

# Small Diameter Locating Pin Straight

■ **Features:** Locating pins with  $\phi 3$  or less pin diameter. Selectable from 4 types of tip shape.

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 Equivalent	Treated Hardness: 50 - 58HRC	SFKT	SPKT	SXKT	SFST	SPST	STST	SXST	SFFT	SPPT	STPT	SXPT	SFST	SPST	STST	SXST	SFFT	SPPT	STPT	SXPT
*SUS304	-	SFKS	SPKS	SXKS	SFSS	SPSS	STSS	SXSS	SFPS	SPPS	STPS	SXFPS	SFSS	SPSS	STSS	SXSS	SFPS	SPPS	STPS	SXFPS
SUS440C or 130 stainless	Treated Hardness: 50 - 55HRC	-	-	-	SFSXC	SPSXC	STSXC	SXSXC	SFPXC	SPPXC	STPXC	SXPXC	SFSXC	SPSXC	STSXC	SXSXC	SFPXC	SPPXC	STPXC	SXPXC
SUS304 (SR Parts Polished)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SUS304 (SR Parts Polished)	Treated Hardness: 40 - 52HRC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

Tip Shape Selectable: Flat, Taper R, Sphere, Tapered.

RoHS 10

⚠ SUS304 may not be polished.

L Selectable					L Configurable							
Part Number	D	d dim. Tolerance	L Selection	E	Part Number	D 0.1mm Increment	d dim. Tolerance	L 0.5mm Increment	E 0.5mm Increment	R		
Flat	1	0 -0.005	3 4 5 6 10	0.5	Flat	1.0-2.0	0 -0.005	3.0-30.0	0.5-2.5	0.2		
Sphere	1.5		5 6 8		Sphere	2.1-3.0						0.4
Tapered	2		5 6 8 10 12 15		Taper R							
SFKT	3		5 6 8 10 12 15		SFST							
SPKT					SPSS							
SXKT					SXST							
SFKS					SFSS							
SPKS					SPSS							
SXKS					SXST							

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

L Configurable and Tolerance Selectable						
Part Number	Type	D Tolerance	D 0.01mm Increment	L 0.1mm Increment	E 0.5mm Increment	R
Flat	SFFPT	P +0.005 0	0.50-1.00	3.0-30.0	0.5-2.5	-
Sphere	SPPT	Q $\pm$ 0.002	1.01-2.00	3.0-30.0		0.2
Taper R	STPT	R 0 -0.005	2.01-3.00			0.4
Tapered	SXFPT	H 0 -0.01				
SFPST						
SFSS						
SFSSXC						
SFPXC						
SPPXC						
STPXC						
SXPXC						

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

Ordering Example

■ **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)  
SXFPT P - D2.82 - L5.0 - E2.5 (Tapered)

Alterations  
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.

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

D	Unit Price													
	Flat			Sphere				Taper R Type			Tapered			
1.0-2.0	SFST	SFSS	SFSSXC	SPST	SPSS	SPSXC	SPSSG	SPSDG	STST	STSS	STSXC	SXST	SXSS	SXSXC
2.1-3.0														

D	Unit Price													
	Flat			Sphere				Taper R Type			Tapered			
0.50-1.00	SFFPT	SFPST	SFPXC	SPPT	SPPS	SPPXC	STPT	STPS	STPXC	SXFPT	SXFPS	SXFPC		
1.01-2.00														
2.01-3.00														

# Small Diameter Locating Pin Small Head

■ **Small Head / Press Fit**

Material	Hardness	Type														
		L Selectable			L Configurable				L Configurable and Tolerance Selectable							
		Sphere	Flat	Tapered	Sphere	Taper R	Tapered	Flat	Sphere	Taper R	Tapered					
SUS304 Equivalent	50-58HRC	SPKHT	SFKHT	SXKHT	SFHT	SPHT	STHT	SXHT	SFHT	SPHT	STHT	SXHT	SFHT	SPHT	STHT	SXHT
SUS304	-	SPKHS	SFKHS	SXKHS	SFHS	SPHS	STHS	SXHS	SFHS	SPHS	STHS	SXHS	SFHS	SPHS	STHS	SXHS
SUS440C or 130 stainless	50-55HRC	-	-	-	SFHC	SPHC	STHC	SXHC	SFHC	SPHC	STHC	SXHC	SFHC	SPHC	STHC	SXHC
SUS304 (SR Parts Polished)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SUS304 (SR Parts Polished)	Treated Hardness: 40-52HRC	-	-	-	SFSDG	SPSDG	STSDG	SXSDG	-	-	-	-	-	-	-	-
SUS304 (SR Parts Polished)	-	-	-	-	SFSDG	SPSDG	STSDG	SXSDG	-	-	-	-	-	-	-	-

