

Instructions for use —Type 1 Metal Fix



Type 1 metal button-fix

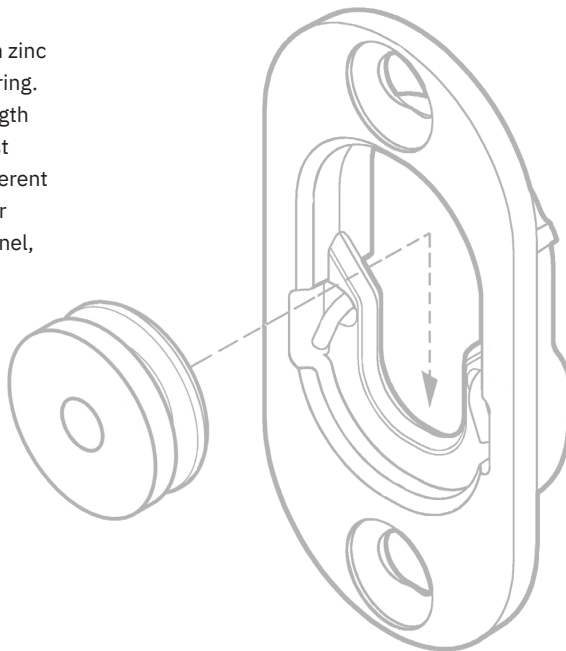
The Button-fix concept is simple: the Fixes are attached to the back of one panel and the mating Buttons are attached to the other. Bring the panels together and slide until the Button-fixes 'click'.

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 rebated 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 350kg (770lbs). For critical applications it is essential to perform your own tests.

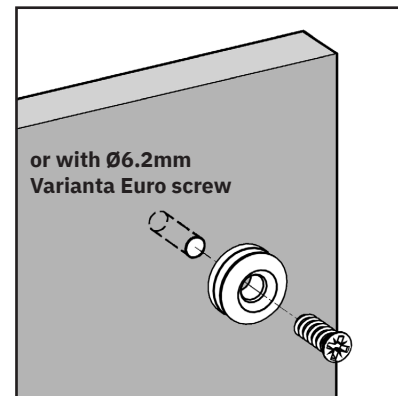
—Avoid any contact with aggressive cleaning products.

—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: Ø5mm countersunk wood screws, M5 machine screws, or Ø6.2mm Varianta Euro screws (to fit Ø5mm pilot holes).

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

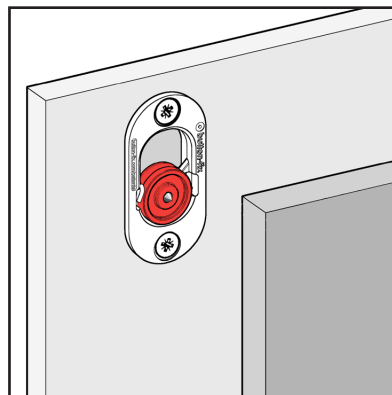


Button marker accessory

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

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

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



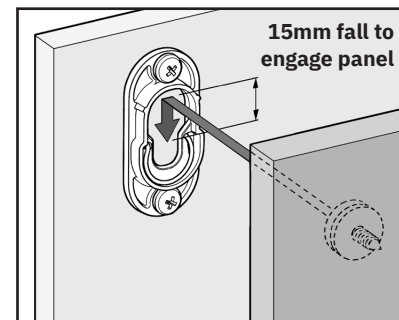
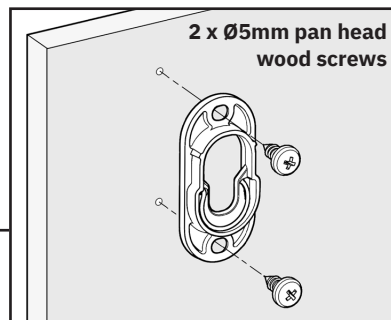
Surface-mounted fix

Surface mounting creates an 8mm 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.

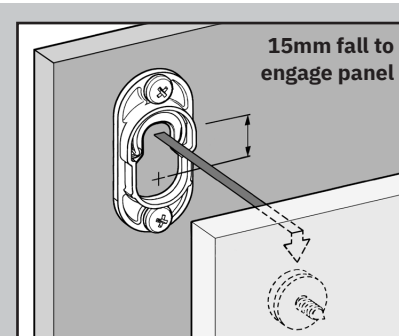
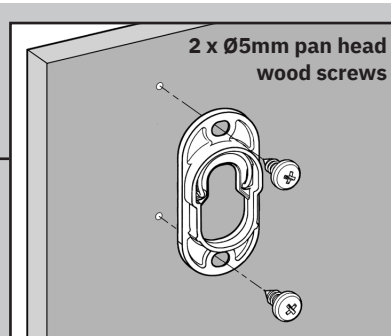
In this configuration, the panels engage vertically and 15mm clearance is required above the removable panel.



