Material
Body & Shank: Steel, nickel plated.
Knob: Polyamide, black.
Ball & Spring: Stainless steel.

Technical Notes
One-touch fasteners are the ideal solution for applications requiring rapid and recurring change over of tooling or set ups. Use in applications as diverse as bottling processes, machine covers, changing of cogs and drive belts. One-touch fasteners provide a quick, simple and secure change over solution - no time wasted in unfastening screws or other permanent fixings, and no opportunity for lost fixings in your machinery.

Tips
Used in conjunction with pin 33923. For highly accurate locating, use locating pins 36340 & 36341.

Actuation
- Turn handle to off position, clamping balls are retracted. Engage panel and clamp over clamping pin. Turn handle on to position to clamp.
- To unclamp, reverse steps above.

Order No. | For single panel thickness | For pin Ø | \(d_1\) | \(d_2\) | \(d_3\) | \(d_6\) | \(h_1\) | \(h_2\) | Clamping force N | Shear strength N | Tensile strength N | \(X_g\) |
---|---|---|---|---|---|---|---|---|---|---|---|---|
33927.W1006 | 6-10 | 6 | 14 | 25 | 25 | 21 | 6 | M2x0.4 | 23 | 6.5 | 5.5 | 7 | 1100 | 250 | 35 |
33927.W1408 | 6-14 | 8 | 18 | 34 | 34 | 28 | 8 | M3x0.5 | 28 | 10 | 5.5 | 9 | 1800 | 400 | 85 |

Fitting | Single panel thickness | \(d_7\) | \(d_8\) | \(d_9\) | \(d_{10}\) | \(d_p\) |
---|---|---|---|---|---|---|
33927.W1006 | Flush | 6 | 14 | - | 4.4 | 2.4 | 21 |
33927.W1006 | Recessed | 6 to 10 | 14 | 26 | 4.4 | 2.4 | 21 |
33927.W1408 | Flush | 6 | 18 | - | 6.5 | 3.4 | 28 |
33927.W1408 | Recessed | 6 to 10 | 18 | 35 | 6.5 | 3.4 | 28 |
Operating Principle

Four ball bearings clamp onto the clamping pin, the wedge shape of the pin (33929) draws the panels together during clamping.

Operating Instructions

1. Turn handle to off position to retract the clamping balls. Engage panel and clamp over clamping pin. Turn handle on to position to clamp.

2. To unclamp, reverse steps above.

Warning

Rotation of either sub panel or base panel can result in one touch fastener unclamping. When either panel is at risk of rotating ensure a stop is in place.
Installation Dimensions

Repeatability

For highly accurate locating, use locating components 36340 or 36341. Repeatability of ±0.25 is achievable.

Installation Best Practice

Machining accuracy

Spacing tolerance on both the sub plate and the base plate should be ±0.1.
Changes of guides around star wheels

Applications

Changes of suction grippers for wafer handling

one touch fastener 33929.W1006

pin 33923.W0006

one touch fastener 33929.W1006

pin 33923.W0006

wixroyd.com
One-touch fasteners - alternatives to screws

Installation and removal of conveyor sub assemblies
Changes of star wheels and guide plates
Installation and removal of panels or covers
Change of shooters or production guides

Easy! Secure! For quick changeover with no tools!

0845 26 66 577  info@wixroyd.com
Installation and removal of rotary blades and changes of shooters

One-touch change over

Changes of star wheels and guide plates

Changes of pusher and changes of chuck handling machines