

# Locating Pins - Flat-



The Locating Pins in this section are provided in: Head O.D. selectable, Head O.D. Specifiable (0.0005" inc.), and Head / Height / Shank Length, all user specifiable groupings. Available in hardened A2 tool steel and 304 stainless steel. See modifications for more customized options.

Material	Hardness	Type	
		Standard P Dimension	Configurable P Dimension
A2 Tool Steel	60-63HRC	U-JPDA	U-JPDC
304 Stainless Steel	-	U-SJPDA	U-SJPDC

Material Characteristics P.628, 629

General Tolerance  
Unless otherwise specified use the table below:

From	To	Tolerance
0.000	5.000	±0.01
5.001	16.000	±0.02
16.001	60.000	±0.05

Thread or hole location tolerance: ±0.005" non-cumulative. Surface Roughness: Unless otherwise specified P.250

## Standard P Dimension

Type	Part No.		Selection (Callout)								L	B	ℓ	C	\$ Unit Price (Qty. 1-4)			
	Callout	Nominal	Tolerance	3/16	1/4	5/16	3/8	7/16	1/2	9/16					5/8	U-JPDA	U-SJPDA	
				U-JPDA	0.13	1/8	0.1255	0.1252	0.19									
U-SJPDA	0.19	3/16	0.1880	0.1877	0.25	0.31												
	0.25	1/4	0.2506	0.2502	0.31	0.38												
	0.31	5/16	0.3131	0.3127			0.44											
	0.38	3/8	0.3756	0.3752				0.50	0.56									
	0.50	1/2	0.5007	0.5003						0.63								
											0.63							
												0.875	0.875	0.08	0.10	4.80	7.20	

## Technical Information

Please refer to the table below for technical information.

P Dimension Tolerances			
Callout	Nominal	Tolerance	
0.19	3/16	0.1875	0.1872
0.25	1/4	0.2500	0.2496
0.31	5/16	0.3125	0.3121
0.38	3/8	0.3750	0.3746
0.44	7/16	0.4375	0.4370
0.50	1/2	0.5000	0.4995
0.56	9/16	0.5625	0.5620
0.63	5/8	0.6250	0.6245

P Dimension Tolerance (Configurable P Dimension)			
over	up to	+	-
0.0000	0.1200	0.0000	0.0002
0.1200	0.2400	0.0000	0.0003
0.2400	0.4000	0.0000	0.0004
0.4000	0.7100	0.0000	0.0005

## Configurable P Dimension

Type	Part No.		Choose in 0.0005" Increments								L	B	ℓ	C	\$ Unit Price (Qty. 1-4)	
	Nominal	Fraction	Tolerance	0.1560	0.2500	0.203	0.125	0.05	0.05	U-JPDC					U-SJPDC	
				U-JPDC	0.13	1/8	0.1255	0.1252	0.1560							0.2500
U-SJPDC	0.19	3/16	0.1880	0.1877	0.2185	0.3125	0.313	0.156	0.05	0.05	7.60	11.40				
	0.25	1/4	0.2506	0.2502	0.2500	0.3750	0.375	0.203	0.05	0.05	8.00	11.90				
	0.31	5/16	0.3131	0.3127	0.3750	0.5000	0.500	0.250	0.08	0.05	8.40	12.60				
	0.38	3/8	0.3756	0.3752	0.4375	0.6250	0.625	0.375	0.08	0.08	8.80	13.20				
	0.50	1/2	0.5007	0.5003	0.5625	0.6875	0.875	0.875	0.08	0.10	9.60	14.40				

Order Example: Part No. - P - D

Days to Ship: 1 Day

Optional Modifications: U-JPDC 0.25 - P 0.2575 - RC

Price: \$5.00/piece

Quantity Discount Rate: 1-4 (2%), 5-19 (3%), 20-49 (5%), 50+ (15%)

Optional Modifications	Shank Length Modification	Head Length Modification	Tapped Head Modification	Radius Modification
	LC	BC	TH	RC (R0.02)
Ordering Code	LC	BC	TH	RC
Details	Changes the shank length (L dimension). [Example] LC0.50 Available for D≥0.25	Shortens B dimension. [Example] BC0.50 BC (Callout)	Adds a tapped hole for easy removal. [Example] TH Available for only D=0.50	Increases structural strength against side impact. [Example] RC Changes the undercut on shank to R0.02 radius. Applicable for P-D ≥ 0.08
	D: 0.13, 0.19, 0.25, 0.31, 0.38, 0.50 LC Selection (Callout): 3/16, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4	D: 3/32, 1/8, 3/16, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4 BC (Callout): 0.09, 0.13, 0.19, 0.25, 0.31, 0.38, 0.44, 0.50, 0.56, 0.63, 0.69, 0.75	D: 0.5 TH: #8-32, 0.25	
	Actual length LC (±0.001): 0.188, 0.250, 0.313, 0.375, 0.438, 0.500, 0.563, 0.625, 0.688, 0.750	Actual length BC (±0.001): 0.094, 0.125, 0.188, 0.250, 0.313, 0.375, 0.438, 0.500, 0.563, 0.625, 0.688, 0.750		
\$ Price Adder	5.00	5.00	5.00	3.00

# Locating Pins - Large Head with Threaded Shank-



The Locating Pins in this section are provided in: Head O.D. Specifiable (0.0005" inc.), and Head / Height / Shank Length, all user specifiable groupings. Available in hardened A2 tool steel and 304 stainless steel. Use diamond type pins with slight dimensional misalignment (P.326).

