EJOT ALtracs® vs. EJOT ALtracs® Plus

The thread-forming ALtracs® screw for light alloy has undergone further development and is now available as ALtracs® Plus.

In addition to the proven performance qualities of the ALtracs® thread form, the ALtracs® Plus also features:

- lower installation torque
- improved application of the screw
- less abrasion

When changing over to ALtracs® Plus no modification of the hole geometry is necessary.

A general review of the torques is recommended when switching to ALtracs® Plus.

Our employees of the application engineering and the technical laboratory EJOT APPLITEC will gladly assist you.

### Detailed changes:

#### External diameter tolerance:

The tolerance of the ALtracs® Plus has been adjusted and is now in the +/− range. For that reason ALtracs® Plus is produced closer to the nominal diameter, which means that we are able to reach more consistent and lower installation torques. Metric Compatibility is maintained.

<table>
<thead>
<tr>
<th>Screw-Ø [mm]</th>
<th>1.6 - 2.2</th>
<th>2.5 - 3.5</th>
<th>4.0 - 5.0</th>
<th>6.0 - 8.0</th>
<th>9.0 - 10.0</th>
</tr>
</thead>
<tbody>
<tr>
<td>External-Ø tolerance</td>
<td>±0.04</td>
<td>±0.05</td>
<td>±0.06</td>
<td>±0.07</td>
<td>±0.09</td>
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<tr>
<td>EJOT ALtracs®</td>
<td>+0.08</td>
<td>+0.10</td>
<td>+0.12</td>
<td>+0.14</td>
<td>+0.18</td>
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<tr>
<td>EJOT ALtracs® Plus</td>
<td></td>
<td></td>
<td></td>
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</tbody>
</table>
Detailed changes (continued):

Screw point / forming zone:

The conical forming zone of the ALtracs® Plus improves application and insertion into the mating material. The length until the first, fully loaded turn of thread, has not changed at max. 4 x P (P = thread pitch). Variations in the hole diameter are easily compensated.

![ALtracs® non-circular thread forming zone](image)

**ALtracs®**

*non-circular thread forming zone*

![ALtracs® Plus conical thread forming zone](image)

**ALtracs® Plus**

*conical thread forming zone*

Thread flank:

The ALtracs® Plus thread flank is rounded off at the crest. This enables a more gentle forming of the light alloy and in turn easier tightening.

![ALtracs® - before: pointed](image)

**ALtracs® - before: pointed**

![ALtracs® Plus - new: rounded](image)

**ALtracs® Plus - new: rounded**

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