Hidden fastener solution TU-S
Secure and easy attachment of HPL panels
Hidden solution and quick to install
The SFS TU-S fastening system

50% less installation time

The TU-S blind fastener from SFS is superior to previous approaches to the attachment of HPL cladding panels with regards installation and long-term security.

Installation can be performed quickly and securely by one person, without using special tools. Installation time can also be reduced by up to 50% compared with conventional blind attachments. The TU-S blind fastener can be removed once if required.

Easy
- no complex undercut hole necessary – simple standard hole sufficient
- no special tools to install necessary
- holes can be drilled on site
- quick and easy installation with the GESIPA PowerBird® Pro

Secure
- eliminates strip out
- high pullout values
- no unwinding
- one time removal possible

1. Pilot drilling in the HPL panel with the 6 mm dia. HSS blind hole drill with depth stop

2. Position the pre-drilled bracket over the hole in the panel and push through the TU-S blind fastener

3. Remove the mandrel completely with the riveting tool GESIPA PowerBird® Pro, use nosepiece 17/36 or 17/40

Scan and watch video
Recommended by leading panel manufacturers and contractors
Designed for use with HPL panels

Optimum security
In addition to an easy and timesaving installation, the TU-S is a secure solution. The fastener cannot be over-driven during installation. Due to its radial expansion when the mandrel is removed, the partially cut thread becomes wedged in the panel material, generating very high pullout values.

Severely reduces the possibility of unwinding due to thermal expansion and contraction or vibration. The sleeve is made of austenitic stainless steel (material DIN 1.4401, grade A4-316 SS).

Our technical advisers will be pleased to provide you with detailed information. Just give us a call.

<table>
<thead>
<tr>
<th>Fastener</th>
<th>Material No.</th>
<th>Panel thickness HPL and fiber cement</th>
<th>Bracket (mm/in.)</th>
<th>Hole Depth (mm/in.) + 0.5</th>
</tr>
</thead>
<tbody>
<tr>
<td>TU-S-6x9-A4</td>
<td>907253</td>
<td>8 mm (5/16&quot;)</td>
<td>3.0 mm (.118&quot;)</td>
<td>6.0 mm (.236&quot;)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>8 mm (5/16&quot;)</td>
<td>3.5 mm (.138&quot;)</td>
<td>5.5 mm (.217&quot;)</td>
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<td></td>
<td></td>
<td></td>
<td>4.0 mm (.157&quot;)</td>
<td>5.0 mm (.197&quot;)</td>
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<tr>
<td></td>
<td></td>
<td>10 mm (3/8&quot;)</td>
<td>2.0 mm (.079&quot;)</td>
<td>7.0 mm (.276&quot;)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2.5 mm (.098&quot;)</td>
<td>6.5 mm (.256&quot;)</td>
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<td>778444</td>
<td>10 mm (3/8&quot;)</td>
<td>3.0 mm (.118&quot;)</td>
<td>8.0 mm (.315&quot;)</td>
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<td>4.0 mm (.157&quot;)</td>
<td>7.0 mm (.276&quot;)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>12 mm (1/2&quot;)</td>
<td>2.0 mm (.079&quot;)</td>
<td>9.0 mm (.354&quot;)</td>
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<td></td>
<td></td>
<td></td>
<td>2.5 mm (.098&quot;)</td>
<td>8.5 mm (.335&quot;)</td>
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<td>4.0 mm (.157&quot;)</td>
<td>7.0 mm (.276&quot;)</td>
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<td>TU-S-6x13-A4</td>
<td>848724</td>
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<td>8.0 mm (.315&quot;)</td>
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<td>10.0 mm (.394&quot;)</td>
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<td></td>
<td></td>
<td></td>
<td>4.0 mm (.157&quot;)</td>
<td>9.0 mm (.354&quot;)</td>
</tr>
</tbody>
</table>
### Accessories for TU-S

#### Depth Locator
- **Material No.:** 1478567
- **Product Code:** Depth locator for drill bit universal
- **Description:** New Bit Holder for pre set drill depths

#### HSS Drill Bits

<table>
<thead>
<tr>
<th>Material No.</th>
<th>Product Code</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>1481609</td>
<td>HSS-6,0X40</td>
<td>Pilot Hole Drill Bit (depth drill 5 mm)</td>
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<tr>
<td>1514312</td>
<td>HSS-6,0X40,5</td>
<td>Pilot Hole Drill Bit (depth drill 5.5 mm)</td>
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<td>1481601</td>
<td>HSS-6,0X41</td>
<td>Pilot Hole Drill Bit (depth drill 6 mm)</td>
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<td>1514314</td>
<td>HSS-6,0X41,5</td>
<td>Pilot Hole Drill Bit (depth drill 6.5 mm)</td>
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<td>1481588</td>
<td>HSS-6,0X42</td>
<td>Pilot Hole Drill Bit (depth drill 7 mm)</td>
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<tr>
<td>1514315</td>
<td>HSS-6,0X42,5</td>
<td>Pilot Hole Drill Bit (depth drill 7.5 mm)</td>
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<td>1478593</td>
<td>HSS-6,0X43</td>
<td>Pilot Hole Drill Bit (depth drill 8 mm)</td>
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<td>1514316</td>
<td>HSS-6,0X43,5</td>
<td>Pilot Hole Drill Bit (depth drill 8.5 mm)</td>
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</tbody>
</table>

#### Powerbird Pro Series
**18 Volt Brushless & Cordless Riveting Tool**
- Material Number: 1457637
- Power Pack: 18.0 Volt, rechargeable Li-ion / 2.1 Ah
- Battery Charger: 110-240V/50-60Hz, 45-90 minute charge time

#### Complementary hidden fastener solutions for rainscreen panels

- **TUF-S for HPL and fiber cement panels**
- **TUC-S for fiber concrete panels**

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**Technical advice and sales service**

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