button-fix
Panel fixing made easy

# Instructions for use
# —Type 1 Metal Fix

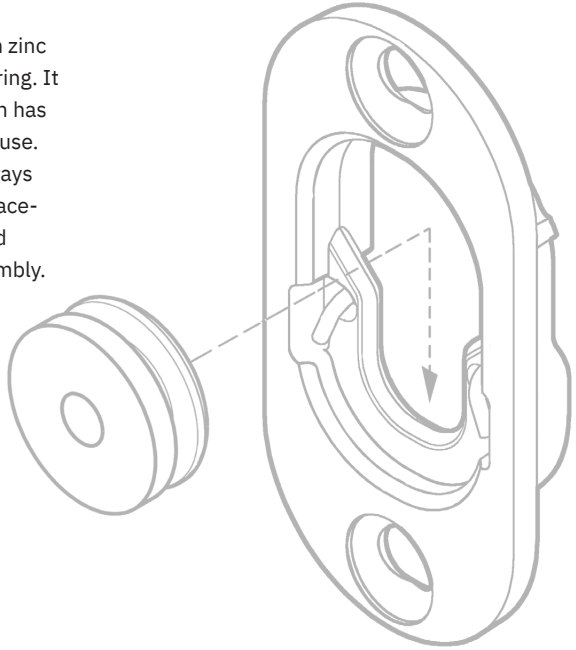
## Type 1 metal button-fix

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 slide until the Button-fixes ‘click’.

The Type 1 Metal Button-fix is diecast in zinc alloy and fitted with a stainless steel spring. It connects parallel panels and its strength has been verified by an independent test house. It can be configured in many different ways to best suit your application, either surface-mounted or recessed into the panel, and orientated for vertical or sideways assembly.

Visit the website for more information on the complete Button-fix range, including videos of the Type 1 Metal Button-fix in use. 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 1 Metal Fixes can support loads weighing up to a maximum of 770lbs. For critical applications it is essential to perform your own tests.

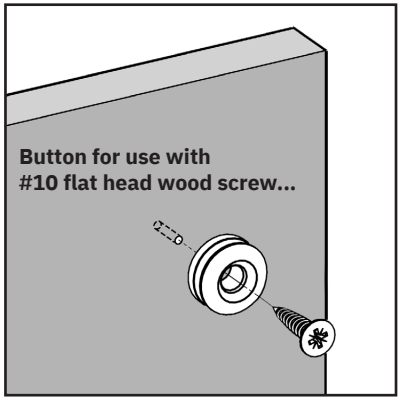
—Avoid any contact with aggressive cleaning products.

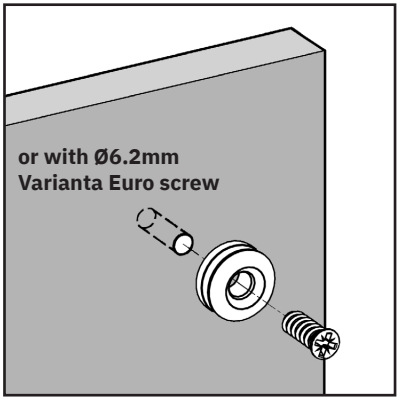
—It is not possible for Buttonfix to warn the consumer about every possible danger related to use of the Button-fix and the consumer must use his or her own good judgment when installing and using the Button-fix.

## The button

The Button is designed to suit different screw types: #10 flat head wood screws, 0.1875” machine screw or Ø6.2mm Varianta Euro screws (to fit Ø5mm pilot holes).

Check with your panel supplier which screw type is best for your application.



