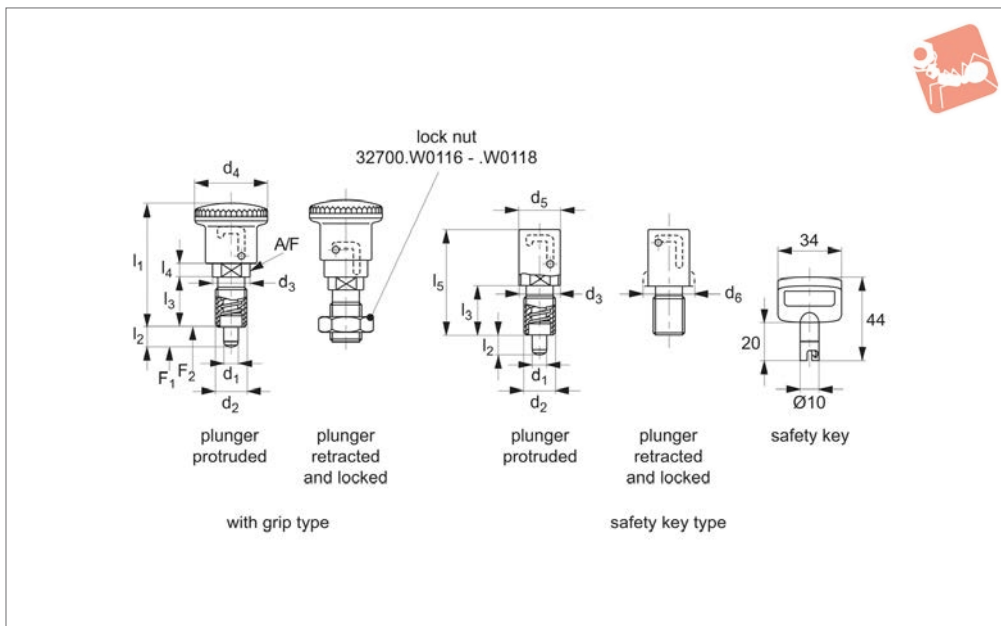




# Index plungers - Pull Grip

locking - tamper resistant - pin protruding at start

# Index Plunger & Pins



**32781**

INDEX PLUNGER & PINS

### Material

Body: free cutting steel, zinc plated, blue passivated.

Pin: stainless steel, 1.4305 (AISI 303).

Spring: stainless steel, 1.4310 (AISI 301).

Grip: thermoplastic PA6, black.

### Technical Notes

Tamper resistant against unauthorised or accidental actuation.

**At start position pin is protruding, when lever is actuated pin retracts.**

Two different types available;

**with grip** - enables pin to be held in retracted/non projecting position; pull back grip, turn 90° to engage ,locking' via a deep notch in plunger body.

**with safety key** - use key to hold pin in retracted/non-projecting position; acuate

key (please order seperately) turn 90° to engage ,locking via a deep notch in plunger body.

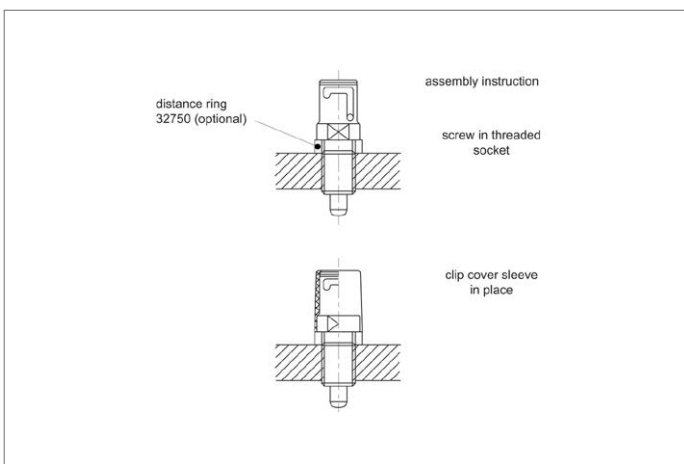
**Lock nuts sold separately** See products 65690 and 65692

### Tips

Grip non-removable.

