

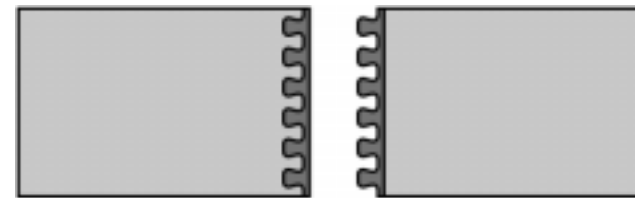
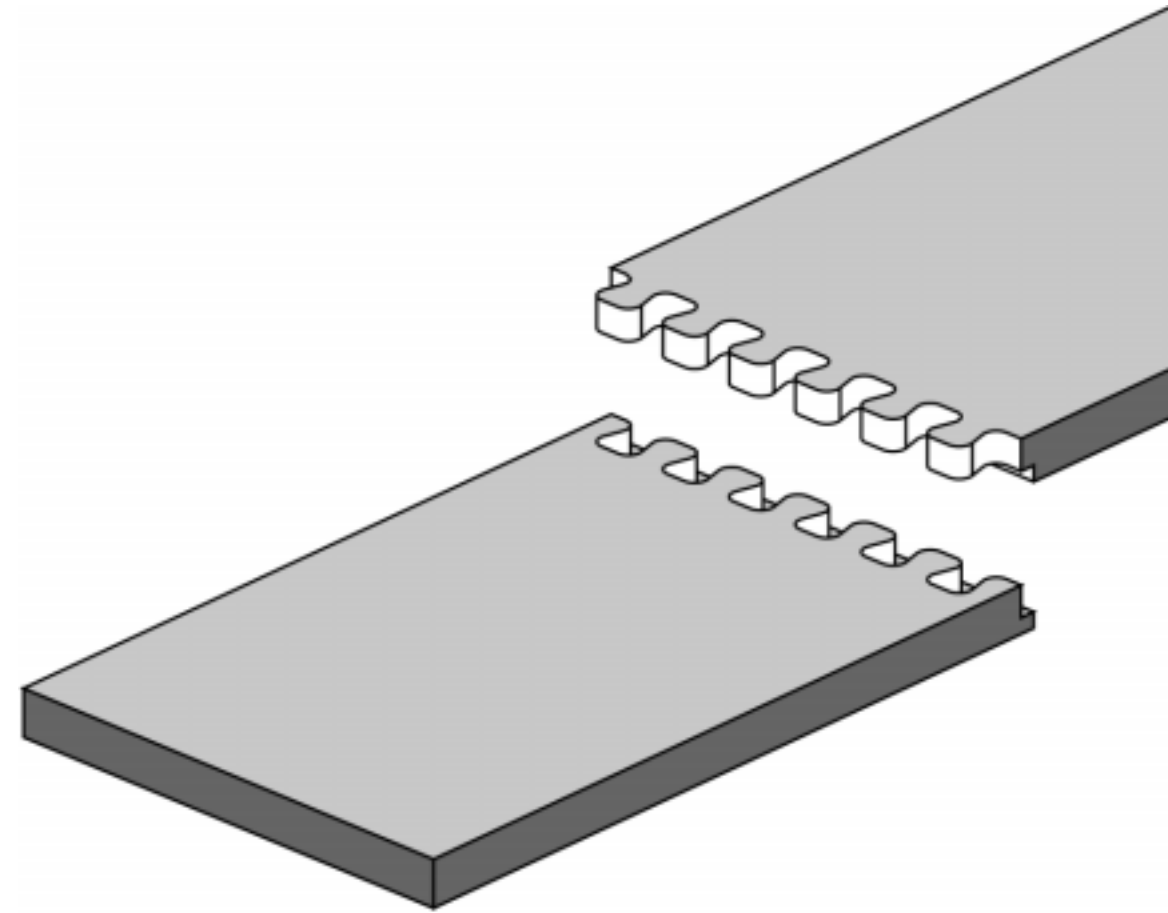


name of file: T_013

Lapped Dovetail

The Simple Lapped Dovetail can be used to lengthen framing timbers, as well as boards or panels. Due to the dovetailed tenons, the joint is secured against longitudinal tension, while the scarf prevents a perpendicular shift.

