

# Locating Pins (Large Head)

## Bullet Nose

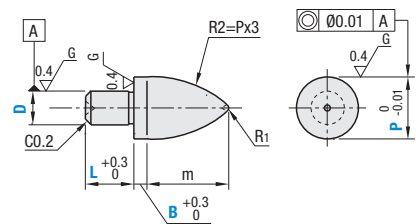
**Features:** R shape at insertion guide enables smooth insertion of workpiece. Compact Type with specifiable shorter L dimension.

### Locating Pins – Large Head, Bullet Nose



Materials No.	Material	Surface Treatment	Hardness	Type	Shape Code
(1)	O1 Tool Steel Equivalent	—	Treated Hardness: 60–63 HRC min.	FPCH	A Standard, m6 PA Standard, p6 NA Threaded
(2)	O1 Tool Steel Equivalent	Hard Chrome Plating	Treated Hardness: 50–55 HRC min. Plating Hardness 750 HV min.	GFPCH	
(3)	O1 Tool Steel Equivalent	—	—	BFPCH	
(4)	304 Stainless Steel Equivalent	—	—	SFPCH	
(5)	304 Stainless Steel Equivalent	Hard Chrome Plating	Plating Hardness 750 HV min.	HFPCH	
(6)	440C or 420 Stainless Steel	—	Treated Hardness: 50–55 HRC min.	CFPCH	

### Standard

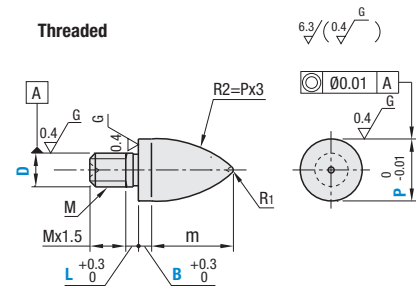


$$m = \sqrt{(3P-R_1)^2 - \left(\frac{5P}{2}\right)^2} + R_1$$

① m dimension is the value before grinding.  
Centering holes may shorten the actual length.

- ① Polished, centering hole may not be on all 304 Stainless Pins.
- ① Locating Pins for Height Adjusting that have a shorter fixed B dimension are available on P.1616

### Threaded



When D < 3  
a = 0.5  
d = D - 0.1

When D ≥ 3  
a = 1.0  
d = D - 0.2

① Relief dimension is reference value.

RoHS10

## Standard

Type	Shape Code	D	D Dimension Tolerance		P 0.01 mm Increment	L 1 mm Increment	B 0.1 mm Increment	R <sub>1</sub>		
			m6	p6						
FPCH GFPCH BFPCH SFPCH HFPCH CFPCH	A m6	2	+0.008	+0.012	3.00–4.00	2–10	1.0–5.0	1		
		3	+0.002	+0.006	3.50–6.00					
		4			4.50–7.00					
		5	+0.012	+0.020	5.50–8.00					
		6	+0.004	+0.012	6.50–10.00					
		8	+0.015	+0.024	8.50–13.00					
	10	+0.006	+0.015	10.50–15.00						
		PA p6				3–10				2

## Threaded

Type	Shape Code	D	D Dimension Tolerance g <sub>s</sub>	P 0.01 mm Increment	L 1 mm Increment	B 0.1 mm Increment	R <sub>1</sub>	M (Coarse)	* Tightening Torque N · cm	
FPCH GFPCH BFPCH SFPCH HFPCH CFPCH	NA	3	-0.002 -0.008	3.50–6.00	2–10	1.0–5.0	1	M3	98	
		4		4.50–7.00				M4	225	
		5	-0.004 -0.012	5.50–8.00				M5	461	
		6		6.50–10.00				M6	784	
		8		9.00–13.00				M8	1911	
		10	-0.005 -0.014	11.00–15.00				M10	3783	
					2					

\* 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.

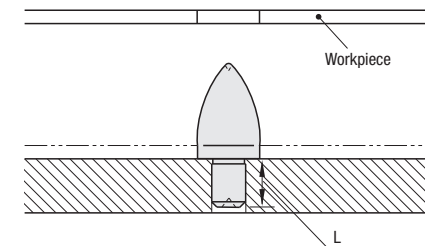
Part Number Example

Type	Shape	D	P	L	B
FPCH	A	3	P4.20	L6	B2.0
SFPCH	PA	5	P6.00	L4	B3.5

# Locating Pins (Large Head)

## Bullet Nose, continued

### Application Example



Tip radius R enables smooth insertion of work.  
Space-saving compact type with shorter mounting part (L dimension).

Designed to be used in limited spaces.

### Part Number Alterations

Part Number	P	L	B	(DRC, GDC, RC, AC, TC)
CFPCHPA3	P4.00	L4	B1.0	AC

Alterations	Screwdriver Slot	Insertion Guide	Radius	Air Vent	Tip Length
	Code	DRC	GDC	RC	AC
Spec.	Width 0.8mm Depth 1 mm ① Applicable to Threaded only. ① Applicable when B ≥ 2.0.	Adds the insertion guide. Ordering Code: GDC ① Not applicable when L = 2. ① Not applicable to D = 2. ① Not applicable to Threaded.	Changes the relief to R0.5. Ordering Code: RC ① Applicable when P - D ≥ 2. ① Not applicable when L = 2.	Adds an air vent. Ordering Code: AC ① Not applicable to Threaded. ① Applicable when L ≥ 4 or B ≥ 4.0.	Changes tip length. Ordering Code: TC5 (1 mm Increment) ① P/2 ≤ TC ≤ P