

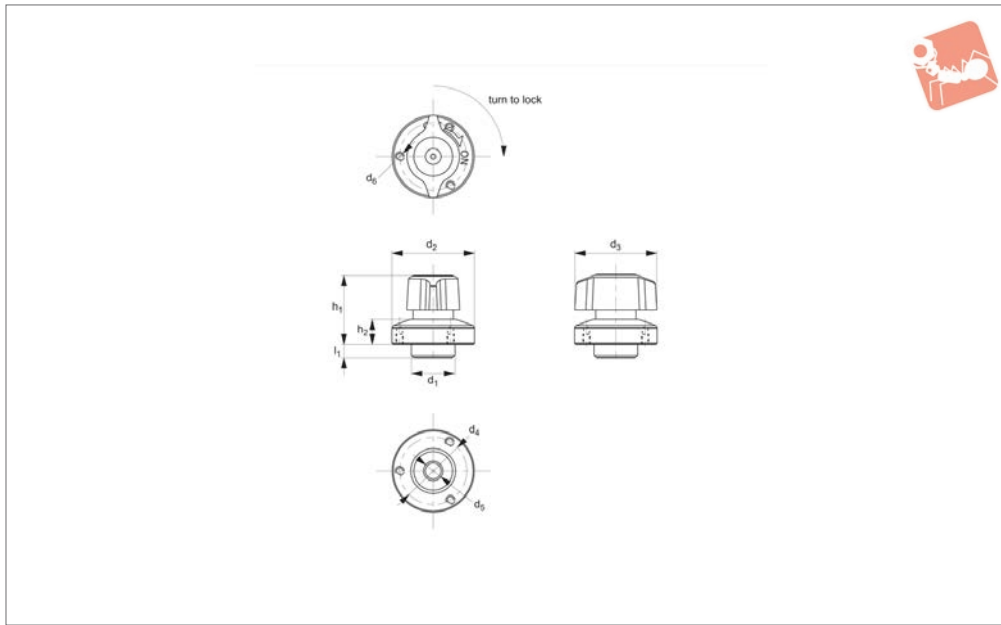


# One-Touch Fastener - Ball Clamping

quarter turn lock - t-handle - stainless steel



## One Touch Fasteners



**33929**

ONE TOUCH FASTENERS

### Material

Body & shank: stainless steel.  
Knob: stainless steel.  
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.

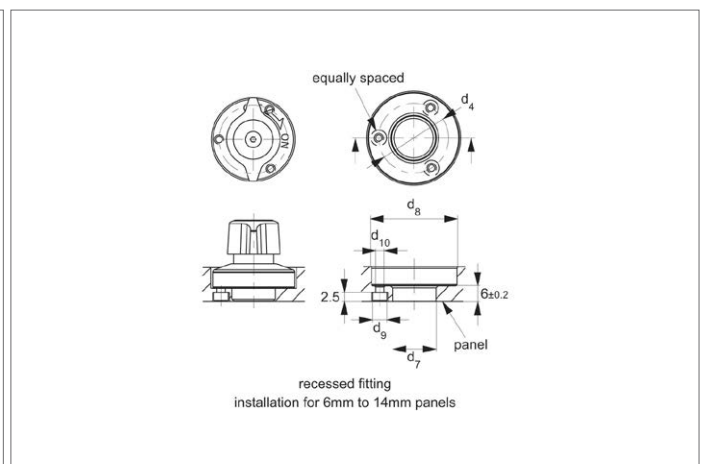
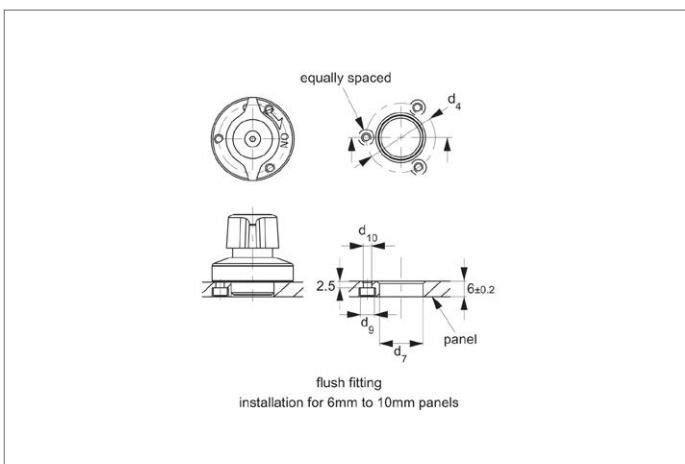
For highly accurate locating, use locating pins 36340 & 36341.