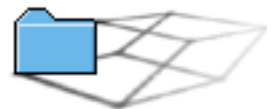
For decorative purposes, the tenons can take different shapes, e.g. like Ginkgo leaves, which can be arranged regularly or freely.



Example of application

→ Side-Table

→ to the data files

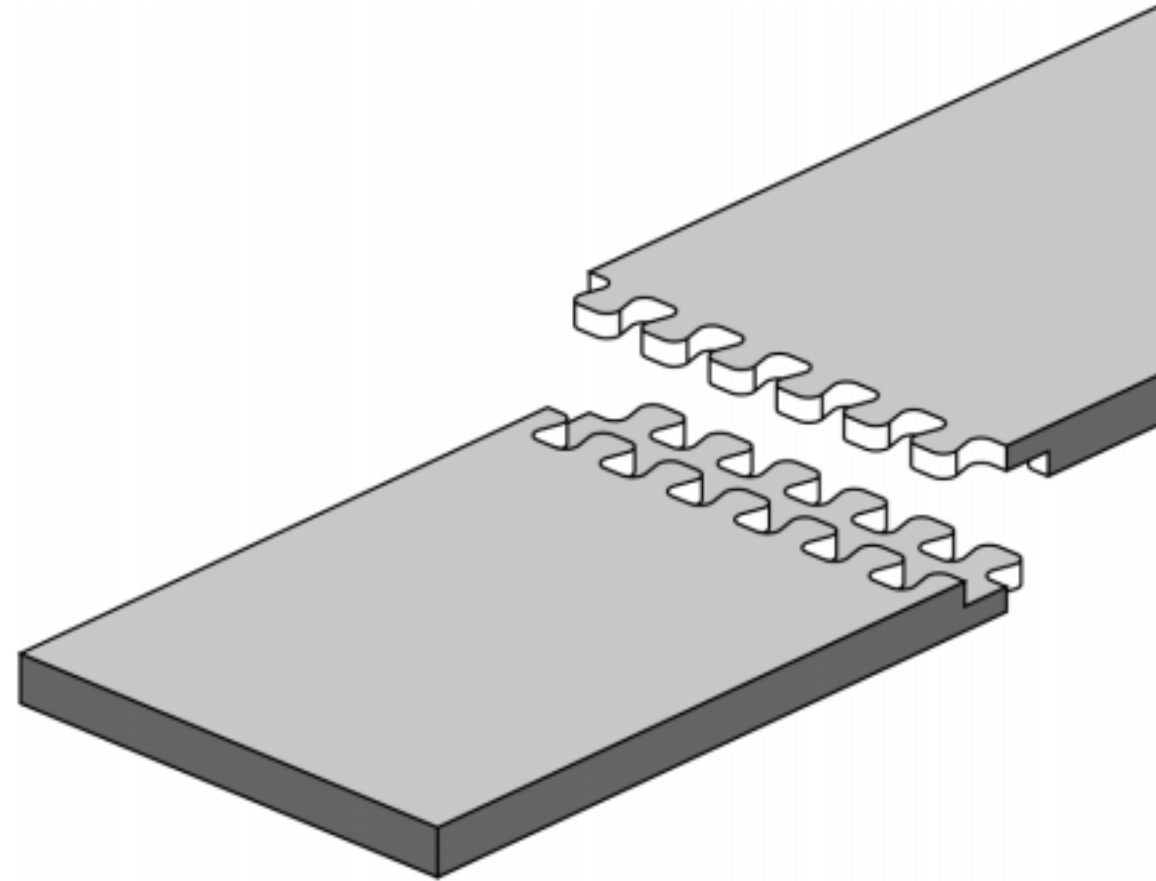




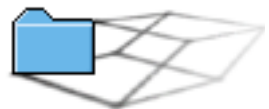
name of file: T_015

Double Lapped Dovetail

As opposed to the simple version, the manufacturing of the Double Lapped Dovetail is much more costly. In exchange one gets a joint that is more durable and very decorative from both sides. The second row of dovetails is offset and this prevents an opening of the lower rabbet caused by loading, which can occur with the simple version. Depending on the precision requested of the router, the joint can be executed as detachable or glued versions.



