Hinge with Fastening Bracket

The stepped mounting surface on the back of each hinge half allows for easy alignment in the cutout and the gasketed fastening brackets can be tightened with a single screw, allowing for easy hinge positioning.
To meet the requirements of industrial applications, the hinges must be sturdy, robust, and durable. Additionally, the hinges should offer simple assembly, high strength, and flexible usage.

For these applications, we have developed a hinge with fastening bracket, which ensures a precise fit in the rectangular cutout and allows for easy installation using only one screw. Additionally, the seals on the hinge provide protection against the ingress of water and dust.

Andreas Kothmair, Quality Management
Securely connected and well thought out design

1. The stepped mounting surface on the back of the hinge allows for easy alignment and a precise fit in the cutout
2. The fastening bracket allows for easy installation using only one screw per hinge half
3. IP 65/67 according to DIN EN 60529 (uniform sealing after tightening)
4. The use of oversized cutouts allow for vertical adjustments
5. The recessed fastening bracket is designed to connect to the back of the hinge to prevent the hinge from twisting
6. The hinge halves can be mounted independently to the door and frame parts
7. The hinge halves can be assembled by hand using the two-part POM hinge-pin (disassembly is no longer possible after the POM hinge-pin has been assembled)
8. Six knuckles in the hinge’s design ensure strength and durability
Universally applicable

In addition to its quick and easy installation, the hinge with fastening bracket offers the following product features:

- To accommodate various applications, the hinge is available in three sizes: 50×40, 54×50, 60×60
- Bracket with permanent/attached seal for secure fastening to sheet metal
- Pin is secured against forced removal
- For nested doors
- Hinge visible
- 180° opening angle
- Suitable for outdoor applications
- RH / LH application
03 Dimensions / Order Options

Materials
Hinge halves and bracket: zinc die, black
Pin: POM
Screw M6x12: zinc-plated steel
Moulded seal and o-ring: NBR

Notes
Max. material thickness 4 mm with included M6x12 mm screws. For larger material thicknesses, larger screws must be sourced.
<table>
<thead>
<tr>
<th>Product System</th>
<th>Dimension</th>
<th>Min. Cutout</th>
<th>Max. Cutout</th>
<th>Adjustment</th>
<th>Pin Material</th>
<th>Installation Type</th>
<th>Part Number</th>
<th>Link</th>
</tr>
</thead>
<tbody>
<tr>
<td>4-251</td>
<td>50×40 mm</td>
<td>10×30 mm</td>
<td>10×34 mm</td>
<td>+/- 2 mm</td>
<td>POM</td>
<td>screw-on</td>
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<td>54×50 mm</td>
<td>10×30 mm</td>
<td>10×39 mm</td>
<td>+/- 4.5 mm</td>
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<td>10×30 mm</td>
<td>10×44 mm</td>
<td>+/- 7 mm</td>
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<td>screw-on</td>
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