### 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.

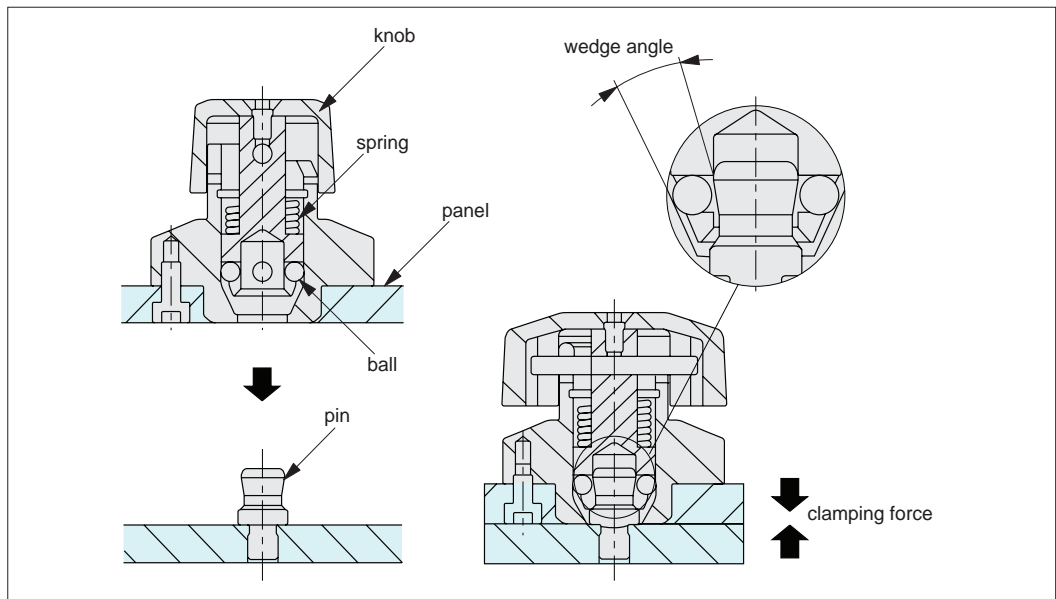
Order No.	For single panel thickness	For pin dia.	d <sub>1</sub> tol. h9	d <sub>2</sub>	d <sub>3</sub>	d <sub>4</sub>	d <sub>5</sub> +0.4  +0.2	d <sub>6</sub>	h <sub>1</sub>	h <sub>2</sub>	l <sub>1</sub>	Clamping force N	Shear strength N	Tensile strength N	Weight g
<b>33929.W1006</b>	6-10	6	14	25	25	21	6	M2x0,4	23	6,5	5,5	7	1100	250	35
<b>33929.W1408</b>	6-14	8	18	34	34	28	8	M3x0,5	28	10,0	5,5	9	1800	400	85





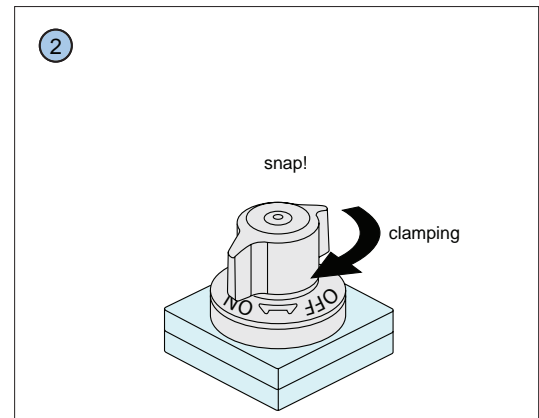
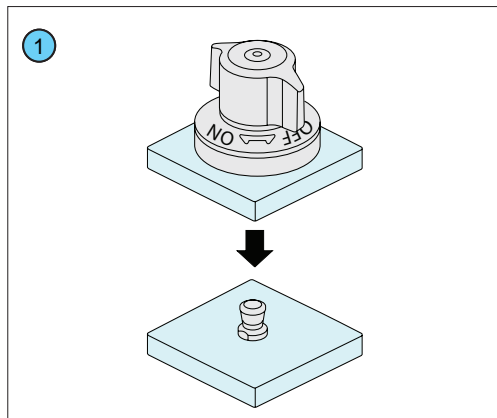
### Operating Principle

