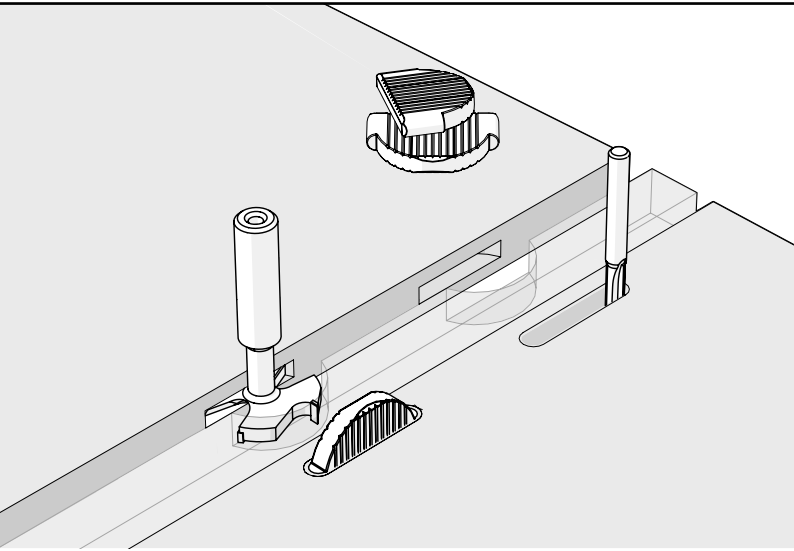
FixChip®



FixChip® & FixChip® Mini

OPERATION AND ASSEMBLY MANUAL

PRODUCT DESCRIPTION

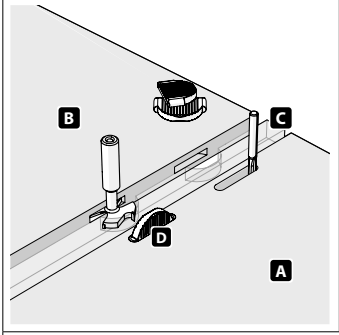
Thank you for choosing the FixChip® system!
Unlock the full potential of CNC nesting with FixChip® – the smart solution for efficient and precise panel joining.

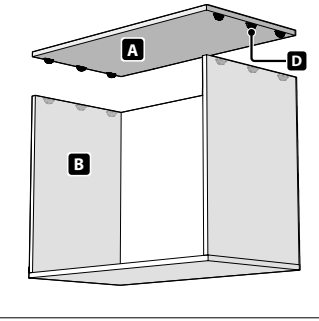
FixChip® is designed for seamless integration with CNC nesting machines, eliminating secondary operations and streamlining your workflow. It saves time, reduces production costs, and improves overall accuracy.

Together with your CNC nesting machine, CAM/CAD nesting software, and Leitz's specialized milling tools, you can create perfectly matched grooves for both the FixChip® and the FixChip® Mini.

The result: stable, invisible, and precisely aligned connections – every time

OVERVIEW



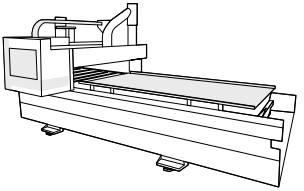


A Panel A: 6 mm groove
B Panel B: 35 mm groove
C Waste material: 35 mm space in between the panels.
D FixChip® installation

! Pre drilling the 35 mm groove is not necessary. The original FixChip® Diamaster 35 mm is designed to drill and mill the groove in one operation.

MACHINING

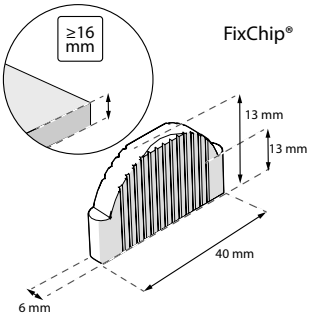
Setup checklist



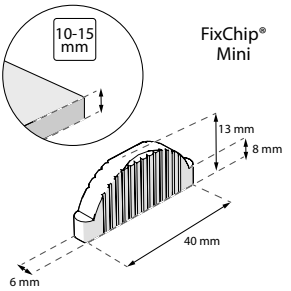
CNC nesting machine or another suitable CNC machine

35 mm milling cutter

6 mm milling cutter



dimensions and sheet thickness



dimensions and sheet thickness

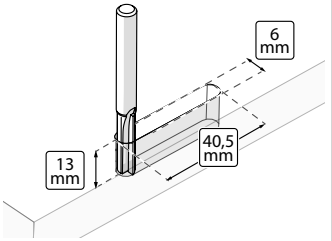
TIP Use FixChip® Mini for back panels or when a vertical divider is combined with shelves at the same height on both sides.

- ! Ensure the CNC nesting machine's nesting table is properly planed.
- ! Only use a clean and well maintained CNC nesting machine.

