


Locating Pins for Jigs –Tapped/Pilot–

The Locating Pins for Jigs play two different roles. They provide locating and spacing. The female thread allows direct mounting ("Tapped") or precision mounting ("Pilot"). See the application example below at next page.

Locating Pins for Jigs –Flat–

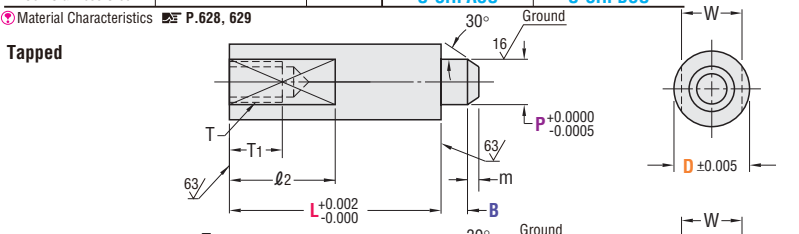
The Flat Pins are generally used as spacers in combination with the stepped pins from the previous page. See the application example at the bottom of the page. Available with male or female thread and two wrench flats for easy mounting.



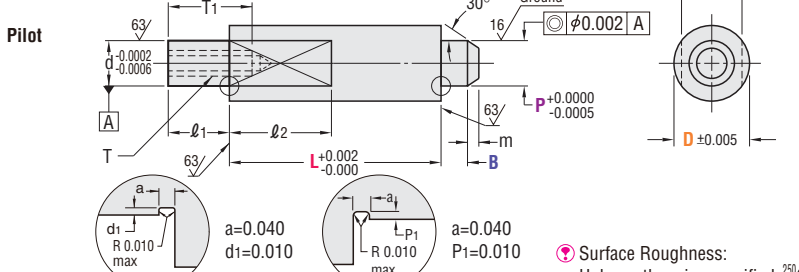
Material	Surface Treatment	Hardness	Type	
			Tapped	Pilot
1045 Steel	Black Oxide	-	U-SHPAB	U-SHPBB
304 Stainless Steel	-	45-50HRC	U-SHPAHB	U-SHPBHB
			U-SHPASU	U-SHPBSU

Material Characteristics **P.628, 629**

Tapped



Pilot



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 $R_{a} 0.010$ max.

Tapped

Part No.	Choose in 0.0005" Increments			B Selection			m	T (Thread)			T ₁	l ₂	W
	Type	Callout	Nominal	L	P	Size		Thread Dia.	Size	Thread Dia.			
U-SHPAB U-SHPAHB U-SHPASU	0.25	1/4	0.3750 ~ 2.0000	0.1250 ~ 0.1565	0.125	0.188	0.250	0.047	#5-40	0.125	0.19	0.31	0.219
	0.31	5/16	0.3750 ~ 2.0000	0.1250 ~ 0.2500	0.125	0.188	0.250	0.047	#5-40	0.125	0.19	0.31	0.250
	0.38	3/8	0.7500 ~ 3.0000	0.1560 ~ 0.2500	0.125	0.188	0.250	0.094	#5-40	0.125	0.19	0.38	0.313
	0.50	1/2	0.7500 ~ 3.0000	0.1560 ~ 0.3125	0.125	0.188	0.250	0.094	#10-32	0.190	0.29	0.38	0.438
	0.63	5/8	0.7500 ~ 3.0000	0.1875 ~ 0.3750	0.125	0.188	0.250	0.125	#10-32	0.190	0.29	0.38	0.500
	0.75	3/4	1.0000 ~ 3.0000	0.1875 ~ 0.3750	0.125	0.188	0.250	0.125	5/16-18	0.313	0.47	0.38	0.625

Pilot

Part No.	Choose in 0.0005" Increments			B Selection			m	d	T (Thread)			T ₁	l ₁	W	l ₂
	Type	Callout	Nominal	L	P	Size			Thread Dia.	Size	Thread Dia.				
U-SHPBB U-SHPBHB U-SHPBSU	0.38	3/8	0.7500 ~ 3.0000	0.1560 ~ 0.2500	0.125	0.188	0.250	0.094	0.2500	#5-40	0.125	0.19	0.188	0.313	0.38
	0.50	1/2	0.7500 ~ 3.0000	0.1560 ~ 0.3125	0.125	0.188	0.250	0.094	0.3125	#10-32	0.190	0.29	0.188	0.438	0.38
	0.63	5/8	0.7500 ~ 3.0000	0.1875 ~ 0.3750	0.125	0.188	0.250	0.125	0.3750	#10-32	0.190	0.29	0.313	0.500	0.38
	0.75	3/4	1.0000 ~ 3.0000	0.1875 ~ 0.3750	0.125	0.188	0.250	0.125	0.5000	5/16-18	0.313	0.47	0.313	0.625	0.38

