


Locating Pins –Small Head–

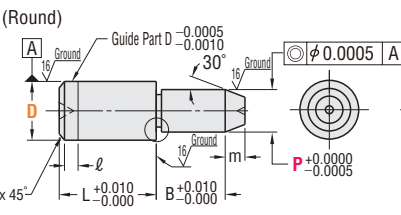
The Locating Pins in this section are provided in: Head O.D. selectable, Head O.D. Specifiable (0.0005" inc.), and Head / Height / Shank Length, all user specifiable groupings. Available in hardened A2 tool steel and 304 stainless steel. See modifications for more customized options. Use diamond pins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



Material	Hardness	Type			
		Standard P Dimension		Configurable P Dimension	
		Round	Diamond	Round	Diamond
A2 Tool Steel	60-63HRC	U-JPSB	U-JPDS	U-JPSA	U-JPSD
304 Stainless Steel	-	U-SJPSB	U-SJPDS	U-SJPSA	U-SJPDS
316 Stainless Steel	-	-	-	U-GJPSA	U-GJPSD

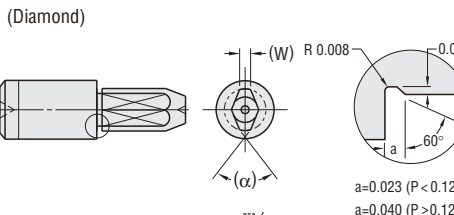
Material Characteristics P.628, 629

(Round)



Guide Part D -0.0005
 -0.0010
30°
 $\phi 0.0005$ A
A
D
L $+0.010$
 -0.000
B $+0.010$
 -0.000
m
P $+0.0000$
 -0.0005
C x 45°
Surface Roughness: Unless otherwise specified $\sqrt{250}$

(Diamond)



(W) R 0.008
a -0.023 (P < 0.125)
a -0.040 (P ≥ 0.125)

Standard P Dimension

Type	Part No.			P Selection (Callout)					L	B	C	m	ℓ	(W)	(α)	
	Callout	Nominal	Tolerance	3/32	1/8	3/16	1/4	5/16								3/8
U-JPSB U-JPDS U-SJPSB U-SJPDS	0.13	1/8	0.1255 0.1252	0.09												60°
	0.19	3/16	0.1880 0.1877		0.13											60°
	0.25	1/4	0.2506 0.2502		0.13	0.19										60°
	0.31	5/16	0.3131 0.3127			0.19	0.25									60°
	0.38	3/8	0.3756 0.3752				0.25	0.31								60°
	0.50	1/2	0.5007 0.5003					0.38								60°

Technical Information

P Dimension		
Callout	Nominal	Actual
0.09	3/32	0.0938
0.13	1/8	0.1250
0.19	3/16	0.1875
0.25	1/4	0.2500
0.31	5/16	0.3125
0.38	3/8	0.3750

D	\$ Unit Price (Qty. 1~4)			
	Round		Diamond	
	U-JPSB	U-SJPSB	U-JPDS	U-SJPDS
0.13	3.20	5.30	-	-
0.19	3.80	5.70	4.90	8.10
0.25	4.00	6.00	5.20	8.60
0.31	4.20	6.30	5.50	9.00
0.38	4.40	6.60	5.70	9.50
0.50	4.80	7.20	6.20	10.30