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



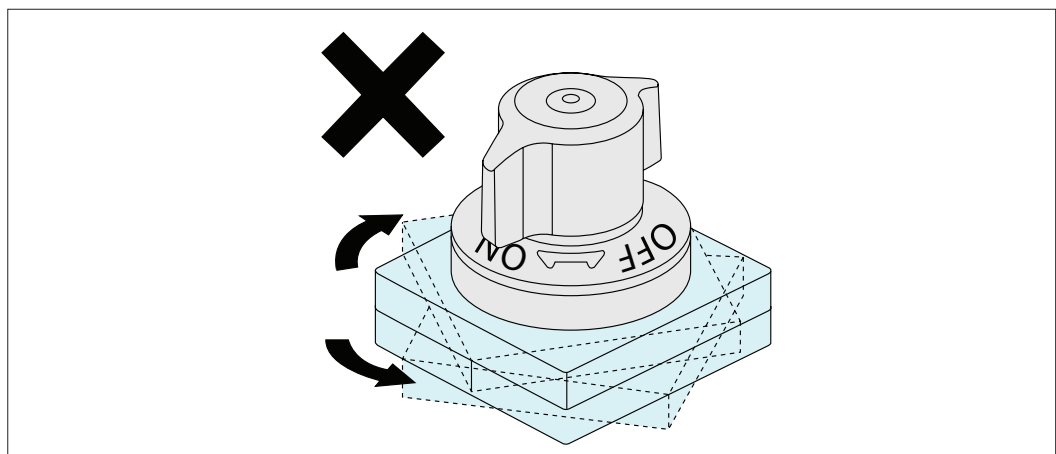
### Operating Instructions

- 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.



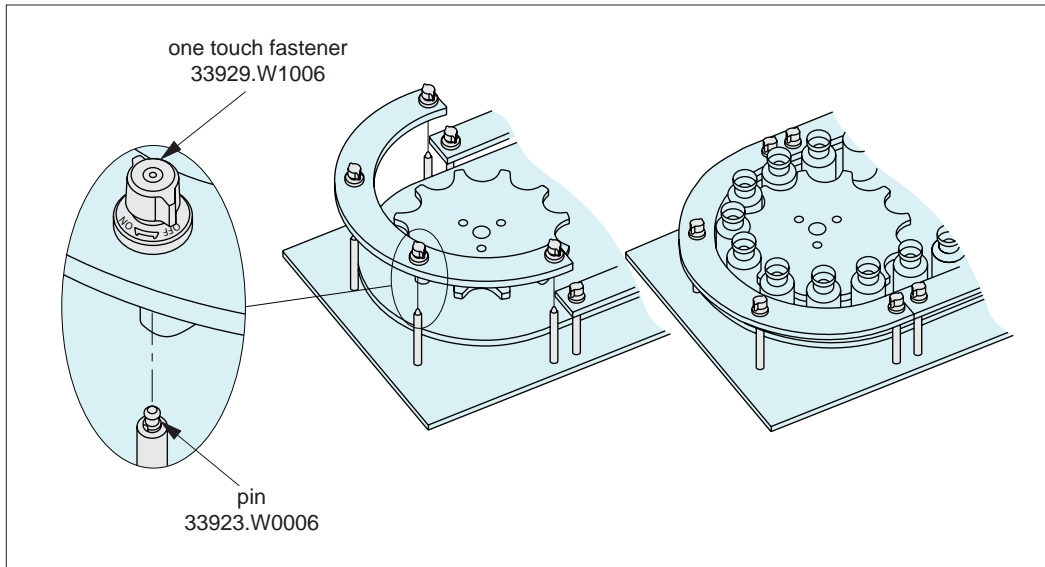
### Warning

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.

