Hinge Technology
Defying the Laws of Leverage
The hinge connects the door leaf to the frame and enables its opening and closing. The German term Band originates from the time when doors had iron bands fitted to them, the ends of which were bent to form an eye. This eye was then hung onto a tang protruding from the door frame, thus giving rise to the English word hinge.

Many aphorisms have been dedicated to doors. One of the most powerful comes from a quote by Archimedes: "Give me a firm location outside our earth, and I will lift the world off its hinges". This adage is always used when something fundamental is changed, when a philosophy alters or a paradigm is to be reappraised. Archimedes was referring to the laws of leverage.

This remains true to this day: good hinges ensure that doors open the way we expect them to. They define the fulcrum - and thereby the mobility of the door - and give the door leaf a solid support. Door hinges must be precisely coordinated to the dimensions of a door - to its measurements, weight, type of mounting and location. They are not just hard-wearing components of a door. Hettich can look back on decades of experience in the manufacture of hinges.
The quality of a hinge can be seen from the details. Hettich is the specialist for hinges and can score points here - not only through the fact that hinges can be used DIN-left / DIN-right without conversion.

### Premium ball Bearing

With its patented ball-bearing technology, Hettich has a unique selling point in the market and sets a new standard in the premium segment. The right product for those who place the highest demands on a door hinge. HBX and HBN hinges are absolutely maintenance-free and work without any lubrication. Unsightly deposits of grease and oil on the visible parts of the hinge are a thing of the past. The absolutely play-free door bearings guarantee optimum load transfer via both hinges.

### Cast Roller Holders

The processing of stainless steel is a demanding affair, as can be seen from the example of the hinge roller: Hettich investment casting technology produces a perfect, closed roller holder. Thanks to the homogeneity of the material all the way through to the hinge flaps, the load transfer of our hinges is guaranteed to a well above average extent. That precision and quality of this kind are not a matter of course can be seen from the rival product depicted here. The holder of this roller has some play and can be levered up - a mortgage on the service life of the product and an invitation to burglars.

### Defined edges

Hettich hinge plates are in a class of their own where aesthetics and precision are concerned. The defined edge of the holder surface ensures the best possible fitting precision and force distribution.

### System-identical finish pattern

Hettich perceives the door as a system consisting of all of the functional elements that make a door open and close. Where the hinge plates are concerned, Hettich demonstrates a love of detail by polishing the stainless steel surface of the hinges in the longitudinal direction so that the fine finish pattern thus produced is exactly the same as the one on the handle fittings from the company.
The quality of a hinge is determined to a great extent by the quality of the bearing. That is why Hettich developed its own bearing technology especially for its hinge plates and registered it for patenting (DE 1036 1548 B4). The bearing is characteristic: the roller is guided top and bottom on a steel ball, each mounted in two high-strength plastic trays. This specific bearing is wear, maintenance and play-free and guarantees the light and smooth running of the door. The double bearing controls axial and radial forces effectively and permanently. In a series of practical tests, this bearings technology was successfully tested by an independent institute for more than one million closing actions. That more than guarantees lifelong, secure functioning.

HBN hinge plates – Firmly bolted for fixed doors
Hinge plates of this type are installed by the door manufacturer or processor and cannot be adjusted. The number behind the HBN mark indicates the diameter of the roller used. Hinge plate HBN 20 is cast in stainless steel for the highest possible surface quality and fitting precision of the roller and eye.

HBX hinge plates – Perfectly adjustable
Because hinge plates of this type are three dimensionally adjustable within the element that holds them when the door is mounted, installation is made considerably easier. The number behind the HBX mark indicates the diameter of the roller used. Hinge plate HBX 20 is cast in stainless steel for the highest possible surface quality and fitting precision of the roller and eye.

Premium Ball Bearing

Hinge plates – Versions
The high-quality hinge plates from Hettich are available for all standard door types. Individual solutions to match each door are also available, depending on requirements.

HPD hinge plates – Perfectly adjustable
Because hinge plates of this type are dimensionally adjustable within the element that holds them when the door is mounted, installation is made considerably easier. The number behind the HPD mark indicates the diameter of the roller used. Hinge plate HPD 20 is cast in stainless steel for the highest possible surface quality and fitting precision of the roller.

