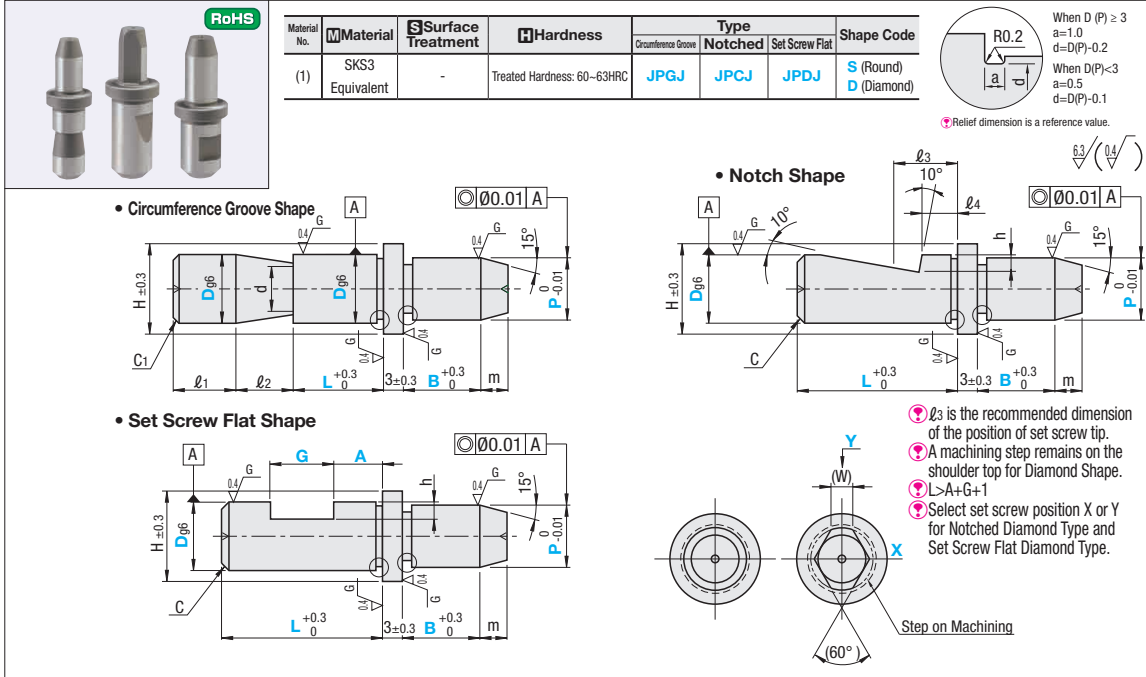


Locating Pins - Shouldered

Set Screw

For products uncovered by e-Catalog Standard, see P.131.

Features: Shouldered Set Screw Type. Selectable from Circumference Groove, Notched and Set Screw Flat Shapes.



Circumference Groove Shape

Type	Part Number	Shape Code	D	D dim. Tolerance g6	P 0.01mm Increment	L 1mm Increment	B 0.1mm Increment	d	L ₁	L ₂	C ₁	m	H	(W)	
														When D<P	When D≥P
JPGJ	S (Round) D (Diamond)	6	-0.004	-0.012	2.00~6.00	3~12	2.0~20.0	4.5	5	5	1	3	8	3	1.5
		6S	-0.004	-0.012	2.00~6.00	3~12	2.0~20.0	4.5	5	5	1	3	8	3	1.5
		8	-0.005	-0.014	3.00~8.00	4~16	3.0~20.0	6.5	6	6	1.5	4	11	3.5	1.8
		8S	-0.005	-0.014	3.00~8.00	4~16	3.0~20.0	6.5	6	6	1.5	4	11	3.5	1.8
		10	-0.006	-0.017	5.00~12.00	6~24	3.0~25.0	10	8	8	2	5	15	5	2.5
		10S	-0.006	-0.017	5.00~12.00	6~24	3.0~25.0	10	8	8	2	5	15	5	2.5
		12	-0.006	-0.017	5.00~12.00	6~24	3.0~25.0	10	8	8	2	5	15	5	2.5
		12S	-0.006	-0.017	5.00~12.00	6~24	3.0~25.0	10	8	8	2	5	15	5	2.5
		16	-0.007	-0.020	10.00~16.00	8~32	5.0~25.0	14	8	8	3	5	19	7	4
		16S	-0.007	-0.020	10.00~16.00	8~32	5.0~25.0	14	8	8	3	5	19	7	4
		20	-0.007	-0.020	13.00~20.00	10~40	5.0~25.0	18	8	8	3	5	23	9	5

Pins having "S" inserted after the D dimension are of space-saving type with mounting parts (L and L₁) shortened. (Actual D dimension is the number without "S".)

