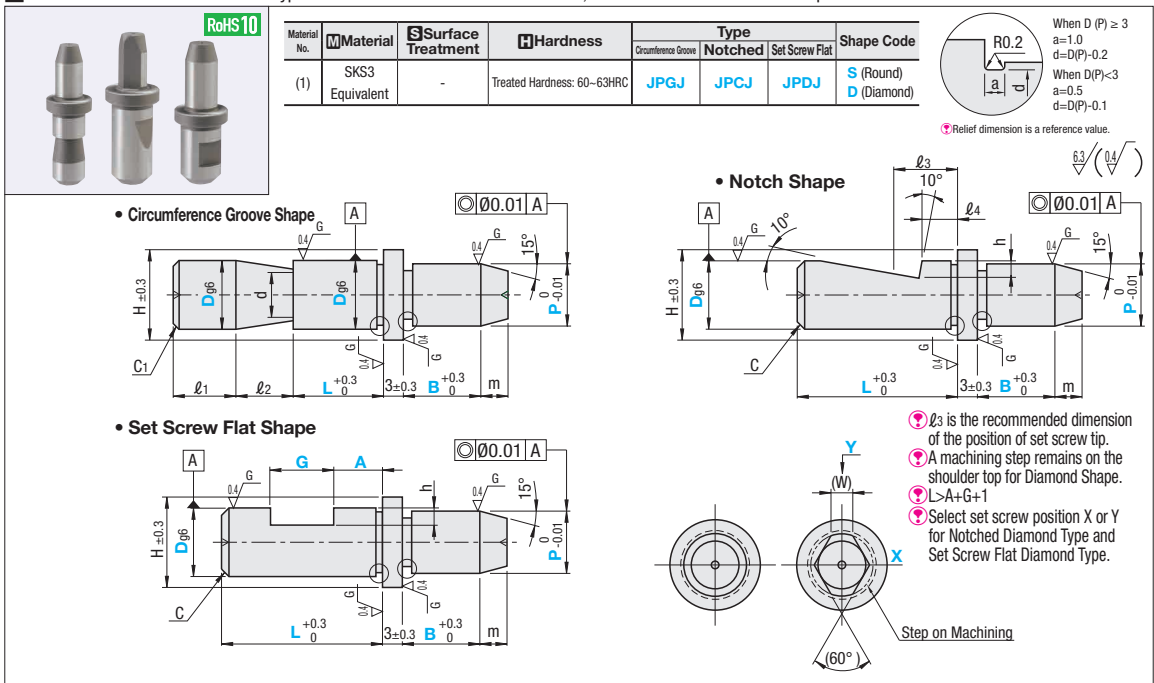


Locating Pins - Shouldered

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	L	B	d	ℓ1	ℓ2	C1	m	H	(W)	
														When D<P	When D≥P
JPGJ	S (Round)	6	-0.004		2.00~6.00	3~12		4.5	5	5	1	3	8	3	1.5
		6S	-0.012			2~12			2		0.5				
		8	-0.005		3.00~8.00	4~16		6.5	6	6	1.5		11	3.5	1.8
		8S	-0.014			3~16			3		0.5				
		10	-0.006		5.00~12.00	6~24		8	8		2	4	13	4	2.2
		10S	-0.017			4~20			3		0.5				
		12	-0.006		5.00~12.00	6~24		10	8		2		15	5	2.5
		12S	-0.017			5~24			4		0.5				
		16	-0.017		10.00~16.00	8~32		14	8		3	5	19	7	4
		16S	-0.020			7~32			4		0.5				
JPGJ	D (Diamond)	20	-0.020		13.00~20.00	10~40		18	8		3		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	L	B	G	A	Flat Position	ℓ3	ℓ4	h	c	m	H	Applicable Set Screw	Tightening Torque N·cm	(W)	
																			When D<P	When D≥P
(Notched)	JPGJS	6	-0.004		5.00~7.00	12~20	5.0~20.0			X	5.5	2.5	1	1	3	8	M4	333	3	1.5
		8	-0.005		5.00~9.00	14~22	5.0~30.0(15.0)			Y				1.5		11	M5	676	3.5	1.8
		10	-0.014		5.00~12.00	15~25	5.0~30.0(25.0)			Y	7.5	3.5	1.2	2	4	13			4	2.2
		12	-0.006		5.00~12.00	15~25	5.0~30.0(25.0)			Y	10.5	5.5	2	3	5	15	M6	1156	5	2.5
		16	-0.017		10.00~16.00	24~35	5.0~30.0(30.0)			Y	13.5	8.5	2			19			7	4
		20	-0.020		13.00~20.00	27~40	5.0~30.0(30.0)			Y						23	M8	2803	9	5
(Set Screw Flat)	JPDJS	6	-0.004		5.00~7.00	12~20	5.0~20.0			X	5.5	2.5	1	1	3	8	M4	333	3	1.5
		8	-0.005		5.00~9.00	14~22	5.0~30.0(15.0)			Y				1.5		11	M5	676	3.5	1.8
		10	-0.014		5.00~12.00	15~25	5.0~30.0(25.0)			Y	7.5	3.5	1.2	2	4	13			4	2.2
		12	-0.006		5.00~12.00	15~25	5.0~30.0(25.0)			Y	10.5	5.5	2	3	5	15	M6	1156	5	2.5
		16	-0.017		10.00~16.00	24~35	5.0~30.0(30.0)			Y	13.5	8.5	2			19			7	4
		20	-0.020		13.00~20.00	27~40	5.0~30.0(30.0)			Y						23	M8	2803	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.

