




# Locating Pins –Small Diameter–

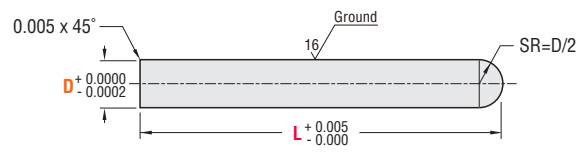
 Small Diameter Locating Pins are designed to work with miniature components. Choose between the straight, stepped small head and the plastic (with a stainless steel core). View the application examples at the bottom of next page.

### ■ Straight



Material	Hardness	Part No.
High Carbon Steel Wire Rod JIS SWRH42A	50-58HRC	<b>U-SPST</b>
304 Stainless Steel	-	<b>U-SPSS</b>


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 


### ■ Straight

Part No.	D Choose in 0.001" Increments	L Choose in 0.01" Increments	\$ Unit Price (Qty. 1~4)	
			U-SPST	U-SPSS
<b>U-SPST</b> <b>U-SPSS</b>	<b>0.063 ~ 0.094</b>	<b>0.19 ~ 1.00</b>	7.50	10.50
	<b>0.095 ~ 0.117</b>	<b>0.19 ~ 1.00</b>	5.00	7.00


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

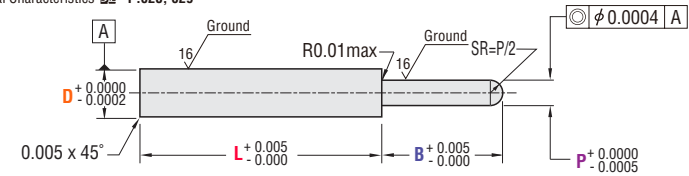
Part No. — **D** — **L**  
**U-SPST** — **D 0.078** — **L 0.75**

### ■ Small Head



Material	Hardness	Part No.
High Carbon Steel Wire Rod JIS SWRH42A	50-58HRC	<b>U-SPSHT</b>
304 Stainless Steel	-	<b>U-SPSHS</b>


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 


### ■ Small Head

Part No.	D Choose in 0.001" Increments	L Choose in 0.01" Increments	P Choose in 0.001" Increments	B Choose in 0.01" Increments	\$ Unit Price (Qty. 1~4)	
					U-SPSHT	U-SPSHS
<b>U-SPSHT</b> <b>U-SPSHS</b>	<b>0.063 ~ 0.094</b>	<b>0.19 ~ 0.75</b>	<b>0.036 ~ 0.075</b>	<b>0.06 ~ 0.19</b>	15.00	19.50
	<b>0.095 ~ 0.117</b>	<b>0.19 ~ 0.75</b>	<b>0.076 ~ 0.109</b>	<b>0.06 ~ 0.38</b>	10.00	13.00


 Order Example  The part number consists only of the fields with blue characters. Selection Criteria:  D > P  B-P/2 ≥ 0.05

Part No. — **D** — **L** — **P** — **B**  
**U-SPSHT** — **D 0.063** — **L 0.25** — **P 0.047** — **B 0.19**

 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


### ■ Features of JIS SWRH42A

Made of high strength spring steel specified in JIS G 3506.  
<Anti-Bend Test Data>


Material	Hardness (HRC)	Bend Yielding Point Strength lbs	Conditions at Yield
JIS SWRH42A	50~58	79	Break
304 Stainless Steel	—	20	Bend
H13 Tool Steel	50~55	63	Bend
JIS SKH61	58~60	86	Break

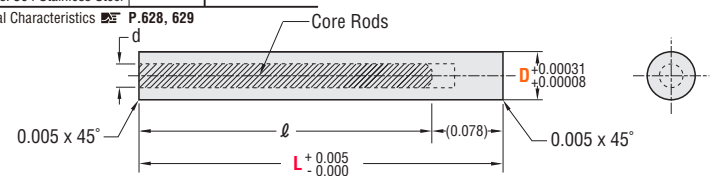
\*Test Method JIS Z 2203-compliant (a test specimen is φ0.078).  
\*The values in the table are reference values and are not guaranteed.

### ■ Plastic



Material	Hardness	Part No.
Main Body: Phenolic (Black) Core Rods: 304 Stainless Steel	-	<b>U-SPSBB</b>
Main Body: Polyacetal (White) Core Rods: 304 Stainless Steel	-	<b>U-SPSPM</b>


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 

D dimension is measured at room temperature (68°F/20°C).

### ■ Plastic

Part No.	D Choose in 0.001" Increments	L Choose in 0.01" Increments	d	ℓ	\$ Unit Price (Qty. 1~4)	
					U-SPSBB	U-SPSPM
<b>U-SPSBB</b> <b>U-SPSPM</b>	<b>0.063 ~ 0.094</b>	<b>0.19 ~ 0.75</b>	0.028	L-0.078	15.00	12.00
	<b>0.095 ~ 0.117</b>	<b>0.19 ~ 0.75</b>	0.039	L-0.078	10.00	8.00

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

Part No. — **D** — **L**  
**U-SPSBB** — **D 0.063** — **L 0.75**

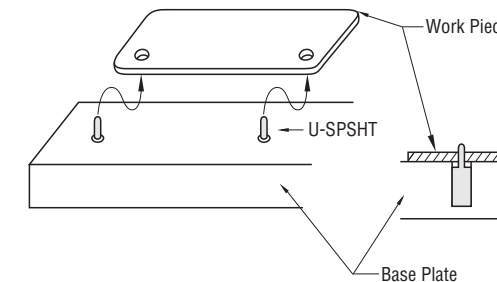
 Days to Ship **8** Days  
 Non-Returnable  P.30

 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

 Example



### ■ Features of Plastic

Hard to break due to metal core rod.  
 Characteristic values of resin P.630