



Revolution in the packaging industry

BeA VTT Connector reduces time, costs and complexity

- **System solution for the construction of transport crates**
- **Just one connector for the corners and long sides**
- **More working safety thanks to standard solution**

Ahrensburg, 22 May 2017 – Transport and packaging crates have been assembled in the same way for decades. Joh. Friedrich Behrens AG, European market leader for industrial fastening technology, is revolutionising the construction of wooden packaging with the BeA VTT Connector. According to system supplier BeA the connector, which has utility model protection, reduces assembly time by up to 60 %, while at the same time reducing costs for fasteners by up to 15 %. The universal solution for connectors, corners and long sides also makes storage and recycling easier, prevents damage to the crates if they are opened during customs inspections and increases working safety through the defined fastening points.

Packaging experts are convinced by the ingenious simplicity of the BeA VTT Connector. The shape of the component, made of high grade hot dip galvanised steel, allows sturdy corner and long side connections to be made using only one connector and with almost no tools being necessary. No drilled, milled or grooved profiles are necessary for a precisely fitting connection. The BeA VTT Connector is suitable for transport and packaging crates made of 12 and 15 mm board materials.

For the base, the VTT Connectors are simply bent at the corner to create a firm base plate. For long side connections, the boards are butt-connected using the BeA VTT Connector. The connectors are fastened using BeFix TK screws and a cordless screwdriver which are particularly efficient in series assembly using BeA flare staples and the BeA tool 14/38-159 E VTT.

In the next working step, the four side walls are inserted into the corners of the VTT Connectors. The crate can now be filled. Then the four side walls are connected across the corner using BeA VTT Connectors. To close the crate, the lid is placed on the four VTT Connectors and the crate is secured for transport using packaging straps. With a little practice, experts can build a transport crate with customised dimensions in less than 5 minutes using this method.

The assembly time for a standardised wooden crate to fit on a Euro pallet is even reduced to about 120 seconds. The side walls cut to the

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pallet size only need to be inserted, the lid connectors attached, the lid fitted and the crate fixed with a packaging strap.

The BeA VTT Connector not only saves time, it also reduces the costs for reinforcements, fasteners and connecting elements compared with conventional crate building. The connector provides additional savings potential if it is used in a recirculating system. Since only one connecting element is required for corners and long sides, and only one fastener type is required, storage is made easier and the disassembly and separation of the materials for reuse is straightforward as well.

Transport and packaging crates often have to be built under great time pressure, which is why the defined fastening points of the BeA VTT Connector significantly improve working safety during assembly.

About Joh. Friedrich Behrens AG

The Joh. Friedrich Behrens AG with the BeA and KMR brands is one of the leading manufacturers for fastening technology for wood and similar materials on the European market. The Behrens Group, which has been operating for more than 100 years, distributes machine tools (pneumatic and gas-operated nailers and staplers) as well as corresponding fasteners (collated nails, staples and screws) developed and produced in Germany via a global network of subsidiaries and affiliated companies. The products are characterised by innovative technologies, the highest quality standards and modern manufacturing methods.



BeA VTT Connector-system.jpg

BeA offers a complete system with VTT Connector, staple and fastening tool.

Photo: BeA



BeA VTT Connector.jpg

The BeA VTT Connector makes it possible to simply insert the side walls in place.

Photo: BeA

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BeA VTT Connector-assembly-1.jpg

The side walls are simply inserted in place.

Photo: BeA



BeA VTT Connector-assembly-2.jpg

The BeA VTT Connector is suitable for corner and long side connections.

Photo: BeA



BeA VTT Connector-assembly-3.jpg

The lid is set in place and fixed using a packaging strap.

Photo: BeA

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