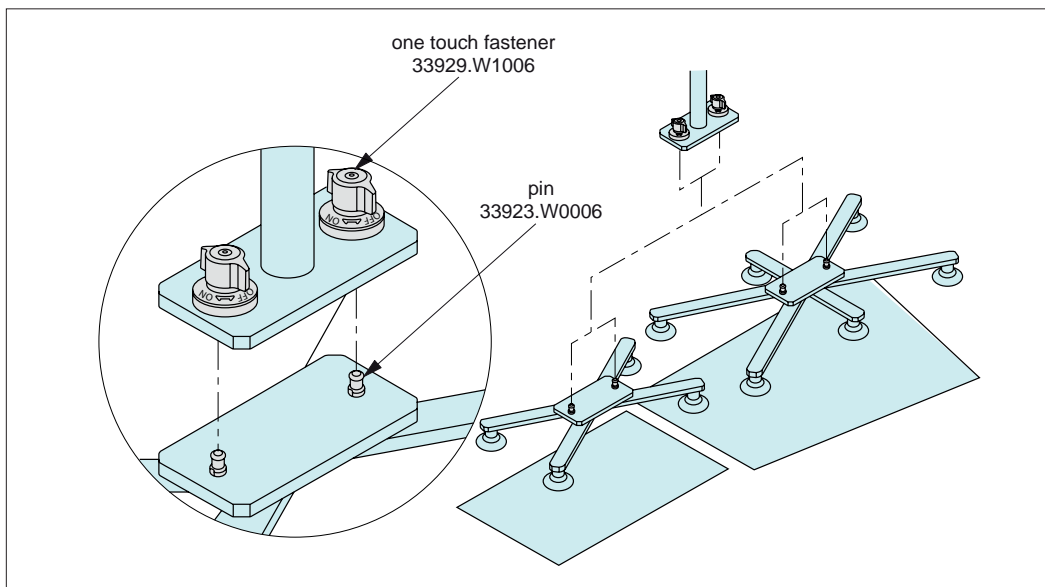




### Applications



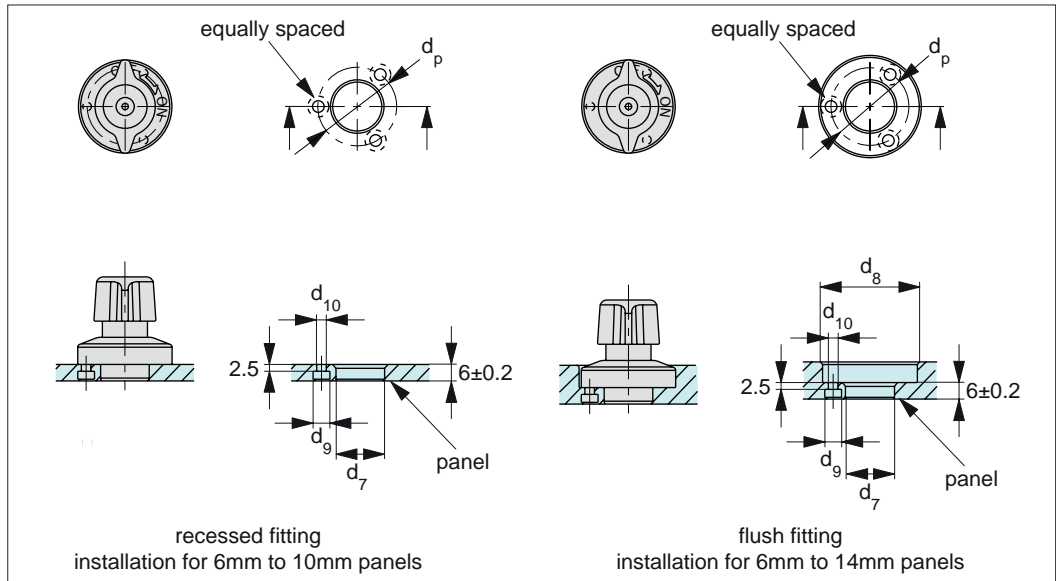
#### Changes of Guides Around Star Wheels



