

Locating Pins - Small Flat Head

Press Fit

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

Features: Flat Head Type. Suitable if the mating side has limited space.

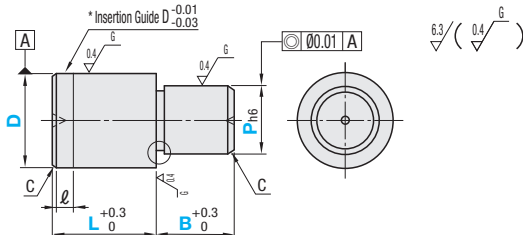


(Alteration CN)

RoHS 10

Material No.	Material	Surface Treatment	Hardness	Type		D
				P Selectable	P, L, B Configurable	
(1)	SKS3 Equivalent	-	Treated Hardness: 60~63HRC	JPDB	FPDS	C (m6) PC (p6)
(2)	SKS3 Equivalent	Hard Chrome Plating Plating Thickness: 3µm or more	Treated Hardness: 50~55HRC Plating Hardness: 750HV ~	-	GFPDS	
(3)	SKS3 Equivalent	-	-	-	BFPDS	
(4)	SUS304*	-	-	SJPDB	SFPDS	
(5)	SUS304	Hard Chrome Plating Plating Thickness: 3µm or more	Plating Hardness: 750HV ~	-	-	
(6)	SUS440C Equivalent	-	Treated Hardness: 50~55HRC	-	CFPDS	

* For P Selectable Type, it is SUS304 equivalent.



* Insertion Guide D: $\begin{matrix} -0.01 \\ -0.03 \end{matrix}$

RoHS 10

When P<3
a=0.5
d=P-0.1

When P≥3
a=1.0
d=P-0.2

Relief dimension is a reference value.

* The insertion guide is applicable to tolerance p6 only.

* SUS440C Equivalent has an identification groove at any position on D part.

* Polished, centering hole is sometimes not available for SUS304.

* When D=P, relief is also applied.

P Selectable

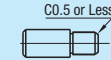
Part Number					P Selection	L	B	ℓ	C	Unit Price	
Type	D Tol.	D	D dim. Tolerance							(1)Treated SKS3 JPDBC JPDBPC	(4)SUS304 SJPDBC SJPDBPC
			m6	p6							
JPDB SJPDB	C (m6) PC (p6)	3	+0.008 +0.002	+0.012 +0.006	2	5	3	1	0.1		
		4			2 3				0.5		
		5	+0.012 +0.004	+0.020 +0.012	2 3 4	8					
		6			3 4 5	10	4				
		8	+0.015 +0.006	+0.024 +0.015	4 5 6	12		2	1		
		10			5 6 7 8	16	5				
		16	+0.018 +0.007	+0.029 +0.018	10 13	22	12		3		

P, L, B Configurable

Part Number				P 0.01mm Increment	L 1mm Increment	B 0.1mm Increment	ℓ	C	Unit Price					
Type	D Tol.	D	D dim. Tolerance						(1) Treated SKS3 FPDSC FPDSC	(2) Hard SKS3 GFPDSC GFPDSC	(3) SKS3 BFPDSC BFPDSC	(4) SUS304 SFPDSC SFPDSC	(6) SUS440C CFPDSC CFPDSC	
			m6											p6
FPDS GFPDS BFPDS SFPDS CFPDS	C (m6) PC (p6)	2	+0.008	+0.012	1.50~2.00	2~5	3.0~10.0	0	0.1					
		3	+0.002	+0.006	1.50~3.00	3~10	3.0~10.0							
		4			1.50~4.00	4~10	4.0~10.0							
		5	+0.012	+0.020	2.00~5.00	5~10	4.0~15.0	1	0.5					
		6	+0.004	+0.012	2.00~6.00	5~17	4.0~15.0							
		8	+0.015	+0.024	3.00~8.00	8~21	6.0~20.0							
		10	+0.006	+0.015	3.00~10.00	10~23	6.0~20.0	2	1					
		12			5.00~12.00	12~24	6.0~30.0							
		13	+0.018	+0.029	6.00~13.00	13~26	6.0~30.0							
		16	+0.007	+0.018	10.00~16.00	16~32	7.0~30.0							
		20	+0.021	+0.035	13.00~20.00	20~40	7.0~30.0							