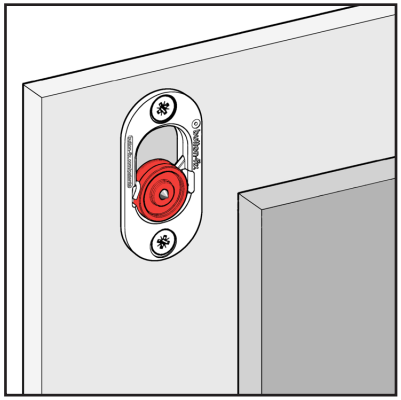



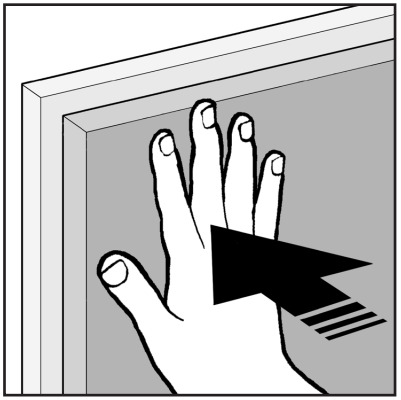

## Button marker accessory

The Button marker accessory helps to mark out where to install the Buttons.

Once you have attached the Fixes (see following pages), snap 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 drilling pilot holes for the Buttons.

Remove the markers, which can be re-used to mark out the next panel.





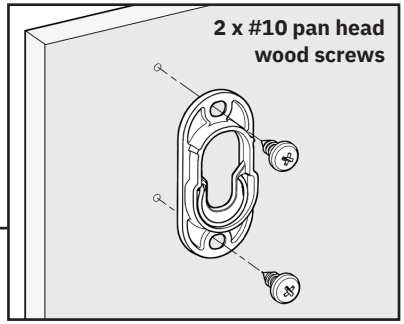
## Surface-mounted fix

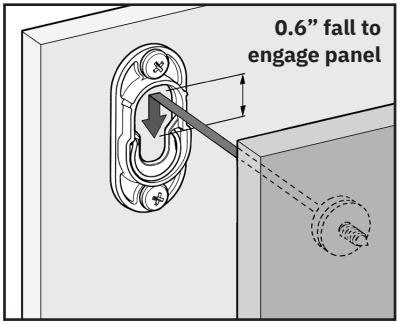
Surface mounting creates an 0.32” gap between the two panels. The Fix can be configured in three options:

**1. Button on removable panel**

The Fix is attached to the background structure, pointing upwards as shown in the diagrams on the right.

In this configuration, the panels engage vertically and 0.6” clearance is required above the removable panel.

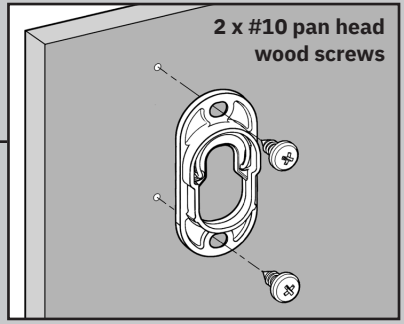


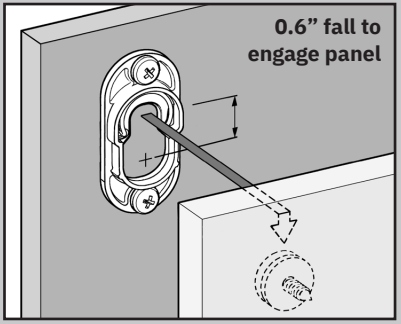




**2. Fix on removable panel**

The Fix is attached to the removable panel, pointing downwards as shown in the diagrams on the right.

In this configuration, the panels engage vertically and 0.6” clearance is required above the removable panel.

