

# Locating Pins

## Air Vent, Threaded / Tapped

■ **Features:** Air vent enables easy insertion of pins.

Material	Hardness	Type	
		Threaded	Tapped
EN 1.3505 Equiv.	Treated Hardness: 45 - 50HRC	LPN	LPT
EN 1.4301 Equiv.	-	SLPN	SLPT
EN 1.4125 Equiv.	Treated Hardness: 50 - 55HRC	CLPN	CLPT

• Threaded

• Tapped

RoHS

Part Number		L	L1	d <sub>g6</sub>	M (Coarse)	Tightening Torque N·cm	l <sub>1</sub>	l <sub>2</sub>	r	Unit Price		
Type	D dim. Tolerance g6									LPN	SLPN	CLPN
LPN SLPN CLPN	5	10 12 15 20 25 30	12	3	M3	147	7	1	1			
	6	10 12 15 20 25 30	15	4	M4	333	10					
	8	10 12 15 20 25 30	20	5	M5	676	1.5	1.5				
	10	15 20 25 30	20	6	M6	1156	2	2				
	12	15 20 25 30										

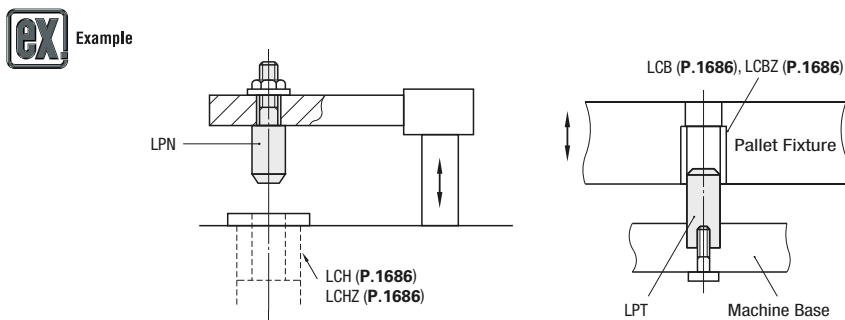
⊕ L=10, 12 are applicable to SLPN and CLPN only.  
 \* Tightening torque (reference) will be within Strength Class of Tightening Torque on Technical Data P. 2297 (10.9). Not applicable when using locking materials or lock washers.

Part Number		L	M (Coarse)	Tightening Torque N·cm	l <sub>1</sub>	l <sub>2</sub>	r	Unit Price		
Type	D dim. Tolerance g6							LPT	SLPT	CLPT
LPT SLPT CLPT	5	10 12 15 20 25 30	M3	147	6	1	1			
	6	10 12 15 20 25 30	M4	333	8					
	8	12 15 20 25 30	M5	676	1.5	1.5				
	10	20 25 30	M6	1156	2	2				
	12	20 25 30								

⊕ l<sub>1</sub>=6 only when D=6, L=10. The pilot hole for tapping may go through.  
 \* Tightening torque (reference) will be within Strength Class of Tightening Torque on Technical Data P. 2297 (10.9). Not applicable when using locking materials or lock washers.

Ordering Example

Part Number	-	L
LPN5	-	15
LPT6	-	20



# Locating Pins

## Plastic, Small Diameter / Plastic, Screw Mounted

■ **Features:** Having a metal core, it is less prone to be broken when used for side locating. Characteristic of Resin P.2-953, 954

Part Number	Material Code	Material	d	K
			0.4	8.5
			0.7	10
			1.0	16

• Plastic, Small Diameter

RoHS

• Straight, Sphere

• Straight, Flat

• Small Head

⊕ Some combinations are not available. Refer to the price list to select the available combination.  
 ⊕ Core rod material is EN 1.4301 Equiv.  
 ⊕ There is a flat part of Ø0.2 or below at the tip of Straight, Sphere and Small Head Type.  
 ⊕ MC Nylon of flat is not available.  
 ⊕ The outer diameter tolerance is the result of measurement at room temperature (20°C).

• Core Rod Length  
 Straight, Sphere: The smaller of the followings. L-(D/2+(2)) or the value of row K in the table above  
 Straight, Flat: The smaller of the followings. L-(2) or the value of row K in the table above  
 Small Head: The smaller of the followings. (L+B)-(P/2+(2)) or the value of row K in the table above

Part Number		D 0.1mm Increment	D dim. Tolerance m6	L 0.5mm Increment	d	Unit Price					
Insertion Guide Shape	Material Code					SNSBB	SNSPM	SNSEC	SNSPK	SPSBB	SPSPM
SNS (Sphere)	BB PM EC PK	1.0~2.0	+0.008 +0.002	5.0~20.0	0.7						
SPS (Flat)	(Sphere only)	2.1~3.0			1.0						

Part Number		D Tolerance	D 0.01mm Increment	L 0.1mm Increment	d	Unit Price			
Insertion Guide Shape	Material Code					SNPBB	SNPPM	SNPEC	SNPPK
SNP	BB PM EC PK	M (m6) G (g6) H (h7)	1.00~2.00 2.01~3.00	5.0~20.0	0.7 1.0				

Part Number		D 0.1mm Increment	D dim. Tolerance m6	L 0.1mm Increment	P 0.1mm Increment	B 0.1mm Increment	d	Unit Price			
Insertion Guide Shape	Material Code							SNSHBB	SNSHPM	SNSHEC	SNSHPK
SNSH	BB PM EC PK	1.1~2.0 2.1~3.0	+0.008 +0.002	5.0~18.5	1.0~1.9 (D>P) 1.0~2.9 (D>P)	1.5~10.0 (B-P/2≥1.0)	0.4 0.7				

⊕ When D≤2, L+B≤15 When D>2, L+B≤20

Ordering Example

Part Number	-	D	-	L	-	P	-	B
SNSBB	-	D1.5	-	L7.5	-		-	
SNSHPM	-	D1.5	-	L10.0	-	P1.0	-	B1.5

Part Number		P (Standard Grade)	P (Precision Grade)	B 1mm Increment	m	d <sub>1</sub>	d <sub>2</sub>	l	Applicable Screw	Unit Price						
Type	No.									1mm Increment Tolerance	0.1mm Increment Tolerance	JPAJ	JPEAJ	FPAJ	FPEAJ	
JPAJ	FPAJ	3	8~10	0	8.0~10.0	0	10~25	2	6.5	3.5	4.5	M3				
JPEAJ	FPEAJ	4	10~12	-0.2	10.0~12.0	-0.05	15~35	3	8.0	4.5	5.5	M4				
		5	12~16		12.0~16.0		15~50	4	9.5	5.5	6.5	M5				

⊕ Characteristics of Polyacetal and PEEK P.2-953, 954

• Plastic, Screw Mounted

RoHS

Ordering Example

Part Number	-	P	-	B
JPAJ3	-	P8	-	B15