT5 - P2.95 - L10 - RC

Example
 The tip is made spherical to prevent PCB damage, and the B dim. is kept short to prevent from going through.

Alteration	Stem R Alteration
Code	RC
Spec.	Changes the relief to R0.5. Ordering Code: RC



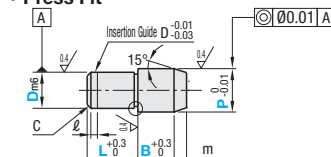
Applicable when D-P≥2.

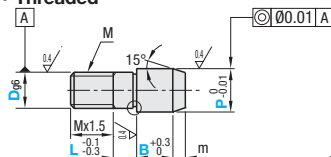
Material	Surface Treatment	Tip Shape	Type	
			Press Fit	Threaded
A2017	Clear Anodize	Round	AFPMA AFPMD	AFPMTA AFPMTD
		Diamond	AFPMA AFPMD	AFPMTA AFPMTD

*Threads are prone to be crushed due to the soft material. Refer to the recommended tightening torque in the table for mounting.

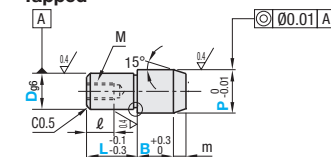
Press Fit



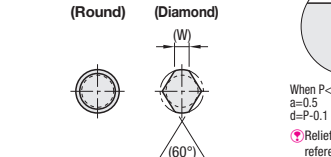
Threaded



Tapped



(Round) (Diamond)



When P<3 a=0.5
When P3 a=1.0
d=P-0.1 d=P-0.2
Relief dimension is a reference value.

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Press Fit

Part Number	Type	D	D dim. Tolerance m6	P	L	B	C	m	(W)	ℓ	Unit Price	
											0.01mm Increment	1mm Increment
1	AFPMA	1	-	1.50-2.50	2-3	1.0-5.0	0.1	0.5	-	0	-	-
2	AFPMD	2	+0.008	2.50-4.00	2-6	1.0-10.0	0.5	1	1.2	0	-	-
3	AFPMD	3	+0.002	3.50-6.00	3-6	1.0-10.0	0.5	2	1.5	0	-	-
4	AFPMA	4	+0.012	4.50-7.00	4-8	1.0-10.0	1	3	1.8	0	-	-
5	AFPMD	5	+0.004	5.50-8.00	5-10	1.0-10.0	1	3	2.2	0	-	-
6	AFPMD	6	+0.004	6.50-10.00	6-12	1.0-12.0	1.5	3	3	0	-	-
8	AFPMA	8	+0.015	9.00-13.00	8-16	1.0-15.0	1.5	4	3.5	0	-	-
10	AFPMD	10	+0.006	11.00-15.00	10-20	3.0-20.0	2	4	4	0	-	-
12	AFPMA	12	+0.018	13.00-16.00	12-24	3.0-20.0	2	5	5	0	-	-
13	AFPMD	13	+0.007	14.00-18.00	13-26	5.0-20.0	3	5	5.5	0	-	-
16	AFPMD	16	+0.007	17.00-25.00	16-32	5.0-20.0	3	7	7	0	-	-

*Diamond Shape is applicable when D≥2.

Tapped

Part Number	Type	D	D dim. Tolerance g6	P	L	B	m	(W)	ℓ	M (Coarse)	Recommended Tightening Torque (kgf·cm)	Unit Price	
												0.01mm Increment	1mm Increment
6	AFPMTA	6	-0.012	6.50-10.00	6(9)-12	2.0-12.0	3	3	5	M3	6.25	-	-
8	AFPMTD	8	-0.005	9.00-13.00	8(12)-16	2.0-15.0	4	3.5	8	M5	10	-	-
10	AFPMTD	10	-0.014	11.00-15.00	10(12)-20	3.0-20.0	4	4	8	M5	10	-	-
12	AFPMTA	12	-0.006	13.00-16.00	12-24	3.0-20.0	5	5	10	M8	22.5	-	-
13	AFPMTD	13	-0.017	14.00-18.00	13(14)-26	5.0-20.0	5	5.5	10	M8	22.5	-	-
16	AFPMTD	16	-0.017	17.00-25.00	16-32	5.0-20.0	5	7	12	M8	22.5	-	-

*L dimension in () is applicable to Diamond Shape. *Recommended tightening torque is reference value.

Threaded

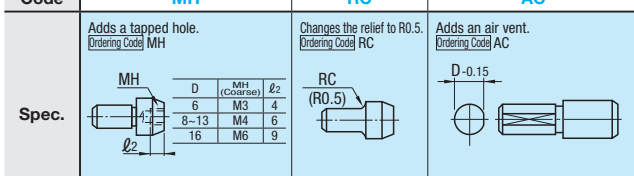
Part Number	Type	D	D dim. Tolerance g6	P	L	B	m	(W)	M (Coarse)	Recommended Tightening Torque (kgf·cm)	Unit Price	
											0.01mm Increment	1mm Increment
3	AFPMTA	3	-0.002	3.50-6.00	2-6	1.0-10.0	2	1.5	3	5	-	-
4	AFPMTD	4	-0.008	4.50-7.00	2-8	1.0-10.0	2	1.8	4	7	-	-
5	AFPMTD	5	-0.004	5.50-8.00	3-10	1.0-10.0	3	2.2	5	8.75	-	-
6	AFPMTD	6	-0.012	6.50-10.00	3-10	1.0-12.0	3	3	6	17.5	-	-
8	AFPMTA	8	-0.005	9.00-13.00	5-10	1.0-15.0	4	3.5	8	18.75	-	-
10	AFPMTD	10	-0.014	11.00-15.00	5-15	3.0-20.0	4	4	10	27.5	-	-
12	AFPMTD	12	-0.006	13.00-18.00	8-15	3.0-20.0	5	5	12	92.5	-	-
16	AFPMTD	16	-0.017	17.00-25.00	8-20	5.0-20.0	5	7	16	100	-	-

*Recommended tightening torque is reference value.

Ordering Example
 Part Number: AFPMA6 - P8.50 - L6 - B3.0

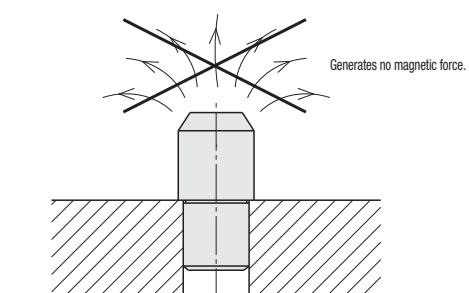
Alterations
 Part Number: AFPMTA10 - P12.00 - L15 - B6.0 - AC

Alterations	Tapping	Stem R Alteration	Air Vent
Code	MH	RC	AC
Spec.	Adds a tapped hole. Ordering Code: MH	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 to Tapped.
 Applicable when P-D≥2
 Not applicable to Threaded.

Example
 Since made of nonmagnetic metal, usable around small workpieces and the inside of the measuring instruments without magnetic effects.



Generates no magnetic force.