



Please refer to website for current pricing.

Locating Pins

-Large Head with Tapped Shank-

☞D=5 is now available for Configurable Type.

RoHS

Materials No.	Material	Surface Treatment	Hardness	P Dimension Selectable Type	Shape Code	P Dimension Configurable Type	Shape Code	P, L and B Dimension Configurable Type	Shape Code
(1)	01 Tool Steel	-	60 ~ 63HRC	JP		JP		FP	
(2)	01 Tool Steel	Chrome Plating (Plating Thickness 3µm or More)	60 ~ 63HRC	GJP		GJP		GFP	
(3)	01 Tool Steel	-	-	-	BTB(Round)	-	BTB(Round)	-	BTB(Round)
(4)	304 Stainless Steel	-	-	SJP	DTB(Diamond)	SJP	BTB(Diamond)	SFP	BTB(Diamond)
(5)	304 Stainless Steel	Chrome Plating (Plating Thickness 3µm or More)	Plating Hardness 750HV ~	HJP		-		HFP	
(6)	440C Stainless Steel Equivalent	-	50 ~ 55HRC	CJP		CJP		CFP	

☞Refer to the price list to select the available combination.

(Round)

(Diamond)

☞440C Stainless Steel has an identification groove on D part.

P Dimension Selectable

Type	Part Number Shape	D	D Dimension Tolerance #	P	L	B	m	(W)	M Coarse	ℓ
JP GJP SJP HJP CJP	BTB(Round) DTB(Diamond)	6	-0.004	8 10	10	8	3	3	M3	5
		6T	-0.012	8 10						
		8	-0.005	10 12 13						
		8T	-0.014	10 12 13						
		10	-0.014	12 13 15	15		4	4	M5	8
		12	-0.006	13 15 16				5		
		13	-0.017	15 16				5.5		
		16	-0.017		22	10		7	M8	12
		20	-0.007 -0.020	20 25			5	9		
				25 30	30	15				

P Dimension Configurable

Type	Part Number Shape	D	D Dimension Tolerance #	P 0.01mm Increment	L	B	m	(W)	M Coarse	ℓ
JP GJP BJP SJP CJP	BTA(Round) BTD(Diamond)	5	-0.004	5.50~8.00	10	6	3	2.2	M2	3
		6	-0.012	6.50~10.00						
		6T	-0.012	6.50~10.00						
		8	-0.005	9.00~13.00		8	3	3	M3	5
		8T	-0.014	9.00~13.00						
		10	-0.014	11.00~15.00	15		4	4	M2.6	4
		12	-0.006	13.00~16.00				5	M5	8
		13	-0.017	14.00~18.00				5.5		
		16	-0.017	17.00~25.00	22	10		7	M4	6
		20	-0.007 -0.020	22.00~30.00	30	15	5	9	M5	8

P, L and B Dimension Configurable

Type	Part Number Shape	D	D Dimension Tolerance #	P 0.01mm Increment	L 1mm Increment	B 0.1mm Increment	m	(W)	M Coarse	ℓ
FP GFP SFP HFP CFP	BTA(Round) BTD(Diamond)	5	-0.004	5.50~8.00	5 (9) ~ 10	2.0~12.0	3	2.2	M2	3
		6	-0.012	6.50~10.00	6 (9) ~ 12			3	M3	5
		6T	-0.012	6.50~10.00	6 (9) ~ 12				M2.6	4
		8	-0.005	9.00~13.00	8 (12) ~ 16	2.0~15.0		3.5	M5	8
		8T	-0.014	9.00~13.00	6 (12) ~ 16				M4	6
		10	-0.014	11.00~15.00	10 (12) ~ 20	3.0~20.0		4	M5	8
		10T	-0.014	11.00~15.00	6 (12) ~ 16				M4	6
		12	-0.006	13.00~16.00	12 ~24	3.0~20.0		5	M5	8
		12T	-0.017	13.00~16.00	8 (12) ~ 18				M4	6
		13	-0.006	14.00~18.00	13 (14) ~ 26	5.0~20.0		5.5	M8	10
		13T	-0.017	14.00~18.00	8 (14) ~ 20				M6	9
		16	-0.017	17.00~25.00	16 ~32	5.0~20.0		7	M8	12
		16T	-0.017	17.00~25.00	10 (14) ~ 24				M6	9
		20	-0.007	22.00~30.00	20 ~40	5.0~20.0		9	M8	12
		20T	-0.020	22.00~30.00	12 (18) ~ 30	5.0~20.0			M6	9

☞Pins of D dimension with Ts have one size smaller thread diameter and larger wall thickness.

