

Height Adjusting Pins

Press Fit, Counterbored

■ Features: Locating Pins for the height direction. Press Fit and Counterbored. O.D. and Height Configurable.

■ Press Fit

Material	Surface Treatment	Hardness	Type			
			L Configurable		D and L Configurable	
			d dim. Tolerance p6	d dim. Tolerance m6	d dim. Tolerance p6	d dim. Tolerance m6
SKS3 Equivalent	-	Treated Hardness: 60 ~ 63HRC	JPAT	JPAM	JPATF	JPAMF
SKS3 Equivalent	Black Oxide	Treated Hardness: 60 ~ 63HRC	BJPAT	BJPAM	BJPATF	BJPAMF
SKS3 Equivalent	Hard Chrome Plating	Treated Hardness: 50 ~ 55HRC Plating Hardness: 750HV ~	HJPAT	HJPAM	HJPATF	HJPAMF
SUS304	-	-	SJPAT	SJPAM	SJPATF	SJPAMF
SUS40C or 13Cr stainless	-	Treated Hardness: 50 ~ 55HRC	CJPAT	CJPAM	CJPATF	CJPAMF

RoHS 10

■ L Configurable

Part Number		L 0.01mm Increment	D	ℓ	Unit Price				
Type	d dim. Tolerance m6				JPAT	BJPAT	HJPAT	SJPAT	CJPAT
JPAT	3	2.00-10.00	6	5					
BJPAT	4		8	6					
HJPAT	5		10	8					
SJPAT	6		12	8					
CJPAT	8	5.00-30.00	16	10					
	10		18	12					
	12	10.00-50.00	20	15					

Example: Workpiece

■ D and L Configurable

Part Number		L 0.01mm Increment	D 1mm Increment	ℓ	Unit Price				
Type	d dim. Tolerance p6				JPATF	BJPATF	HJPATF	SJPATF	CJPATF
JPATF	3	2.00-10.00	5-30 (d<D<5d)	5					
BJPATF	4			6					
HJPATF	5			8					
SJPATF	6	5.00-30.00		10					
CJPATF	8			12					
	10	10.00-50.00		15					

■ Counterbored

Material	Surface Treatment	Hardness	Type	
			L Configurable	D and L Configurable
			SKS3 Equivalent	-
SKS3 Equivalent	Black Oxide	Treated Hardness: 60 ~ 63HRC	BJPHU	BJPHUZ
SKS3 Equivalent	Hard Chrome Plating	Treated Hardness: 50 ~ 55HRC Plating Hardness: 750HV ~	HJPHU	HJPHUZ
SUS304	-	-	SJPHU	SJPHUZ
SUS40C or 13Cr stainless	-	Treated Hardness: 50 ~ 55HRC	CJPHU	CJPHUZ

RoHS 10

■ L Configurable

Part Number		L 0.01mm Increment	D	d1	d2	H	Applicable Screw	Unit Price				
Type	No.							JPHU	BJPHU	HJPHU	SJPHU	CJPHU
JPHU	3	6.00-15.00	12	3.5	6.5	4	M3					
BJPHU	4	7.00-20.00	13	4.5	8	5	M4					
HJPHU	5	8.00-20.00	15	5.5	9.5	6	M5					
SJPHU	6	9.00-25.00	20	6.5	11	7	M6					
CJPHU	8	11.00-30.00	30	9	14	9	M8					

■ D and L Configurable

Part Number		L 0.01mm Increment	D 1mm Increment	d1	d2	H	Applicable Screw	Unit Price				
Type	No.							JPHUZ	BJPHUZ	HJPHUZ	SJPHUZ	CJPHUZ
JPHUZ	3	6.00-15.00	10-15	3.5	6.5	4	M3					
BJPHUZ	4	7.00-20.00	12-20	4.5	8	5	M4					
HJPHUZ	5	8.00-20.00	15-20	5.5	9.5	6	M5					
SJPHUZ	6	9.00-25.00	15-25	6.5	11	7	M6					
CJPHUZ	8	11.00-30.00	18-30	9	14	9	M8					

Ordering Example: Part Number - L - D

JPAT8 - 15.00 (Press Fit, L Configurable)
 JPHU3 - 10.00 (Counterbored, L Configurable)

Part Number - L - D

JPATF8 - 15.00 - 12 (Press Fit, D and L Configurable)
 JPHUZ5 - 10.00 - 20 (Counterbore, D and L Configurable)

Height Adjusting Pins

Flat, Tip Set Screw

■ Features: With Wrench Flats. Locating is possible by attaching a pin on the tip or by Flat Tip adjustment.

