Door closer technology
The company's origins date back to 1888, when Karl Hettich began making the new clock component he had invented. By 1930, his descendants had diversified into furniture fittings, setting up production in East Westphalia – a centre of the German furniture industry. Today, Hettich, still family owned, has become an industry leader with a worldwide reputation.

We’re one of the world’s largest manufacturers of high-quality furniture fittings, with over 6,000 employees in more than 100 countries. The company’s success has been built on four enduring values: quality, innovation, close cooperation with customers and absolute reliability. We work to inspire our customers with our ideas and our passion.
Hettich – an Indian success story
Hettich started operations in India with the dawn of new millennium. In the short span of 14 years, the company has gained the undisputed leadership position in the Indian furniture fittings & hardware industry. Hettich India prides itself on having most of the major hardware dealers in India as its trade partners across the country. These dealers are spread over all important cities and towns, so that they are within easy reach of the customer. Hettich India delivers complete “peace of mind” to the Indian furniture manufacturing industry. We have a strong reputation for providing high quality and high tech products. Our products are backed by pre- and after-sales service and on-time deliveries, and by value adding services like design and installation support.
Quality
Hettich products stand for high quality. Once assembled, our fittings function perfectly day in, day out. High quality products and processes confirm our sense of value, our self confidence and our image. The way to our quality goal is for each one of us to cultivate an intense quality awareness.

Innovation
The right balance of continuity and innovation generates trust in the Hettich brand. We offer timely, high-value solutions for today’s furniture; at the same time, we identify and shape the trends of tomorrow. We review and improve existing solutions ready for the future. Driving innovation is our capacity for looking at things from new angles.

Closeness to customers
For us closeness to customers implies sharpened awareness, attention to detail, a grasp of complex challenges, and efficiency in production and logistics. We know our customers. We’re there when our customers need us! The keynote of our partnership with our customers is direct, person-to-person communication.

Reliability
Quality, innovation, closeness to customers – they’re nothing without reliability! Reliability encompasses the durability of our products and the reliability of Hettich people – each and every one of us. The solid basis for reliability is robust and stable processes.
Most of the Hettich hardware are in accordance with the following European standards:

- DIN EN 1154 A: Door Closing Devices
- DIN EN 1906: Lever Handles & Knob furniture
- DIN EN 179: Emergency Exit Locks with Door Handles
- DIN EN 1125: Panic Exit Devices
- DIN EN 12209: Mechanically operated Locks, Latches & Locking Plates
- DIN EN 1935: Hinges

### EN Standards

<table>
<thead>
<tr>
<th>EN Value</th>
<th>Recommended Door Width (MM)</th>
<th>Recommended Door Weight (KG)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EN 1</td>
<td>750</td>
<td>20</td>
</tr>
<tr>
<td>EN 2</td>
<td>850</td>
<td>40</td>
</tr>
<tr>
<td>EN 3</td>
<td>950</td>
<td>60</td>
</tr>
<tr>
<td>EN 4</td>
<td>1100</td>
<td>80</td>
</tr>
<tr>
<td>EN 5</td>
<td>1250</td>
<td>100</td>
</tr>
<tr>
<td>EN 6</td>
<td>1400</td>
<td>120</td>
</tr>
<tr>
<td>EN 7</td>
<td>1600</td>
<td>160</td>
</tr>
</tbody>
</table>
The new door closer generation from Hettich: a meticulously well-conceived design consisting of a stainless steel cover and aluminium body. Concealed mounting plates, adjusting elements protected against vandalism, colour-matched materials and the variable combination of all slide rail door closers with closing sequence regulator systems are the distinguishing features of this new generation of door closer models.
The Highlights of Hettich Door Closer Range

Two units for the entire building

The Hettich closer portfolio covers all door dimensions with only two basic closer units. In addition to this, end-mounted valve technology permits the mounting of the same closer on the hinge and hinge-opposite side (HSS-41/31).

Combination of elegant materials

Elegant materials are standard with Door Closer: the stainless steel cover and aluminium body unit of the new door closer generation are perfectly matched with one another – in an architecturally compatible form language.