Notch Shape, Set Screw Flat Shape

Type	Part Number	Shape Code	D	D dim. Tolerance g6	P 0.01mm Increment	L 1mm Increment	B 0.1mm Increment	G 1mm Increment	A 0.1mm Increment	Flat Position	L ₃	L ₄	h	c	m	H	Applicable Set Screw	Tightening Torque N·cm	(W)	
																			When D<P	When D≥P
(Notched) JPCJ (Set Screw Flat) JPDJ	S (Round) D (Diamond)	6	-0.004	-0.012	5.00~7.00	12~20	5.0~20.0	3~9	2.0~12.0	X	5.5	2.5	1	1	3	8	M4	333	3	1.5
		8	-0.005	-0.014	5.00~9.00	14~22	5.0~30.0(15.0)	3~9	2.0~12.0	Y	7.5	3.5	1.2	1.5	4	11	M5	676	3.5	1.8
		10	-0.006	-0.017	5.00~12.00	15~25	5.0~30.0(25.0)	3~9	2.0~16.0	Y	10.5	5.5	2	2	5	13	M6	1156	4	2.2
		12	-0.006	-0.017	5.00~12.00	15~25	5.0~30.0(25.0)	3~9	2.0~20.0	Y	13.5	8.5	2	3	5	15	M8	2803	5	2.5
		16	-0.007	-0.020	10.00~16.00	24~35	5.0~50.0(30.0)	3~9	2.0~28.0	Y	18	10	3	5	5	19			7	4
		20	-0.007	-0.020	13.00~20.00	27~40	5.0~50.0(30.0)	3~9	2.0~36.0	Y	23	13	3	5	5	23			9	5

B dimension in () is applicable to Diamond Shape. Applicable set screws in the table are the recommended sizes for Notch Shape.

*Tightening torque (reference) will be within Strength Class of Tightening Torque (10.9) on Technical Data in P.2365. Not applicable when using locking materials or lock washers.

Ordering Example

Part Number	-	P	-	L	-	B	-	G	-	A	-	Flat Position
JPGJS10	-	P9.05	-	L6	-	B3.5	-	G5	-	A8.2	-	X
JPCJD8	-	P5.05	-	L20	-	B10.1	-	G5	-	A8.2	-	X

Circumference Groove Shape

D	Unit Price Round Shape (1)Treated SKS3 JPGJS	Unit Price Diamond Shape (1)Treated SKS3 JPGJD
6		
6S		
8		
8S		
10		
10S		
12		
12S		
16		
16S		
20		

Notch Shape

D	Unit Price Round Shape (1)Treated SKS3 JPCJS	Unit Price Diamond Shape (1)Treated SKS3 JPCJD
6		
8		
10		
12		
16		
20		

Set Screw Flat Shape

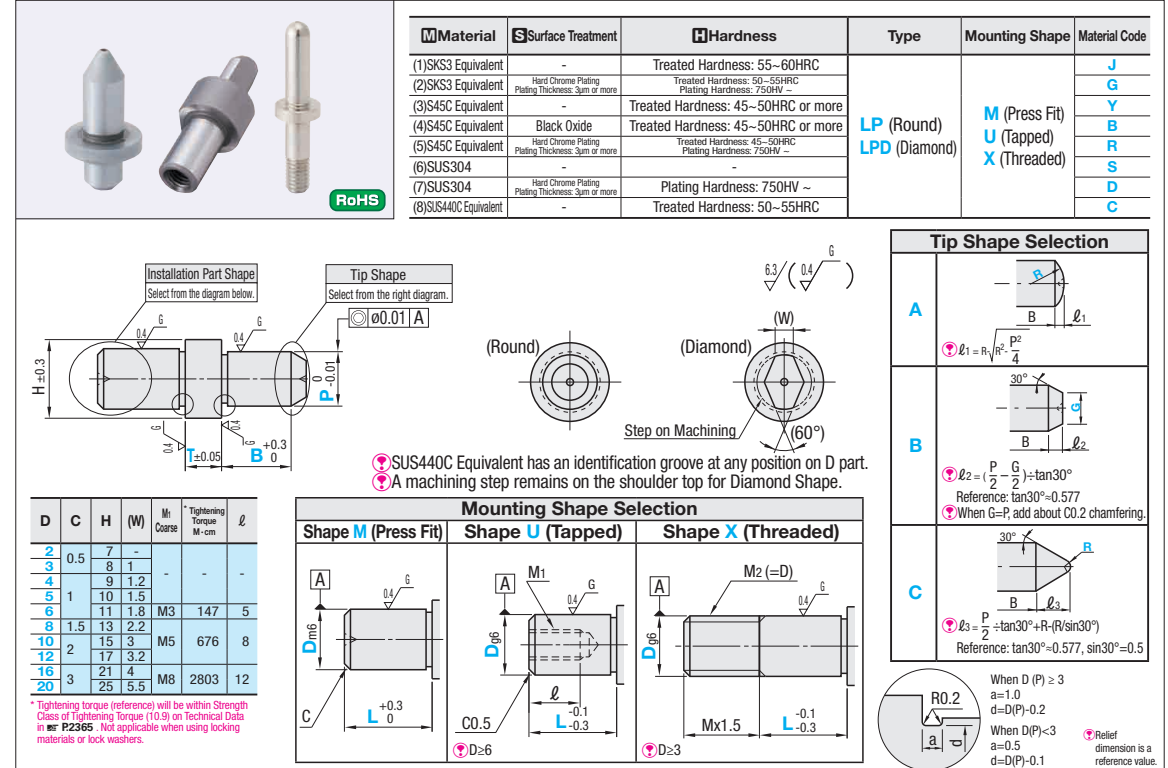
D	Unit Price Round Shape (1)Treated SKS3 JPDJS	Unit Price Diamond Shape (1)Treated SKS3 JPDJD
6		
8		
10		
12		
16		
20		