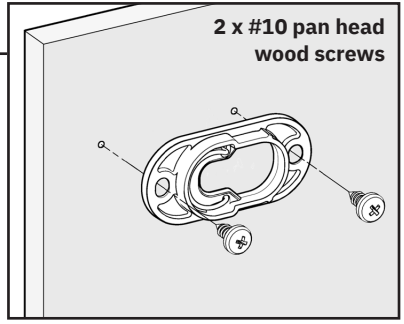


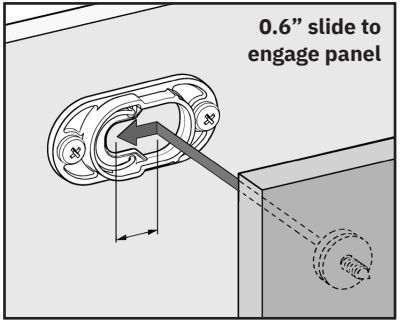




**3. Sideways arrangement**

The Fix is attached to either the background structure or the removable panel, pointing sideways as shown in the diagrams on the right.

In this configuration, the panels engage horizontally and 0.6” clearance is required to the side of the removable panel.



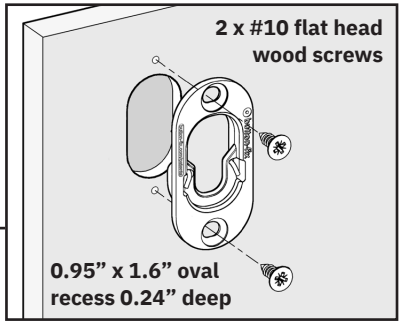
## Recessed fix

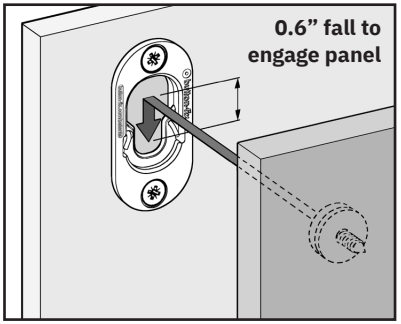
Recessing the Fix creates a 0.12” gap between the two panels. The Fix can be configured in three options:

**1. Button on removable panel**

The Fix is attached to the background structure, pointing upwards as shown in the diagrams on the right.

In this configuration, the panels engage vertically and 0.6” clearance is required above the removable panel.

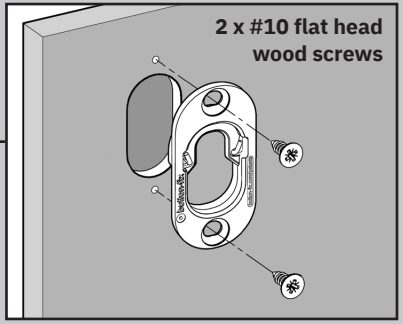


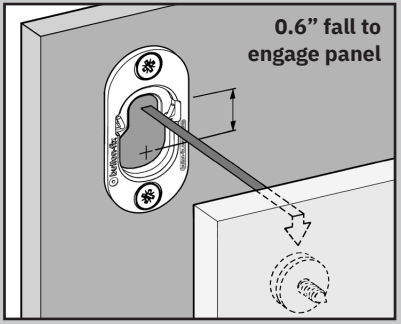




**2. Fix on removable panel**

The Fix is attached to the removable panel, pointing downwards as shown in the diagrams on the right.

In this configuration, the panels engage vertically and 0.6” clearance is required above the removable panel.

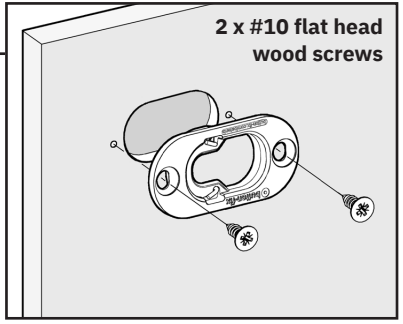


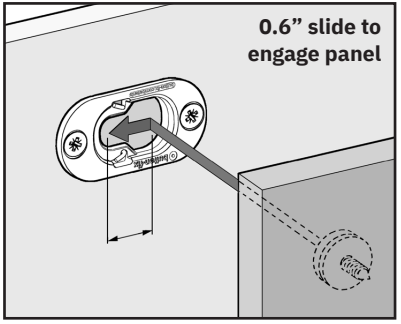




**3. Sideways arrangement**

The Fix is attached to either the background structure or the removable panel, pointing sideways as shown in the diagrams on the right.