HPB hinge plates – Firmly bolted for fixed doors
Hinge plates of this type are installed by the door manufacturer or processor and cannot be adjusted. The number behind the HPB mark indicates the diameter of the roller used. Hinge plate HPB 20 is cast in stainless steel for the highest possible surface quality and fitting precision of the roller.

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**The Highlights of Hettich Butt Hinges**

<table>
<thead>
<tr>
<th>Seamless Design</th>
<th>One Compact Unit</th>
<th>Ball bearing unit for axial and radial directions</th>
</tr>
</thead>
<tbody>
<tr>
<td>HBN 20/18/14: A very clean and elegant design of hinges have no seams; having no irregular transitions, interruptions, or indications of disparity. There is no risk of misalignment of the knuckles during usage, which in turn, increases the life of hinge automatically. It is made by innovative automation process resulting in tolerance free hinge.</td>
<td>HBN 20/18/14: It's a compact unit without any pin or cap, so there is no risk of pin falling out or cover cap getting lost. Lesser components comprises more strength and provides extra security as there is no such part to disassemble the hinge easily.</td>
<td>HBN 20/18/14: Patented self lubricating Single large Ball bearing works in all directions and is perfectly embedded in the system providing assured stability and balance of door. No dirt accumulation, no leakage of grease and no bacteria can settle down in the grease, so in a way, it's maintenance free too.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Star shaped fixing holes</th>
<th>Self Lubricating Technology</th>
<th>Weight carrying capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>HBN 14: This shape of fixing holes allows hinge to bear heavy load for longer period. It provides tighter fixation of screws.</td>
<td>HBN 20/18/14: HBN series hinges have concealed ball bearing with solid lubricant hence preventing lubrication and maintenance. Self lubrication technology also prevent settling of bacteria and dirt on the door edges.</td>
<td>HBN 20/18/14: HBN series hinges can be used for heavier doors, so two hinges are sufficient enough to hold the door of 300 kg or more.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Less opening resistance</th>
<th>Innovative Manufacturing</th>
<th>Performance</th>
</tr>
</thead>
<tbody>
<tr>
<td>It offers less than 1Nm resistance while opening of door which allows elderly people and children to operate the door easily. Also this feature of HBN 14 reduce stress on door closers.</td>
<td>Innovative laser welding and casting technology offers less tolerance of the component. These processes are automated hence reducing manufacturing defect.</td>
<td>HBN series hinges offers high performance under pressure. Our hinges are 1,000,000 cycles tested.</td>
</tr>
</tbody>
</table>
Technical, construction and aesthetic requirements determine the form of the edge of the door leaf – and consequently the required hinge. Typical edge types are blunt notch and rebated doors – and variations thereof. Hettich has hinges in its range for the following door notch versions:

### Rebated door versions

<table>
<thead>
<tr>
<th>Rebated door</th>
</tr>
</thead>
<tbody>
<tr>
<td>The rebated door leaf has a single groove on the lateral and upper edge. The closed door locks into the frame so that no gap is visible.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Rebated door with leaf seal</th>
</tr>
</thead>
<tbody>
<tr>
<td>This rebated door has an additional seal in the locking groove</td>
</tr>
</tbody>
</table>

### Variations of the flush door

<table>
<thead>
<tr>
<th>Flush door</th>
</tr>
</thead>
<tbody>
<tr>
<td>The door leaf of a flush door is flush with the frame when closed. A circumferential gap (joint clearance) remains visible from the abutment side.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Flush door with double groove</th>
</tr>
</thead>
<tbody>
<tr>
<td>This door combines the optical effect of the flush door (frame and door leaf flush) with the improved sealing properties of the grooved door. A double rubber seal in the door frame ensures outstanding sound and heat insulation. This makes the double groove door a typical front door in many homes.</td>
</tr>
</tbody>
</table>

### Variants of the grooved, flush-surface door

<table>
<thead>
<tr>
<th>Diminishing door</th>
</tr>
</thead>
<tbody>
<tr>
<td>A special door design with which continuous wall panelling extends over the door leaf. The door leaf is grooved but closes flush with the panelling. A circumferential gap (joint clearance) remains visible from the abutment side.</td>
</tr>
</tbody>
</table>
Hinge Technology
▶ HBN- 20 Series

