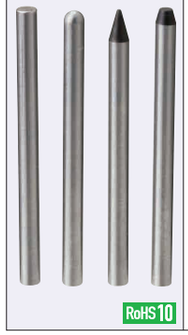
Small Diameter Locating Pin
Straight

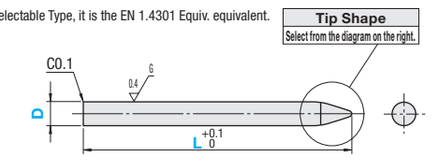
Features: Locating pins with Ø3 or less pin diameter. Selectable from 4 types of tip shape.



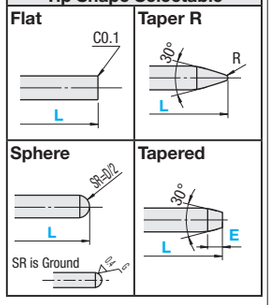
Material	Hardness	Type											
		L Selectable			L Configurable				L Configurable and Tolerance Selectable			
		Flat	Sphere	Tapered	Flat	Sphere	Taper R	Tapered	Flat	Sphere	Taper R	Tapered
SK95 (ISO-TC90 Equiv.)	Treated Hardness: 50 ~ 58HRC	SFKT	SPKT	SXKT	SFST	SPST	STST	SXST	SFFPT	SPPT	STPT	SXFPT
*EN 1.4301 Equiv.	-	SFKS	SPKS	SXKS	SFSS	SPSS	STSS	SXSS	SFPS	SPPS	STPS	SXFPS
EN 1.4037 Equiv.	Treated Hardness: 50 ~ 55HRC	-	-	-	SFSXC	SPSXC	STSXC	SXSXC	SFPXC	SPPXC	STPXC	SXFPXC
EN 1.4301 Equiv. (SR Parts Polished)	-	-	-	-	-	SPSSG	-	-	-	-	-	-
EN 1.2344 Equiv. (SR Parts Polished)	Treated Hardness: 40 ~ 52HRC	-	-	-	-	SPSDG	-	-	-	-	-	-

* For L Selectable Type, it is the EN 1.4301 Equiv. equivalent.

Tip Shape
Select from the diagram on the right.



Tip Shape Selectable



EN 1.4301 Equiv. may not be polished.

L Selectable

Part Number	D	d dim. Tolerance	L Selection	E
Flat: SFKT / Sphere: SPKT / Tapered: SXKT	1	0 -0.005	3 4 5 6 10	0.5
Flat: SFKS / Sphere: SPKS / Tapered: SXKS	1.5		5 6 8	
	2		5 6 8 10 12 15	
	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: SFST, SFSS, SFSXC / Sphere: SPST, SPSS, SPSXC, SPSSG, SPSDG / Taper R: STST, STSS, STSXC / Tapered: SXST, SXSS, SXSXC	1.0~2.0	0 -0.005	3.0~30.0	0.5~2.5	0.2
	2.1~3.0				0.4

For Taper R, L-1≥(Dx1.85)-(Rx2.75) For Tapered, L≥E+1 D≥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 / Sphere: SPPT / Taper R: STPT / Tapered: SXFPT	P +0.005 0	0.50~1.00	3.0~30.0	0.5~2.5	-
Flat: SFPS / Sphere: SPPS / Taper R: STPS / Tapered: SXFPS	Q ±0.002	1.01~2.00			0.2
Flat: SFPXC / Sphere: SPPXC / Taper R: STPXC / Tapered: SXFPXC	R 0 -0.005	2.01~3.00			0.4
	H 0 -0.01				

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

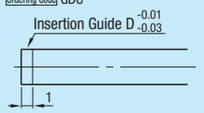
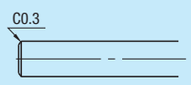
Ordering Example

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: Type / D Tol. - D - L - E
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.

Alterations	Insertion Guide	C Chamfered Size
Code	GDC	CC
Spec.	Adds the insertion guide. Ordering Code GDC  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. Ordering Code CC  D≥1.5 is applicable to L Configurable Type. D≥1.50 is applicable to L Configurable and Tolerance Type.

