Versatile and flexible:  
**Special Hinges**

[Image of Versatile and flexible cabinets with hinges]
Flexibility and competency in meeting specific customer demands too
The range of special hinges provides the right fitting for particular applications, such as folding doors, flaps or glass doors.

It is also just as easy to produce designs with thin front panel materials, front frame constructions, or cases where no cup drilling can be made.

For thin materials
Glass door hinges for overlay or inset doors.

For folding doors
Center hinges in a variety of types.

For flaps
Markant flap hinges for combining with a flap stay.
Special Hinges

 Summary

Range summary
Special Hinges

- Glass door hinges
  - 6 – 9
- Center hinges
  - 10
- Face frame hinge with spring system
  - 11
- Flap hinges
  - 12 – 13
Special Hinges

Glass door hinge ET 5150 / ET 5150 Z

- Glass door hinge with stay closed function for inset doors
- Opening angle 170°
- ET 5150 and glass door handle: easy installation by clamping screw, no need to drill holes in the glass
- Where ET 5150 Z is used: 12 mm ø hole must be drilled in the glass
- Hinge including stick on anti-slip element
- Door format:
  - Height = inside carcase height - 4.4 mm
  - With glass door handle: width = inside carcase width - 5 mm
  - With other handle: width = inside carcase width - 4 mm
- Zinc die-cast

Glass door hinge ET 5150

<table>
<thead>
<tr>
<th>Article name</th>
<th>Finish</th>
<th>Order no.</th>
<th>PU</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glass door hinge ET 5150</td>
<td>nickel plated, matt, lacquered</td>
<td>0 024 908</td>
<td>20 pair</td>
</tr>
<tr>
<td>ET 5150 Z glass door hinge (additionally required for doors taller than 1000 mm)</td>
<td>nickel plated, matt, lacquered</td>
<td>0 069 934</td>
<td>10 ea.</td>
</tr>
<tr>
<td>Glass door handle</td>
<td>matt nickel plated</td>
<td>0 025 314</td>
<td>20 ea.</td>
</tr>
</tbody>
</table>

ET 5150 / ET 5150 Z

Glass door handle

Note

- Glass door hinge
- ET 5150
- ET 5150 Z
Special Hinges

- Glass door hinge ET 5160
- For overlay doors

- Glass door hinge with stay closed function for overlay doors
- Opening angle 170°
- Easy to install by clamping screw, no need to drill holes in the glass
- Hinge including stick on anti-slip element
- Door format:
  - Height = inside carcase height + 6.6 mm
  - Width = inside carcase width + 23 mm
- Zinc die-cast, matt nickel plated

### Glass door hinge ET 5160

<table>
<thead>
<tr>
<th>Article name</th>
<th>Order no.</th>
<th>PU</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glass door hinge ET 5160</td>
<td>0 030 866</td>
<td>20 pair</td>
</tr>
<tr>
<td>Glass door handle</td>
<td>0 025 314</td>
<td>20 ea.</td>
</tr>
</tbody>
</table>

### ET 5160

#### Note

- ≤ 6,3
- ≤ 8
- ≤ 600
- 12,5 lbs

### Glass door handle
**Glass door hinge ET 150**

- Glass door hinge without stay closed function for inset doors
- Opening angle 105°
- Easy to install by clamping screw, no need to drill holes in the glass
- Including pre-mounted anti-slip strip
- The clamping screw on the push handle can be used for a magnetic stay closed function, e.g. with D7 / GP9 magnetic catch
- Door format:
  - Height = inside carcase height - 6 mm
  - Width = inside carcase width - 5.6 mm
- Zinc die-cast, matt nickel plated

### Glass door hinge ET 150

<table>
<thead>
<tr>
<th>Article name</th>
<th>Order no.</th>
<th>PU</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glass door hinge ET 150</td>
<td>0 020 870</td>
<td>20 pair</td>
</tr>
<tr>
<td>Push handle on left</td>
<td>0 020 871</td>
<td>20 ea.</td>
</tr>
<tr>
<td>Push handle on right</td>
<td>0 020 872</td>
<td>20 ea.</td>
</tr>
</tbody>
</table>