Intelligent Stainless Steel cover

Hettich Clic envelopes the aluminium body unit with the power of spring steel. The cover conceals all of the adjusting elements and cannot be removed without tools, thus securing the closer against unauthorized access.

Well-conceived assembly system

The special feature of the Door Closer assembly system is that the mounting plate is completely concealed by the aluminium body of the closer, thus making it invisible. The mounting plate has standardized drill holes which guarantee time-saving, secure and simple attachment.

New valve technology

The new Hettich valve technology offers a wide and precisely adjustable setting range. This means the simple, high-precision and permanently secure adjustment of all parameters of the closing process with one conventional alien key. As with all Hettich door closers, the closing speed and latching speed are regulated via the Hettich valve as a standard feature.

Stainless steel full cover

The full cover is an optional stainless steel covering for the Hettich door closers and related slide rails. The overall appearance is perfected by a lever arm with a stainless steel look. A cover on the closer body is available for standard arm closers.

Save resources

Hettich door closers are up to 1,000 grams lighter than comparable solutions. Their intelligent construction and carefully planned use of materials help considerably to save resources without compromising functionality, safety, security or quality.

Uniform finishing edge & colour design

The mounted slide rail and door closer are flush when the door is closed. The colours of all materials are perfectly matched – right down to the end caps of the slide rail. In this way, Hettich door closers can be integrated harmoniously into every design context.

Combination talent

The Hettich Door closer Vario concept permits the use of all slide rail door closers and can even be combined with different door leaf widths. In this way, optimum value for money can be achieved for each individual door situation.
Basic Terminology Related to Door Closers

- **Closing Speed:** Continuously adjustable from 180° to 0°

- **Latching Speed:** Continuously adjustable from 0° to 180°

- **Back Check:**
  - 1. Continuously adjustable
  - 2. Constant

- **Delayed Action:** Continuously adjustable between 180° to 70°

- **Hold Open:** Optional 70° to 130°
  - 1. Hold Open Device for Slide Rail
  - 2. Hold Open Arm

- **Closing Moment and Closing Speed:** The force generated by a door closing device which acts upon during the closing operation. It helps to adjust closing force according to width & weight of the door.

- **Adjustable Closing Power:** By turning the Hex Notch clockwise or anticlockwise spring strength changes.

- **Adjustable Closing Speed:** By turning Valve Screw the flow of Liquid can be altered for adjustment of Closing speed.

- **Latching Speed:** A speed control operable to increase the closing speed and thus the safe closing of the door, for example to overcome door seals, door locks and high air pressure. Continuously Adjustable Latching speed ensures perfect latching of all kind of locks.

- **Latching speed valve:** By turning Valve Screw the flow of Liquid can be further altered for adjustment of Latching speed.

- **Back Check:** An inbuilt buffer which helps to prevent a door leaf being flung wide open by providing cushioning effect when the door is thrown open. Reduces the opening speed starting at 70° and avoids the slamming of the door.
  
  Two variants in back check
  
  1. Continuously Adjustable
  
  2. Constant

- **Delayed Action:** An inbuilt function that allows delay in closing door for an adjustable period of time allowing the disabled, elderly people or long trolleys, stretchers to pass through the door unhindered.

  Reduces the closing speed and allows a safer passing for people and transports. Especially suitable for the use in nursing homes and hospitals

- **Hold Open:** Additional Feature which ensure self stopping of doors at a certain angle i.e. 70° to 130°. To achieve this additional Component to be added in Slide rail or Standard Arm to be replaced by Hold Open Arm

  1. Hold Open Device for Slide Rail
  
  2. Hold Open Arm
Hettich Door Closer

Internal Mechanism

Rack And Pinion (Symmetric) Mechanism

A RACK & PINION device is designed primarily to convert rotary motion into linear motion and vice versa. The gear wheel (PINION) engages a flat tooted bar (RACK). The PINION in overhead type door closer is attached to an arm. When the door is manually pushed open, the PINION is rotated and moves the RACK. The movement of the RACK compresses a spring.

Once the door is released, the spring forces the RACK back which rotates the PINION and thus closes the door. Hydraulically controlled RACK & PINION door closer incorporate valves and veins through which the hydraulic fluid must pass. The force of the spring pushing the RACK is regulated by the flow rate of the fluid.