Material	Hardness	Type			
		Configurable P Dimension		Configurable P, L, B Dimension	
A2 Tool Steel	60-63HRC	Round	Diamond	Round	Diamond
304 Stainless Steel	-	U-JPNA	U-JPND	U-FPNA	U-FPND
		U-SJPNA	U-SJPND	U-SFPNA	U-SFPND

Material Characteristics P.628, 629

General Tolerance  
Unless otherwise specified use the table below:

From	To	Tolerance
0.000	5.000	±0.01
5.001	16.000	±0.02
16.001	60.000	±0.05

Thread or hole location tolerance: ±0.005" non-cumulative. Surface Roughness: Unless otherwise specified P.250

## Configurable P Dimension

Type	Part No.		Choose in 0.0005" Increments	T Thread Size	T1 Thread Length	L	B	m	(W)	(α)		
	Callout	Nominal									Tolerance	
												U-JPNA
U-JPND	0.19	3/16	0.1874	0.1871	0.2185 ~ 0.3125	#10-32	0.29	0.125	0.250	0.094	0.078	60°
U-SJPNA	0.25	1/4	0.2498	0.2494	0.2500 ~ 0.3750	1/4-20	0.38	0.125	0.313	0.094	0.125	60°
U-SJPND	0.31	5/16	0.3123	0.3119	0.3750 ~ 0.5000	5/16-18	0.47	0.188	0.313	0.125	0.141	60°
	0.38	3/8	0.3748	0.3744	0.4375 ~ 0.6250	3/8-16	0.56	0.188	0.375	0.156	0.156	60°
	0.50	1/2	0.4998	0.4994	0.5625 ~ 0.6875	1/2-13	0.75	0.313	0.375	0.188	0.203	60°

## Order Example

Part No. - P - L - B

Type D

U-JPNA 0.50 - P 0.6245

## Configurable P, L, B Dimension

Type	Part No.		Choose in 0.0005" Increments	Choose in 0.001" Increments	Choose in 0.001" Increments	T Thread Size	T1 Thread Length	m	(W)	(α)		
	Callout	Nominal									Tolerance	
												U-FPNA
U-FPND	0.19	3/16	0.1874	0.1871	0.2185 ~ 0.3125	0.125 ~ 0.313	0.094 ~ 0.375	#10-32	0.29	0.094	0.078	60°
U-SFPNA	0.25	1/4	0.2498	0.2494	0.2500 ~ 0.3750	0.125 ~ 0.313	0.094 ~ 0.438	1/4-20	0.38	0.094	0.125	60°
U-SFPND	0.31	5/16	0.3123	0.3119	0.3750 ~ 0.5000	0.188 ~ 0.313	0.094 ~ 0.594	5/16-18	0.47	0.125	0.141	60°
	0.38	3/8	0.3748	0.3744	0.4375 ~ 0.6250	0.188 ~ 0.594	0.125 ~ 0.750	3/8-16	0.56	0.156	0.156	60°
	0.50	1/2	0.4998	0.4994	0.5625 ~ 0.6875	0.313 ~ 0.594	0.313 ~ 0.750	1/2-13	0.75	0.188	0.203	60°

## Order Example

Part No. - P - L - B

Type D

U-FPNA 0.25 - P 0.2500 - L 0.125 - B 0.094

## Configurable P Dimension

Days to Ship: 3 Days

Price: \$5.00/piece

Quantity Discount Rate: 1-4 (2%), 5-19 (3%), 20-49 (5%), 50+ (15%)

## Configurable P, L, B Dimension

Days to Ship: 6 Days

Price: \$6.00/piece

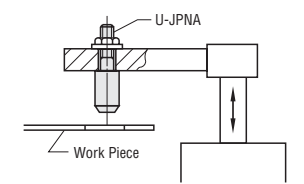
Quantity Discount Rate: 1-4 (2%), 5-19 (3%), 20-49 (5%), 50+ (15%)

## Price

Quantity	1-4	5-19	20-49	50~
Rate	—	2%	3%	5%
Rate (Others)	—	5%	10%	15%



D	\$ Unit Price (Qty. 1-4)							
	Configurable P Dimension				Configurable P, L, B Dimension			
	Round	Diamond	Round	Diamond	U-FPNA	U-SFPNA	U-FPND	U-SFPND
0.13	10.60	13.00	12.50	17.40	11.60	16.40	14.20	21.20
0.19	11.70	14.30	14.10	19.50	13.20	18.00	16.00	24.50
0.25	12.00	14.90	14.70	20.50	13.30	18.50	16.70	25.70
0.31	12.50	15.50	15.30	21.20	13.90	19.30	17.20	26.50
0.38	12.90	16.10	15.80	22.00	14.30	20.00	17.70	27.70
0.50	13.40	16.70	16.40	22.90	14.90	20.80	18.50	28.80



Express Options P.30

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