

suggested fixings

March 2018

The following list is for guidance only. With the exception of pop rivets, machine and thread-cutting screws, the fixings below are intended for use in timber-based products such as MDF, particleboard and plywood. Alternative fixings and materials may be used but specific combinations should always be tested to ensure suitability.

If using alternative fixings, the screw head **must be flush or sub-surface** on the Button and on rebated Fixes, to avoid interference during assembly. Avoid small screw heads and, for maximum strength, use the largest screw of the maximum length that the panels can accommodate on both the Button and the Fix. For instance, on 18mm panels use 5.0 x 25mm CSK screws on the Countersink Buttons (net thread length of 16.8mm).

Varianta Euroscrews can be found in the Häfele catalogue and on their web sites.

For a guide to peak load capacity for the Type 1 Fix, please refer to the 'load test results' download on our website, www.button-fix.com. Important note: it is the user's responsibility to define the loading safety factor for all uses of Button-fix.

| Fixing type Button-fix part no. 171-XXX-X | Net thread length beyond Button-fix | Notes |
|---|-------------------------------------|--|
| Fixings for Countersink Button 171-002-1 | | |
| 5.0 x 20 CSK (#10 x 0.75") | 11.3mm (0.45") | For 12 and 15 mm panels (0.5" to 0.6") |
| 5.0 x 25 CSK (#10 x 1") | 16.8 mm (0.66") | For 18 mm panels (0.7") and over |
| 4.0 x 16 CSK (#8 x 0.625") | 9.2 mm (0.36") | For 10 mm panels (0.4") |
| 4.5 x 16 CSK (#9 x 0.625") | 8.6 mm (0.34") | For 10 mm panels (0.4") |
| M5 CSK (#10) | | User-defined length |
| Fixings for Euroscrew Button 171-002-2 | | |
| Varianta Ø 7.8 CSK x13.5 mm Ø5 mm pilot hole | 6 mm (0.24") | Häfele part no. 013.15.724 |
| Varianta Ø 7.8 CSK x 16 mm Ø5 mm pilot hole | 8.5 mm (0.33") | Häfele part no. 013.15.733 |

| Fixing type Button-fix part no. 171-XXX-X | Net thread length beyond Button-fix | Notes |
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Fixings for Type 1 Fix 171-001-1: surface-mounted orientation

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| 4.0 x 12 pan head (#8 x 0.5") | 9 mm (0.35") | |
| 4.5 x 16 pan head (#9 x 0.625") | 13 mm (0.51") | |
| 5.0 x 20 pan head (#10 x 0.75") | 16.2 mm (0.64") | Use 5.0 screws for maximum strength |
| M5 pan head screws (#10) | | Tight fit, but strong |
| M4 pan head screws (#8) | | Always use with a suitable washer |
| Lancaster Fasteners: TCBTZPAN48095ZC (9.5 mm) | 6.4 mm (0.25") 8.4 mm pilot * | Thread-cutting screws for solid grade laminate panels (e.g. Trespa). * Requires Ø 4.3 mm pilot hole to the stated depth, to allow for chipping. www.lancasterfastener.com |
| Lancaster Fasteners: TCBTZPAN48130ZC (13 mm) | 9 mm (0.35") 11 mm pilot * | |
| Lancaster Fasteners: TCBTZPAN48160ZC (16 mm) | 12 mm (0.47") 14 mm pilot * | |
| Pop rivet or blind fixing Ø 4.8 mm roundhead | | For fixing to thin sheet material. Rivet length to suit material thickness. |

Fixings for Type 1 Fix 171-001-1: rebated orientation

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| 4.0 x 16 CSK (#8 x 0.625") | 14 mm (0.55") | |
| 4.5 x 16 CSK (#9 x 0.625") | 12.8 mm (0.5") | |
| 4.5 x 20 CSK (#9 x 0.75") | 16.9 mm (0.67") | |
| 4.5 x 25 CSK (#9 x 1") | 21.9 mm (0.86") | |
| TR Fastenings TR00031910-103 4.0 x 16 mm CSK Plas-Tech 30 | 13.2 mm (0.52") Ø 2.5 mm pilot | Available from www.farnell.com and www.gilbertlaurence.com |
| Varianta Ø 7.8 CSK x 10.5 mm Ø 5 mm pilot hole | 7.2 mm (0.28") | Häfele part no. 013.05.719 |
| Varianta Ø 7.8 CSK x 13.5 mm Ø 5 mm pilot hole | 10.5 mm (0.41") | Häfele part no. 013.15.724 |
| Varianta Ø 7.8 CSK x 16 mm Ø 5 mm pilot hole | 13 mm (0.51") | Häfele part no. 013.15.733 |
| Although the Type 1 Fix is not specifically designed for use with Varianta Euroscrews, it can perform satisfactorily with either the Ø 3 mm or Ø 5 mm pilot hole variants. | | |
| M4 CSK screws (#8) | | User-defined length |

| Fixing type Button-fix part no. 171-XXX-X | Net thread length beyond Button-fix | Notes |
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Fixings for Type 2 Fix 171-004-1

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| 4.0 /4.5 x 12 pan head (#8/#9 x 0.5") | 9 mm (0.35") | For 10 mm panels (0.4") |
| 4.0/4.5 x 16 pan head (#8/#9 x 0.625") | 13 mm (0.51") | For 15 mm panels (0.6") |
| 4.0/4.5 x 20 pan head (#8/#9 x 0.75") | 17 mm (0.67") | For 18 mm panels (0.7") |
| 4.0/4.5 x 25 pan head (#8/#9 x 1") | 22 mm (0.87") | For 25 mm panels (1") and over |
| Varianta Ø 9 x 13.5mm Ø 3 mm pilot hole | 8.8 mm (0.35") | Häfele part no. 013.15.626 |
| <p>Although the Type 2 Fix is not specifically designed for use with Varianta Euroscrews, it can perform satisfactorily with Ø 3 mm pilot hole variants. Ø 5 mm pilot hole Varianta Euroscrews are not suitable.</p> | | |
| M4 Pan Head screws (#8) | | Always use with a suitable washer |
| Lancaster Fasteners: TCBTZPAN48095ZC (9.5 mm) | 6.4 mm (0.25") 8.4 mm pilot * | Thread-cutting screws for solid grade laminate panels (e.g. Trespa). * Requires Ø 4.3 mm pilot hole to the stated depth, to allow for chipping. www.lancasterfastener.com |
| Lancaster Fasteners: TCBTZPAN48130ZC (13 mm) | 9 mm (0.35") 11 mm pilot * | |
| Lancaster Fasteners: TCBTZPAN48160ZC (16 mm) | 12 mm (0.47") 14 mm pilot * | |

Fixings for Type 1 Flush Fix 171-018-1

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| TR Fastenings TR00031910-103 4.0 x 16 mm CSK Plas-Tech 30 | 8.2 mm (0.32") Ø 2.5 mm pilot | For 18 mm panels (0.7") Available from www.farnell.com and www.gilbertlaurence.com |
| 4.5 x 20 CSK (#9 x 0.75") | 12 mm (0.48") | For 25 mm panels (1") and over |