

# Absorbing Pusher Pins / Slide Pushers

**Feature:** Absorbs thrust force when attached to the tip of cylinder, holding the workpiece without damaging it.

**Absorbing Pusher Pins**

| Type        | Pin               |          |                   | Body              |          |                   | Oil Free Bushing | Spring                   |
|-------------|-------------------|----------|-------------------|-------------------|----------|-------------------|------------------|--------------------------|
|             | Material          | Hardness | Surface Treatment | Material          | Hardness | Surface Treatment |                  |                          |
| <b>BFPP</b> | 1144 Carbon Steel | 23~30HRC | Black Oxide       | 1144 Carbon Steel | 23~30HRC | Black Oxide       | PTFE             | Spring Steel (ASTM A228) |

| Load (N) | No.8<br>No.10<br>No.14 | Spring   |  |
|----------|------------------------|--|--|
|          |                        | S (Soft)<br>Set (Stroke 0)<br>max. (Stroke max.) | H (Hard)<br>Set (Stroke 0)<br>max. (Stroke max.) |
|          |                        | 2.0  | 7.0  |
|          |                        | 4.5  | 10.5   |
|          |                        | 7.5  | 15.5   |
|          |                        | 4.0  | 14.0   |
|          |                        | 9.0  | 21.0   |
|          |                        | 15.0   | 31.0   |

Values of applicable cylinder tube I.D. are for reference. Check for specifications of cylinder.

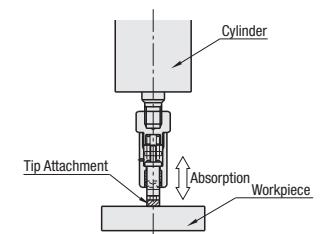
| Part Number |                          | No.       | D  | P  | S | (L)  | L1 | L2   | L3   | W1 | W2 | M1 (Coarse) | x1 | x2  | B  | M2        | Applicable Cylinder Tube I.D. | Unit Price |
|-------------|--------------------------|-----------|----|----|---|------|----|------|------|----|----|-------------|----|-----|----|-----------|-------------------------------|------------|
| Type        | Spring                   |           |    |    |   |      |    |      |      |    |    |             |    |     |    |           |                               |            |
| <b>BFPP</b> | <b>S</b><br>(Light Load) | <b>8</b>  | 13 | 6  | 5 | 45   | 9  | 26   | 10   | 11 | 5  | M3          | 5  | 6   | 14 | M8xP1.25  | Ø20                           |            |
|             | <b>H</b><br>(Heavy Load) | <b>10</b> | 16 | 8  | 6 | 53.5 | 10 | 31   | 12.5 | 14 | 7  | M4          | 6  | 7.5 | 17 | M10xP1.25 | Ø25                           |            |
|             | <b>H</b><br>(Heavy Load) | <b>14</b> | 22 | 12 | 8 | 78   | 15 | 45.5 | 17.5 | 21 | 10 | M6          | 8  | 10  | 22 | M14xP1.50 | Ø40                           |            |

Ordering Example: Part Number **BFPP-S-10**

Days to Ship: [Configure Online](#)

Price: [Configure Online](#)

**ex** Example: Use tip attachments suitable for shape and material of workpiece. Inner screw absorbs thrust force, holding the workpiece without damaging it.



**Feature:** Clamps a workpiece from the side by spring force.

**Slide Pushers**

| Type        | Body, Slide Bar     |                   | Spring              | Shaft               | Knob                | Screw               |
|-------------|---------------------|-------------------|---------------------|---------------------|---------------------|---------------------|
|             | Material            | Surface Treatment |                     |                     |                     |                     |
| <b>SLDP</b> | 6061 Aluminum Alloy | Clear Anodize     | 304 Stainless Steel | 303 Stainless Steel | 303 Stainless Steel | 304 Stainless Steel |

Tip attachments are not included. Use tip attachments suitable for shape and material of workpiece.

**How to Use**  
Slide bar is retracted by pulling the knob, then leaps by spring force.

| Part Number | Spring                   | Load (N) |      | Unit Price 1~9 pc(s). | Volume Discount Rate 10~20 pcs. |
|-------------|--------------------------|----------|------|-----------------------|---------------------------------|
|             |                          | min.     | max. |                       |                                 |
| <b>SLDP</b> | <b>S</b><br>(Light Load) | 1.5      | 6.4  |                       |                                 |
|             | <b>H</b><br>(Heavy Load) | 4.9      | 14.7 |                       |                                 |

Ordering Example: Part Number **SLDP-S**

Days to Ship: [Configure Online](#)

**ex** Example: For orders larger than indicated quantity, please request a quotation. Use tip attachments suitable for shape and material of workpiece. Clamps a workpiece from the side by spring force.

