

INNOVATIVE FASTENING SOLUTIONS FOR MODERN FURNITURE

People have been making and using furniture for thousands of years. Previously, furniture was assembled using finger joints, dowel pins, nails, and screws. Recently, the technology of furniture manufacture and design has advanced significantly.

With the development of manufacturing technologies, furniture has become much more complex in design and noticeably simpler at the assembly stage. All this has become possible thanks to modern design programs and new fastening ideas from various global manufacturers, one of which is the Danish company SISO.

PANEL CLICK BUTTON CONNECTOR – this fastening device consists of two parts of the point-and-cap type of connection. To attach this fastener, it is enough to mark only one part of the fitting, which can be done either directly at the assembly site or at the production stage by marking the screw insertion point with a fitting tool.

The marking of the counterpart can be done using a fitting tool at production or with the help of a jig that is placed on top of one part of the fitting (point). By applying and pressing the counterpart, a mark is made where the second part of the fitting (cap) is fastened.

After that, they snap together with light pressure until a characteristic click is heard.

This fastener can be used in a variety of situations. Thanks to its dismountable connection, it can be disassembled and reassembled multiple times for occasional access to service equipment, for example, for radiator covers, false panels, or any decorative elements.

CLIP CONNECTOR “DOVETAIL”; “HALF-TAIL” is a convenient fastener for decorative furniture elements without the use of glue. This connector allows for the combination of materials in the joint, for example: chipboard and artificial stone, solid wood, plywood, plastic, and other materials actively used in furniture.

The connection is made by snapping into a groove created with a special dovetail cutter.

EXPANSION, MITRE DOWEL & SNAP FITTING is a convenient fastener that replaces a regular dowel pin. The advantage of this type of connection is that there is no need to use glue, and it simplifies the furniture manufacturing process.

This type of fastener is non-dismountable and works according to the dowel pin principle. When driven into the core of the plastic rod, the petals expand and are firmly held in the item. After that, we attach the second item with pre-drilled holes and hammer it in with a mallet.

Due to its special shape, the counterpart is securely held. This method can be used to assemble drawers, cabinets, shelves, and other pieces of furniture.

DOUBLE POINTED STEEL NAILS - this type of fastener is used for fastening where there are no heavy loads, for example, for fastening slats, and the installation process is quite simple.

To begin with, with the help of a homemade tube with a slot and an internal diameter of 4 mm fixed in a screwdriver, we screw it into the part and then nail the slat with a mallet.

Due to the use of a special thread, the slat is nailed quite easily and at the same time holds quite reliably. The connection is non-dismountable, but nevertheless has a fairly wide application when used in decorative elements.

So these are the most frequently used types of modern fasteners.

REFERENCES

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