Mortise Flush Door Hinge

- Ø Barrel diameter : 20 mm
- Material thickness : 3.5 mm
- Screw: 5 x 50 mm
- Milling diameter: 24 mm
- Milling length: 160 mm, Milling width: 97 mm
- Milling depth: 3.5 mm
- For unrebated doors on upright standing pillars
- Inner, firmly rotating axis
- Wear and maintenance-free ball bearing technology
- Loading capacity Class 14 (maximum door load): 300 kg/pair
- Left / Right useable
- Suitable for mortise flush security doors
- Frame types: Wood

Approved & Certified Product:

Dimension drawing

Milling drawing

Top view

<table>
<thead>
<tr>
<th>S.no.</th>
<th>Description</th>
<th>Unit</th>
<th>Article No.</th>
<th>PU</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>HBN- 20-4141/160</td>
<td>Pair</td>
<td>9 228 227</td>
<td>01</td>
</tr>
</tbody>
</table>
Mortise Flush Door Hinge

- Ø Barrel diameter : 18 mm
- Material thickness : 3.5 mm
- Screw: 5 x 50 mm
- Milling diameter: 24 mm
- Milling length: 160 mm, Milling width: 88 mm
- Milling depth: 3.5 mm
- For unrebated doors on upright standing pillars
- Inner, firmly rotating axis
- Wear and maintenance-free ball bearing technology
- Loading capacity Class 11 (maximum door load): 180 kg/pair
- Left / Right useable
- Suitable for mortise flush security doors
- Frame types: Wood

<table>
<thead>
<tr>
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<th>Description</th>
<th>Unit</th>
<th>Article No.</th>
<th>PU</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>HBN- 18-4141/160</td>
<td>Pair</td>
<td>9 228 228</td>
<td>01</td>
</tr>
</tbody>
</table>

Approved & Certified Product:

CE EN 1935 F

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Hinge Technology
› HBN- 18 Series

Mortise Flush Door Hinge

- Ø Barrel diameter: 18 mm
- Material thickness: 3.5 mm
- Screw: 5 x 50 mm
- Milling diameter: 24 mm
- Milling length: 120 mm, Milling width: 88 mm
- Milling depth: 3.5 mm
- For unrebated doors on upright standing pillars
- Inner, firmly rotating axis
- Wear and maintenance-free ball bearing technology
- Loading capacity Class 11 (maximum door load): 120 kg/pair
- Left / Right useable
- Suitable for mortise flush security doors
- Frame types: Wood

Approved & Certified Product:

CE EN 1935

<table>
<thead>
<tr>
<th>S.no.</th>
<th>Description</th>
<th>Unit</th>
<th>Article No.</th>
<th>PU</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>HBN- 18-4141/120</td>
<td>Pair</td>
<td>9 228 229</td>
<td>01</td>
</tr>
</tbody>
</table>
Hinge technology

HBN-18 Series

Flag Hinge

- Ø Barrel diameter: 18 mm
- Material thickness: 3 mm
- Flat machine screw: 10 x M5 x 12 mm
- Pointed wood screw: 10 x M5 x 30 mm
- Door types: Unrebated
- Loading capacity: 50 kg/pair
- Left / Right useable
- Suitable for mortise flush doors
- Door Material: Steel, Wooden Doors
- Frame types: Wood, Steel

Dimension drawing 5" x 4" x 3

Top view

<table>
<thead>
<tr>
<th>S.no.</th>
<th>Description</th>
<th>Unit</th>
<th>Article No.</th>
<th>PU</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>HBN-18-127/102-FLG</td>
<td>Pair</td>
<td>9228243</td>
<td>01</td>
</tr>
</tbody>
</table>
Hinge technology

HBN-18 Series

Spring Hinge

- Ø Barrel diameter: 18 mm
- Material thickness: 3 mm
- Flat machine screw: 8 x M5 x 12 mm
- Pointed wood screw: 8 x M5 x 30 mm
- Door types: Unrebated
- Loading capacity: 40 kg/pair
- Left / Right useable
- Suitable for mortise flush doors
- Door Material: Steel, Wooden Doors
- Frame types: Wood, Steel

Dimension drawing 4” x 4” x 3

Top view

<table>
<thead>
<tr>
<th>S.no.</th>
<th>Description</th>
<th>Unit</th>
<th>Article No.</th>
<th>PU</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>HBN-18-102/102-SPR</td>
<td>Pair</td>
<td>9 228 242</td>
<td>01</td>
</tr>
</tbody>
</table>

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Hinge Technology

HBN - 14 Series

3 mm thick leaf with 14mm dia of barrel.
1,000,000 cycles tested.
Available sizes: 4x3/4x3.5/4x4/4.5x4/5x3/5x4/5x5.
Loading capacity Class 14 (maximum door load): 160 kg/pair
DIN Left/Right usable.
Frame types: Wood, Steel and Aluminum.
Standard finish: SS.