Model conforming above mechanism is HSA 50/20/15/14/10

Door Open >> Rotation of pinion >> Spring and Oil Compressed
Door Released >> Spring Expand >> Rack cum Piston back to Original Position >> Hence Door closed

Rack and Pinion (Asymmetric) Mechanism

With the advent of the slide rail arm closer (deemed to be more aesthetically appealing) emerged an engineering problem. The fitting of a single arm in parallel to the closer body effectively diminished the mechanical advantage of the conventional scissor arm (4 arm) closer. Hence the closing force of the standard RACK & PINION door closer was significantly compromised. To simply increase the spring strength is not the ideal solution (although adopted by most door closer manufacturers) as this makes the closer considerably harder to open from approximately 70° of door travel onwards. An ASYMMETRIC rack and pinion system is utilised by Hettich to ensure positive closing force, yet rapidly decreasing opening moments (power drop off) which equates to much easier opening of the door. This advanced design provides increased efficiency against the much stronger spring required to produce the same closing moments as that of the scissor arm closer.

Model conforming above mechanism is HSS 61/61/41/31/33

Door Open >> Rotation of pinion (Asymmetric) >> Springs (primary and secondary) and Oil Compressed
Door Released >> Spring Expand >> Rack cum Piston back to Original Position >> Hence Door closed

Rack and Pinion (heart-shaped curve) Mechanism

A RACK & PINION device is designed primarily to convert rotary motion into linear motion and vice versa. The gear wheel (PINION) engages a flat tooted bar (RACK). The PINION in overhead type door closer is attached to an arm. When the door is manually pushed open, the PINION is rotated and moves the RACK. The movement of the RACK compresses a spring. Once the door is released, the spring forces the RACK back which rotates the PINION and thus closes the door. Hydraulically controlled RACK & PINION door closer incorporate valves and veins through which the hydraulic fluid must pass. The force of the spring pushing the RACK is regulated by the flow rate of the fluid.

This system mechanism is also CAM Action Mechanism

Model conforming above mechanism is HCS 400

Door Open >> Rotation of pinion (heart-shaped curve) >> Springs and Oil Compressed
Door Released >> Spring Expand >> CAM cum Piston back to Original Position >> Hence Door closed
## Hettich Door Closer
### Range Summary

<table>
<thead>
<tr>
<th>Door closer with slide rail</th>
<th>HSS-61</th>
<th>HSS-61</th>
<th>HSS-51</th>
<th>HSS-41</th>
<th>HSS-31</th>
<th>HSS-33</th>
</tr>
</thead>
<tbody>
<tr>
<td>Closing force acc. to EN</td>
<td>5-6</td>
<td>2-5</td>
<td>1-4</td>
<td>1-4</td>
<td>1-3</td>
<td>3</td>
</tr>
<tr>
<td>Door width</td>
<td>≤ 1400 mm</td>
<td>≤ 1250 mm</td>
<td>≤ 1100 mm</td>
<td>≤ 1100 mm</td>
<td>≤ 950 mm</td>
<td>≤ 950 mm</td>
</tr>
<tr>
<td>Latching speed</td>
<td>[ ]</td>
<td>[ ]</td>
<td>[ ]</td>
<td>[ ]</td>
<td>[ ]</td>
<td>[ ]</td>
</tr>
<tr>
<td>Closing speed</td>
<td>[ ]</td>
<td>[ ]</td>
<td>[ ]</td>
<td>[ ]</td>
<td>[ ]</td>
<td>[ ]</td>
</tr>
<tr>
<td>Back-check</td>
<td>[ ]</td>
<td>[ ]</td>
<td>[ ]</td>
<td>[ ]</td>
<td>[ ]</td>
<td>[ ]</td>
</tr>
<tr>
<td>Tested acc. to EN</td>
<td>EN 1154 A</td>
<td>EN 1154 A</td>
<td>EN 1154 A</td>
<td>EN 1154 A</td>
<td>EN 1154 A</td>
<td>EN 1154 A</td>
</tr>
</tbody>
</table>