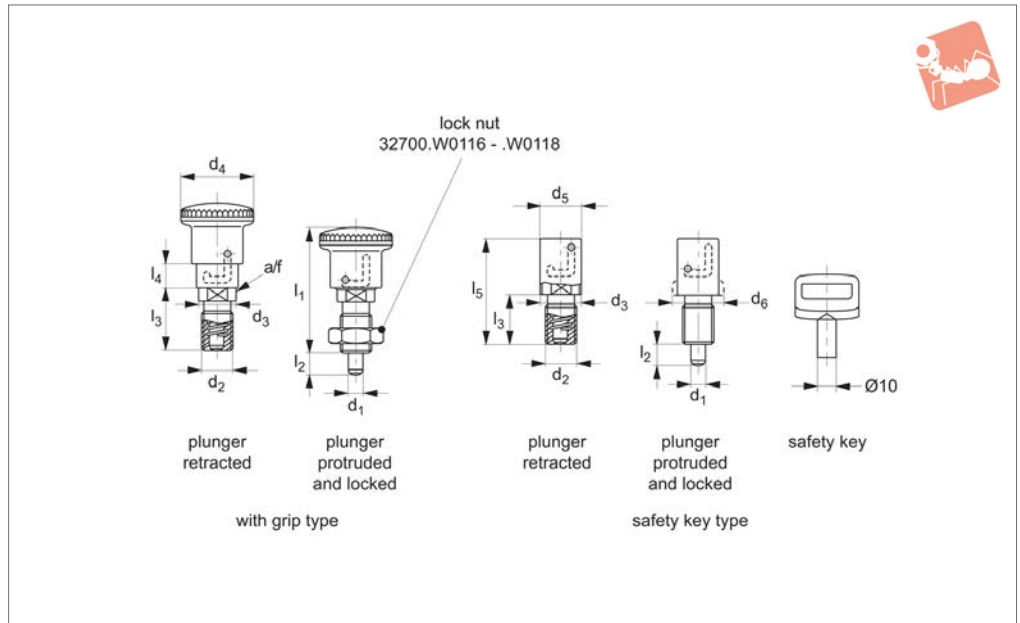
Spring loads\* = statistical average.

| Order No.          | Type           | d <sub>1</sub><br>0 -0.05 | d <sub>2</sub> | d <sub>3</sub> | d <sub>4</sub> | d <sub>5</sub> | d <sub>6</sub> | l <sub>1</sub><br>≈ | l <sub>2</sub> | l <sub>3</sub> | l <sub>4</sub><br>≈ | l <sub>5</sub> | A/F | Spring load F <sub>1</sub><br>N<br>≈ | Spring load F <sub>2</sub><br>N<br>≈ | Weight<br>kg |
|--------------------|----------------|---------------------------|----------------|----------------|----------------|----------------|----------------|---------------------|----------------|----------------|---------------------|----------------|-----|--------------------------------------|--------------------------------------|--------------|
| <b>32781.W0006</b> | With Grip      | 6                         | M12x1,5        | 16             | 28             | 17             |                | 50                  | 8              | 20             | 6                   | 43             | 14  | 13                                   | 28                                   | 0,05         |
| <b>32781.W0008</b> | With Grip      | 8                         | M16x1,5        | 18             | 28             | 17             | 20             | 52                  | 10             | 22             | 6                   | 48             | 16  | 14                                   | 38                                   | 0,05         |
| <b>32781.W0026</b> | For Safety key | 6                         | M12x1,5        | 16             | 28             | 17             |                | 50                  | 8              | 20             | 6                   | 43             | 14  | 13                                   | 28                                   | 0,03         |
| <b>32781.W0028</b> | For Safety key | 8                         | M16x1,5        | 18             | 28             | 17             | 20             | 52                  | 10             | 22             | 6                   | 48             | 16  | 14                                   | 38                                   | 0,05         |
| <b>32781.W0998</b> | Safety key     |                           |                |                |                |                |                |                     |                |                |                     |                |     |                                      |                                      |              |





## 32782



### Material

Body: free cutting steel, zinc plated, blue passivated.

Pin: stainless steel, 1.4305 (AISI 303).

Spring: stainless steel, 1.4301 (AISI301).

Grip: thermoplastic PA6, black.

### Technical Notes

Tamper resistant against unauthorised or accidental actuation.

**At start position pin is retracted, when lever is actuated pin protrudes.**

Two different types available;

**with grip** - use key to hold pin in protruding position; pull back grip, turn 90° to engage ,locking' via a deep notch in plunger body.

**with safety key** - use key to hold pin in

protruding position; acuate key (please order seperately) turn 90° to engage ,locking via a deep notch in plunger body.

**Lock nuts sold separately** See products 65690 and 65692

### Tips

Grip non-removable.

