



# Locating Pins (Large Flat Head)

Locating Pins / Bushings for Locating Pins

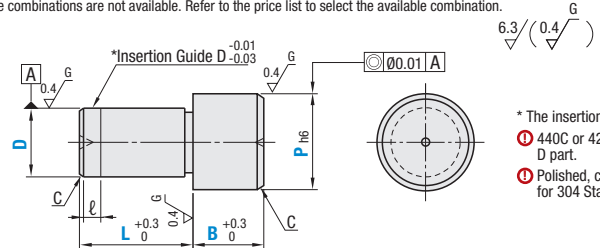


Material No.	Material	Surface Treatment	Hardness	P Selectable		P Configurable		P, L, B Configurable	
				Type	D Tolerance	Type	D Tolerance	Type	D Tolerance
(1)	O1 Tool Steel Equivalent	—	Treated Hardness: 60-63 HRC min.	JP		JP		FP	
(2)	O1 Tool Steel Equivalent	Hard Chrome Plating	Hardness: 50-55 HRC 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	

### 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

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 Selectable

Type	Part Number	D Tolerance	D Tolerance		P Selection	L	B	ℓ	C
			m6	p6					
JP GJP BJP SJP HJP CJP	DA m6 DPA p6		1	+0.008 +0.012	2	3	2	0	0.1
					3	4			
			4	+0.012 +0.020	5	5	3	1	1
					6, 8	8			
			5	+0.015 +0.024	8, 10	10	5	1	1.5
			6	+0.018 +0.029	12, 14	16	10	2	2
			7	+0.021 +0.035	18	20	20	2	3
			8	+0.021 +0.022	20	30	32	3	3

### P Configurable

Type	Part Number	D Tolerance	D Tolerance		P	L	B	ℓ	C
			m6	p6					
JP GJP BJP SJP HJP CJP	DC m6 DPC p6		1	+0.008 +0.012	1.50-2.50	3	2	0	0.1
					2.50-4.00	4			
			3	+0.012 +0.020	3.50-6.00	5	3	1	1
					4.50-7.00	8			
			4	+0.015 +0.024	6.50-10.00	10	5	1	1.5
					9.00-13.00	12			
			5	+0.018 +0.029	11.00-15.00	16	10	2	2
					13.00-16.00	20			
			6	+0.021 +0.035	14.00-18.00	22	22	2	3
					17.00-25.00	24			
			7	+0.021 +0.022	22.00-30.00	32	30	3	3
					22.00-30.00	32			

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continued

### P, L, B Configurable

Type	Part Number	D Tolerance	D	D Tolerance		P	L	B	ℓ	C	
				m6	p6						
FP GFP BFP SFP HFP CFP	DC m6 DPC p6		1	+0.008 +0.002	+0.012 +0.006	1.50-3.00	2-3	2.0-5.0	0	0.1	
			2			2.50-6.00	2-6	2.0-15.0			
			3	+0.012 +0.004	+0.020 +0.012	3	3.50-8.00	3-10	2.0-15.0	1	1
						4	4.50-8.00	3-14	2.0-15.0		
			5	+0.015 +0.006	+0.024 +0.015	5	5.50-10.00	5-15	2.0-15.0	1	1.5
						6	6.50-10.00	5-15	2.0-30.0		
			6	+0.018 +0.007	+0.029 +0.018	8	8.50-15.00	5-16	2.0-30.0	2	2
						10	11.00-17.00	5-20	3.0-30.0		
			7	+0.021 +0.008	+0.035 +0.022	12	13.00-18.00	6-24	3.0-30.0	2	3
						13	14.00-20.00	7-26	5.0-30.0		
			8			16	17.00-27.00	8-32	5.0-30.0	3	3
						20	22.00-30.00	10-40	5.0-30.0		

### P Selectable

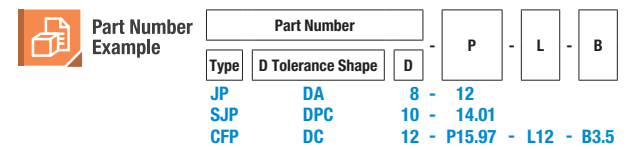
D	Available Types					
	(1) O1 Tool Steel Hardened	(2) Hard O1 Tool Steel	(3) O1 Tool Steel	(4) 304 Stainless Steel	(5) 304 Stainless Steel Hard	(6) 440C or 420 Stainless Steel
1	JPDA JPDPA	GJPDA GJPDPA	BJPDA BJPDPA	SJPDA SJPDA	HJPDA HJPDA	CJPDA CJPDA
2	*	*	*	*	*	*
3	*	*	*	*	*	*
4	*	*	*	*	*	*
5	*	*	*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

### P Configurable

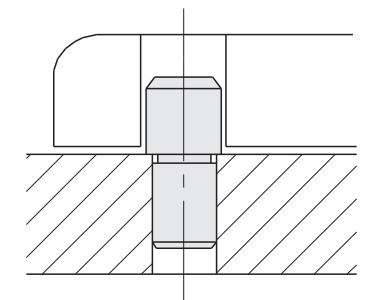
D	Available Types					
	(1) O1 Tool Steel Hardened	(2) Hard O1 Tool Steel	(3) O1 Tool Steel	(4) 304 Stainless Steel	(5) 304 Stainless Steel Hard	(6) 440C or 420 Stainless Steel
1	JPDC JPDPC	GJPDC GJPDPC	BJPDC BJPDPC	SJPDC SJPDC	HJPDC HJPDC	CJPDC CJPDC
2	*	*	*	*	*	*
3	*	*	*	*	*	*
4	*	*	*	*	*	*
5	*	*	*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

### P, L & B Configurable

D	Available Types					
	(1) O1 Tool Steel Hardened	(2) Hard O1 Tool Steel	(3) O1 Tool Steel	(4) 304 Stainless Steel	(5) 304 Stainless Steel Hard	(6) 440C or 420 Stainless Steel
1	FPDC FPDPC	GFPDC GFPDPC	BFPC BFPDPC	SFPDC SFPDPC	HFPDC HFPDPC	CFPC CFDPC
2	*	*	*	*	*	*
3	*	*	*	*	*	*
4	*	*	*	*	*	*
5	*	*	*	*	*	*
6	*	*	*	*	*	*
8	*	*	*	*	*	*
10	*	*	*	*	*	*
12	*	*	*	*	*	*
13	*	*	*	*	*	*
16	*	*	*	*	*	*
20	*	*	*	*	*	*



### Application Example



Part Number Alterations: JPDPC12 - 14.01, BFPDC6 - P8.00 - L9 - B5.0 - MH CN

Alterations	Tapping	Spherical Tip	C Chamfering Size
	MH	RC (R0.5)	C0.5 or less
Code	MH	RC	CN
Spec.	Adds tapped hole. Ordering Code: MH. Applicable when D≥12. D MH (Coarse Thread) ℓ₂ 12 M4 6 13 M4 6 16 M6 9 20 M6 9 B≥ℓ₂+4	Changes the relief to R0.5. Ordering Code: RC. Applicable when P-D≥2.	Changes C Chamfering at P dimension part to 0.5 or less. Not applicable to D dimension part. Applicable when D≥3.

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