Part Number	P	L	B	G	A	Flat Position
JPGJS10	P9.05	L6	B3.5			
JPGJS8	P5.05	L20	B10.1	G5	A8.2	X

Circumference Groove Shape

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

Notch Shape

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

Set Screw Flat Shape

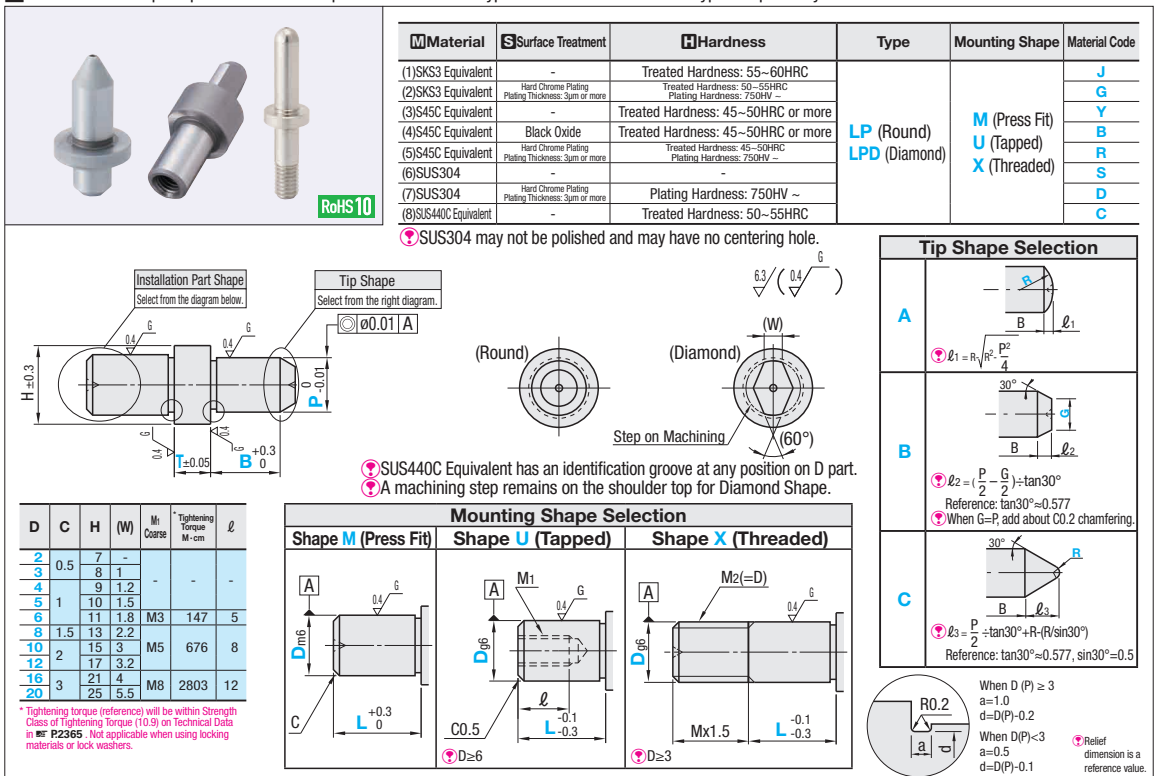
D	Unit Price Round Shape (1)Treated SKS3	Unit Price Diamond Shape (1)Treated SKS3
6		
8		
10		
12		
16		
20		

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.



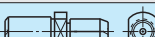
Type	Part Number	Mounting Shape	Material Code	Tip Shape	D	P	B	R	G	L	T
LP (Round)	M (Press Fit)	J	G	A	2	2.50~4.00	1.5~25.0			2~6	
					3	3.50~6.00	2.0~25.0(10.0)			3~8(6)	
					4	3.50~7.00	2.0~25.0(10.0)			3(4)~10(8)	
					5	4.00~8.00	2.0~30.0(10.0)			5~15(10)	
					6	5.00~10.00	2.0~40.0(12.0)			6(10)~15(12)	
					8	6.00~11.00	2.0~40.0(15.0)			8(14)~16	
					10	8.00~13.00	2.0~50.0(20.0)			10(14)~24	
					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	
LPD (Diamond)	U (Tapped)	J	G	B	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(4)~10(8)	
					5	4.00~8.00	2.0~30.0(10.0)			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	2.0~50.0(20.0)			10(14)~24	
					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	
LPD (Diamond)	X (Threaded)	J	G	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(4)~10(8)	
					5	4.00~8.00	2.0~30.0(10.0)			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	2.0~50.0(20.0)			10(14)~24	
					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.

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

D	Round Shape and Mounting Shape M								Diamond Shape and Mounting Shape M							
	(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																

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

Alterations	Wrench Flats Alteration	Wrench Hole (Ø3.5)	Wrench Hole (Ø2.5)
	 HC HC -0.1	 Ø3.5 3	 Ø2.5 3
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 7≤P≤15. Not applicable to Diamond Shape.