Spring loads\* = statistical average.

| Order No.   | Type           | d <sub>1</sub><br>0 -0.05 | d <sub>2</sub> | d <sub>3</sub> | d <sub>4</sub> | d <sub>5</sub> | Weight<br>kg |
|-------------|----------------|---------------------------|----------------|----------------|----------------|----------------|--------------|
| 32782.W0356 | With Grip      | 6                         | M12x1,5        | 16             | 28             | 17             | 0.05         |
| 32782.W0358 | With Grip      | 8                         | M16x1,5        | 18             | 28             | 17             | 0.05         |
| 32782.W0366 | For Safety Key | 6                         | M12x1,5        | 16             | 28             | 17             | 0.05         |
| 32782.W0368 | For Safety Key | 8                         | M16x1,5        | 18             | 28             | 17             | 0.05         |
| 32782.W0999 | Key            | -                         | -              | -              | -              | -              | -            |

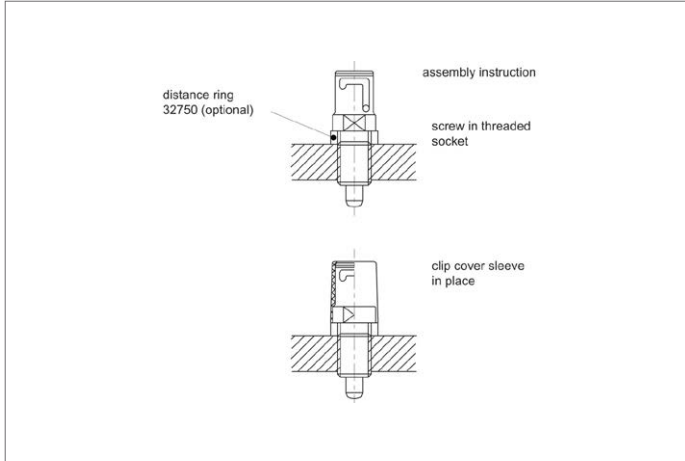
| Order No.   | d <sub>6</sub> | l <sub>1</sub><br>≈ | l <sub>2</sub> | l <sub>3</sub> | l <sub>4</sub><br>≈ | l <sub>5</sub> | A/F | Spring load F <sub>1</sub><br>N<br>≈ | Spring load F <sub>2</sub><br>N<br>≈ |
|-------------|----------------|---------------------|----------------|----------------|---------------------|----------------|-----|--------------------------------------|--------------------------------------|
| 32782.W0356 | -              | 51.5                | 8              | 20             | 6                   | 43             | 14  | 12                                   | 27                                   |
| 32782.W0358 | 20             | 54.5                | 10             | 22             | 6                   | 48             | 16  | 12                                   | 35                                   |
| 32782.W0366 | -              | 51.5                | 8              | 20             | 6                   | 43             | 14  | 12                                   | 27                                   |
| 32782.W0368 | 20             | 54.5                | 10             | 22             | 6                   | 48             | 16  | 12                                   | 35                                   |
| 32782.W0999 | -              | -                   | -              | -              | -                   | -              | -   | -                                    | -                                    |



# Index plungers - Pull Grip

locking - tamper resistant - pin retracted at start

## Index Plunger & Pins





## A Wide Selection of Solutions

### Applications

- Locating and positioning.
- Indexing.
- Securing.
- Positive locking.
- Rapid adjustment of all kinds of tables, platforms and fixtures.
- Machine and fixture design.
- OEM products.
- Sports equipment.
- Medical aides (wheelchairs etc.).
- Aerospace.
- Machine cabinets.

### Materials



Steel with plastic grip



Stainless with plastic grip



Stainless body and grip

### Locking or Non Locking



Locking (park)



Non locking (spring back)



Push pull

### Handling and Actuation Methods



Standard grip



Lever grip



T-handle



Pull ring



Threaded for bespoke handle

### Mounting Options



Fine threaded (standard)



Coarse thread



Flange mount



Thin wall mount



Weldable

### Additional Technical Notes

- Unless otherwise stated, grips on index plungers are not removable.
- Many of the pins on index plungers are toleranced to either the pin or the hole. Please refer to the specific product table.
- Index plungers are not recommended for shear load applications.

|   | Pin Tol.       | Hole Tol.      |
|---|----------------|----------------|
| ① | $h_9$          | +0,03<br>+0,08 |
| ② | -0,02<br>-0,04 | $H_7$          |

### Spring Loads

- s** Stroke, or movement of plunger's pin.
- f<sub>1</sub>** The force required in Newtons (N) to overcome the static strength of the spring and achieve initial movement of the plunger's pin.
- f<sub>2</sub>** The force required in Newtons (N) to fully compress the spring until the pin is fully depressed against the plunger's body.