Ordering Example: Part Number JPDBC4 - 2 - P - L - B - FPDS4 - P2.01 - L6 - B5.5

Alterations: Part Number FPDS4 - P2.00 - L6 - B5.5 - RC

Alterations	Sphere Tip	C Chamfered Size
		
	RC	CN
Code	Changes the relief to R0.5 (Ordering Code) RC Applicable when D-P≥2.	Changes C Chamfering at P dimension part to 0.5 or less. (Ordering Code) CN Not applicable to D dimension part. Applicable when D≥8.
Spec.		

Locating Pins - Small Flat Head

Tapped

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

Features: Small Flat Head with the shape designed to be mounted from back using bolts. Improved maintainability compared to Press Fit Type.

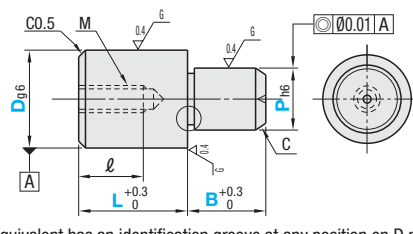


(Alteration CN)

RoHS 10

Material No.	Material	Surface Treatment	Hardness	Type		D
				P Selectable	P, L, B Configurable	
(1)	SKS3 Equivalent	-	Treated Hardness: 60~63HRC	JPDBTB	FPDSTC	C (m6) PC (p6)
(2)	SKS3 Equivalent	Hard Chrome Plating Plating Thickness: 3µm or more	Treated Hardness: 50~55HRC Plating Hardness: 750HV ~	-	GFPDSTC	
(4)	SUS304*	-	-	SJPDBTB	SFPDSTC	
(6)	SUS440C Equivalent	-	Treated Hardness: 50~55HRC	-	CFPDSTC	

* For P Selectable Type, it is SUS304 equivalent.



RoHS 10

When P<3
a=0.5
d=P-0.1

When P≥3
a=1.0
d=P-0.2

Relief dimension is a reference value.

* SUS440C Equivalent has an identification groove at any position on D part.

* When D=P, relief is also applied.

Relief dimension is a reference value.

P Selectable

Part Number			P Selection	L	B	M (Coarse)	* Tightening Torque N・cm	ℓ	C	Unit Price	
Type	D	D dim. Tolerance g6								(1) Treated SKS3 JPDSTB	(4) SUS304 SJPDSTB
JPDSTB SJPDSTB	6	-0.004 -0.012	4	10	3	M3	147	5	0.5		
	8	-0.005	6	12	4	M4	333	6	1		
	10	-0.014	8	16	5	M5	676	8			
	12	-0.006		10	20	6			1.5		
	16	-0.017		10 14	24	10	M8	2803	12	3	

P, L, B Configurable

Part Number			P 0.01mm Increment	L 1mm Increment	B 0.1mm Increment	M (Coarse)	* Tightening Torque N·cm	ℓ	C	Unit Price			
Type	D	D dim. Tolerance g6								(1) Treated SKS3 FPDSTC	(2) Hard SKS3 GFPDSTC	(4) SUS304 SFPDSTC	(6) SUS440C CFPDSTC
FPDSTC GFPDSTC SFPDSTC CFPDSTC	6	-0.004	4.00~6.00	8~17	2.0~15.0	M3	147	5	0.5				
	6T	-0.012				M2.6	-	4					
	8	-0.005 -0.014	6.00~8.00	11~21	2.0~30.0	M4	333	6	1				
	10		7.00~10.00	11~23	3.0~30.0	M5	676	8					
	10T			8~18		M4	333	6	1.5				
	12	7.00~12.00	12~24	3.0~30.0	M5	676	8						
	12T			8~18		M4	333	6	2				
	13	-0.006 -0.017	8.00~13.00	13~26	5.0~30.0	M8	2803	10					
	13T			10~20		M6	1156	9	3				
	16		10.00~16.00	16~32	5.0~30.0	M8	2803	12					
	16T			10~24		M6	1156	9					
	20	-0.007 -0.020	13.00~20.00	20~40	5.0~30.0	M8	2803	12					
	20T			12~30		M6	1156	9					