Material	Surface Treatment	Hardness	Flat			Tip Set Screw Type	
			Threaded	Tapped	Threaded with Pilot	Threaded	Tapped
			① SKS3 STPB8 SKS3 Equivalent (STPAR) (STPBR) (STPBR)	Black Oxide	-	STPAB	STPBB
② SKS3 STPA8 SKS3 Equivalent (STPAR) (STPBR)	Hard Chrome Plating	Plating Hardness: 750HV ~	STPAR	STPBR	STPDR	-	-
③ SKS3 STPAHB SKS3 Equivalent (STPAR) (STPBR)	Black Oxide	Treated Hardness: 45 ~ 50HRC	STPAHB	STPBHB	STPDHB	-	-
④ SKS3 STPAHR SKS3 Equivalent (STPAR) (STPBR)	Hard Chrome Plating	Treated Hardness: 45 ~ 50HRC / Plating Hardness: 750HV ~	STPAHR	STPBHR	STPDHR	-	-
⑤ SUS304	-	-	STPASU	STPBSU	STPDSU	-	SPFBSU
⑥ SUS40C or 13Cr stainless	-	Treated Hardness: 50 ~ 55HRC	STPAC	STPBC	STPDC	-	-

■ Flat

- Threaded
- Tapped
- Threaded with Pilot

■ Tip Set Screw

- Threaded
- Tapped

◆ Tapped, Threaded Recommended Tightening Torque (Reference)

M (Coarse)	Tightening Torque N·cm
M3	98
M4	225
M5	461
M6	784
M8	1911
M10	3783
M12	6605
M16	16366
M20	32928

* When D8, L dimension 15 or less is M x 1.2.

⚠ The dispersion of L dimension should be within 0.02 for same orders.
 ⚠ SUS304 may not be polished.

■ Flat

Part Number		L 0.01mm Increment	D	M (Coarse)	d	Ms (Coarse)	F	W	ℓ
Type	Pilot								
Threaded STPAB STPAR STPAHB STPAHR STPASU STPAC	Tapped STPBB STPBR STPBHB STPBHR STPBSU STPBC	10.00-50.00	6	M3	3	M3	1.5	5	8
			8	M5	2	7			
			10	M6	3	8			
Threaded STPAB STPAR STPAHB STPAHR STPASU STPAC	Tapped STPBB STPBR STPBHB STPBHR STPBSU STPBC	20.00-80.00	12	M8	4	M8	4	10	10
			15	M10	5	13			
			20	M12	7	17			
			25	M16	12	24			
		30	M20	18	28	17			

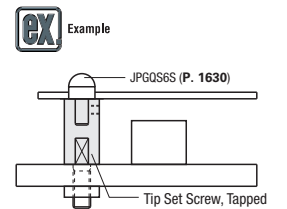
■ Tip Set Screw

Part Number		L 0.01mm Increment	P Selection	B 0.5mm Increment	d	F	M1 (Coarse)	W	ℓ	A	M2 (Coarse)	N (Coarse)	Unit Price Tip Set Screw				
Type	No.												①	⑤	①	⑤	
Threaded SPFAB	Tapped SPFBSU	12	20.00 (30.00)-80.00	6	4.0-6.0	8	4	M8	10	10	10	M5	M3	SPFAB	SPFASU	SPFBB	SPFBSU
		15	20.00 (40.00)-80.00	8	5.0-10.0	10	5	M10	13	10	15	M8	M4	-	-	-	-
		20	25.00 (45.00)-80.00	10	5.0-15.0	12	5	M12	17	10	20	M8	M4	-	-	-	-
		25	30.00 (50.00)-80.00	12	5.0-19.0	16	5	M16	20	12	24	M10	M4	-	-	-	-
		30	35.00 (65.00)-80.00	16	5.0-23.0	20	6	M20	24	18	28	M16	M4	-	-	-	-

⚠ L dimension in () is applicable to Tapped.

Ordering Example: Part Number - L - P - B

STPAB10 - L20.03 (Flat)
 SPFAB12 - L20.01 - P6 - B5 (Tip Set Screw)



D	Unit Price Threaded						Unit Price Tapped						Unit Price Threaded with Pilot					
	①	②	③	④	⑤	⑥	①	②	③	④	⑤	⑥	①	②	③	④	⑤	⑥
6																		
8																		
10																		
12																		
15																		
20																		