

Small Diameter Locating Pin

Straight

■ **Features:** Locating pins with Ø3 or less pin diameter. Selectable from 4 types of tip shape.

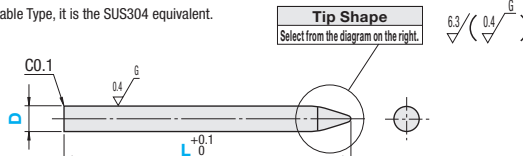


RoHS10

Material	Hardness	Type											
		L Selectable			L Configurable			L Configurable and Tolerance Selectable					
		Flat	Sphere	Tapered	Flat	Sphere	Taper R	Tapered	Flat	Sphere	Taper R	Tapered	
SUS304 (SK4) Equivalent	Treated Hardness: 50 ~ 55HRC	SFKT	SPKT	SXKT	SFST	SPST	STST	SXST	SFFPT	SPPT	STPT	SXFPPT	
*SUS304	-	SFKS	SPKS	SXKS	SFSS	SPSS	STSS	SXSS	SFPS	SPPS	STPS	SXFPS	
SUS440C Equivalent	Treated Hardness: 50 ~ 55HRC	-	-	-	SFSXC	SPSXC	STXC	SXSXC	SFPXC	SPPXC	STPXC	SXFPXC	
SUS304 (SR Parts Polished)	-	-	-	-	-	-	-	-	-	-	-	-	
SUS304 (SR Parts Polished)	Treated Hardness: 40 ~ 52HRC	-	-	-	-	SPSSG	-	-	-	-	-	-	

* For L Selectable Type, it is the SUS304 equivalent.

Tip Shape
Select from the diagram on the right.



6.3 / (0.4 G)

⚠ SUS304 may not be polished.

■ L Selectable

Part Number	D	d dim. Tolerance	L Selection	E
Flat	1		3 4 5 6 10	
Sphere	1.5	0 -0.005	5 6 8	0.5
Tapered	2		5 6 8 10 12 15	
SFKT SPKT SXKT SFKS SPKS SXKS	3		5 6 8 10 12 15	1

■ L Configurable

Part Number	D 0.1mm Increment	d dim. Tolerance	L 0.5mm Increment	E 0.5mm Increment	R
Flat	1.0~2.0	0 -0.005	3.0~30.0	0.5~2.5	0.2
Sphere	2.1~3.0				0.4
SPST STST SXST SFSS SPSS STSS SXSS SFSXC SPSXC STXC XSXC SPSSG SPSDG					

⚠ For Taper R, L-1≥(Dx1.85)-(Rx2.75) ⚠ For Tapered, L≥E+1 D≥E

■ L Configurable and Tolerance Selectable

Part Number	D Tolerance	D 0.01mm Increment	L 0.1mm Increment	E 0.5mm Increment	R
Flat	P +0.005 Q ±0.002 R 0 -0.005 H 0 -0.01	0.50~1.00	3.0~30.0	0.5~2.5	-
Sphere		1.01~2.00	3.0~30.0		0.2
Taper R		2.01~3.00			0.4
SFFPT SPPT SXFPPT SFPS SPPS STPS SXFPS SFPXC SPPXC STPXC SXFPXC					

⚠ For Taper R, L-1≥(Dx1.85)-(Rx2.75) ⚠ For Tapered, L≥E+1 D≥E



■ L Selectable

Part Number - D - L
SPKS - D1 - L5

■ L Configurable

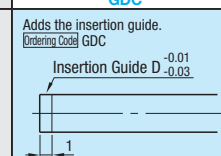
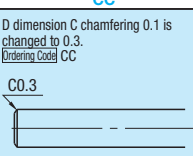
Part Number - D - L - E
SPST - D1.5 - L8.5 (Sphere)
SXST - D1.5 - L5.0 - E1.0 (Tapered)

■ L Configurable and Tolerance Selectable

Part Number - D - L - E
Type D Tol.
SPPT P - D0.55 - L5.0 (Sphere)
SXFPPT P - D2.82 - L5.0 - E2.5 (Tapered)



Part Number - D - L - E - (GDC, CC)
SFST - D2.0 - L10 - CC
⚠ Combination of GDC and CC is not available. ⚠ Not applicable to L Selectable Type.