Configurable P Dimension

Type	Part No.			Choose in 0.0005" Increments	L	B	C	m	ℓ	(W)	(α)	\$ Unit Price (Qty. 1~4)			
	Callout	Nominal	Tolerance									Round		Diamond	
												U-JPSA	U-SJPSA U-GJPSA	U-JPDS	U-SJPDS U-GJPSD
U-JPSA U-JPDS U-SJPSA U-SJPDS U-GJPSA U-GJPSD	0.13	1/8	0.1255 0.1252	0.0935 ~ 0.1250	0.188	0.125	0.020	0.047	0.06	-	60°	7.00	9.60	-	-
	0.19	3/16	0.1880 0.1877	0.1250 ~ 0.1875	0.375	0.188	0.050	0.047	0.06	0.047	60°	8.40	11.30	10.80	17.80
	0.25	1/4	0.2506 0.2502	0.1250 ~ 0.2500	0.375	0.188	0.050	0.063	0.06	0.047	60°	8.80	11.90	11.40	18.80
	0.31	5/16	0.3131 0.3127	0.1875 ~ 0.3125	0.594	0.250	0.063	0.094	0.08	0.078	60°	9.20	12.50	12.00	19.70
	0.38	3/8	0.3756 0.3752	0.2500 ~ 0.3750	0.594	0.313	0.080	0.125	0.08	0.094	60°	9.70	13.10	12.50	20.70
	0.50	1/2	0.5007 0.5003	0.2810 ~ 0.5000	0.875	0.313	0.080	0.156	0.08	0.125	60°	10.60	14.30	13.60	22.70

Order Example

Part No. — P —
Type D
U-JPSB 0.31 — P 0.19
U-JPSA 0.31 — P 0.0935

Optional Modifications

Part No. — P — (Ordering Code) (TC, RC)
Type D
U-JPSA 0.13 — P 0.1180 — RC
6 Days Non-Returnable P.30
Optional Modifications available only with "Configurable P Dimension"

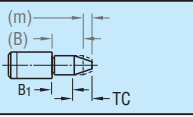
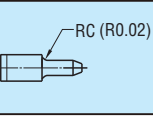
Days to Ship

Standard P Dimension: **1** Day
Configurable P Dimension: **3** Days Non-Returnable P.30


Price

Quantity Discount Rate
Quantity: 1~4, 5-19, 20-49, 50-
Rate(1day): —, 2%, 3%, 5%
Rate(Others): —, 5%, 10%, 15%
 For larger quantity orders "Days to Ship" may differ from published catalog term. P.29

Price Adder
\$5.00/piece P.30
 A flat charge of \$13.50 for 3 or more identical pieces.

Optional Modifications	Head Taper Modification	Radius Modification
		
Ordering Code	TC	RC
Details	Changes the length of tapered portion. Example TC0.188 (0.001" Increments) D TC D TC 0.25 0.063-0.156 0.38 0.125-0.344 0.31 0.094-0.250 0.50 0.156-0.375 Applicable only for D ≥ 0.25 B + m ≥ TC + 0.08 (B ₁ ≥ 0.08) P/2 - TC (tan30°) > 0.02 (The top dia. ≥ 0.040) When TC is selected, dimension B will be changed.	Increases structural strength against side impact. Example RC Changes the undercut on shank to R 0.02 radius. Applicable for D - P ≥ 0.08
Price Adder	3.00	3.00

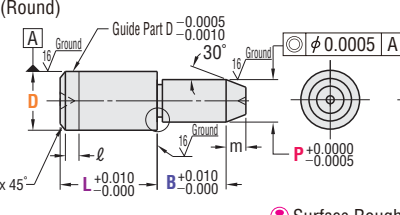
When using Optional Modifications, add the "Price Adder" to the standard "Unit Price".



Material	Hardness	Type	
		Configurable P, L, B Dimension Round	Diamond
A2 Tool Steel	60-63HRC	U-FPSA	U-FPSD
304 Stainless Steel	-	U-SFPSA	U-SFPDS
316 Stainless Steel	-	U-GFPSA	U-GFPDS

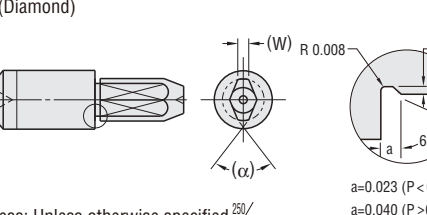
Material Characteristics P.628, 629

(Round)



Guide Part D -0.0005
 -0.0010
30°
 $\phi 0.0005$ A
A
D
L $+0.010$
 -0.000
B $+0.010$
 -0.000
m
P $+0.0000$
 -0.0005
C x 45°
Surface Roughness: Unless otherwise specified $\sqrt{250}$

(Diamond)