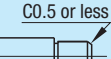
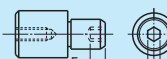
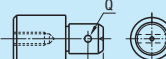
Pins of D dimension with T have one size smaller thread diameter and larger wall thickness. (Actual D dimension is the number without "T".)

Note the strength of under-head part. P.1618. Please confirm pilot hole depth on P.1618. Holes may go through.

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

Ordering Example: Part Number JPDBTB6 - 4 - P - L - B - FPDBTB6 - P4.00 - L10 - B5.5

Alterations: Part Number FPDSTC6 - P4.00 - L10 - B5.5 - RC

	Sphere Tip	C Chamfered Size	Hex Socket Machining		Wrench Hole Machining																																																																											
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Code	RC	CN	RAC		LAC																																																																											
Spec.	Changes the relief to R0.5. (Ordering Code) RC ⚡ Applicable when D-P≥2. ⊗ Combination with LAC is not available.	Changes C Chamfering at P dimension part to 0.5 or less. (Ordering Code) CN ⊗ Not applicable to D dimension part. ⚡ Applicable when D≥8.	Machines hex sockets. (Ordering Code) RAC ⚡ Applicable when D≥8. ⚡ Applicable to P, L, B Dimension Configurable Type only. ⊗ Combination with LAC is not available.		Machines wrench holes. (Ordering Code) LAC ⚡ Applicable when D≥8. ⚡ Applicable to P, L, B Dimension Configurable Type only. ⊗ Combination with RC or RAC is not available.																																																																											
			<table><thead><tr><th>D</th><th>Applicable Dimension</th><th>Hex Hole Dimensions</th></tr><tr><th></th><th>P</th><th>B</th><th>E</th><th>S</th></tr></thead><tbody><tr><td>8</td><td>7.00~</td><td>9.0~</td><td>2</td><td>3</td></tr><tr><td>10</td><td>10T</td><td></td><td></td><td></td></tr><tr><td>12</td><td>12T</td><td>8.00~</td><td></td><td></td></tr><tr><td>13</td><td>13T</td><td>11.00~</td><td>2.5</td><td>4</td></tr><tr><td>16</td><td>16T</td><td>14.00~</td><td>3</td><td>5</td></tr><tr><td>20</td><td>20T</td><td>15.00~</td><td>4</td><td>6</td></tr></tbody></table>	D	Applicable Dimension	Hex Hole Dimensions		P	B	E	S	8	7.00~	9.0~	2	3	10	10T				12	12T	8.00~			13	13T	11.00~	2.5	4	16	16T	14.00~	3	5	20	20T	15.00~	4	6		<table><thead><tr><th>D</th><th>Applicable Dim.</th><th>Wrench Hole Dimensions</th></tr><tr><th></th><th>P</th><th>B</th><th>P</th><th>Q</th></tr></thead><tbody><tr><td>8</td><td>8.0~</td><td></td><td>6.00~9.99</td><td>2</td></tr><tr><td>10</td><td>10T</td><td></td><td>10.00~15.99</td><td>3.5</td></tr><tr><td>12</td><td>12T</td><td></td><td>16.00~</td><td>5</td></tr><tr><td>13</td><td>13T</td><td></td><td></td><td></td></tr><tr><td>16</td><td>16T</td><td>9.0~</td><td></td><td></td></tr><tr><td>20</td><td>20T</td><td>10.0~</td><td></td><td></td></tr></tbody></table>	D	Applicable Dim.	Wrench Hole Dimensions		P	B	P	Q	8	8.0~		6.00~9.99	2	10	10T		10.00~15.99	3.5	12	12T		16.00~	5	13	13T				16	16T	9.0~			20	20T	10.0~	
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