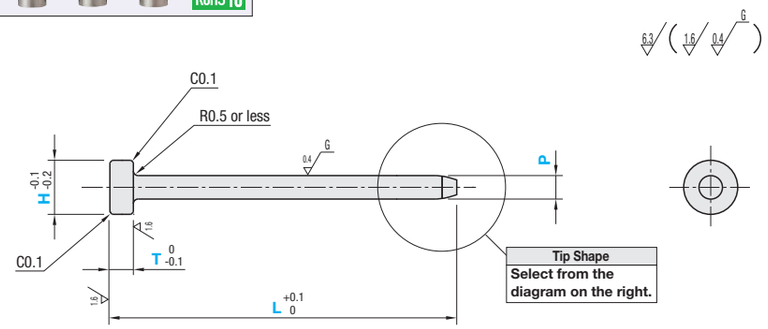
Small Diameter Locating Pin

With Shoulder Seat

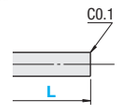
RoHS10

Material	Part Number		
	Insertion Guide Shape	Tolerance	Material Code
SUS304	SF (Flat) SP (Sphere) SX (Tapered)	SZ (Standard Tolerance) PZ (Selectable Tolerance)	S

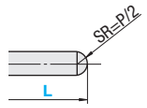


Tip Shape Selectable

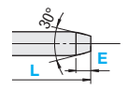
Flat



Sphere



Tapered



Standard Tolerance

Part Number TYPE			P 0.1mm Increment	P Dim. Tolerance	L 0.5mm Increment	T 1mm Increment	H	E 0.5mm Increment
Flat	Sphere	Tapered	1.0~1.3	0 -0.01	13.0~30.0	3~5	2	0.5
SFSZS	SPSZS	SXSZS	1.4~2.5				4	0.5~1.5
			2.6~3.5				6	0.5~2.5

L-T≥10 For Tapered, P≥E

Tolerance Selectable

Part Number TYPE			P Tolerance	P 0.01mm Increment	L 0.1mm Increment	T 0.1mm Increment	H 0.1mm Increment	E 0.5mm Increment
Flat	Sphere	Tapered	P +0.005 0	1.00~1.40	13.0~30.0	3.0~5.0	2.0~3.0	0.5
SFPZS	SPPZS	SXPZS	Q ±0.002	1.41~2.50			2.0~4.0	0.5~1.5
			R 0 -0.005	2.51~3.50			3.0~8.0	0.5~2.5

L-T≥10 P+0.5≤H For Tapered, P≥E

Ordering Example

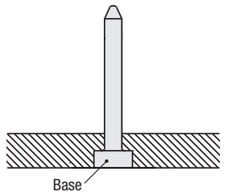
Standard Tolerance

Part Number	-	P	-	L	-	T	-	E	
SPSZS	-	P1.5	-	L18.5	-	T3			(Sphere)
SXSZS	-	P2.5	-	L20.0	-	T4	-	E1.5	(Tapered)

Tolerance Selectable

Part Number		-	P	-	L	-	T	-	H	-	E	
Type	P Tolerance											
SPPZS	P	-	P1.55	-	L15.0	-	T3.2	-	H3.8			(Sphere)
SXPZS	Q	-	P1.00	-	L19.0	-	T4.5	-	H2.5	-	E0.5	(Tapered)

Example



Shoulder is provided to prevent pin extraction.

Standard Tolerance

P	Unit Price		
	Flat	Sphere	Tapered
	SFSZS	SPSZS	SXSZS
1.0~1.3			
1.4~2.5			
2.6~3.5			

Tolerance Selectable

P	Unit Price		
	Flat	Sphere	Tapered
	SFPZS	SPPZS	SXPZS
1.00~1.40			
1.41~2.50			
2.51~3.50			

Small Diameter Height Adjusting Pins / Small Diameter Plunging Locating Pins

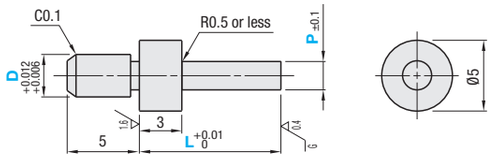
Features: Small Diameter Height Adjusting Pins achievable accuracy in height tolerance is 1/100. Suitable for locating of circuit board in vertical direction.

Small Diameter Height Adjusting Pins

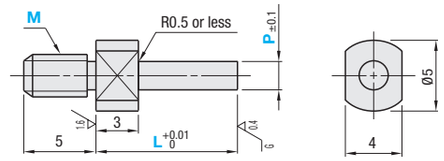
RoHS10

Part Number		Material
Press Fit	Threaded	
SFHH	SFNN	SUS304

Press Fit



Threaded



Press Fit

Part Number TYPE	D	L 0.01mm Increment	P 0.5mm Increment	Unit Price
SFHH	3	5.00~15.00	1.0~3.0	

Threaded

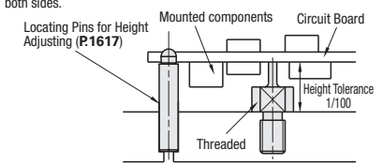
Part Number TYPE	M (Coarse)	L 0.01mm Increment	P 0.5mm Increment	Unit Price
SFNN	3	5.00~15.00	1.0~3.0	

Ordering Example

Part Number	-	L	-	P	
SFHH3	-	L9.98	-	P2.0	(Press Fit)
SFNN3	-	L6.50	-	P2.5	(Threaded)

Example

Suitable for supporting a circuit board with components installed on both sides.

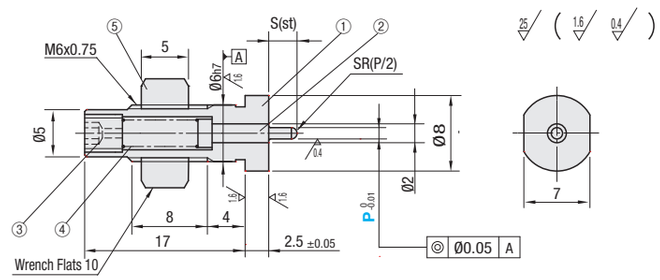


Features: Small Dia. Pin Units with spring-retained stroking pins.

Small Diameter Plunging Locating Pins

RoHS10

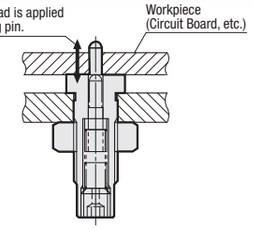
Part Number	① Main Body Material	② Pin Material	③ Plug Material	④ Spring Material	⑤ Nut Material
DSDP	SUS304	SUS304 (Sliding Section: Fluorine Coating)	SUS304 Equivalent	SUS304-WPB	SUS304 Equivalent



Part Number	P 0.01mm Increment	S	Load (N) min.	Load (N) max.	Unit Price
DSDP	1.00~1.50	3.0	0.2	0.48	
	1.51~1.99	4.5	0.2	0.64	

Ordering Example

Part Number	-	P
DSDP	-	P1.70

Example

The pin will sink when load is applied on spring-loaded locating pin.