Saving with simplicity
High strength captive nuts for sheet metal
KAPTI NUT® – Captive Nuts

KAPTI NUT® is a high strength, captive, threaded fastener system. It allows a range of nuts to be permanently attached to a panel or component by a mechanical process. The system is ideally suited to multiple insertion into thin steel strip and sheet and may be used with aluminium and stainless steel.

Supersedes: Traditional weld nuts

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Costs reduction
- Single stroke press operation
- Installed as part of the press process operation
- Reduced equipment cost
- Multiple setting in a single operation

Installation

1. Locate the KAPTI NUT® and the panel/component onto the tool pin.
2. Start the installation (pressing) process.
3. The KAPTI NUT® uses the tool die to roll back the leading edge on itself to create the flange.
4. The two parts are now locked providing a high strength threaded attachment point.

Technical features
- Structural captive threaded fastener
- High mechanical resistance
- Compatible with 8.8 screw
- One side completely flush
- Assembly in coated materials
- The installation process creates no fumes nor heat
- Minimum electrical power consumption
- Environmentally friendly
Extra benefits compared to weld nuts:

- Easy visual inspection
- Full installation cost savings
- Quick installation process
- Suitable for pre-coated materials
- Accurate positional control
- High torque resistance

**Dimensions**
Thread sizes conform to ISO metric coarse series 6H tolerance:
Our standard surface treatment for KAPTI NUT® is zinc trivalent (3-15 μm providing 400 hours to red rust) according to ISO 9227 specification.

<table>
<thead>
<tr>
<th>THREAD SIZE</th>
<th>PANEL THICKNESS RANGE</th>
<th>ØA DIAMETER (mm)</th>
<th>H DIMENSION (mm)</th>
<th>PART NUMBER</th>
</tr>
</thead>
<tbody>
<tr>
<td>M5</td>
<td>0.70 - 1.30</td>
<td>14.00</td>
<td>5.00 - 5.50</td>
<td>851000500011</td>
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<td>M6</td>
<td>0.80 - 1.60</td>
<td>19.00</td>
<td>5.50 - 6.00</td>
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<td>M8</td>
<td>1 - 2</td>
<td>24.00</td>
<td>6.50 - 7.00</td>
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<tr>
<td>M10</td>
<td>1.5 - 2.50</td>
<td>28.00</td>
<td>8.50 - 9.00</td>
<td>851001000011</td>
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</tbody>
</table>

**Special Request**
We can design specific features according to your application needs. A stud or pin version can be manufatured.

**Business field**

- Automotive
- Motorcycles
- Agriculture
- Office
- Domestic
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Romania
Russia
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Spain
Switzerland
Thailand
Turkey
United Kingdom
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Apart from these 24 countries, Böllhoff supports its international customers in other important industrial markets in close partnership with agents and dealers.