→ to the data files

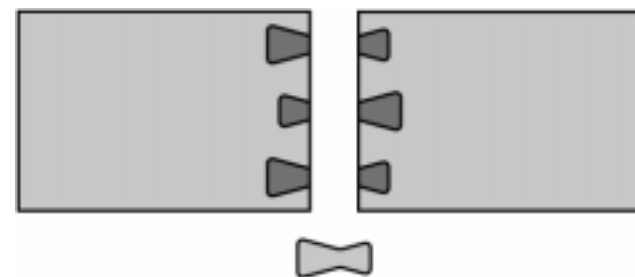
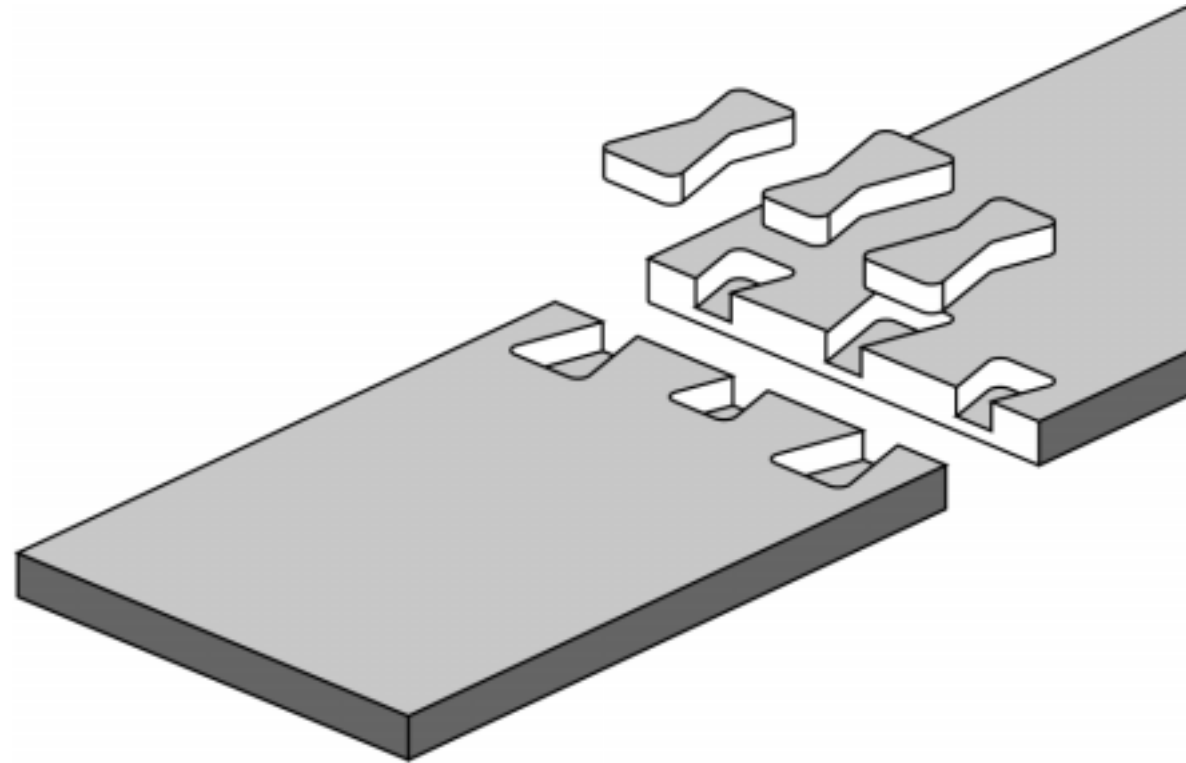




name of file: T_012

Board Lengthening with Asymmetrical Dovetail Keys

The Board Lengthening with Asymmetrical Dovetail Keys is a very decorative joint. Even though joints with dovetail keys are very old, they are hardly used in furniture construction. The dovetailed keys, which here are presented in an asymmetrical and alternating version, secure the joint against tension. The dovetail keys can be used for lengthenings as well as for width joints, or for securing cracks in solid wood boards and planks. The decorative value of the joint can be increased by the use of fine woods or other materials.