Alterations Code	Insertion Guide GDC	C Chamfered Size CC
Spec.	 Insertion Guide D -0.01 -0.03 ⚠ Machines one side only for Flat Type. ⚠ Applicable when D≥2.1 and L≤5.0 for L Configurable Type. ⚠ Applicable when D≥2.01 and L≤5.0 for L Configurable and Tolerance Selectable Type.	 D dimension C chamfering 0.1 is changed to 0.3. C0.3 ⚠ D≥1.5 is applicable to L Configurable Type. ⚠ D≥1.50 is applicable to L Configurable and Tolerance Type.

■ L Selectable

D	Flat	Sphere	Tapered
1	SFKT	SFKS	SPKT
1.5			SPKS
2			SXKT
3			SXKS

■ L Configurable

D	Flat	Sphere	Taper R Type	Tapered
1.0~2.0	SFST	SFSS	SFSXC	SPST
2.1~3.0			SPSS	SPSXC
			SPSSG	SPSDG
			STST	STSS
			STXC	SXST
			SXSS	SXSXC

■ L Configurable and Tolerance Selectable

D	Flat	Sphere	Taper R Type	Tapered
0.50~1.00	SFFPT	SFPS	SFPXC	SPPT
1.01~2.00			SPPS	SPPXC
2.01~3.00			STPT	STPS
			STPXC	SXFPPT
			SXFPS	SXFPXC

Small Diameter Locating Pin

Small Head

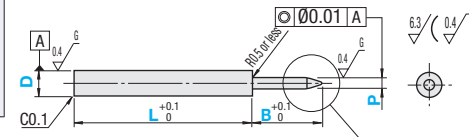
■ Small Head / Press Fit



RoHS10

Material	Hardness	Type											
		L Selectable			L Configurable			L Configurable and Tolerance Selectable					
		Sphere	Flat	Sphere	Taper R	Tapered	Flat	Sphere	Taper R	Tapered			
SUS304 (SK4) Equivalent	50~55HRC	SPKHT	SFSHT	SPSHT	STSH	SXSH	SFPHT	SPPHT	STPHT	SXPHT			
SUS304	-	SPKHS	SFSHS	SPSHS	STSHS	SXSHS	SFPHS	SPPHS	STPHS	SXPHS			
SUS440C Equivalent	50~55HRC	-	SFSHC	SPSHC	STSHC	SXSHC	SFPHC	SPPHC	STPHC	SXPHC			
SUS304 (SR Parts Polished)	40~52HRC	-	-	-	-	-	-	-	-	-			
SUS304 (SR Parts Polished)	-	-	-	SPSHDG	-	-	-	-	-	-			

⚠ Material code SG and DG are applicable to L Configurable Type of Sphere only.
⚠ L Selectable Type is applicable to Sphere only.



Tip Shape
Select from the diagram on the right.

⚠ SUS304 may not be polished.
⚠ Chamfering of mounting portion and change of tolerance are available as alterations.

■ L Selectable

Part Number	D	D dim. Tolerance	L Selection	P	P Dim. Tolerance	B
SPKHT	2	0 -0.005	3 5 10	0.95	0 -0.01	2
SPKHS	3		3 8 10	1.95		4

■ L Configurable

Part Number	D 0.1mm Increment	d dim. Tolerance	L 0.5mm Increment	P 0.1mm Increment	P Dim. Tolerance	B 0.5mm Increment	E 0.5mm Increment	R
Flat	1.0~2.0	0 -0.005	3.0~20.0	0.9~1.9 (D>P)	0 -0.01	1.5~10.0 (B-P/2≥1.0)	0.5~2.5	0.2
Sphere	2.1~3.0			1.9~2.9 (D>P)				0.4
SFSHT SFSHS SFSHC SPSHT SPSHS SPSHC STSH STSHS STSHC SXSH SXSHS SXSHC								

