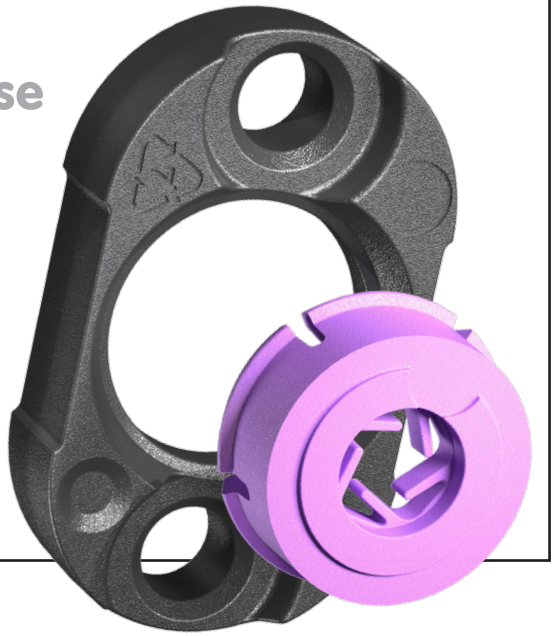
Panel fixing made easy

# Instructions for use
# —Type 3 Flush Fix



## Type 3 Flush button-fix

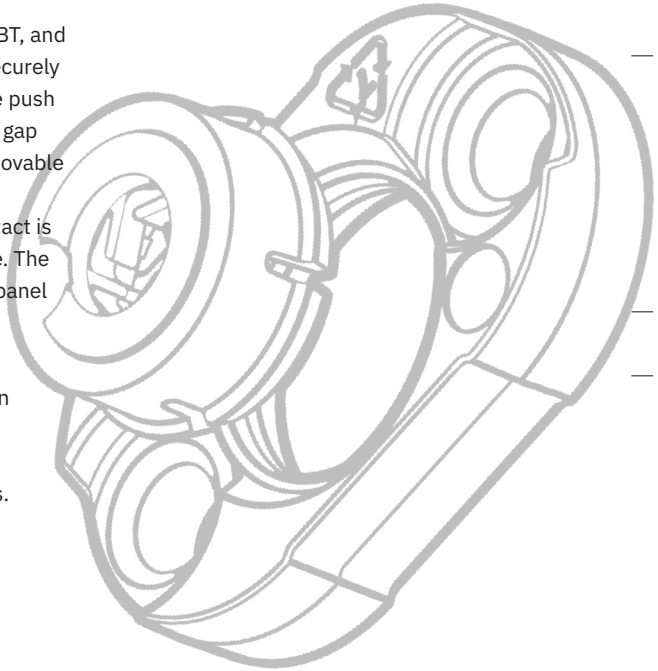
The Button-fix concept is simple: the Fixes are attached to the back of one panel and the mating Buttons are attached to the other. Bring the panels together and push until they ‘click’.

The Type 3 Flush Fix is moulded in PBT, and the Button in durable Acetal. They securely connect parallel panels with a simple push on/pull off engagement, requiring no gap either above or at the side of the removable panel. Type 3 Flush is designed for applications where panel–panel contact is required and fits a simple oval rebate. The Fix can be rebated into the face of a panel of at least 18mm thick.

Visit the website for more information on the complete Button-fix range, including videos of the Type 3 Flush Button-fix in use and CAD downloads.

You can also obtain a new copy of these instructions from the website in the event of loss or in the event that Buttonfix modifies the instructions.

Buttonfix Limited retains the right to modify the instructions as it deems appropriate and the consumer is responsible for checking the website for the latest information.



## Warnings

- Button-fix is intended for furniture construction and interior fittings and is not intended, nor should it be used, for any other purpose.
- **WARNING:** Serious damage to property and severe bodily injury can result from (1) improper use, application or installation of the Button-fix or (2) use as part of improperly designed or constructed assemblies or materials.
- Provided that the screws and substrate are properly matched, and all other instructions complied with, independent tests showed that a vertical panel fixed with four Type 3 Fixes can support loads weighing up to a maximum of 60kg (132 lbs). For critical applications it is essential to perform your own tests.
- Avoid any contact with aggressive solvents and cleaning products.
- It is not possible for Buttonfix to warn the consumer about every possible danger related to use of the Button-fix and the consumer must use his or her own good judgment when installing and using Button-fix.