#### Changes of Suction Grippers for Wafer Handling

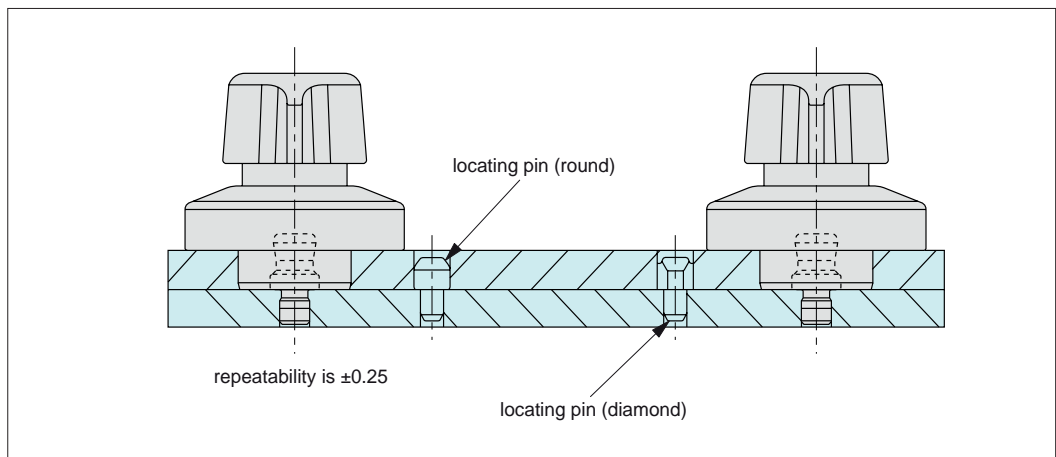


## Installation Dimensions



## Repeatability

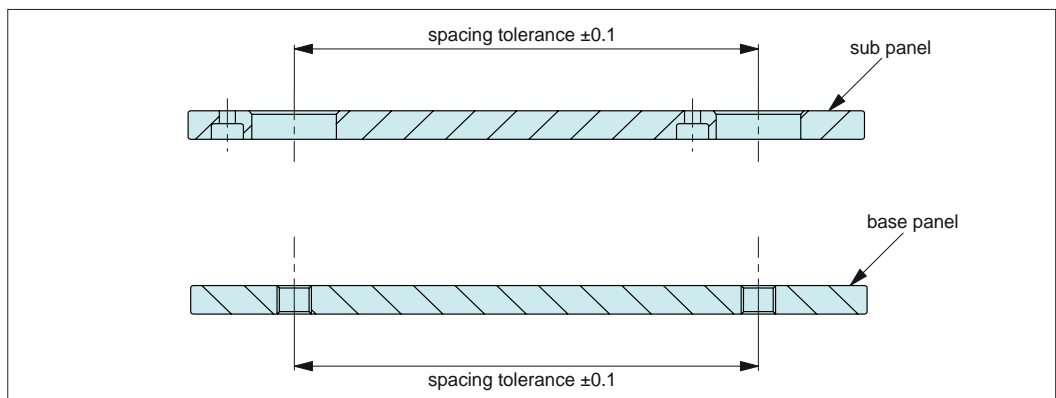
For highly accurate locating, use locating components 36340 or 36341. Repeatability of  $\pm 0.25$  is achievable.



## Installation Best Practice

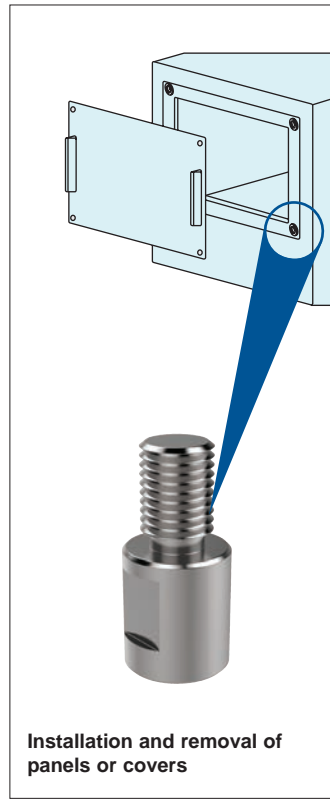
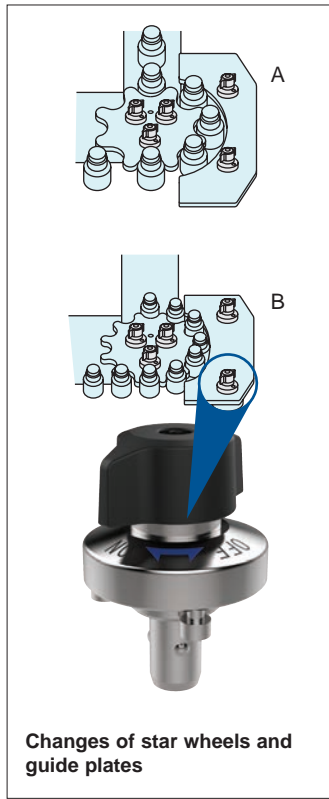
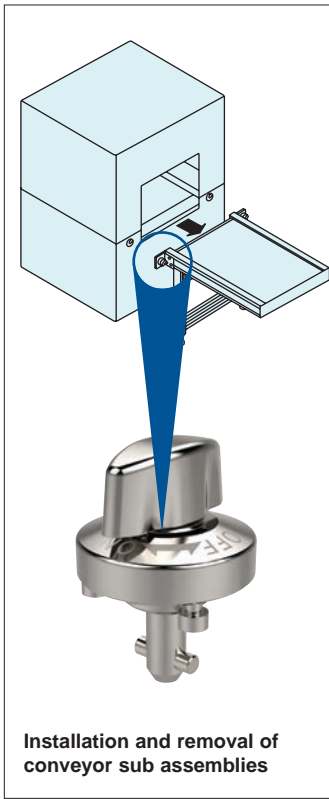
### Machining Accuracy

Spacing tolerance on both the sub plate and the base plate should be  $\pm 0.1$ .





### One-Touch Fasteners - Alternatives to Screws



ONE TOUCH FASTENERS

### Easy & Secure! For Quick Changeover with No Tools!