Available sizes:

<table>
<thead>
<tr>
<th>S.No.</th>
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<th>Unit</th>
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<th>PU</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>HBN - 14 4x3x3 mm</td>
<td>Pair</td>
<td>9228721</td>
<td>01</td>
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<tr>
<td>2</td>
<td>HBN - 14 4x3.5x3 mm</td>
<td>Pair</td>
<td>9228722</td>
<td>01</td>
</tr>
<tr>
<td>3</td>
<td>HBN - 14 4x4x3 mm</td>
<td>Pair</td>
<td>9228723</td>
<td>01</td>
</tr>
<tr>
<td>4</td>
<td>HBN - 14 4.5x4x3 mm</td>
<td>Pair</td>
<td>9228724</td>
<td>01</td>
</tr>
<tr>
<td>5</td>
<td>HBN - 14 5x3x3 mm</td>
<td>Pair</td>
<td>9228725</td>
<td>01</td>
</tr>
<tr>
<td>6</td>
<td>HBN - 14 5x3.5x3 mm</td>
<td>Pair</td>
<td>9228726</td>
<td>01</td>
</tr>
<tr>
<td>7</td>
<td>HBN - 14 5x4x3 mm</td>
<td>Pair</td>
<td>9228727</td>
<td>01</td>
</tr>
<tr>
<td>8</td>
<td>HBN - 14 5x5x3 mm</td>
<td>Pair</td>
<td>9228728</td>
<td>01</td>
</tr>
</tbody>
</table>

Dimension drawing

Approved & Certified Product: ANSI/BHMA 156
Hinge technology

- HBN-13 Series

**Butt Hinge**

- Ø Barrel diameter: 14 mm
- Material thickness: 3 mm
- Fasten screw: 5x50 mm
- Milling diameter: 3 mm
- Door types: Unrebated
- Loading capacity Class 11 (maximum door load): 80 kg/pair
- Single turn: 21 mm
- Left / Right useable
- Door Material: Steel, Wooden Doors
- Frame types: Wood, Steel & Aluminum

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**Approved & Certified Product:**

CE EN 1935

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**Dimension drawing 4” x 3.5” x 3**

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**Dimension drawing 4” x 4” x 3**

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**Dimension drawing 4.5” x 4” x 3**

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<table>
<thead>
<tr>
<th>S.no.</th>
<th>Description</th>
<th>SS Satin</th>
<th>SS Polished</th>
<th>SS PVD</th>
<th>Unit</th>
<th>PU</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>HBN-13-114/102</td>
<td>9 228 230</td>
<td>9 228 231</td>
<td>9 228 232</td>
<td>Pair</td>
<td>01</td>
</tr>
<tr>
<td>2</td>
<td>HBN-13-102/102</td>
<td>9 228 233</td>
<td>9 228 234</td>
<td>9 228 235</td>
<td>Pair</td>
<td>01</td>
</tr>
<tr>
<td>3</td>
<td>HBN-13-102/89</td>
<td>9 228 236</td>
<td>9 228 237</td>
<td>9 228 238</td>
<td>Pair</td>
<td>01</td>
</tr>
<tr>
<td>4</td>
<td>HBN-13-102/76</td>
<td>9 228 239</td>
<td>9 228 240</td>
<td>9 228 241</td>
<td>Pair</td>
<td>01</td>
</tr>
</tbody>
</table>

* Further sizes on request

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Hinge technology

HBN-13 Series

Lift off Hinge

- Ø Barrel diameter: 14 mm
- Material thickness: 3 mm
- Flat machine screw: 4 x M5 x 12 mm
- Pointed wood screw: 4 x M5 x 12 mm
- Door types: Unrebated
- Loading capacity: 40 kg/pair
- Left / Right usable
- Suitable for mortise flush doors
- Door Material: Steel, Wooden Doors
- Frame types: Wood, Steel