Order Example: Part No. **L** - **P** - **B**
Type **D**

Days to Ship: **8** Days (Non-Returnable **P.30**)

Price: U-SHPAB 0.25 - L 0.3750 - P 0.1250 - B 0.250


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**

\$ Unit Price (Qty. 1-4)

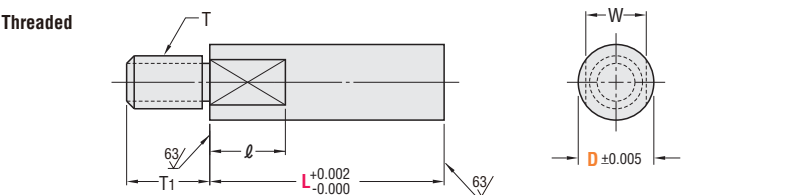
D	Tapped			Pilot		
	U-SHPAB	U-SHPAHB	U-SHPASU	U-SHPBB	U-SHPBHB	U-SHPBSU
0.25	9.50	12.10	14.40	-	-	-
0.31	10.00	12.70	15.10	-	-	-
0.38	10.20	12.90	15.40	10.20	13.10	15.70
0.50	10.70	13.60	15.90	11.50	14.70	17.30
0.63	11.20	14.30	16.70	12.10	15.40	18.20
0.75	12.30	15.60	18.30	13.20	16.90	19.90



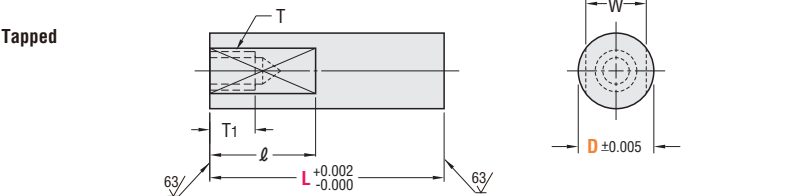
Material	Surface Treatment	Hardness	Type	
			Threaded	Tapped
1045 Steel	Black Oxide	-	U-STPAB	U-STPBB
304 Stainless Steel	-	45-50HRC	U-STPAHB	U-STPBHB
			U-STPASU	U-STPBSU

Material Characteristics **P.628, 629**

Threaded



Tapped



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 $R_{a} 0.010$ max.

Part No.	Choose in 0.0005" Increments		T (Thread)		T ₁	W	l	
	Type	D	Size	Thread Dia.				
U-STPAB U-STPAHB U-STPASU	U-STPBB U-STPBHB U-STPBSU	0.25	1/4	0.5000 ~ 2.0000	#5-40	0.125	0.19	0.31
		0.31	5/16	0.6250 ~ 2.0000	#10-32	0.190	0.29	0.250
		0.38	3/8	0.7500 ~ 3.0000	#10-32	0.190	0.29	0.313
		0.50	1/2	0.7500 ~ 3.0000	#10-32	0.190	0.29	0.438
		0.63	5/8	0.9375 ~ 3.0000	5/16-18	0.313	0.47	0.500
		0.75	3/4	0.9375 ~ 3.0000	5/16-18	0.313	0.47	0.625

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

Part No. **L**

Type **D**

U-STPAB 0.25 - L 0.7500

Days to Ship: **8** Days (Non-Returnable **P.30**)

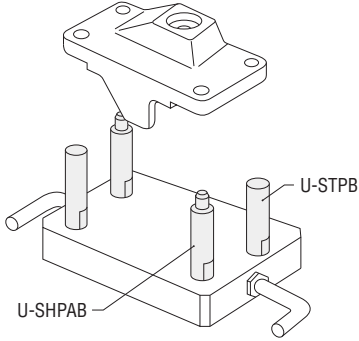
Price: **Quantity Discount Rate**

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**

\$ Unit Price (Qty. 1-4)

D	Threaded			Tapped		
	U-STPAB	U-STPAHB	U-STPASU	U-STPBB	U-STPBHB	U-STPBSU
0.25	6.70	8.50	10.10	7.10	9.20	11.00
0.31	6.90	8.70	10.40	7.40	9.50	11.30
0.38	7.20	9.00	10.60	7.70	9.70	11.50
0.50	7.50	9.30	10.90	7.90	10.00	11.80
0.63	8.10	9.90	11.50	8.60	10.60	12.40
0.75	8.90	10.70	12.40	9.40	11.40	13.20



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