(W) R 0.008
a -0.023 (P < 0.125)
a -0.040 (P ≥ 0.125)

Configurable P, L, B Dimension

Type	Part No.			Choose in 0.0005" Increments	Choose in 0.001" Increments	Choose in 0.001 Increments	C	m	ℓ	(W)	(α)
	Callout	Nominal	Tolerance								
U-FPSA U-FPSD U-SFPSA U-SFPDS U-GFPSA U-GFPDS	0.13	1/8	0.1255 0.1252	0.0935 ~ 0.1250	0.125 ~ 0.250	0.094 ~ 0.375	0.020	0.047	0.06	-	60°
	0.19	3/16	0.1880 0.1877	0.1250 ~ 0.1875	0.188 ~ 0.406	0.094 ~ 0.375	0.050	0.047	0.06	0.047	60°
	0.25	1/4	0.2506 0.2502	0.1250 ~ 0.2500	0.250 ~ 0.469	0.094 ~ 0.500	0.050	0.063	0.06	0.047	60°
	0.31	5/16	0.3131 0.3127	0.1875 ~ 0.3125	0.313 ~ 0.625	0.094 ~ 0.594	0.063	0.094	0.08	0.078	60°
	0.38	3/8	0.3756 0.3752	0.2500 ~ 0.3750	0.375 ~ 0.818	0.125 ~ 0.750	0.080	0.125	0.08	0.094	60°
	0.50	1/2	0.5007 0.5003	0.2810 ~ 0.5000	0.500 ~ 1.000	0.188 ~ 0.750	0.080	0.156	0.08	0.125	60°

Order Example The part number consists only of the fields with blue characters.

Part No. — P — L — B
Type D
U-FPSA 0.13 — P 0.1250 — L 0.250 — B 0.250

Days to Ship **6** Days
 Non-Returnable P.30

Optional Modifications Part No. — P — L — B — (Ordering Code) (TC, RC)
Type D
U-FPSA 0.13 — P 0.1250 — L 0.250 — B 0.250 — RC

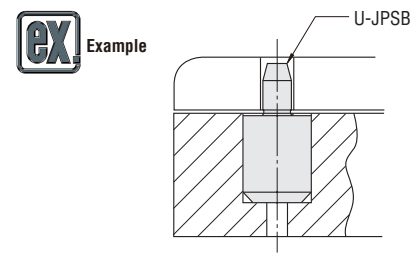
Price

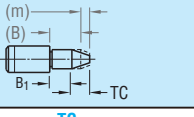
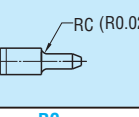
Quantity Discount Rate

Quantity	1-4	5-19	20-49	50- Rate
Rate	—	5%	10%	15%

For larger quantity orders "Days to Ship" may differ from published catalog term. P.29

D	\$ Unit Price (Qty. 1~4)			
	Round		Diamond	
	U-FPSA	U-SFPSA U-GFPSA	U-FPSD	U-SFPDS U-GFPDS
0.13	8.30	12.40	-	-
0.19	9.90	14.70	12.70	20.90
0.25	10.30	15.50	13.40	22.10
0.31	10.90	16.30	14.20	23.20
0.38	11.30	17.10	14.70	24.40
0.50	12.40	18.60	16.00	26.60



Optional Modifications	Head Taper Modification	Radius Modification
		
Ordering Code	TC	RC
Details	Changes the length of tapered portion. Example TC0.188 (0.001" Increments) D TC D TC 0.25 0.063-0.469 0.38 0.125-0.781 0.31 0.094-0.594 0.50 0.156-0.813 Applicable only for D ≥ 0.25 B + m ≥ TC + 0.08 (B ₁ ≥ 0.08) P/2 - TC (tan30°) > 0.02 (The top dia. ≥ 0.040) When TC is selected, dimension B will be changed.	Increases structural strength against side impact. Example RC Changes the undercut on shank to R 0.02 radius. Applicable for D - P ≥ 0.08
Price Adder	3.00	3.00

When using Optional Modifications, add the "Price Adder" to the standard "Unit Price".


Express Options
 P.30


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