☞(Actual D dimension is the number without "T").

☞L dimension in () is applicable to diamond shape.

☞Note the strength of under-head part. ☞P.1263

☞Please confirm pilot hole depth on ☞P.1263. Holes may go through.

Order Example

Part Number

Type Shape D

-

P

-

L

-

B

JP BTB 6 - 8

JP BTA 10 - 12.10

FP BTA 10 - P11.01 - L12 - B6.4



P Dimension Selectable (Section)

1 Day ☞P87

- P Dimension Configurable Material No (1), (4), (6) when D≥6

3 Days ☞Express A \$5.00 / piece ☞P88

☞Non-Returnable P88 ☞A flat charge of \$13.50 for 3 or more identical pieces.

-Others

6 Days ☞Express A \$5.00 / piece ☞P88

☞Non-Returnable P88 ☞A flat charge of \$13.50 for 3 or more identical pieces.

☞Express service is not available for Material No. (2) Hard 01 Tool Steel and Material No. (5) Hard 304 Stainless Steel.



Price

Volume Discount Rate

Qty.	1~4	5~19	20~49	50~
Rate	Unit Price	5%	10%	15%

☞For larger quantity orders "Days to Ship" may differ from published catalog term. ☞P87

P Dimension Selectable

D	Unit Price Round Shape					Unit Price Diamond Shape				
	(1) 01 Tool Steel Hardened JPBTA	(2) Hard 01 Tool Steel GJPBTA	(4) 304 Stainless Steel SJPBTA	(5) 304 Stainless Steel Hard HJPBTA	(6) 440C Stainless Steel CJPBTA	(1) 01 Tool Steel Hardened JPBTD	(2) Hard 01 Tool Steel GJPBTD	(4) 304 Stainless Steel SJPBTD	(5) 304 Stainless Steel Hard HJPBTD	(6) 440C Stainless Steel CJPBTD
6	8.50	10.90	10.90	14.20	11.70	9.90	12.80	13.10	16.40	14.10
6T	8.50	10.90	10.90	14.20	11.70	9.90	12.80	13.10	16.40	14.10
8	8.70	11.00	11.20	14.60	12.00	10.30	13.20	13.50	16.70	14.50
8T	8.70	11.00	11.20	14.60	12.00	10.30	13.20	13.50	16.70	14.50
10	8.90	11.30	11.70	15.20	12.30	10.60	13.50	14.10	17.30	15.00
12	9.20	11.80	12.00	15.60	12.40	10.90	14.10	14.50	17.70	15.20
13	9.50	12.00	12.30	15.70	13.20	11.10	14.20	15.00	18.30	16.10
16	11.30	14.50	15.30	18.60	16.50	13.60	17.40	18.80	22.60	20.40
20	13.40	17.10	18.40	22.00	19.80	16.40	20.80	22.90	27.50	24.60

P Dimension Configurable

D	Unit Price Round Shape					Unit Price Diamond Shape				
	(1) 01 Tool Steel Hardened JPBTA	(2) Hard 01 Tool Steel GJPBTA	(3) 01 Tool Steel BJPBTA	(4) 304 Stainless Steel SJPBTA	(6) 440C Stainless Steel CJPBTA	(1) 01 Tool Steel Hardened JPBTD	(2) Hard 01 Tool Steel GJPBTD	(3) 01 Tool Steel BJPBTD	(4) 304 Stainless Steel SJPBTD	(6) 440C Stainless Steel CJPBTD
5	13.00	17.60	11.70	15.70	17.40	15.90	-	-	19.70	21.60
6	13.20	16.90	11.20	16.40	17.70	16.20	-	-	20.40	22.00
6T	13.20	16.90	11.20	16.40	17.70	16.20	-	-	20.40	22.00
8	13.80	17.60	11.80	17.10	18.40	16.80	-	-	21.20	22.90
8T	13.80	17.60	11.80	17.10	18.40	16.80	-	-	21.20	22.90
10	14.20	18.00	12.00	17.70	19.10	17.40	-	-	22.00	23.90
12	14.70	18.90	12.50	18.40	21.80	18.00	-	-	22.90	24.00
13	15.30	19.60	13.10	19.00	22.80	18.50	-	-	23.90	25.70
16	19.00	24.30	16.20	24.20	26.40	23.70	-	-	30.50	33.40
20	23.10	29.50	19.60	29.90	32.60	28.80	-	-	38.00	41.30

