

32480

INDEX PLUNGER & PINS

Material

Pin, body & bush: case hardened steel, blackened and ground.
Grip: thermoplastic, black.

Technical Notes

Supplied part assembled to enable precise setting, grip and body must be glued after

mounting. Non removable once installed.

„**Locking**“ type - enable pin to be held in retracted/non-projecting position; pull back grip, turn 90° to engage ‚locking‘ on a notched catch.

„**Non Locking**“ type - pin simply springs

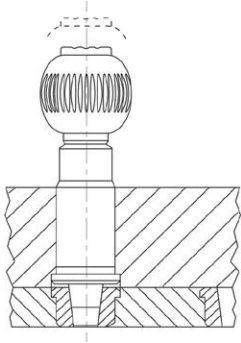
back when grip released.

Tips

When used for alignment of two sub-plates, the plunger's precise finish on pin allows easier alignment of pin and bushing.

Spring loads * = statistical average.

| Order No. | Type | Dia. Ø nom. | d ₁ | d ₂ | d ₃ tol. n6 | d ₄ | d ₅ | l ₁ min. | l ₂ | l ₃ | l ₄ | l ₅ | l ₆ | Spring load F ₁ N ≈ | Spring load F ₂ N ≈ | Weight g |
|-------------|--------------|-------------|----------------|----------------|------------------------|----------------|----------------|---------------------|----------------|----------------|----------------|----------------|----------------|--------------------------------|--------------------------------|----------|
| 32480.W0110 | Non Locking | 10 | 10,00 | 19 | 16 | 25 | M 6 | 6 | 2,5 | 31 | 13 | 25,0 | | 19 | 29 | 78 |
| 32480.W0112 | Non Locking | 12 | 12,00 | 23 | 20 | 32 | M 8 | 6 | 3,0 | 35 | 13 | 33,0 | | 22 | 35 | 135 |
| 32480.W0116 | Non Locking | 16 | 16,00 | 28 | 25 | 40 | M10 | 6 | 3,0 | 42 | 13 | 41,5 | | 30 | 50 | 227 |
| 32480.W0120 | Non Locking | 20 | 20,00 | 33 | 30 | 40 | M10 | 6 | 3,0 | 50 | 13 | 41,5 | | 46 | 63 | 348 |
| 32480.W0125 | Non Locking | 25 | 25,00 | 42 | 38 | 50 | M10 | 6 | 3,0 | 60 | 13 | 51,0 | | 39 | 73 | 654 |
| 32480.W0160 | Locking | 10 | 10,00 | 19 | 16 | 25 | M 6 | 6 | 2,5 | 31 | 13 | 25,0 | 32,5 | 19 | 29 | 78 |
| 32480.W0162 | Locking | 12 | 12,00 | 23 | 20 | 32 | M 8 | 6 | 3,0 | 35 | 13 | 33,0 | 40,5 | 22 | 35 | 135 |
| 32480.W0166 | Locking | 16 | 16,00 | 28 | 25 | 40 | M10 | 6 | 3,0 | 42 | 13 | 41,5 | 49,0 | 30 | 50 | 228 |
| 32480.W0170 | Locking | 20 | 20,00 | 33 | 30 | 40 | M10 | 6 | 3,0 | 50 | 13 | 41,5 | 49,0 | 46 | 63 | 348 |
| 32480.W0175 | Locking | 25 | 25,00 | 42 | 38 | 50 | M10 | 6 | 3,0 | 60 | 13 | 51,0 | 58,5 | 39 | 73 | 651 |
| 32480.W0190 | Tapered Bush | 10 | 7,10 | 19 | 16 | | | 11 | 8,5 | | | | | | | 13 |
| 32480.W0192 | Tapered Bush | 12 | 8,28 | 23 | 20 | | | 13 | 10,0 | | | | | | | 25 |
| 32480.W0193 | Tapered Bush | 16 | 11,52 | 28 | 25 | | | 17 | 14,0 | | | | | | | 47 |
| 32480.W0194 | Tapered Bush | 20 | 15,49 | 33 | 30 | | | 16 | 13,0 | | | | | | | 60 |
| 32480.W0196 | Tapered Bush | 25 | 19,70 | 42 | 38 | | | 19 | 16,0 | | | | | | | 114 |





A Wide Selection of Solutions

- 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.

Applications

Materials

Locking or Non Locking

Handling and Actuation Methods

Mounting Options

Additional Technical Notes

Spring Loads



Steel with plastic grip



Stainless with plastic grip



Stainless body and grip



Locking (park)



Non locking (spring back)



Push pull



Standard grip



Lever grip



T-handle



Pull ring



Threaded for bespoke handle



Fine threaded (standard)



Coarse thread



Flange mount



Thin wall mount



Weldable

- 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 +0,08 |
| ② | -0,02 -0,04 | H_7 |

s Stroke, or movement of plunger's pin.

f₁ The force required in Newtons (N) to overcome the static strength of the spring and achieve initial movement of the plunger's pin.

f₂ The force required in Newtons (N) to fully compress the spring until the pin is fully depressed against the plunger's body.