⚠ For Taper R Type, B-1≥1.85P-2.75R ⚠ For Tapered: B≥E+1, P≥E

■ L Configurable and Tolerance Selectable

Part Number	D Tolerance	P Tolerance	D 0.01mm Increment	L 0.1mm Increment	P 0.01mm Increment	B 0.1mm Increment	E 0.5mm Increment	R
Flat	P +0.005 Q ±0.002 R 0 -0.005 H 0 -0.01	P +0.005 Q ±0.002 R 0 -0.005 H 0 -0.01	0.51~1.00	3.0~20.0	0.50~0.99 (D>P)	1.5~5.0 (B-P/2≥1.0)	0.5~2.5	-
Sphere			1.01~2.00		0.50~1.99 (D>P)			0.2
Taper R			2.01~3.00		1.00~2.99 (D>P)	1.5~10.0 (B-P/2≥1.0)		0.4
SFPHT SPSHT STSH SXSH SFPHS SPSHS STSHS SXSHS SFPHC SPPHC STPHC SXPHC								

⚠ For Taper R Type, B-1≥1.85P-2.75R ⚠ For Tapered: B≥E+1, P≥E



■ L Selectable

Part Number - D - L
SPKHT - D2 - L5

■ L Configurable

Part Number - D - L - P - B - E
SPSHS - D1.5 - L10.0 - P0.9 - B1.5 (Sphere)
SXSHS - D1.5 - L10.0 - P1.2 - B2.0 - E1.0 (Tapered)

■ L Configurable and Tolerance Selectable

Part Number - D - L - P - B - E
Type D Tol. P Tol. B Tol. E Tol.
SPPHT Q R - D1.50 - L10.1 - P0.95 - B5.3 (Sphere)
SPPHS P P - D1.50 - L10.0 - P1.20 - B3.0 - E1.0 (Tapered)

■ L Selectable

D	Unit Price
1	SPKHT
2	SPKHS
3	

■ L Configurable

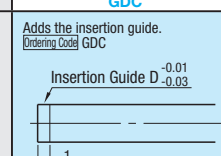
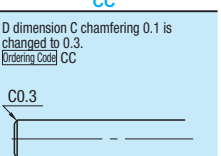
D	Flat	Sphere	Taper R Type	Tapered
1.0~2.0	SFSHT	SFSHS	SFSHC	SPSHT
2.1~3.0			SPSHS	SPSHC
			STSH	STSHS
			STSHC	SXSH
			SXSHS	SXSHC

■ L Configurable and Tolerance Selectable

D	Flat	Sphere	Taper R Type	Tapered
0.51~1.00	SFPHT	SFPHS	SFPHC	SPPHT
1.01~2.00			SPPHS	SPPHC
2.01~3.00			STPHT	STPHS
			STPHC	SXPHT
			SXPHS	SXPHC



Part Number - D - L - P - B - E - (GDC, CC)
SFSHT - D2.5 - L20 - P2.0 - B5.0 - GDC
⚠ Combination of GDC and CC is not available. ⚠ Alterations are not applicable to L Selectable Type.

Alterations Code	Insertion Guide GDC	C Chamfered Size CC
Spec.	 Insertion Guide D -0.01 -0.03 ⚠ Applicable when D≥2.1 and L≥5.0 for L Configurable Type. ⚠ Applicable when D≥2.01 and L≥5.0 for L Configurable and Tolerance Selectable Type.	 D dimension C chamfering 0.1 is changed to 0.3. C0.3 ⚠ D≥1.5 is applicable to L Configurable Type. ⚠ D≥1.50 is applicable to L Configurable and Tolerance Type.