Metal components subject to static load: 
Easy, fast and secure connection using the new TDBL self-tapping fastener
It's time for a change of system!
Put supporting structures subject to static load together in a faster and more efficient manner with the secure, direct screw connection.

Direct screw connection with TDBL

Until now, putting pre-drilled supports together has been complicated and time-consuming, requiring the use of standard bolts, washers and nuts. The connection had to be accessible from both sides.

New, simple direct connection
The self threading fastener, TDBL is inserted into the punched hole and effortlessly driven in using a cordless impact driver.

TDBL = efficient

Old, tedious method
No need to open!

before = time-consuming
Superior advantages of TDBL:
- just one fastening element
- just one tool
- installation with only one hand
- from (only) one side

The new self-tapping fastener TDBL offers a multitude of advantages:

**simple**
- only one type of fastener for a wide variety of applications
- easy positioning in pre-punched support using gimlet point tip
- same borehole diameter for all grades of steel
- simplified inventory management, since only one type of fastener is needed

**fast**
- easy, fast and user-friendly installation using cordless impact screw gun with magnetic socket
- can be installed from any position with one hand, from one side, using only one tool
- self-tapping in various steel hardness and thickness

**secure**
- no over-winding in thin steel thanks to thread-free zone and additional serration under the head
- no spontaneous twist-off thanks to patented thread
- enhanced working safety, since only one hand is needed for installation

Assembly instructions
The fastening must always be made from the appropriate direction (from thin to thick). The diameter of the punched or drilled hole must match the fastener.

Various fields of application for the TDBL direct screw connection
The new TDBL system simplifies the assembly process considerably, therefore improving efficiency. The fields of application for this simple, fast and secure direct connection are diverse.
Self-tapping fastener TDBL:
A superior fastening system.

<table>
<thead>
<tr>
<th>Self-tapping fastener</th>
<th>Type</th>
<th>Material</th>
<th>Ø</th>
<th>L</th>
<th>KL</th>
</tr>
</thead>
<tbody>
<tr>
<td>TDBL – T –</td>
<td>8,6</td>
<td>x 16</td>
<td>9</td>
<td>mm</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Field of application, according to ETA</th>
</tr>
</thead>
<tbody>
<tr>
<td>pre-drill Ø 8.6 mm</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Standard: tI + tII</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.0 mm</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>More than 2 elements:</th>
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<tbody>
<tr>
<td>TDBL-T-10.6xL = min. 8.8 mm</td>
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</table>

Example of pre-drill Ø:

<table>
<thead>
<tr>
<th>tI</th>
<th>2.0 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>tII</td>
<td>5.5 mm</td>
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<td>pre-drill Ø 8.0 mm</td>
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</table>

Setting tool:
Impact screw gun or tangential impact driver with torque from > 150 Nm to 650 Nm (depending on the application)

- Magnetic socket E416 with Hex 16 mm
- Magnetic socket E313 with Hex 13 mm

Innovative fastening technology
Fastening technology from SFS intec – optimised for application, tried and tested over many years in all kinds of different fields. Learn more via the internet or by contacting us directly.

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