


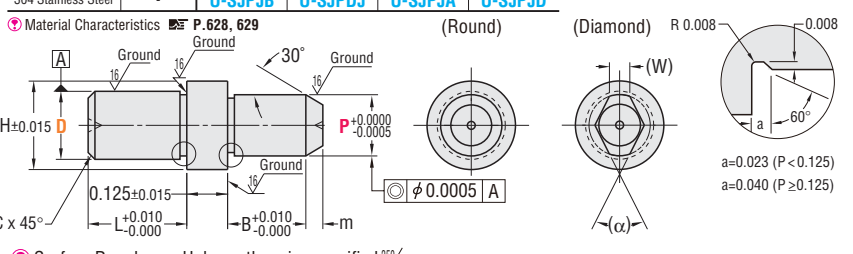
Locating Pins -Shoulder-

The Shoulder Locating Pins are commonly used to control and retain the insertion depths of pins with small diameter heads. Choose from untapped shank or bottom tapped shank. Many critical dimensions are selectable or specifiable. 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-JPJB	U-JPDJ	U-JPJA	U-JPJD
304 Stainless Steel	-	U-SJPJB	U-SJPDJ	U-SJPJA	U-SJPJD

Material Characteristics: P.628, 629 (Round) (Diamond) R 0.008



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.

Standard P Dimension

Type	Part No.			Selection (Callout)						L	B	C	m	H	(W)	(α)	
	Callout	Nominal	Tolerance	3/32	1/8	3/16	1/4	5/16	3/8								1/2
U-JPJB	0.13	1/8	0.1255 0.1252	0.09	0.13												60°
U-JPDJ	0.19	3/16	0.1880 0.1877	0.13	0.19												60°
U-SJPJB	0.25	1/4	0.2506 0.2502		0.19	0.25											60°
U-SJPJD	0.31	5/16	0.3131 0.3127		0.19	0.25	0.31										60°
U-JPJA	0.38	3/8	0.3756 0.3752				0.31	0.38									60°
U-SJPJA	0.50	1/2	0.5007 0.5003				0.38	0.50									60°

Technical Information

Callout	P Dimension	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
0.50	1/2	0.5000



Price

D	\$ Unit Price (Qty. 1~4)			
	Round	Diamond	Round	Diamond
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	H	(W)	(α)	\$ Unit Price (Qty. 1~4)			
	Callout	Nominal	Tolerance									Round	Diamond	Round	Diamond
U-JPJA	0.13	1/8	0.1255 0.1252	0.0935 ~ 0.1560	0.188	0.094	0.020	0.047	0.250	-	60°	7.00	9.60	-	-
U-JPJD	0.19	3/16	0.1880 0.1877	0.1250 ~ 0.2500	0.375	0.188	0.050	0.094	0.313	0.047	60°	8.40	11.30	10.80	17.80
U-SJPJA	0.25	1/4	0.2506 0.2502	0.1250 ~ 0.2810	0.375	0.188	0.050	0.094	0.375	0.078	60°	8.80	11.90	11.40	18.80
U-SJPJD	0.31	5/16	0.3131 0.3127	0.1875 ~ 0.3435	0.594	0.250	0.063	0.125	0.438	0.094	60°	9.20	12.50	12.00	19.70
U-JPJA	0.38	3/8	0.3756 0.3752	0.2500 ~ 0.4375	0.594	0.313	0.080	0.125	0.516	0.109	60°	9.70	13.10	12.50	20.70
U-SJPJA	0.50	1/2	0.5007 0.5003	0.2500 ~ 0.5155	0.875	0.313	0.080	0.156	0.625	0.141	60°	10.60	14.30	13.60	22.70

Order Example

Part No. - P - L - B
Type D



Price

Quantity Discount Rate

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

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

Days to Ship

Standard P Dimension: 1 Day

Configurable P Dimension: 3 Days

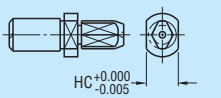
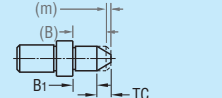
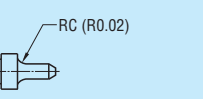
1 Day (Specify Express A) \$5.00/piece P.30

A flat charge of \$13.50 for 3 or more identical pieces.


Optional Modifications

Part No. - P - L - B - (Ordering Code) (RC, HC, TC)
Type D 6 Days Non-Returnable P.30

Optional Modifications available only with "Configurable P Dimension".