- Continuously adjustable
- Fixed
- Not available

<table>
<thead>
<tr>
<th>Door closer with standard arm</th>
<th>HSA-50</th>
<th>HSA-20</th>
<th>HSA-15</th>
<th>HSA-14</th>
<th>HSA-10 D EN</th>
<th>HSA-10 F</th>
</tr>
</thead>
<tbody>
<tr>
<td>Closing force acc. to EN</td>
<td>1-5</td>
<td>2/3/5</td>
<td>2/3/4/5</td>
<td>1/2/3/4</td>
<td>2/3/4</td>
<td>2/3/4</td>
</tr>
<tr>
<td>Door width</td>
<td>≤ 1250 mm</td>
<td>≤ 1250 mm</td>
<td>≤ 1250mm</td>
<td>≤ 1100 mm</td>
<td>≤ 1100 mm</td>
<td>≤ 1100 mm</td>
</tr>
<tr>
<td>Latching speed</td>
<td>[ ]</td>
<td>[ ]</td>
<td>[ ]</td>
<td>[ ]</td>
<td>[ ]</td>
<td>[ ]</td>
</tr>
<tr>
<td>Closing speed</td>
<td>[ ]</td>
<td>[ ]</td>
<td>[ ]</td>
<td>[ ]</td>
<td>[ ]</td>
<td>[ ]</td>
</tr>
<tr>
<td>Back-check</td>
<td>[ ]</td>
<td>[ ]</td>
<td>[ ]</td>
<td>[ ]</td>
<td>[ ]</td>
<td>[ ]</td>
</tr>
<tr>
<td>Tested acc. to EN</td>
<td>EN 1154 A</td>
<td>EN 1154 A</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>EN 1154 A</td>
</tr>
</tbody>
</table>

- Continuously adjustable
- Fixed
- Not available

<table>
<thead>
<tr>
<th>Concealed door closer with slide rail</th>
<th>HCS MG</th>
<th>HCS MG</th>
<th>HCS 400</th>
<th>HCS 385</th>
<th>HCS 380</th>
</tr>
</thead>
<tbody>
<tr>
<td>Closing force acc. to EN</td>
<td>2-5</td>
<td>1-4</td>
<td>2-4</td>
<td>2-4</td>
<td>3</td>
</tr>
<tr>
<td>Door width</td>
<td>≤ 1250 mm</td>
<td>≤ 1100 mm</td>
<td>≤ 1100 mm</td>
<td>≤ 1100 mm</td>
<td>≤ 950 mm</td>
</tr>
<tr>
<td>Latching speed</td>
<td>[ ]</td>
<td>[ ]</td>
<td>[ ]</td>
<td>[ ]</td>
<td>[ ]</td>
</tr>
<tr>
<td>Closing speed</td>
<td>[ ]</td>
<td>[ ]</td>
<td>[ ]</td>
<td>[ ]</td>
<td>[ ]</td>
</tr>
<tr>
<td>Back-check</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Tested acc. to EN</td>
<td>EN 1154 A</td>
<td>EN 1154 A</td>
<td>EN 1154 A</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

- Continuously adjustable
- Fixed
- Not available

### EN Standards

<table>
<thead>
<tr>
<th>EN Value</th>
<th>Recommended Door Width (MM)</th>
<th>Recommended Door Weight (KG)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EN 1</td>
<td>750</td>
<td>20</td>
</tr>
<tr>
<td>EN 2</td>
<td>850</td>
<td>40</td>
</tr>
<tr>
<td>EN 3</td>
<td>950</td>
<td>60</td>
</tr>
<tr>
<td>EN 4</td>
<td>1100</td>
<td>80</td>
</tr>
<tr>
<td>EN 5</td>
<td>1250</td>
<td>100</td>
</tr>
<tr>
<td>EN 6</td>
<td>1400</td>
<td>120</td>
</tr>
<tr>
<td>EN 7</td>
<td>1600</td>
<td>160</td>
</tr>
</tbody>
</table>

www.hettich.com
Hettich Door Closer

Surface Mounted with slide rail

Surface Mounted – HSS 61 with slide rail B (EN 2-5)