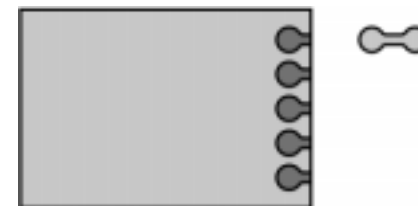
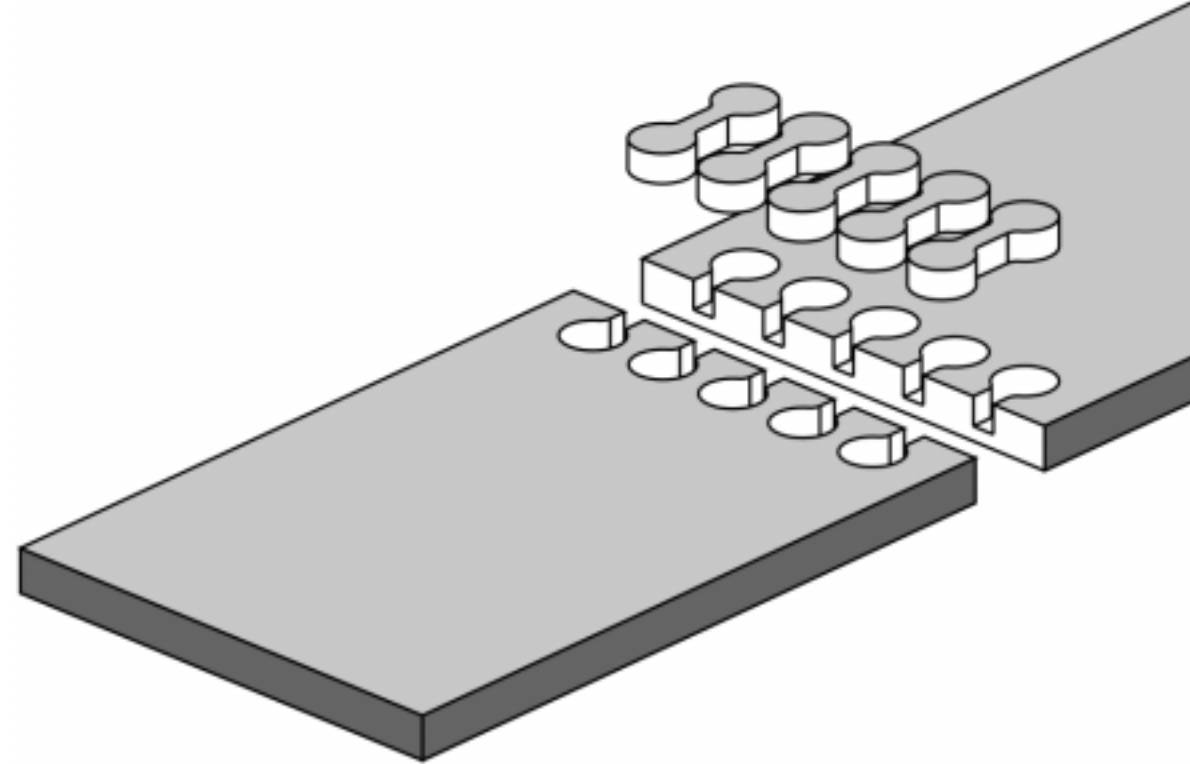




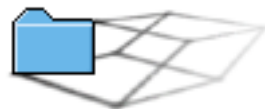
name of file: P_002

Board Lengthening with Jigsaw Keys

The Board Lengthening with Jigsaw Keys clearly shows that let in loose connectors, a Jigsaw Key in our example, can take on a multitude of shapes. They can also be arranged in various ways in order to make a durable as well as decorative joint. When the Jigsaw Keys are used in width joints, due to the opposing main directions of shrinkage, it is recommended to keep the length of the keys to a minimum and to slightly undercut them at the ends.