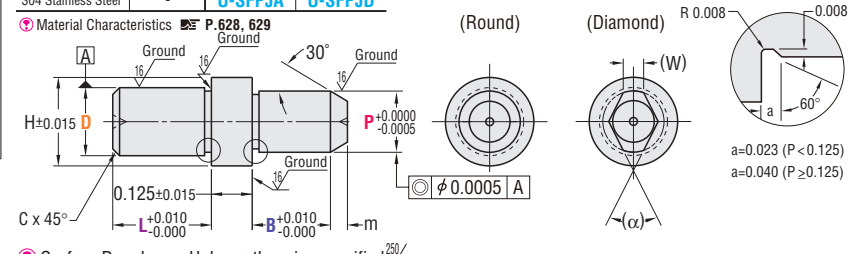
Optional Modifications	Wrench Flats Modification	Lead Modification	Radius Modification
	 HC (+0.000/-0.005)	 TC	 RC (R0.02)
Ordering Code	HC	TC	RC
Details	Add Wrench Flats. Example HC0.44 Available only for "Diamond" and D≥0.25.	Changes the length of tapered portion. Example TC0.188 (0.001" Increments)	Increases structural strength against side impact. Example RC
\$ Price Adder	5.00	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	Diamond
		Round	Diamond
A2 Tool Steel	60-63HRC	U-FPJA	U-FPJD
304 Stainless Steel	-	U-SFPJA	U-SFPJD

Material Characteristics: P.628, 629 (Round) (Diamond) R 0.008



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.

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	H	(W)	(α)
	Callout	Nominal	Tolerance								
U-FPJA	0.13	1/8	0.1255 0.1252	0.0935 ~ 0.1560	0.125 ~ 0.250	0.094 ~ 0.375	0.020	0.047	0.250	-	60°
U-FPJD	0.19	3/16	0.1880 0.1877	0.1250 ~ 0.2500	0.188 ~ 0.375	0.094 ~ 0.375	0.050	0.094	0.313	0.047	60°
U-SFPJA	0.25	1/4	0.2506 0.2502	0.1250 ~ 0.2810	0.250 ~ 0.500	0.094 ~ 0.500	0.050	0.094	0.375	0.078	60°
U-SFPJD	0.31	5/16	0.3131 0.3127	0.1875 ~ 0.3435	0.313 ~ 0.625	0.094 ~ 0.594	0.063	0.125	0.438	0.094	60°
U-FPJA	0.38	3/8	0.3756 0.3752	0.2500 ~ 0.4375	0.375 ~ 0.750	0.125 ~ 0.750	0.080	0.125	0.516	0.109	60°
U-SFPJA	0.50	1/2	0.5007 0.5003	0.2500 ~ 0.5155	0.500 ~ 1.000	0.188 ~ 0.750	0.080	0.156	0.625	0.141	60°

Order Example

Part No. - P - L - B

Type D

U-FPJA 0.25 - P 0.1875 - L 0.450 - B 0.375

Days to Ship

6 Days Non-Returnable P.30



Price

Quantity Discount Rate

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

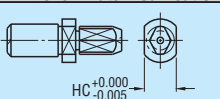
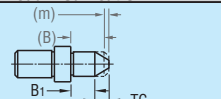
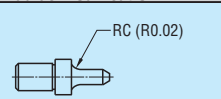
For larger quantity orders "Days to Ship" may differ from published catalog term. P.29

D	\$ Unit Price (Qty. 1-4)			
	Round	Diamond	Round	Diamond
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

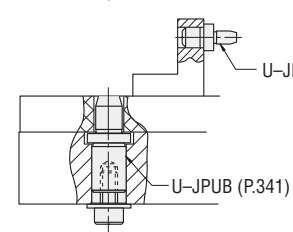
Part No. - P - L - B - (Ordering Code) (RC, HC, TC)
Type D

U-FPJA 0.25 - P 0.1875 - L 0.450 - B 0.375 - RC

Optional Modifications	Wrench Flats Modification	Lead Modification	Radius Modification
	 HC (+0.000/-0.005)	 TC	 RC (R0.02)
Ordering Code	HC	TC	RC
Details	Add Wrench Flats. Example HC0.44 Available only for "Diamond" and D≥0.25.	Changes the length of tapered portion. Example TC0.188 (0.001" Increments)	Increases structural strength against side impact. Example RC
\$ Price Adder	5.00	3.00	3.00

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

Example



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