- Back and Pinion (Asymmetric) Mechanism Door Closer
- Weight of door: 40-200 Kg
- Tested & Certified 500,000 cycles
- Width of door: 850-1250 mm
- Door Material: Steel, Wooden, Profile Framed
- Finish: Silver
- Set includes Closer body, slide rail, mounting plate & cover
- Different model for Hinge & Hinge Opposite side mounting

For Hinge side mounting

For Hinge opposite side mounting

- Closing speed: Continuously adjustable closing speed from approx. 180° to 0°
- Latching speed: Continuously adjustable, works between 10 to 0°
- Back-check: Reduces the opening speed starting at 70°, continuously adjustable
- Delayed action (as option): Delay action continuously adjustable. Works between 180° to 70°.

Varies according to door thickness and type of hinge
A door stopper for opening limit is required
HSS 61 Body can also be used with HSR Closing Sequence Selector

Cover Plate available in 4 different colours ie Silver, Black, White & Brown
For Black, White & Brown Colour Cover plates please contact us

Approved & Certified Product:

<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>HSS 61 B: EN2-5, adjustable closing/latching speed/back-check, EN1154, hinge side mounting</td>
<td>Set</td>
<td>9 227 798</td>
<td>01</td>
</tr>
<tr>
<td>2</td>
<td>HSS 61 B: EN2-5, adjustable closing/latching speed/back-check with delayed action, EN1154, hinge side mounting</td>
<td>Set</td>
<td>9 227 799</td>
<td>01</td>
</tr>
<tr>
<td>3</td>
<td>HSS 61 G: EN2-5, adjustable closing/latching speed/back-check, EN1154, hinge opposite side mounting</td>
<td>Set</td>
<td>9 227 800</td>
<td>01</td>
</tr>
<tr>
<td>4</td>
<td>HSS 61 G: EN2-5, adjustable closing/latching speed/back-check with delayed action, EN1154, hinge opposite side mounting</td>
<td>Set</td>
<td>9 227 801</td>
<td>01</td>
</tr>
<tr>
<td>5</td>
<td>HSS 61 B: EN2-5 Body, adjustable closing/latching speed/back-check, EN1154, hinge side mounting</td>
<td>Set</td>
<td>9 227 821</td>
<td>01</td>
</tr>
<tr>
<td>6</td>
<td>HSS 61 B: EN2-5 Body, adjustable closing/latching speed/back-check with delayed action, EN1154, hinge side mounting</td>
<td>Set</td>
<td>9 228 064</td>
<td>01</td>
</tr>
<tr>
<td>7</td>
<td>HSS 61 G: EN2-5 Body, adjustable closing/latching speed/back-check, EN1154, hinge opposite side mounting</td>
<td>Set</td>
<td>9 228 065</td>
<td>01</td>
</tr>
<tr>
<td>8</td>
<td>HSS 61 G: EN2-5 Body, adjustable closing/latching speed/back-check with delayed action, EN1154, hinge opposite side mounting</td>
<td>Set</td>
<td>9 228 124</td>
<td>01</td>
</tr>
</tbody>
</table>

www.hettich.com
Hettich Door Closer

Surface Mounted with slide rail

Surface Mounted– HSS 61 with slide rail B (EN 5-6)

- Rack and Pinion (Asymmetric) Mechanism Door Closer
- Weight of door: 100-250 Kg
- Width of door: 1250-1400 mm
- Tested & Certified 500,000 cycles
- Door Material: Steel, Wooden, Profile Framed
- Finish: Silver
- Set includes Closer body, slide rail, mounting plate & cover
- Different model for Hinge & Hinge Opposite side mounting

- For Hinge side mounting

- For Hinge opposite side mounting

- Closing speed: Continuously adjustable closing speed from approx. 180° to 0°
- Latching speed: Continuously adjustable, works between 10° to 0°
- Back-check: Reduces the opening speed starting at 70°, continuously adjustable
- Delayed action (as option): Delay action continuously adjustable. Works between 180° to 70°.