L Selectable

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

L Configurable

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

L Configurable and Tolerance Selectable

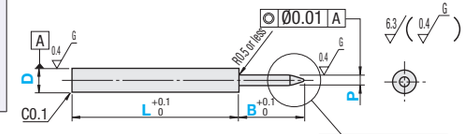
D	Unit Price: Flat SFFPT	Flat SFPS	Flat SFPXC	Sphere SPPT	Sphere SPPS	Sphere SPPXC	Taper R Type STPT	Taper R Type STPS	Taper R Type STPXC	Tapered SXFPT	Tapered SXFPS	Tapered SXFPXC
0.50~1.00			-			-	-	-	-	-	-	-
1.01~2.00												
2.01~3.00												

Small Diameter Locating Pin
Small Head

Small Head / Press Fit

Material	Hardness	Type									
		L Selectable	L Configurable				L Configurable and Tolerance Selectable				
		Sphere	Flat	Sphere	Taper R	Tapered	Flat	Sphere	Taper R	Tapered	
SK95 (ISO-TC90 Equiv.)	50~58HRC	SPKHT	SFSHT	SPSHT	STSHT	SXSHT	SFPHT	SPPHT	STPHT	SXPHT	
EN 1.4301 Equiv.	-	SPKHS	SFSHS	SPSHS	STSHS	SXSHS	SFPHS	SPPHS	STPHS	SXPHS	
EN 1.4037 Equiv.	50~55HRC	-	SFSHC	SPSHC	STSHC	SXSHC	SFPHC	SPPHC	STPHC	SXPHC	
EN 1.2344 Equiv. (SR Parts Polished)	40~52HRC	-	-	SPSHDG	-	-	-	-	-	-	
EN 1.4301 Equiv. (SR Parts Polished)	-	-	-	SPSHSG	-	-	-	-	-	-	

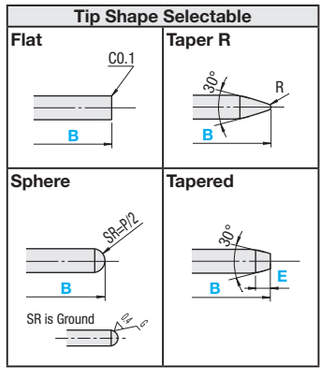
Material code SG and DG are applicable to L Configurable Type of Sphere only.
L Selectable Type is applicable to Sphere only.



Chamfering of mounting portion and change of tolerance are available as alterations.
EN 1.4301 Equiv. may not be polished.

Tip Shape
Select from the diagram on the right.

Tip Shape Selectable



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: SFSHT, SFSHS, SFSHC / Sphere: SPSHT, SPSHS, SPSHC, SPSHDG, SPSHSG / Taper R: STSHT, STSHS, STSHC / Tapered: SXSHT, SXSHS, SXSHC	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
	2.1~3.0			1.9~2.9 (D>P)				0.4

For Taper R Type, B-1≥1.85P-2.75R For Tapered: B≥E+1, P≥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: SFPHT / Sphere: SPPHT / Taper R: STPHT / Tapered: SXPHT	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≥1.0)	0.5~2.5	-
Flat: SFPHS / Sphere: SPPHS / Taper R: STPHS / Tapered: SXPHS	Q ±0.002	Q ±0.002	1.01~2.00		0.50~1.99 (D>P)			0.2
Flat: SFPHC / Sphere: SPPHC / Taper R: STPHC / Tapered: SXPHC	R 0 -0.005	R 0 -0.005	2.01~3.00		1.00~2.99 (D>P)	1.5~10.0 (B-P/2≥1.0)		0.4
	H 0 -0.01	H 0 -0.01						

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

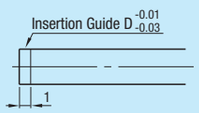
Ordering Example

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)
SXSHT - D1.5 - L10.0 - P1.2 - B2.0 - E1.0 (Tapered)

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

Alterations 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	Insertion Guide	C Chamfered Size
Code	GDC	CC
Spec.	Adds the insertion guide. Ordering Code GDC  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. Ordering Code CC D≥1.5 is applicable to L Configurable Type. D≥1.50 is applicable to L Configurable and Tolerance Type.

L Selectable

D	Unit Price: Sphere SPKHT	Sphere SPKHS
2		
3		

L Configurable

D	Unit Price: Flat SFSHT	Flat SFSHS	Flat SFSHC	Sphere SPSHT	Sphere SPSHS	Sphere SPSHSG	Sphere SPSHDG	Sphere SPSHC	Taper R Type STSHT	Taper R Type STSHS	Taper R Type STSHC	Tapered SXSHT	Tapered SXSHS	Tapered SXSHC
1.0~2.0														
2.1~3.0														

L Configurable and Tolerance Selectable

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