→ to the data files

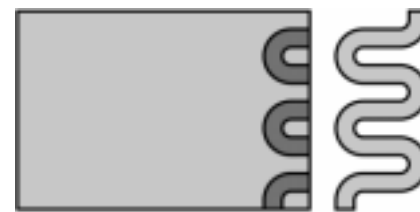
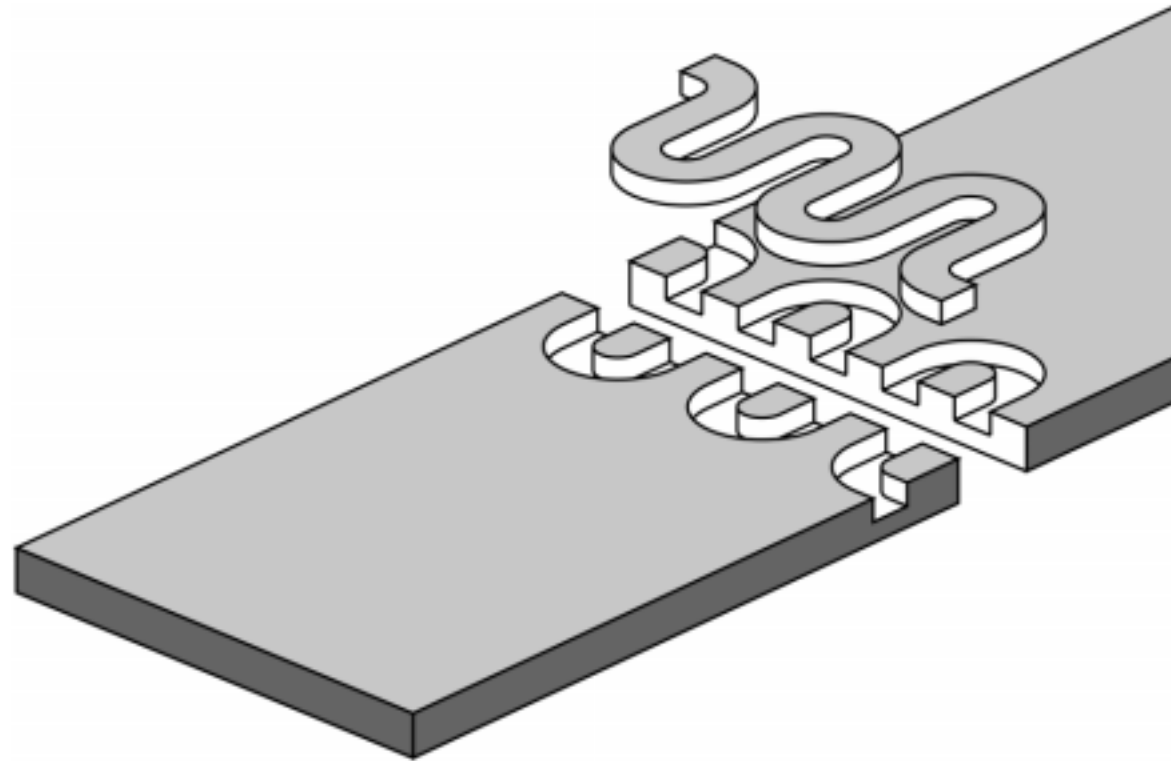




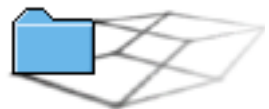
name of file: S_002

Lengthening with Meander Key

Unlike other loose connectors, e.g. the dovetail key, there is no traditional model for the Meander Key. The reason for this is that a key of this shape can only be made out of material that can stand longitudinal as well as cross tension. Suitable materials are, inter alia, multiplex plywood, acrylic glass or aluminium. When joining boards with a Meander Key, it is important to make sure that the wood is well dried and that there is enough material left at the inner radii of the key to withstand the tensile force.