- Varies according to door thickness and type of hinge
  A door stopper for opening limit is required
  HSS 61 body can also be used with HSR Closing Sequence Selector

Cover Plate available in 4 different colours ie Silver, Black, White & Brown
For Black, White & Brown Colour Cover plates please contact us

Please Check for Hinge side (B) & Hinge Opposite side (G) mounting before placing order

<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>HSS 61 B: EN5-6, adjustable closing/latching speed/back-check, EN1154, hinge side mounting</td>
<td>Set</td>
<td>9 227 802</td>
<td>01</td>
</tr>
<tr>
<td>2</td>
<td>HSS 61 G: EN5-6, adjustable closing/latching speed/back-check, EN1154, hinge opposite side mounting</td>
<td>Set</td>
<td>9 227 804</td>
<td>01</td>
</tr>
<tr>
<td>3</td>
<td>HSS 61 B: EN5-6 Body, adjustable closing/latching speed/back-check, EN1154, hinge side mounting</td>
<td>Set</td>
<td>9 228 419</td>
<td>01</td>
</tr>
<tr>
<td>4</td>
<td>HSS 61 B: EN5-6 Body, adjustable closing/latching speed/back-check, EN1154, hinge opposite side mounting</td>
<td>Set</td>
<td>9 228 420</td>
<td>01</td>
</tr>
</tbody>
</table>

www.hettich.com
Hettich Door Closer

- Surface Mounted with slide rail

**Surface Mounted – HSS 61 with slide rail B (EN 5-6) : Installation Details hinge-side**

Standard mounting HSS-61 B with slide rail B, hinge side

![Diagram showing standard mounting HSS-61 B with slide rail B, hinge side.](image)

Head mounting HSS-61 G with slide rail B, hinge side

![Diagram showing head mounting HSS-61 G with slide rail B, hinge side.](image)

**Surface Mounted – HSS 61 with slide rail B (EN 5-6) : Installation Details hinge-opposite side**

Standard mounting HSS-61 G with slide rail B, hinge-opposite side

![Diagram showing standard mounting HSS-61 G with slide rail B, hinge-opposite side.](image)

Head mounting HSS-61 B with slide rail B, hinge-opposite side

![Diagram showing head mounting HSS-61 B with slide rail B, hinge-opposite side.](image)
Hettich Door Closer

- Surface Mounted with slide rail

Surface Mounted – HSS 51 with slide rail B (EN 1-4)

- Rack and Pinion (Asymmetric) Mechanism Door Closer
- Weight of door: 20-140 Kg
- Width of door: 750-1100 mm
- Tested & Certified 500,000 cycles
- Optional Hold Open
- Door Material: Steel, Wooden, Profile Framed
- Finish: Silver
- Set includes Closer body, slide rail, mounting plate & cover
- Different model for Hinge & Hinge Opposite side mounting

For Hinge side mounting

- Closing speed: Continuously adjustable closing speed from approx. 180° to 0°
- Latching speed: Continuously adjustable, works between 10° to 0°
- Back-check: Reduces the opening speed starting at 70°, continuously adjustable

For Hinge opposite side mounting

- Closing speed: Continuously adjustable closing speed from approx. 140° to 0°
- Latching speed: Continuously adjustable, works between 10° to 0°
- Back-check: Reduces the opening speed starting at 70°, continuously adjustable

* Varies according to door thickness and type of hinge
  A door stopper for opening limit is required

Cover Plate available in 4 different colours ie Silver, Black, White & Brown
For Black, White & Brown Colour Cover plates please contact us

Approved & Certified Product: 

![product design award 2012](EN 1154 A)

Please Check for Hinge side (B) & Hinge Opposite side (G) mounting before placing order