## The fix

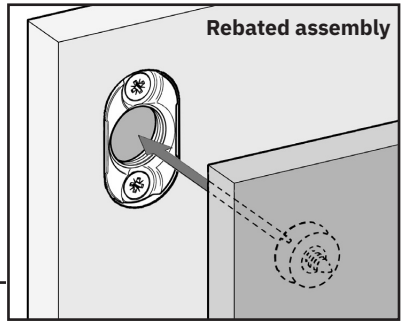
Type 3 Flush Button-fix connects parallel panels with a straight push on/pull off action. Ideal for installations where the panel geometry does not suit the sliding engagement of the Type 1 fasteners and where there is no clearance around the panel.

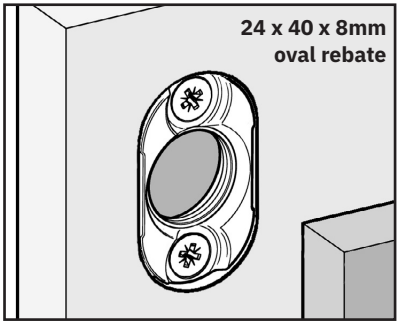
**Face-rebated fix**

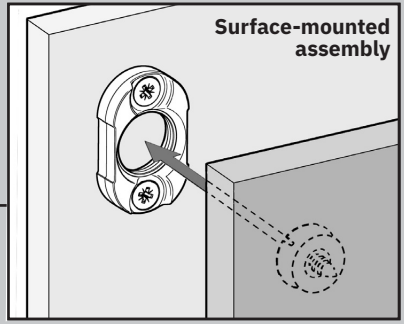
The Fix may be rebated into the face of a panel of at least 18mm thickness. An oval rebate measuring 24 x 40 x 8mm is required, the same size rebate required for Type 1 (if using the Multijig). **Do not exceed 8mm depth for the rebate!** The Fix may be orientated horizontally or vertically, depending on the application. See the screw fixings guide on page 6.

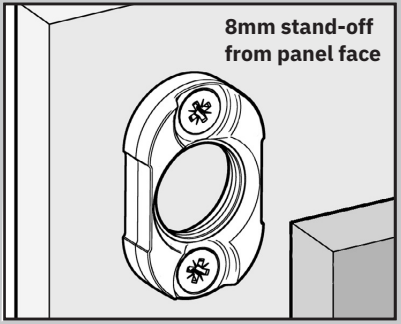
**Surface-mounted Fix**

In some circumstances you may chose not to rebate the Fix, mounting it directly to the surface. This creates an 8mm gap between the panels.



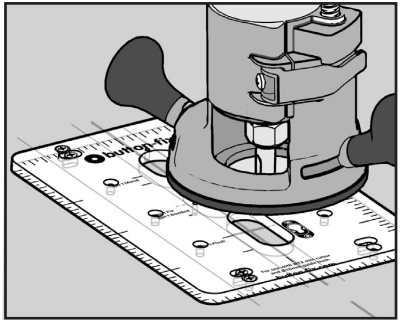



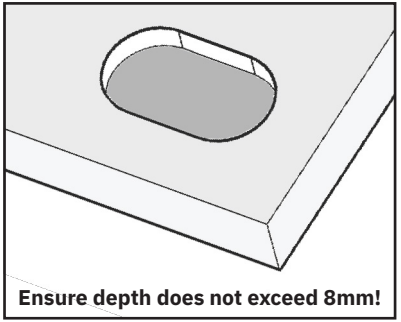




## 'Multijig' router jig accessory

A router jig can be ordered separately for accurately machining the rebate: use the middle 'Type 1' aperture.

The jig is designed for use with a metric 12mm cutter and 16mm guide bush. Read the separate instructions supplied with the accessory before use.





## The button

The fixing hole on the Button has flexible fingers, which centre the fixing screw but allow the Button to ‘float’, to take up any tolerance in the installation. This requires pan head or flange head screws to work effectively and to allow movement (see the screw fixings guide on page 6).

**Do not overtighten the Button screw** —only tighten the screw lightly. We do not recommend countersunk screws for attaching the Button.

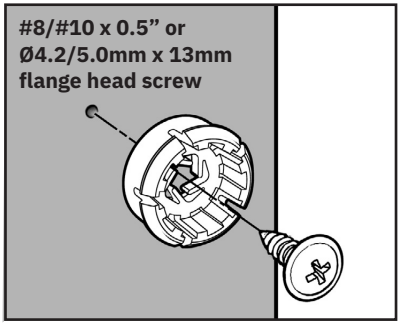
## Button marker accessory

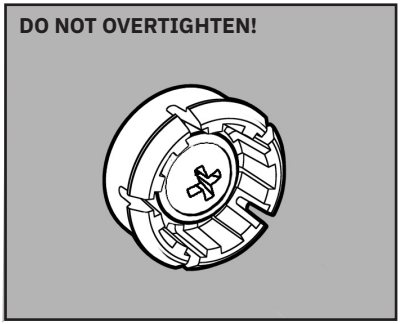
The Button marker accessory helps to mark out where to install the Buttons, without the need for measurement. Type 3 uses the same Button marker as all the Type 1 Fixes.