Locating Pins - Shouldered

Tip Shape Selectable

For products uncovered by e-Catalog Standard, see P.131.

Features: The tip shape and the fixed shape of the Shouldered type are selectable from three types respectively.



Type	Part Number	Mounting Shape	Material Code	Tip Shape	D	P 0.01mm Increment	B 0.1mm Increment	R 1mm Increment A Shape, C Shape only	G 1mm Increment B Shape only	L 1mm Increment	T 0.5mm Increment
LP (Round) LPD (Diamond) Applicable when D≥3	M (Press Fit) U (Tapped) X (Threaded) D≥5 D≥3	J G Y B R S D C	A B C	A B C	2	2.50~4.00	1.5~25.0			2~6	
					3	3.50~6.00	2.0~25.0(10.0)			3~8(6)	
					4	3.50~7.00	2.0~25.0(10.0)			3~10(8)	
					5	4.00~8.00	2.0~30.0(12.0)			5~15(10)	
					6	5.00~10.00	2.0~40.0(12.0)			6~10~15(12)	
					8	6.00~11.00	2.0~40.0(15.0)			8~14~16	
					10	8.00~13.00	3.0~50.0(20.0)			10~14~20	
					12	10.00~15.00	3.0~50.0(20.0)			12~14~24	
					16	13.00~18.00	5.0~50.0(20.0)			16~32	
					20	16.00~22.00	5.0~50.0(20.0)			20~40	

B dimensions in () and L dimensions in () are for Diamond Shape.

Ordering Example

Part Number	-	P	-	B	-	R	-	G	-	L	-	T
LP U J B 8 -	P10.00	-	B10.0	-	G8	-	L14	-	T2.0			
LPD X J A 10 -	P11.98	-	B5.0	-	R10	-	L10	-	T5.0			

D	Round Shape and Mounting Shape M Unit Price								Diamond Shape and Mounting Shape M Unit Price							
	(1)Treated SKS3 LPMJ	(2)Hard SKS3 LPMG	(3)S45C LPMY	(4)S45C Black Oxide LPMB	(5)Hard S45C LPMR	(6)SUS304 LPMs	(7)Hard SUS304 LPMd	(8)SUS440C LPMC	(1)Treated SKS3 LPDMJ	(2)Hard SKS3 LPDMG	(3)S45C LPDMY	(4)S45C Black Oxide LPDMB	(5)Hard S45C LPDMR	(6)SUS304 LPDMs	(7)Hard SUS304 LPDMd	(8)SUS440C LPDMC
2																
3																
4																
5																
6																
8																
10																
12																
16																
20																

Alterations

Part Number	-	P	-	B	-	R	-	G	-	L	-	T	-	(HC, LAC, LTE)
LPMJA6	-	P10.00	-	B10.0	-	R6	-	G6	-	L6	-	T3.0	-	LAC

Alterations	Wrench Flats Alteration			Wrench Hole (Ø3.5)		Wrench Hole (Ø2.5)	
Code	HC			LAC		LTE	
Spec.	HC = 0.5mm Increment HC>DHC>P Ordering Code: HC10.0			Adds a Ø3.5 hole. Applicable when B≥10 and P≥8. Not applicable to Diamond Shape.		Adds a Ø2.5 hole. Applicable when B≥8 and P≥15. Not applicable to Diamond Shape.	