Dimension drawing 4" x 3.5" x 3

Top view

<table>
<thead>
<tr>
<th>S.no.</th>
<th>Description</th>
<th>Unit</th>
<th>Article No.</th>
<th>PU</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>HBN-13-4353C/102</td>
<td>Pair</td>
<td>9228245</td>
<td>01</td>
</tr>
</tbody>
</table>
Hinge technology

HBN-13 Series

Rising Hinge

- Ø Barrel diameter: 14 mm
- Material thickness: 3 mm
- Flat machine screw: 4 x M5 x 12 mm
- Pointed wood screw: 4 x M5 x 12 mm
- Rise in Hinge: 6.5 mm for 90° opening, 12.4 mm for 180° opening.
- Door types: Unrebated
- Loading capacity: 26 kg/pair
- Left / Right useable
- Suitable for mortise flush doors
- Door Material: Steel, Wooden Doors
- Frame types: Wood, Steel

<table>
<thead>
<tr>
<th>S.no.</th>
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<th>Unit</th>
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<th>PU</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>HBN-13-102/76-RSN</td>
<td>Pair</td>
<td>9 228 244</td>
<td>01</td>
</tr>
</tbody>
</table>
Square Hinge

- Ø Barrel diameter: 14 mm
- Material thickness: 3 mm
- Flat machine screw: 8 x M5 x 12 mm
- Pointed wood screw: 8 x M5 x 30 mm
- Door types: Unrebated security
- Loading capacity: 50 kg/pair
- Left/Right useable
- Suitable for mortise flush security doors
- Door Material: Steel, Wooden Doors
- Frame types: Wood, Steel

<table>
<thead>
<tr>
<th>S.no.</th>
<th>Description</th>
<th>Unit</th>
<th>Article No.</th>
<th>PU</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>HBN-13-Square C</td>
<td>Pair</td>
<td>9 228 246</td>
<td>01</td>
</tr>
</tbody>
</table>
Flush Hinge

- Ø Barrel diameter: 12 mm
- Material thickness: 2.5 mm
- Flat machine screw: 6 x M5 x 12 mm
- Pointed wood screw: 8 x M5 x 30 mm
- Door types: Unrebated security
- Loading capacity: 40 kg/pair
- Left / Right useable
- Suitable for mortise flush security doors
- Door Material: Steel, Wooden Doors
- Frame types: Wood, Steel

Dimension drawing 4" x 3" x 2.5

Top view

<table>
<thead>
<tr>
<th>S.no.</th>
<th>Description</th>
<th>Unit</th>
<th>Article No.</th>
<th>PU</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>HBN-13-4325ZM/102</td>
<td>Pair</td>
<td>9 228 247</td>
<td>01</td>
</tr>
</tbody>
</table>
Hinge technology

Butt hinges

Butt Hinge

- Ø Barrel diameter: 14.2 mm
- Material thickness: 3 mm
- Pointed wood screw: 8 x 40 mm
- Door types: Unrebated security
- Loading capacity: 50 kg/pair
- Left / Right useable
- Suitable for mortise flush security doors
- Door Material: Steel, Wooden Doors
- Frame types: Wood, Steel

Dimension drawing 4” x 4” x 3

<table>
<thead>
<tr>
<th>S.no.</th>
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<th>Unit</th>
<th>Article No.</th>
<th>PU</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>SS 304 (4” x 3” x 3”) mm</td>
<td>Pair</td>
<td>1 423 81</td>
<td>20</td>
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<tr>
<td>2</td>
<td>SS 304 (5” x 3” x 3”) mm</td>
<td>Pair</td>
<td>1 129 304</td>
<td>20</td>
</tr>
<tr>
<td>3</td>
<td>SS 304 (4” x 3” x 3”) w/o screw-Bulk Pack, loading capacity 50 kg/pair</td>
<td>Pair</td>
<td>9 230 906</td>
<td>100</td>
</tr>
<tr>
<td>4</td>
<td>SS 304 (5” x 3” x 3”) w/o screw-Bulk Pack, loading capacity 50 kg/pair</td>
<td>Pair</td>
<td>9 230 907</td>
<td>100</td>
</tr>
</tbody>
</table>
Hinge technology