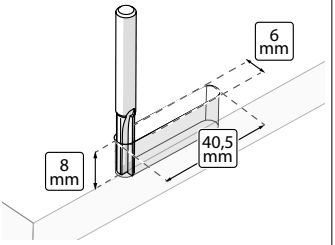
Milling measurements

- ! Pre drilling 35 mm groove is not necessary. The original FixChip® Diamaster 35 mm is designed to drill and mill the groove in one operation
- ! Ensure the CNC machine's nesting table is properly planed.
- ! Only use a clean and well maintained CNC machine.

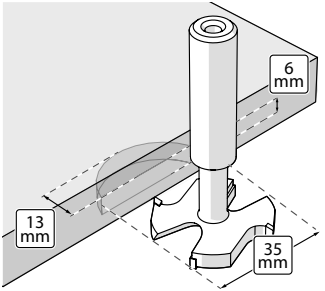
Panel A:
6 mm milling groove FixChip®

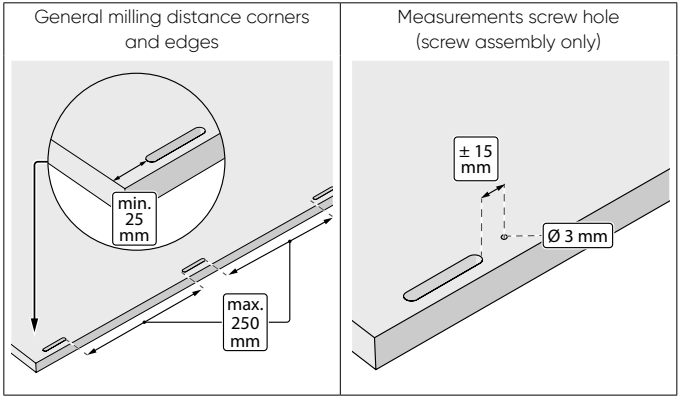


Panel A:
6 mm milling groove FixChip® Mini



Panel B:
35 mm groove FixChip® & FixChip® Mini

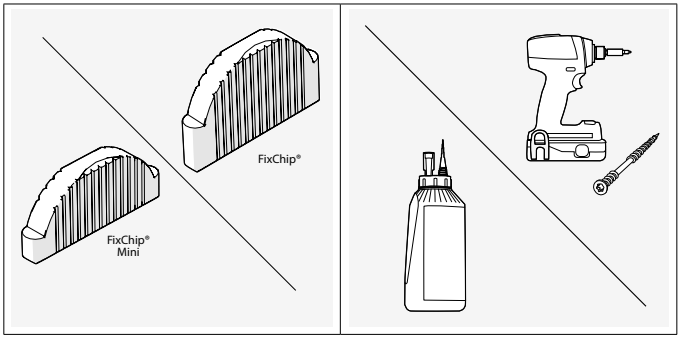




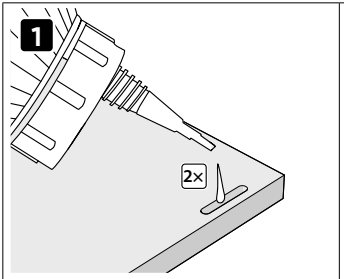
- For more information (speed rates, clamping system etc.) of the milling cutters, refer to your tool supplier or **www.leitz.org**.
- Refer to the CNC machine's documentation for more information on use, maintenance, and troubleshooting.

ASSEMBLING

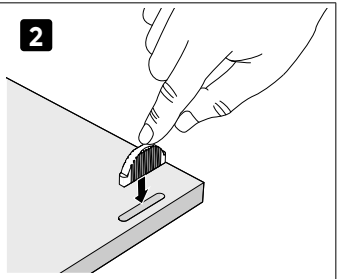
Fix it fast and firm with glue or screws