2. Fix on removable panel

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

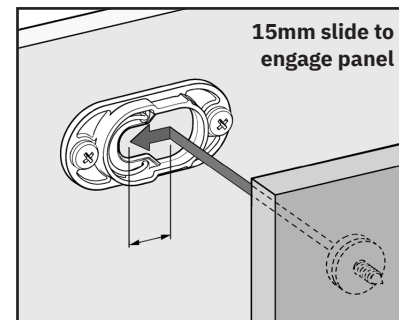
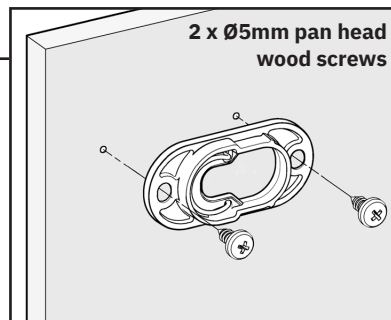
In this configuration, the panels engage vertically and 15mm clearance is required above the removable panel.



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 15mm clearance is required to the side of the removable panel.



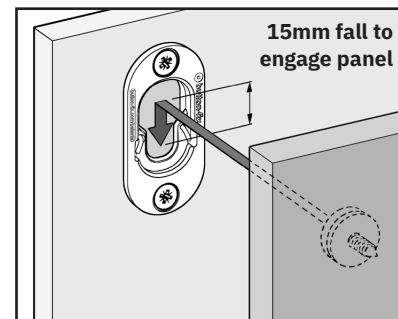
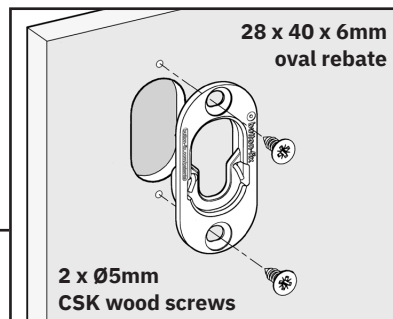
Rebated fix

Rebating the Fix creates a 3mm 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.

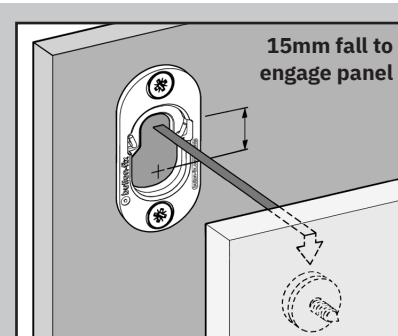
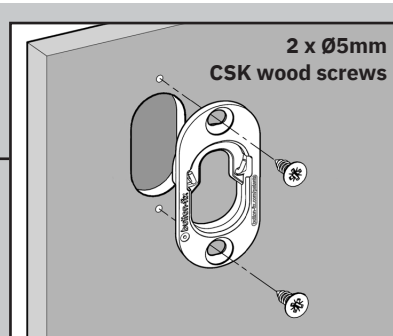
In this configuration, the panels engage vertically and 15mm clearance is required above the removable panel.



2. Fix on removable panel

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

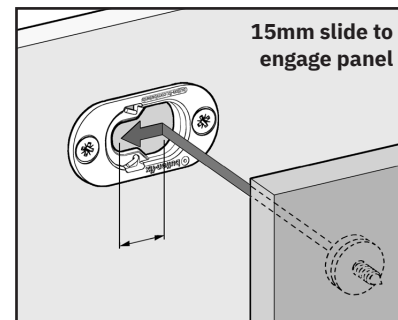
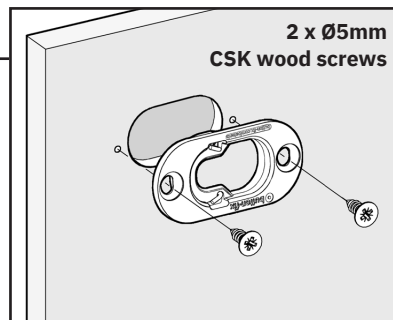
In this configuration, the panels engage vertically and 15mm clearance is required above the removable panel.



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.

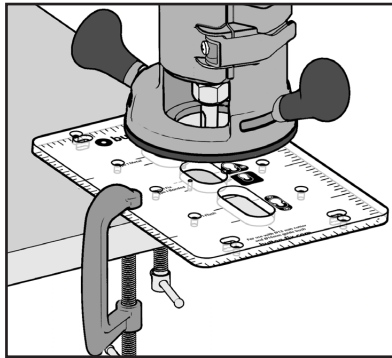
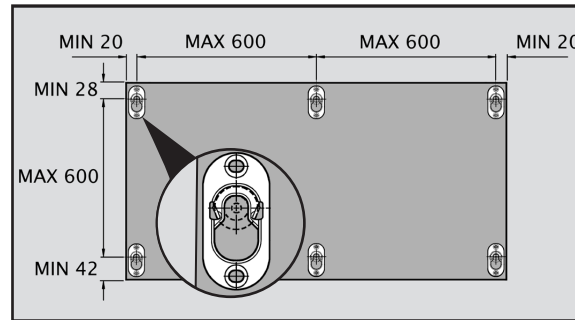
In this configuration, the panels engage horizontally and 15mm clearance is required to the side of the removable panel.



Suggested layout

As an approximate guide, we suggest that Button-fix centres are no greater than 600mm apart.