- **Concealed Hinges**

### Dimension Specification

<table>
<thead>
<tr>
<th>Dimension</th>
<th>HBC-25-1835/117</th>
<th>HBC-28-2245/117</th>
<th>HBC-35-2650/139</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>19.05 mm</td>
<td>25.40 mm</td>
<td>28.58 mm</td>
</tr>
<tr>
<td>B</td>
<td>13.49 mm</td>
<td>18.26 mm</td>
<td>22.23 mm</td>
</tr>
<tr>
<td>C</td>
<td>95.25 mm</td>
<td>117.48 mm</td>
<td>117.48 mm</td>
</tr>
<tr>
<td>D</td>
<td>3.97 mm</td>
<td>5.56 mm</td>
<td>9.53 mm</td>
</tr>
<tr>
<td>E</td>
<td>4.76 mm</td>
<td>6.35 mm</td>
<td>6.35 mm</td>
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<tr>
<td>F</td>
<td>52.39 mm</td>
<td>65.88 mm</td>
<td>61.91 mm</td>
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<tr>
<td>G</td>
<td>1.19 mm</td>
<td>1.59 mm</td>
<td>1.59 mm</td>
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<tr>
<td>H</td>
<td>27.38 mm</td>
<td>36.51 mm</td>
<td>41.67 mm</td>
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<tr>
<td>I</td>
<td>9.53 mm</td>
<td>11.91 mm</td>
<td>10.32 mm</td>
</tr>
<tr>
<td>Min. door thickness</td>
<td>28.58 mm</td>
<td>34.93 mm</td>
<td>44.45 mm</td>
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<table>
<thead>
<tr>
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<th>PU</th>
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<tbody>
<tr>
<td>1</td>
<td>HBC-25-1835/117 Min door thickness- 29 mm</td>
<td>Pair</td>
<td>9 228 248</td>
<td>01</td>
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<tr>
<td>2</td>
<td>HBC-28-2245/117 Min door thickness- 35 mm</td>
<td>Pair</td>
<td>9 228 249</td>
<td>01</td>
</tr>
<tr>
<td>3</td>
<td>HBC-35-2650/139 Min door thickness- 45 mm</td>
<td>Pair</td>
<td>9 228 250</td>
<td>01</td>
</tr>
</tbody>
</table>
3-D Adjustable Concealed Hinges

- Size: 150 mm
- Material thickness: 9.53 mm
- Pointed wood screw: M5
- Loading capacity: 40 kg/pair
- Maximum opening angle: 180°
- Minimum Door Thickness: 35 mm
- 3-D adjustable Range:
  - +/- 3 mm Up and down
  - +/- 2 mm Left and right
  - +/- 1 mm Front and back
- Material: Base - Zinc alloy
  Connector - Aluminium alloy
- Door types: Unrebated security
- Left / Right useable
- Door Material: Wooden Doors
- Frame types: Wood
- Finish: Stainless Steel

<table>
<thead>
<tr>
<th>S.no.</th>
<th>Description</th>
<th>Unit</th>
<th>Article No.</th>
<th>PU</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>HBC-25-1440/150Z-3D</td>
<td>Pair</td>
<td>9 228 474</td>
<td>01</td>
</tr>
</tbody>
</table>
Concealed Hinges

- Size: 177 mm
- Material thickness: 9.53 mm
- Pointed wood screw: M5
- Loading capacity: 80 kg/pair
- Maximum opening angle: 180°
- Minimum Door Thickness: 40 mm
- 3-D adjustable Range: +/- 3 mm Up and down
  +/- 2 mm Left and right
  +/- 1 mm Front and back
- Material: Base - Zinc alloy
  Connector - Aluminium alloy
- Door types: Unrebated security
- Left / Right useable
- Door Material: Wooden Doors
- Frame types: Wood
- Finish: Stainless Steel

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<td>01</td>
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</tbody>
</table>
Hinge technology

Concealed Hinges

- Size: 246 mm
- Material thickness: 9.53 mm
- Pointed wood screw: M5
- Loading capacity: 120 kg/pair
- Maximum opening angle: 180°
- Minimum Door Thickness: 45 mm
- 3-D adjustable Range: +/- 3 mm Up and down
  +/- 2 mm Left and right
  +/- 1 mm Front and back
- Material: Base - Zinc alloy
  Connector - Aluminium alloy
- Door types: Unrebated security
- Left / Right useable
- Door Material: Wooden Doors
- Frame types: Wood
- Finish: Stainless Steel

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Dimension drawing

Mounting drawing

Trepanning drawing
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customer_services@in.hettich.com
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