In this configuration, the panels engage horizontally and 0.6” clearance is required to the side of the removable panel.

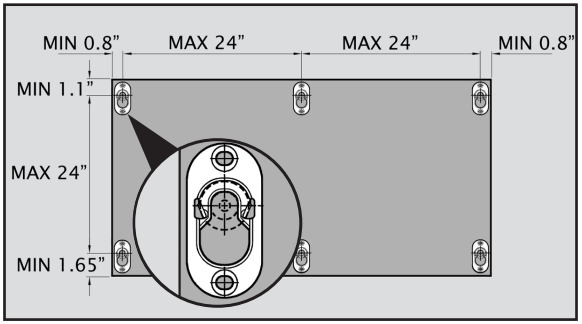


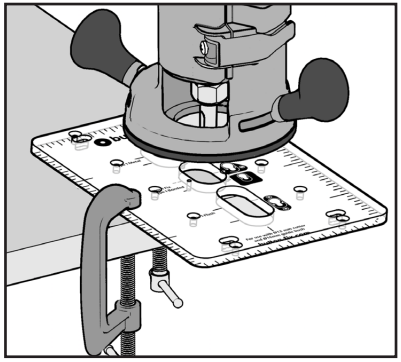



## Suggested layout

As an approximate guide, we suggest that Button-fix centers are no greater than 24” apart.

Always remember to allow at least 0.6” clearance for the removable panel to disengage.



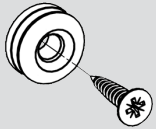
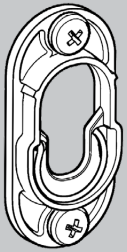



## Router jig accessory

A router jig can be ordered separately for accurately machining the recesses for the Fixes, described on the previous page.

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.

# Screw fixings guide 1/2

| Product/configuration | Panel thickness/ material | Screw type | net thread length | Notes |
|---|---|---|---|---|
| **Type 1 Metal Button**  | **0.6” to 0.75” thick** Plywood, MDF, MFC | Ø5.0 × 20mm CSK (#10 x 0.75”) | 11.4mm | Spax or similar<br>Timco (product code: 50020CLAF) |
| | **0.75” or greater** Plywood, MDF, MFC | Ø5.0 × 25mm CSK (#10 x 1”) | 16.4mm | Spax or similar. Screwfix (product code: 913PV)<br>Timco (product code: 50025CLAF) |
| | | M5 CSK machine screw (#10) | | User-defined length e.g. M5 × 40mm<br>Screwfix (product code: 7363J) |
| | **0.4” to 0.5” thick** Plywood, MDF, MFC | Varianta Ø7.8 CSK × 13.5mm | 6mm | Häfele America (product code: 013.51.724)<br>**Requires Ø5mm pilot hole** |
| | **0.5” to 0.6” thick** Plywood, MDF, MFC | Varianta Ø7.8 CSK × 16mm | 8.5mm | Häfele America (product code: 013.51.733)<br>**Requires Ø5mm pilot hole** |
| **Surface-mounted Fix**  | **0.5” to 0.6” thick** Plywood, MDF, MFC | Ø5.0 × 12mm pan head (#10 × 0.5”) | 9mm | |
| | **0.6” to 0.75” thick** Plywood, MDF, MFC | Ø5.0 × 16mm pan head (#10 × 0.625”) | 13mm | |
| | **0.75” or greater** Plywood, MDF, MFC | Ø5.0 × 20mm pan head (#10 × 0.75”) | 16.2mm | Use #10 / Ø5.0 screws for maximum strength |
| | | M5 pan head machine screw (#10) | | User-defined length |
| | **Sheet metal** | Pop rivet or blind fixing Ø4.8mm roundhead | | Rivet length to suit material thickness |
| | **0.4” to 0.5” thick** Plastic, HPL | #10 × 0.375” pan head Plas-Fix 60 | 6.4mm | TR Fastenings (product code: TR00032525-103)<br>**Requires Ø4.75mm pilot hole** |
| | **0.5” to 0.6” thick** Plastic, HPL | #10 × 0.5” pan head Plas-Fix 60 | 9.5mm | TR Fastenings (product code: TR00032523-103)<br>**Requires Ø4.75mm pilot hole** |