Always remember to allow at least 15mm clearance for the removable panel to disengage.

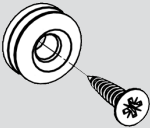
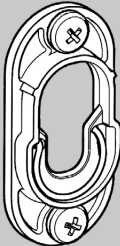


Router jig accessory

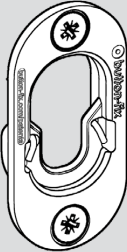
A router jig can be ordered separately for accurately machining the rebates for the Fixes, described on the previous page.

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

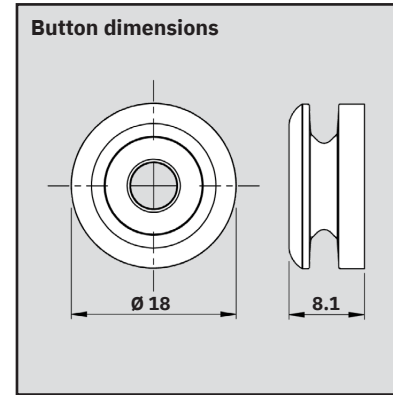
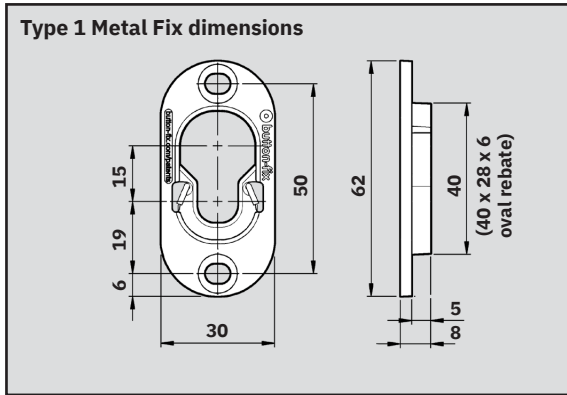
Product/configuration	Panel thickness/ material	Screw type	net thread length	Notes
Type 1 Metal Button 	15 to 18mm thick Plywood, MDF, MFC	Ø5.0 × 20mm CSK (#10 × 0.75")	11.4mm	Spax or similar Timco (product code: 50020CLAF)
	18mm or greater Plywood, MDF, MFC	Ø5.0 × 25mm CSK (#10 × 1")	16.4mm	Spax or similar. Screwfix (product code: 913PV) Timco (product code: 50025CLAF)
		M5 CSK machine screw (#10)		User-defined length e.g. M5 × 40mm Screwfix (product code: 7363J)
	10 to 12mm thick Plywood, MDF, MFC	Variant a Ø7.8 CSK × 13.5mm	6mm	Häfele (product code: 013.15.724) Requires Ø5mm pilot hole
	12 to 15mm thick Plywood, MDF, MFC	Variant a Ø7.8 CSK × 16mm	8.5mm	Häfele (product code: 013.15.733) Requires Ø5mm pilot hole
Surface-mounted Fix 	12 to 15mm thick Plywood, MDF, MFC	Ø5.0 × 12mm pan head (#10 × 0.5")	9mm	
	15 to 18mm thick Plywood, MDF, MFC	Ø5.0 × 16mm pan head (#10 × 0.625")	13mm	
	18mm or greater Plywood, MDF, MFC	Ø5.0 × 20mm pan head (#10 × 0.75")	16.2mm	Use 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
	10 to 12mm thick Plastic, HPL	#10 × 0.375" pan head Plas-Fix 60	6.4mm	TR Fastenings (product code: TR00032525-103) Requires Ø4.75mm pilot hole
	12 to 15mm thick Plastic, HPL	#10 × 0.5" pan head Plas-Fix 60	9.5mm	TR Fastenings (product code: TR00032523-103) Requires Ø4.75mm pilot hole

Screw fixings guide 2/2

Product/configuration	Panel thickness/ material	Screw type	net thread length	Notes
Rebated Fix 	15 to 18mm thick Plywood, MDF, MFC	Ø5.0 × 16mm CSK (#10 × 0.625")	12.4mm	
	18 to 25mm thick Plywood, MDF, MFC	Ø5.0 × 20mm CSK (#10 × 0.75")	16.4mm	
	25mm or greater Plywood, MDF, MFC	Ø5.0 × 25mm CSK (#10 × 1")	21.4mm	
		M5 CSK machine screw (#10)		User-defined length
	10 to 12mm thick Plywood, MDF, MFC	Varianta Ø7.8 CSK × 10.5mm	8.2mm	Häfele (product code: 013.05.719) Requires Ø5mm pilot hole
	12 to 15mm thick Plywood, MDF, MFC	Varianta Ø7.8 CSK × 13.5mm	11.5mm	Häfele (product code: 013.15.724) Requires Ø5mm pilot hole
	15mm or greater Plywood, MDF, MFC	Varianta Ø7.8 CSK × 16mm	14mm	Häfele (product code: 013.15.733) Requires Ø5mm pilot hole
	12mm 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



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

Guide loads: Wall panel with 4 x Fixes = 350 kg max.

Ceiling panel with 4 x Fixes = 230 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.

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

Origin: Manufactured in the UK

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