→ to the data files

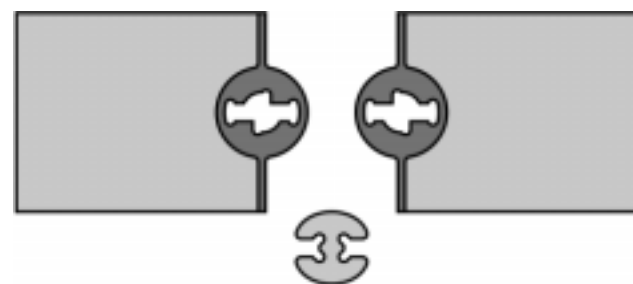
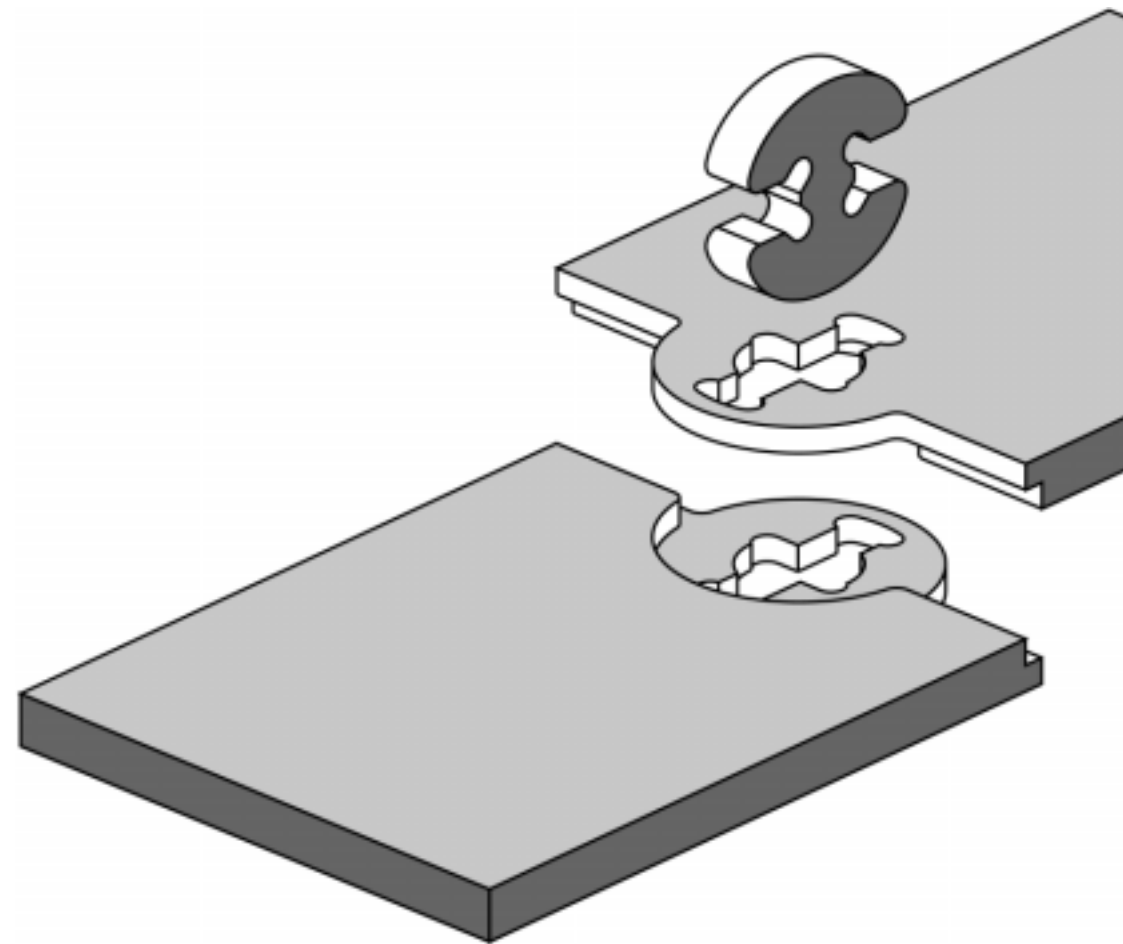




name of file: V_001

Detachable Lengthening with Key

The Lengthening with Key was designed from the start to be a detachable joint. It can be detached and relocked at any time without tools. The region around the joint is flattened on both boards and is provided with a slot. When both parts are assembled, the key is introduced into the interconnected slot and then turned. The geometry of the slot stops the key after a quarter turn. As the strain on all parts of this joint is particularly high, it is recommended to execute it in multiplex plywood.



→ to the data files