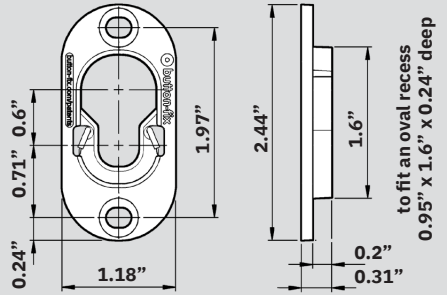
# Screw fixings guide 2/2

| Product/configuration | Panel thickness/ material | Screw type | net thread length | Notes |
|---|---|---|---|---|
| **Recessed Fix**  | **0.6” to 0.75” thick** Plywood, MDF, MFC | Ø5.0 × 16mm CSK (#10 x 0.625”) | 12.4mm | |
| | **0.75” to 1” thick** Plywood, MDF, MFC | Ø5.0 × 20mm CSK (#10 x 0.75”) | 16.4mm | |
| | **1” or greater** Plywood, MDF, MFC | Ø5.0 × 25mm CSK (#10 x 1”) | 21.4mm | |
| | | M5 CSK machine screw (#10) | | User-defined length |
| | **0.4” to 0.5” thick** Plywood, MDF, MFC | Varianta Ø7.8 CSK × 10.5mm | 8.2mm | Häfele America (product code: 013.51.715) **Requires Ø5mm pilot hole** |
| | **0.5” to 0.6” thick** Plywood, MDF, MFC | Varianta Ø7.8 CSK × 13.5mm | 11.5mm | Häfele America (product code: 013.51.724) **Requires Ø5mm pilot hole** |
| | **0.6” or greater** Plywood, MDF, MFC | Varianta Ø7.8 CSK × 16mm | 14mm | Häfele America (product code: 013.51.733) **Requires Ø5mm pilot hole** |
| | **0.5” or greater** Plastic, HPL | #10 × 0.5” CSK Plas-Fix 60 | 9.8mm | TR Fastenings (product code: TR00032416-103) **Requires Ø4.75mm pilot hole** |

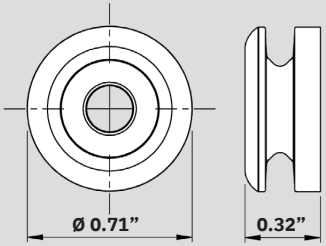
Suggestions are based on screws available in the UK which have been tested for compatibility with Type 1 Metal Button-fix. Screws from other suppliers may also be suitable but have not been validated by Buttonfix Limited—**always perform your own tests for critical applications.**

# Specifications

**Type 1 Metal Fix dimensions**




**Button dimensions**




**Material:** **ZL2 zinc alloy (Button & Fix) & 316 stainless steel (spring)**

**Guide loads:** **Wall panel with 4 x Fixes = 770 lbs max.**

**Ceiling panel with 4 x Fixes = 500 lbs 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.

—Advice is based on independent test reports, which can be found on our website: **button-fix.com/technical-resources**

**Origin:** **Manufactured in the UK**

**Buttonfix Limited**
**Unit A, 1 Britton Street**
**London, EC1M 5NW**

**T: +44 (0)20 8150 7190**

**E: info@button-fix.com**

**EU Authorised Representative:**
AR Experts BV
Boeingavenue 209
1119PD Schiphol-Rijk
The Netherlands

**button-fix.com**