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

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

L Selectable						L Configurable									
Part Number	D	D dim. Tolerance	L Selection	P	P Dim. Tolerance	B	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
SPKHT	2	0	3 5 10	0.95	0	2	SFHT	1.0-2.0	0	3.0-20.0	0.9-1.9 (D>P)	0	1.5-10.0 (B-P/2 $\geq$ 1.0)	0.5-2.5	0.2
SPKHS	3	-0.005	3 8 10	1.95	-0.01	4	SFHS	2.1-3.0	-0.005		1.9-2.9 (D>P)	-0.01			0.4

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

L Configurable and Tolerance Selectable											
Part Number	Type	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	SFHT	P +0.005 0	P +0.005 0	0.51-1.00	3.0-20.0	0.50-0.99 (D>P)	1.5-5.0 (B-P/2 $\geq$ 1.0)	0.5-2.5	-		
Sphere	SPHT	Q $\pm$ 0.002	Q $\pm$ 0.002	1.01-2.00		0.50-1.99 (D>P)	1.5-10.0 (B-P/2 $\geq$ 1.0)		0.2		
Taper R	STHT	R 0 -0.005	R 0 -0.005	2.01-3.00		1.00-2.99 (D>P)			0.4		
Tapered	SXHT	H 0 -0.01	H 0 -0.01								
SFHS											
SFHSXC											
SFPHT											
SPPHT											
STPHT											
SXPHT											

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

Ordering Example

■ **L Selectable**  
Part Number - D - L  
SPKHT - D2 - L5

■ **L Configurable**  
Part Number - D - L - P - B - E  
SPHS - D1.5 - L10.0 - P0.9 - B1.5 - E1.0 (Sphere)  
SXHS - D1.5 - L10.0 - P1.2 - B2.0 - E1.0 (Tapered)

■ **L Configurable and Tolerance Selectable**  
Part Number - D - L - P - B - E  
SPPHT Q R - D1.50 - L10.1 - P0.95 - B5.3 (Sphere)  
SXPHT P P - D1.50 - L10.0 - P1.20 - B3.0 - E1.0 (Tapered)

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

Code	Insertion Guide		C Chamfered Size	
	GDC	CC	GDC	CC
Spec.	Adds the insertion guide. Ordering Code GDC Insertion Guide D -0.01 -0.03	D dimension C chamfering 0.1 is changed to 0.3. Ordering Code CC	Adds the insertion guide. Ordering Code GDC Insertion Guide D -0.01 -0.03	D dimension C chamfering 0.1 is changed to 0.3. Ordering Code CC

⚠ Applicable when D $\geq$ 2.1 and L $\geq$ 5.0 for L Configurable Type.  
⚠ Applicable when D $\geq$ 2.01 and L $\geq$ 5.0 for L Configurable and Tolerance Selectable Type.

⚠ D $\geq$ 1.5 is applicable to L Configurable Type.  
⚠ D $\geq$ 1.50 is applicable to L Configurable and Tolerance Type.

D	Unit Price													
	Flat			Sphere				Taper R Type			Tapered			
1.0-2.0	SFHT	SFHS	SFHC	SPHT	SPHS	SPHSG	SPHDG	SPHC	STHT	STHS	STHC	SXHT	SXHS	SXHC
2.1-3.0														

D	Unit Price													
	Flat			Sphere				Taper R Type			Tapered			
0.51-1.00	SFFHT	SFPHT	SFPHT	SPHT	SPPHT	STPHT	STPHT	STPHT	SXPHT	SXPHT	SXPHT	SXPHT	SXPHT	SXPHT
1.01-2.00														
2.01-3.00														