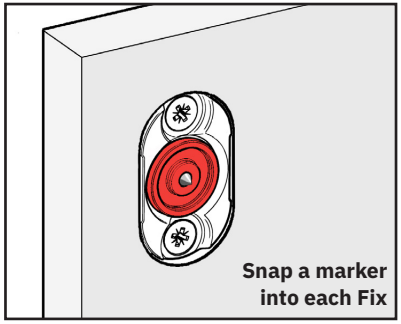
Once you have attached the Fix (see page 3), insert a marker into each one. Then position the second panel and press firmly —the markers will leave indents in the panel surface, which can be used as guides for positioning the Buttons. On surfaces that don’t easily show marks, such as heavily textured or rough surfaces, apply a layer of masking tape or Gaffer tape onto the surface, which will show the indents more clearly.

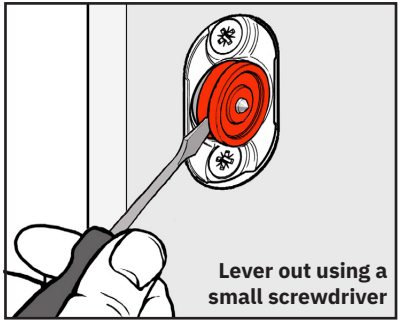
Remove the markers using a small flat-blade screwdriver.

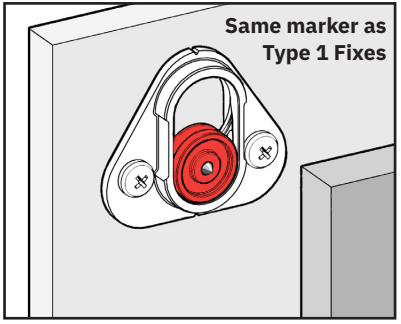
The markers can be re-used to mark out the next panel.



## Suggested layout and loading guide

—**Wall Panels:** As an approximate guide, we suggest that Button-fix centres are no greater than 600mm apart and no closer than 35mm to the edge of the panel.

Four Type 3 Button-fixes can support a wall panel of up to 60kg in normal conditions*. As a general rule, allow for a maximum loading of **15kg per Fix.**

—**Ceiling Panels:** As an approximate guide, we suggest that Button-fix centres are no greater than 400mm apart and no closer than 35mm to the edge of the panel.

Four Type 3 Button-fixes can support a ceiling panel of up to 10kg. As a general rule, allow for a maximum loading of **2.5kg per Fix.**

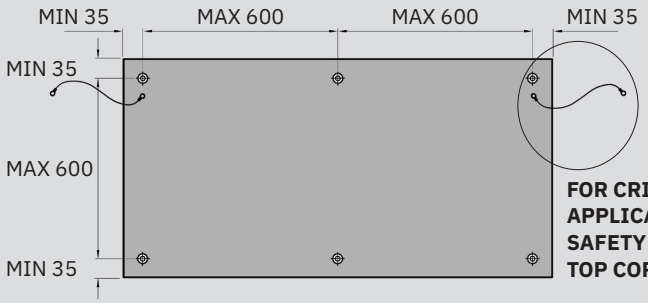
***IMPORTANT:** Any panel that is not vertical and is inclined such that the panel weight acts to disengage the Button-fix should be treated as a 'ceiling panel' for loading/spacing purposes, and the maximum loading reduced to 2.5kg per Button-fix. A maximum distance of 400mm between Button-fix centres is also recommended for maritime/ transport applications.

## Safety cords/chains

For critical applications, such as large panels in public areas, ceiling panels and in maritime/transport interiors, always use safety cords or chains. They should be specified to accommodate the load of the particular panel.

It can be helpful to incorporate a carabiner clip or spring hook on the cord/chain assembly to aid service access.

