

Locating Pins (Large Flat Head)

Material No.	Material	Surface Treatment	Hardness	P Selectable		P Configurable		P, L, B Configurable	
				Type	D Tolerance	Type	D Tolerance	Type	D Tolerance
(1)	O1 Tool Steel Equivalent	—	Treated Hardness: 60–63 HRC min.	JP		JP		FP	
(2)	O1 Tool Steel Equivalent	Hard Chrome Plating	Hardness: 50–55 HRC min. Plating Hardness: 750 HV min.	GJP		GJP		GFP	
(3)	SKS3 Tool Steel or Equiv.	—	—	BJP	DA m6	BJP	DC m6	BFP	DC m6
(4)	304 Stainless Steel Equivalent	—	—	SJP	DPA p6	SJP	DPC p6	SFP	DPC p6
(5)	304 Stainless Steel Equivalent	Hard Chrome Plating	Plating Hardness: 750 HV min.	HJP		HJP		HFP	
(6)	440C or 420 Stainless Steel	—	Treated Hardness: 50–55 HRC min.	CJP		CJP		CFP	

Some combinations are not available. Refer to the price list to select the available combination.

* The insertion guide is applicable to tolerance p6 type only.
 ① 440C or 420 Stainless Steel has an identification groove on D part.
 ② Polished, centering hole is sometimes not available for 304 Stainless Steel.

P Tolerance Table

P	h6
1.50–3.00	0 -0.006
3.01–6.00	0 -0.008
6.01–10.00	0 -0.009
10.01–18.00	0 -0.011
18.01–30.00	0 -0.013

P Selectable

Type	Part Number	D Tolerance		P Selection	L	B	ℓ	C
		D	m6					
JP GJP BJP SJP HJP CJP	DA m6 DPA p6	1			2	3	0	0.1
		2	+0.008	+0.012	3	4		1
		3	+0.002	+0.006	5	5	2	
		4			6, 8	3		1
		5	+0.012	+0.020	8	4	1.5	
		6	+0.004	+0.012	8, 10	5		2
		8	+0.015	+0.024	12	6	3	
		10	+0.006	+0.015	12, 14	12		2
		12			16	16	1	
		13	+0.018	+0.029	18	22		2
		16	+0.007	+0.018	25	22	3	
		20	+0.021	+0.035	30	24		1
			+0.008	+0.022		30	2	

P Configurable

Type	Part Number	D Tolerance		P	L	B	ℓ	C
		D	m6					
JP GJP BJP SJP HJP CJP	DC m6 DPC p6	1		1.50–2.50	3	2	0	0.1
		2	+0.008	+0.012	2.50–4.00	4		1
		3	+0.002	+0.006	3.50–6.00	5	2	
		4			4.50–7.00	3		1
		5	+0.012	+0.020	5.50–8.00	4	1.5	
		6	+0.004	+0.012	6.50–10.00	5		2
		8	+0.015	+0.024	9.00–13.00	6	1	
		10	+0.006	+0.015	11.00–15.00	12		2
		12			13.00–16.00	16	3	
		13	+0.018	+0.029	14.00–18.00	22		1
		16	+0.007	+0.018	17.00–25.00	22	2	
		20	+0.021	+0.035	22.00–30.00	24		3
			+0.008	+0.022		30	1	

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continued

P, L, B Configurable

Type	Part Number	D Tolerance		P	L	B	ℓ	C	
		D	m6						p6
FP GFP BFP SFP HFP CFP	DC m6 DPC p6	1		1.50–2.50	2–3	2.0–5.0	0	0.1	
		2	+0.008	+0.012	2.50–4.00	2–6		2.0–10.0	1
		3	+0.002	+0.006	3.50–6.00	3–6	2.0–10.0	1	
		4			4.50–7.00	4–8	2.0–10.0		2
		5	+0.012	+0.020	5.50–8.00	5–10	2.0–10.0	1	
		6	+0.004	+0.012	6.50–10.00	6–12	2.0–12.0		2
		8	+0.015	+0.024	9.00–13.00	8–16	2.0–15.0	1	
		10	+0.006	+0.015	11.00–15.00	10–20	3.0–20.0		2
		12			13.00–16.00	12–24	3.0–20.0	3	
		13	+0.018	+0.029	14.00–18.00	13–26	5.0–20.0		1
		16	+0.007	+0.018	17.00–25.00	16–32	5.0–20.0	2	
		20	+0.021	+0.035	22.00–30.00	20–40	5.0–20.0		3
			+0.008	+0.022				1	