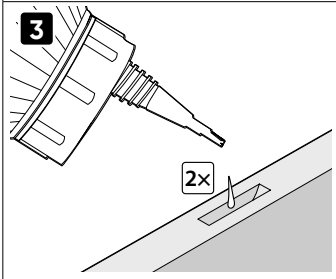
Glue assembly



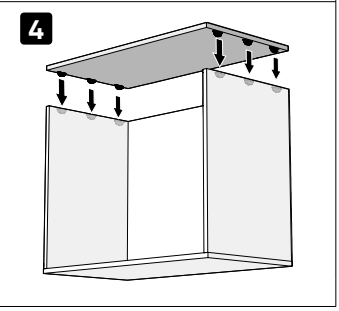
*Repeat for every groove of panel A

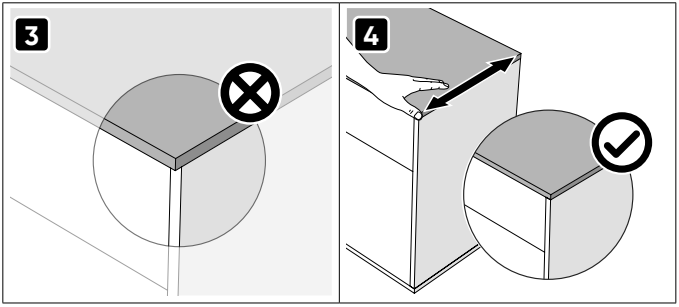


*Repeat for every groove of panel A

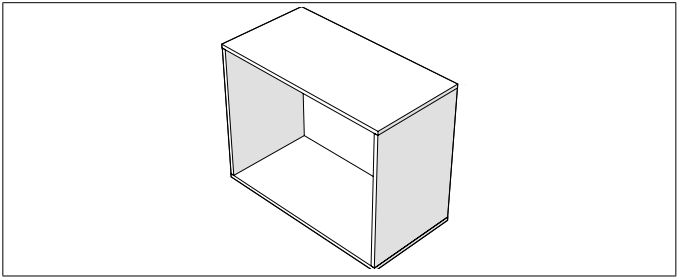


*Repeat for every groove of panel B

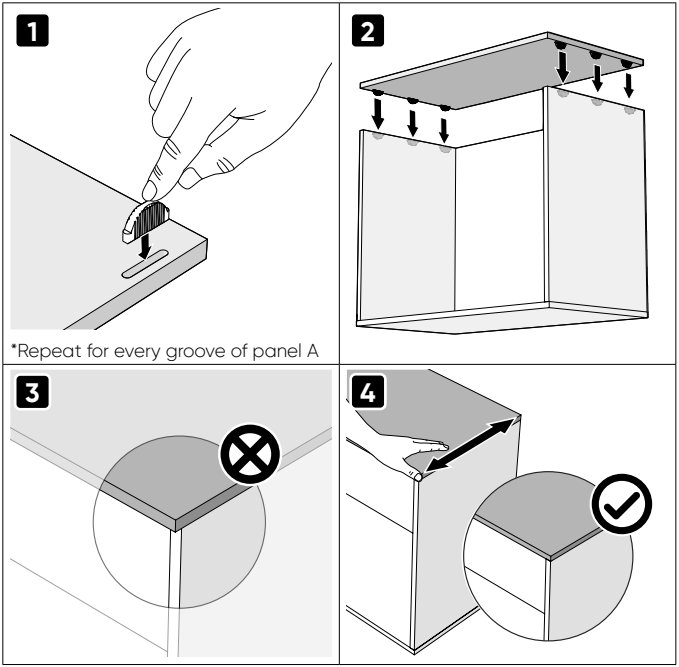




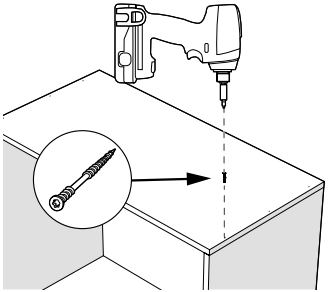
! Slide the panels slightly until they align. Use a clamp or tape if needed to hold them until the glue has set.



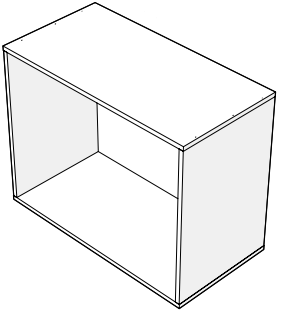
Screw assembly



! Slide panels slightly until they align, then fix with screws.



*Repeat for every drill hole on panel B



SAFETY INFORMATION

⚠ WARNING

- Make sure the user and assembler have read the complete manual before using the FixChip® and milling cutters.
- Make sure the nesting measurements are installed properly by a qualified CNC technician before milling and cutting.
- For more information (speed rates, fixturing etc.) of the milling cutters, refer to your tool supplier or **www.leitz.org**.
- Refer to the CNC machine's documentation for more information on use, maintenance, and troubleshooting. Ensure that the CNC machine's nesting table is planed properly.
- Only use a clean and well maintained CNC nesting machine.
- Only use the accessories recommended in this manual.
- Do not pre drill before using the 35 mm milling cutter. The milling cutter is designed to saw through the panel to make space for the groove.
- Make sure to check whether all panels are fitted correctly and the corners are smooth when assembling before fixing with glue or screws.
- Keep FixChip® dry. Always store in the original buckets or in a sealed, dry environment to prevent swelling.

	For more information, downloads, and samples check the FixChip website (**www.fixchip.com**).

DISCLAIMER

Usage and Load Limits

It is the user's responsibility to assess whether the product is suitable for the intended application. Actual load limits depend on external factors beyond our control, such as the properties of the carrier material, the adhesive and/or screws used, and the mounting or installation conditions. Any advice or product recommendations provided by us are non-binding and do not constitute a guarantee of suitability. The user remains solely responsible for conducting a thorough evaluation and assessment.

FixChip®

FixChip B.V.
www.fixchip.com

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