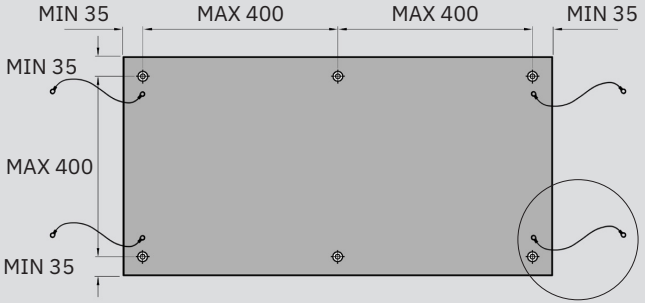
**Typical wall panel layout**




**FOR CRITICAL WALL APPLICATIONS USE A SAFETY CORD AT THE TOP CORNERS**


**Load guide: maximum 15kg per Fix**

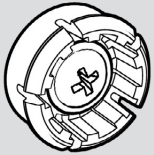
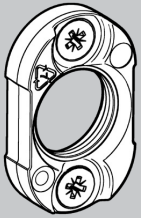
**Typical ceiling panel layout**




**FOR CRITICAL CEILING APPLICATIONS USE A SAFETY CORD AT EACH CORNER**


**Load guide: maximum 2.5kg per Fix**

# Screw fixings guide

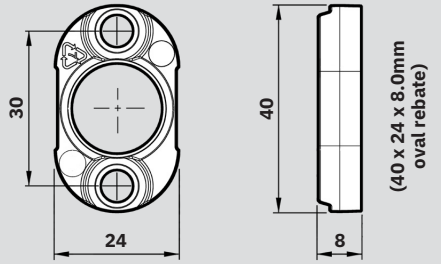
| Product/ configuration | Panel thickness/ material | Screw type | net thread length | Notes |
|---|---|---|---|---|
| **Type 3 Button DO NOT OVER-TIGHTEN SCREW**  | **8 to 10mm thick** Plastic, HPL Plywood, MDF, MFC | #8.16 × 0.375” flange head Plas-60 | 6.3mm | **Sales@intafast.com** Pilot drill Ø3mm in soft materials; Ø3.8mm in HPL and hard plastics) |
| | | #8 (4.2mm) × 0.375” (9.5mm) flange head PZ self-tapping | 6.3mm | **Accu.co.uk** (product code: SPBFT-No.8-3/8-A2) A2 stainless steel |
| | **10 to 17mm thick** Plywood, MDF, MFC | #8 × 0.5” (12.7mm) flange head Easydrive PZ self-tapping | 8.8mm | **Screwfix.com** (product code: 8979H) Add M5 × Ø10 × 1mm thick washer under screw head for 10mm material |
| | **18mm or greater** Plywood, MDF, MFC | #8 × 0.75” flange head Easydrive PZ | 15.0mm | **Screwfix.com** (product code: 6553H) |
| | | #8 × 0.75” pan head STST PZ | 15.0mm | **Screwfix.com** (product code: 1755H) |
| | | Ø4.5/5.0 x 20mm pan head | 16.0mm | Spax or similar |
| **Type 3 Flush Fix REBATED**  | **18mm thick** Plywood, MDF, MFC | #8 × 0.5” flange head | 6.2mm | **Screwfix.com** (product code: 8979H) |
| | | #8 × 0.5” pan head STST | 6.2mm | **Screwfix.com** (product code: 7203H) |
| | | Varianta Euroscrew Ø 7.8 × 13.5 mm | 7.3mm | **Häfele** (product code: 013.15.724) Pilot drill Ø 5 mm |
| | **19mm thick** Plywood, MDF, MFC | Ø4.0/4.5/5.0 × 16mm CSK | 9.8mm | Spax or similar |
| | **25mm or greater** Plywood, MDF, MFC | Ø4.5/5.0 × 20mm CSK | 12.5mm | Spax or similar |
| | | #8 × 0.75” flange head Easydrive PZ | 12.8mm | **Screwfix.com** (product code: 6553H) |

Suggestions are based on screws available in the UK which have been tested for compatibility with Type 3 Button-fix. Screws from other suppliers may also be suitable but have not been validated by Buttonfix Limited —**always perform your own tests for critical applications.**

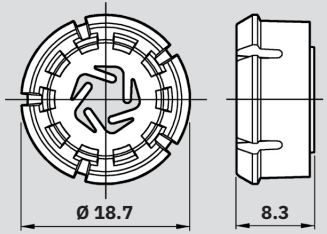
**Ensure the screws do not break through or show on the panel face.**

## Specifications

**Type 3 Flush Fix dimensions**




**Type 3 Button dimensions**




**Material: PBT (Fix) & Acetal (Button)**

**Guide loads:** **Wall panel with 4 x Fixes = 60 kg max.**

**Ceiling panel with 4 x Fixes = 10 kg max.**

—Advice on panel loads is given with the proviso that the screws and substrate are properly matched, and all other instructions complied with. For critical applications it is essential to perform your own tests.