P, L and B Dimension Configurable

D	Unit Price Round Shape					Unit Price Diamond Shape				
	(1) 01 Tool Steel Hardened FPBTA	(2) Hard 01 Tool Steel GFPBTA	(4) 304 Stainless Steel SFPBTA	(5) 304 Stainless Steel Hard HFPBTA	(6) 440C Stainless Steel CFPBTA	(1) 01 Tool Steel Hardened FPBTD	(2) Hard 01 Tool Steel GFPBTD	(4) 304 Stainless Steel SFPBTD	(5) 304 Stainless Steel Hard HFPBTD	(6) 440C Stainless Steel CFPBTD
5	14.40	18.60	19.70	24.00	21.60	17.80	22.80	24.80	29.90	27.20
6	14.60	17.90	20.40	24.40	22.00	18.00	22.00	25.40	30.50	27.70
6T	14.60	17.90	20.40	24.40	22.00	18.00	22.00	25.40	30.50	27.70
8	15.30	18.60	21.20	25.40	22.90	18.90	23.00	26.50	31.80	28.80
8T	15.30	18.60	21.20	25.40	22.90	18.90	23.00	26.50	31.80	28.80
10	15.70	19.30	22.00	26.40	24.00	19.50	23.80	27.70	33.30	29.90
10T	13.40	17.20	18.70	22.30	20.20	16.50	21.10	23.50	28.20	25.30
12	16.40	19.80	22.90	27.50	24.00	20.40	25.00	28.80	34.70	30.30
12T	13.80	17.70	19.40	23.30	20.20	17.30	22.20	24.30	29.40	25.60
13	16.90	20.70	23.80	28.50	25.60	20.80	25.30	29.90	35.90	30.40
13T	14.30	18.50	20.00	24.10	21.70	17.60	22.60	25.30	30.30	25.60
16	21.50	26.10	30.50	36.50	33.30	26.80	32.70	38.70	46.40	42.50
16T	18.20	23.20	25.70	30.90	28.20	22.80	29.20	32.80	39.40	35.90
20	26.20	31.80	37.80	45.50	41.30	33.00	40.20	48.30	58.00	52.50
20T	22.10	28.40	32.00	38.50	35.00	27.90	35.80	40.80	49.10	44.40



Alterations



Part Number - P - L - B - (TC / RC / RAC / LAC)



8 Days

☞Non-Returnable P88

Alterations	Length of Tapered Point	Radius	Hexagon Socket	Wrench Hole
Code	TC	RC	RAC	LAC
Spec.	Changes the m dimension. ☞Ordering Code TC8 (1mm Increment) D TC D TC 5 4~13 12 5~22 6 4~13 13 5~22 8 5~16 16 6~23 10 5~22 20 6~23	Changes the relief to R0.5. ☞Ordering Code RC ☞Applicable when P-D≥2. ☞Not applicable for P Dimension Selectable Type. ☞Combination with RAC and LAC is not available.	Machines hexagonal socket. ☞Ordering Code RAC Applicable Dimension D P L B E S 5 6.00 8~ 6.0 2 2 6 6T 6.50 (8.00)~ 10~ 6.0 2 3 8 8T 9.00 (10.00)~ 10~ 10.0 2.5 4 10 10T 11.00 (12.00)~ 12~ 10.0 3 5 12 12T 13.00 12~ 12.0 4 6 13 13T 14.00 15~ 15.0 5 8 16 16T 17.00 16~ 15.0 5 8 20 20T 22.00 20~ 15.0 5 8 ☞P dimension in () is applicable to diamond shape.	Machines wrench hole. ☞Ordering Code LAC Applicable Dimension D B Wrench Hole Dimension D P Q 5 5.50~9.99 2 6 6T 10.00~16.99 3.5 8 8T 17.00~ 5 10 10T 12 12T 13 13T 16 16T 20 20T ☞Orientation between diamond shape head and wrench hole is arbitrary. ☞Combination with TC, RC and RAC is not available.
Price Adder	3.00	3.00	6.00	3.00

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