### ET 150 / push handle

- Height = inside carcase height - 6 mm
- Width = inside carcase width - 5.6 mm
- Zinc die-cast, matt nickel plated

### Note

- ≤ 1000
- ≤ 500
- 14,2 lbs
Special Hinges

- Center hinge
- For folding doors, opening angle 180°

- Center hinge for folding doors
- For door thicknesses over 15 mm
- Same drilling pattern for door and side element, both elements are mounted separately
- The reveal can be infinitely adjusted from minimum reveal to + 4 mm, application is always flush
- Gradual adjustment of the pivot offset with 0 mm, 3 mm and 6 mm
- Zinc die-cast nickel plated

Center hinge with adjustable offset pivot

<table>
<thead>
<tr>
<th>Mounting option</th>
<th>Order no.</th>
<th>PU</th>
</tr>
</thead>
<tbody>
<tr>
<td>For screwing on</td>
<td>0 046 787</td>
<td>10 ea.</td>
</tr>
</tbody>
</table>

Drilling pattern for screwing on

- Ø 3.5 x 16
- 5,5
- 22,5
- 35
- 52

Door offset

Pivot offset

<table>
<thead>
<tr>
<th>Pivot offset mm</th>
<th>Door offset mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>3</td>
<td>6</td>
</tr>
<tr>
<td>6</td>
<td>12</td>
</tr>
</tbody>
</table>

By way of example for reveal = 3 mm
Special Hinges

- Face frame hinge with spring system
- For movable fascia

- For mounting movable attached columns
- Opening angle 90°
- The integrated spring system serves as a stay closed function in the closed position and also holds the fascia in line with the door in the 90° open position
- The slim side arm is particularly compact
- For example, for use with retractable door fitting
  For KA 5740, see sliding door systems
- Cup depth 12.5 mm
- Zinc die-cast nickel plated

Face frame hinge

<table>
<thead>
<tr>
<th>Order no.</th>
<th>PU</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 060 832</td>
<td>10 ea.</td>
</tr>
<tr>
<td>1 019 879</td>
<td>200 ea.</td>
</tr>
</tbody>
</table>

Mounting example

Drilling pattern

Mounting example

Note
Special Hinges

- Flap hinge Markant 7.1
- For overlay flaps

- Flap hinge for overlay flaps
- Quality classification under EN 15828, Level 2
- Door width x height: 600 mm x 450 mm
- Door weight 3.5 kg
- Cup diameter 35 mm / cup depth 11.8 mm
- Mounting plate and flap arm assembly separately
- Integrated depth adjustment + 2 mm / - 2 mm
- Height adjustment at mounting plate
- Can only be used in conjunction with flap stays
- Zinc die-cast nickel plated / nickel plated steel
- System 2006 mounting plates must be ordered separately

Flap hinge Markant 7.1

<table>
<thead>
<tr>
<th>Article name</th>
<th>Order no.</th>
<th>PU</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flap hinge Markant 7.1</td>
<td>0 046 849</td>
<td>25 pair</td>
</tr>
<tr>
<td>Flap hinge Markant 7.1 (right-hand type)</td>
<td>1 083 935</td>
<td>50 ea.</td>
</tr>
<tr>
<td>Flap hinge Markant 7.1 (left-hand type)</td>
<td>1 083 936</td>
<td>50 ea.</td>
</tr>
</tbody>
</table>

