In modern automotive engineering adjustable rear lights are often used in order to ensure evenly spaced clearances.

EJOT® ADJUSTtec “multifunctional“ is a component made of a steel bushing with an external M 10 x 1 thread. Inside, a freely turnable plastic sleeve (with M 5 inside thread) takes up a double ended stud.

To prevent moisture penetration a plastic sealing washer has been integrated into the component.

The pre-adjusted component, with external TORX® E4 drive, is fastened into the screw boss of the add-on part in a self-tapping and self-locking way.

The rear light, equipped with these elements, is then fastened to the auto body at the production line of the OEM with just a few manual steps.

During the installation of the elements into the rear light and during fastening of the lights to the car body, the pre-assembly position remains the same. The adjustment of the add-on parts can be done at the plastic sleeve, without loosening the connection.

### Features of the adjustment element
- Pre-assembly to the add-on part possible
- Fast assembly at the production line
- Pre-adjusted, ready-to-install element
- Adjustment without loosening the connection
- No screw thread in the screw boss required
- Weight reduction through metal-plastic solution
- Large adjusting range
- Variable torque

### Field of application
- Fastening and adjusting of rear lights e.g. VW EOS
- Fastening and adjusting of add-on parts (plastic add-on parts)
Installation instruction / boss design

- Screw boss rear light according to the installation recommendation:

  Diameter M  = Ø 4.8 mm  
  Diameter F  = Ø 6.3 mm  
  Diameter K  = Ø 12 mm  
  $t_e$ = 12 mm  
  $s$ = 3 mm  
  $e$ = 1.8 ... 2.4 mm

- Installation rotation speed:

  $n = 500$ rpm

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**Technical information**

<table>
<thead>
<tr>
<th>Dimensions</th>
<th>Total length of the component [mm]</th>
<th>Connection light casing</th>
<th>Installation drive</th>
<th>Connection auto body</th>
<th>Pre-adjustment [mm]</th>
<th>Adjusting range [mm]</th>
<th>Prevaling torque [Nm]</th>
<th>Adjustment drive</th>
<th>Component weight [g/pc.]</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>A</td>
<td>C</td>
<td>D</td>
<td>B</td>
<td>H</td>
<td></td>
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<tr>
<td>M₅x32x44</td>
<td>44</td>
<td>DELTA PT® 60</td>
<td>TORX® E4</td>
<td>M10x1</td>
<td>5.5 ± 0.5</td>
<td>2.7</td>
<td>0.5</td>
<td>min.</td>
<td>A/F 7</td>
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<td>M₅x39x51</td>
<td>51</td>
<td>DELTA PT® 60</td>
<td>TORX® T4</td>
<td>M10x1</td>
<td>5.5 ± 0.5</td>
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</tbody>
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