<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>HSS 51 B: EN1-4, adjustable closing/latching speed/back-check, EN1154, hinge side mounting</td>
<td>Set</td>
<td>9 227 806</td>
<td>01</td>
</tr>
<tr>
<td>2</td>
<td>HSS 51 G: EN1-4, adjustable closing/latching speed/back-check, EN1154, hinge opposite side mounting</td>
<td>Set</td>
<td>9 227 807</td>
<td>01</td>
</tr>
<tr>
<td>3</td>
<td>HSS 51 B: EN1-4 Body, adjustable closing/latching speed/back-check, EN1154, hinge side mounting</td>
<td>Set</td>
<td>9 228 421</td>
<td>01</td>
</tr>
<tr>
<td>4</td>
<td>HSS 51 G: EN1-4 Body, adjustable closing/latching speed/back-check, EN1154, hinge opposite side mounting</td>
<td>Set</td>
<td>9 228 422</td>
<td>01</td>
</tr>
</tbody>
</table>

www.hettich.com
Hettich Door Closer
» Surface Mounted with slide rail

**Surface Mounted– HSS 51 with slide rail B (EN 1–4): Installation Details hinge-side**

Standard mounting HSS-51 B with slide rail B, hinge side

Head mounting HSS-51 G with slide rail B, hinge side

**Surface Mounted– HSS 51 with slide rail B (EN 1–4): Installation Details hinge-opposite side**

Standard mounting HSS-51 G with slide rail B, hinge-opposite side

Head mounting HSS-51 B with slide rail B, hinge-opposite side
Hettich Door Closer
› Surface Mounted with slide rail

Surface Mounted – HSS 41 K/B (EN 1-4)

- Rack and Pinion (Asymmetric) Mechanism Door Closer
- Weight of door: 20-120 Kg
- Width of door: 750-1100 mm
- Tested & Certified 500,000 cycles
- Optional Hold Open
- Door Material: Steel, Wooden, Profile Framed
- Finish : Silver
- Set includes Closer body, slide rail, mounting plate & cover
  ** Hold open device order separately

Dimensions: HSS-41 with slide rail K
Dimensions: HSS-41 with slide rail B

- For Hinge side mounting
- Closing speed: Continuously adjustable closing speed from approx. 180° to 0°
- Latching speed: Continuously adjustable, works between 10° to 0°
- Back-check: Reduces the opening speed starting at 70°, fixed

- For Hinge opposite side mounting
- Closing speed: Continuously adjustable closing speed from approx. 140° to 0°
- Latching speed: Continuously adjustable, works between 10° to 0°
- Back-check: Reduces the opening speed starting at 70°, fixed

- Varies according to door thickness and type of hinge
  A door stopper for opening limit is required
  HSS 41 body can also be used with HSR Closing Sequence Selector

Cover Plate available in 4 different colours ie Silver, Black, White & Brown
For Black, White & Brown Colour Cover plates please contact us

Approve & Certified Product: EN 1154 A

<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>HSS 41: With slide rail B EN1-4, adjustable closing/latching speed, Fixed Back-check, EN1154</td>
<td>Set</td>
<td>9 227 808</td>
<td>01</td>
</tr>
<tr>
<td>2</td>
<td>HSS 41: With slide rail K EN1-4, adjustable closing/latching speed, Fixed Back-check, EN1154</td>
<td>Set</td>
<td>9 227 809</td>
<td>01</td>
</tr>
<tr>
<td>3</td>
<td>HSS 41: EN1-4 Body, adjustable closing/latching speed, Fixed Back-check, EN1154</td>
<td>Set</td>
<td>9 228 423</td>
<td>01</td>
</tr>
</tbody>
</table>

www.hettich.com
Hettich Door Closer
- Surface Mounted with slide rail

### Surface Mounted – HSS 41 with slide rail B (EN 1-4): Installation Details hinge-side

#### Standard mounting with slide rail B, hinge side (Mounting, with mounting plate)

![Diagram of standard mounting with slide rail B, hinge side](image)

#### Head mounting with slide rail B, hinge side (Mounting, with mounting plate)

![Diagram of head mounting with slide rail B, hinge side](image)

### Surface Mounted – HSS 41 with slide rail B (EN 1-4): Installation Details hinge-opposite side

#### Standard mounting HSS-41 with slide rail B, hinge-opposite side

![Diagram of standard mounting HSS-41 with slide rail B, hinge-opposite side](image)

#### Head mounting HSS-41 with slide rail B, hinge-opposite side

![Diagram of head mounting HSS-41 with slide rail B, hinge-opposite side](image)
Hettich Door Closer
- Surface Mounted with slide rail K

Surface Mounted – HSS 41 with slide rail K (EN 1-4): Installation Details hinge-side