P Selectable

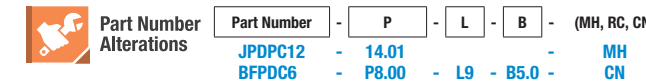
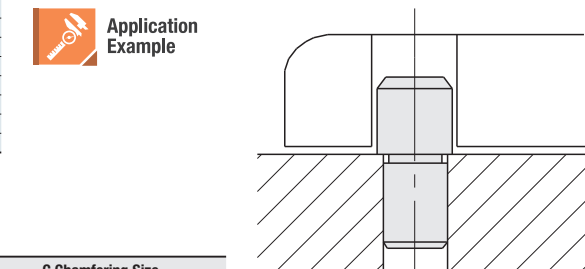
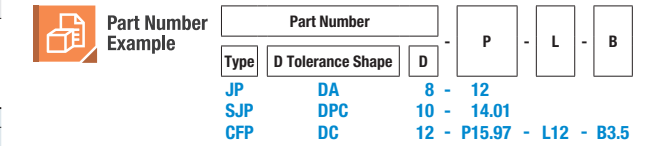
D	Available Types					
	(1) O1 Tool Steel Hardened JPDA JPDPA	(2) Hard O1 Tool Steel GJPDA GJPDPA	(3) O1 Tool Steel BJPDA BJPDPA	(4) 304 Stainless Steel SJPDA SJPDA	(5) 304 Stainless Steel Hard HJPDA HJPDPA	(6) 440C or 420 Stainless Steel CJPDA CJPDPA
1	*	*	*	*	*	*
2	*	*	*	*	*	*
3	*	*	*	*	*	*
4	*	*	*	*	*	*
5	*	*	*	*	*	*
6	*	*	*	*	*	*
8	*	*	*	*	*	*
10	*	*	*	*	*	*
12	*	*	*	*	*	*
13	*	*	*	*	*	*
16	*	*	*	*	*	*
20	*	*	*	*	*	*

P Configurable

D	Available Types					
	(1) O1 Tool Steel Hardened JPDC JPDPC	(2) Hard O1 Tool Steel GJPDC GJPDPC	(3) O1 Tool Steel BJPDC BJPDPC	(4) 304 Stainless Steel SJPDC SJPDC	(5) 304 Stainless Steel Hard HJPDC HJPDPC	(6) 440C or 420 Stainless Steel CJPDC CJPDPC
1	*	*	*	*	*	*
2	*	*	*	*	*	*
3	*	*	*	*	*	*
4	*	*	*	*	*	*
5	*	*	*	*	*	*
6	*	*	*	*	*	*
8	*	*	*	*	*	*
10	*	*	*	*	*	*
12	*	*	*	*	*	*
13	*	*	*	*	*	*
16	*	*	*	*	*	*
20	*	*	*	*	*	*

P, L & B Configurable

D	Available Types					
	(1) O1 Tool Steel Hardened FPDC FPDPC	(2) Hard O1 Tool Steel GFDC GFDC	(3) O1 Tool Steel BFDC BFDC	(4) 304 Stainless Steel SFDC SFDC	(5) 304 Stainless Steel Hard HFDC HFDC	(6) 440C or 420 Stainless Steel CFDC CFDC
1	*	*	*	*	*	*
2	*	*	*	*	*	*
3	*	*	*	*	*	*
4	*	*	*	*	*	*
5	*	*	*	*	*	*
6	*	*	*	*	*	*
8	*	*	*	*	*	*
10	*	*	*	*	*	*
12	*	*	*	*	*	*
13	*	*	*	*	*	*
16	*	*	*	*	*	*
20	*	*	*	*	*	*



Alterations	Tapping	Spherical Tip	C Chamfering Size												
Code	MH	RC	CN												
Spec.	Adds tapped hole. Ordering Code: MH ① Applicable when D≥12. <table border="1"> <tr><th>D</th><th>MH (Coarse Thread)</th><th>ℓ₂</th></tr> <tr><td>12</td><td>M4</td><td>6</td></tr> <tr><td>16</td><td>M6</td><td>9</td></tr> <tr><td>20</td><td></td><td></td></tr> </table> ② B≥ℓ ₂ +4	D	MH (Coarse Thread)	ℓ ₂	12	M4	6	16	M6	9	20			Changes the relief to R0.5. Ordering Code: RC ① Applicable when P-D≥2.	Changes C Chamfering at P dimension part to 0.5 or less. ② Not applicable to D dimension part. ③ Applicable when D≥3.
D	MH (Coarse Thread)	ℓ ₂													
12	M4	6													
16	M6	9													
20															