Flap / carcase drilling pattern

Minimum reveal required below the flap

<table>
<thead>
<tr>
<th>Cup distance C mm</th>
<th>Overlay A mm</th>
<th>Flap thicknesses mm</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>16</td>
<td>18</td>
</tr>
<tr>
<td>3</td>
<td>13</td>
<td>0.4</td>
</tr>
<tr>
<td>4</td>
<td>14</td>
<td>0.4</td>
</tr>
<tr>
<td>4.5</td>
<td>14.5</td>
<td>0.4</td>
</tr>
<tr>
<td>5</td>
<td>15</td>
<td>0.4</td>
</tr>
<tr>
<td>6</td>
<td>16</td>
<td>0.4</td>
</tr>
<tr>
<td>7</td>
<td>17</td>
<td>0.4</td>
</tr>
</tbody>
</table>
Flap hinge Markant 11

- Flap hinge for overlay flaps
- Quality classification under EN 15828, Level 2
- Separate installation of bottom panel and flap element
- Flap alignment through adjustment of height, sides and depth
- Same drilling sizes in bottom panel and flap elements
- Hole drilling concealed by rim on both parts
- Without height adjustment, bottom panel and flap are flush on the inside when open
- Can only be used in conjunction with flap stays
- Zinc die-cast nickel plated

### Mounting example

<table>
<thead>
<tr>
<th>Flap thickness TD mm</th>
<th>Minimum reveal SF mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>16</td>
<td>1.0</td>
</tr>
<tr>
<td>17</td>
<td>2.0</td>
</tr>
<tr>
<td>18</td>
<td>3.0</td>
</tr>
<tr>
<td>19</td>
<td>3.5</td>
</tr>
<tr>
<td>20</td>
<td>4.5</td>
</tr>
</tbody>
</table>

### Drilling pattern

- Flap hinge Markant 11
- For overlay flaps

### Note

- Flap thickness TD mm
- Minimum reveal SF mm
- 450
- 600
Hettich takes a responsibility for the world we live in. This awareness defines the strict policy of environmental management that we practise. Our environmental officer has taken personal responsibility for these aspects throughout the group of companies over a period of many years. In addition, a separate environment committee has been established for each production site. We regard statutory provisions as minimum requirements. At significant sites we also implement the stringent EMAS Regulation. And we drive forward developments that in future will help to save even more raw materials and support the necessary endeavours towards sustainability.

**Hettich environmental management**

In 1996 Hettich started introducing effective environmental management systems under the stringent EMAS Regulation (currently: EC Regulation No. 761/2001, including EN ISO 14.001/2004). This not only enables us to improve our environmental performance on a broad front but also to achieve a high level of safety which, not least, also benefits our customers. This is why we also require our suppliers to meet the necessary minimum standards of environmental protection, industrial safety, health care and social welfare.

The results achieved in the drawer runner and drawer system product segment at the Kirchlengern operation in Germany illustrate the impressive effects these measures have and verifiably demonstrate our tireless endeavours to translate words into action:

Relief to the environment between 1997 and 2008:

- Specific water consumption: 56 per cent
- Specific power consumption: 21 per cent
- Specific heat consumption: 84 per cent
- Specific CO₂ emissions: 29 per cent
Hettich standard for product materials

Hettich underpins its commitment by applying an internal standard for product materials. This ensures that every product – from production to disposal – satisfies all environmental requirements. Hettich products are durable. Appropriately foresighted, our rigorous standards are formulated to ensure that international legislation is also met. This provides a reliable base for marketing furniture worldwide.

Zero-energy building – Hettich Forum

The Hettich Forum building with its neutral energy balance is a shining example of future-proof building design. Photovoltaic panels and a solar collection system providing hot water as well as extensive roof greening and use of rain water underscore this building’s overall sustainability concept in just the same way as the broad use of cellulose insulation material from recycled newspapers, highly efficient heat recovery and the bulb-free lighting concept do.

With the Hettich Group having acquired European Commission GreenBuilding Partner status on 5 March 2009, the comprehensive approach demonstrated by the Hettich Forum has also convinced the adjudicating panel of the national "Green Building Award 2009". Hettich received the first prize to be presented in the "New Building" category.
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