Standard mounting with slide rail K, hinge side (direct mounting, without mounting plate)

Head mounting with slide rail K, hinge side (direct mounting, without mounting plate)

Surface Mounted – HSS 41 with slide rail K (EN 1-4): Installation Details hinge-opposite side

Standard mounting with slide rail K, hinge-opposite side (direct mounting, without mounting plate)

Head mounting with slide rail K, hinge-opposite side (direct mounting, without mounting plate)
Rack and Pinion (Asymmetric) Mechanism Door Closer
- Weight of door: 20-100 Kg
- Width of door: 750-950 mm
- Tested & Certified 500,000 cycles
- Hold Open can be achieved by inserting hold open device** in slide Rail B
- Door Material: Steel, Wooden, Profile Framed
- Finish: Silver
- Set includes Closer body, slide rail & cover
  ** Hold open device order separately

Door Material: Steel, Wooden, Profile Framed
Finish: Silver
Set includes Closer body, slide rail & cover

Surface Mounted – HSS 31 K/B (EN 1-3)

- For Hinge side mounting
- For Hinge opposite side mounting

- Closing speed: Continuously adjustable closing speed from approx. 180° to 0°
- Latching speed: Continuously adjustable, works between 10 to 0°
- Back-check: Reduces the opening speed starting at 70°, fixed

Cover Plate available in 4 different colours ie Silver, Black, White & Brown
For Black, White & Brown Colour Cover plates please contact us

Approved & Certified Product:

<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>HSS 31: With slide rail B EN1-3, adjustable closing/latching speed, Fixed Back-check, EN1154</td>
<td>Set</td>
<td>9 227 810</td>
<td>01</td>
</tr>
<tr>
<td>2</td>
<td>HSS 31: With slide rail K EN1-3, adjustable closing/latching speed, Fixed Back-check, EN1154</td>
<td>Set</td>
<td>9 227 811</td>
<td>01</td>
</tr>
<tr>
<td>3</td>
<td>HSS 31: With slide rail K EN1-3 Body, adjustable closing/latching speed, Fixed Back-check, EN1154</td>
<td>Set</td>
<td>9 228 425</td>
<td>01</td>
</tr>
</tbody>
</table>
Hettich Door Closer

- Surface Mounted with slide rail

**Surface Mounted – HSS 31 with slide rail B (EN 1-3): Installation Details hinge-side**

Standard mounting with slide rail B, hinge side (Mounting, with mounting plate)

Head mounting with slide rail B, hinge side (Mounting, with mounting plate)

**Surface Mounted – HSS 31 with slide rail B (EN 1-3): Installation Details hinge-opposite side**

Standard mounting with slide rail B, hinge-opposite side (Mounting, with mounting plate)

Head mounting with slide rail B, hinge-opposite side (Mounting, with mounting plate)
Hettich Door Closer

Surface Mounted – HSS 31 with slide rail K (EN 1-3): Installation Details hinge-side

Standard mounting with slide rail K, hinge side (direct mounting, without mounting plate)

Head mounting with slide rail K, hinge side (direct mounting, without mounting plate)

Surface Mounted – HSS 31 with slide rail K (EN 1-3): Installation Details hinge-opposite side

Standard mounting with slide rail K, hinge-opposite side (direct mounting, without mounting plate)

Head mounting with slide rail K, hinge-opposite side (direct mounting, without mounting plate)
Hettich Door Closer
- Surface Mounted with slide rail

Surface Mounted – HSS 33 with slide rail K (EN 3)
- Rack and Pinion (Asymmetric) Mechanism Door Closer
- Weight of door: 20-80 Kg
- Width of door: 750-950 mm
- Tested & Certified 500,000 cycles
- With Slide rail K
- Door Material: Steel, Wooden, Profile Framed
- Finish: Silver
- Set includes Closer body, slide rail & cover

For Hinge side mounting
- Closing speed: Continuously adjustable closing speed from approx. 180° to 0°
- Latching speed: Continuously adjustable, works between 10 to 0°

For Hinge opposite side mounting
- Closing speed: Continuously adjustable closing speed from approx. 140° to 0°
- Latching speed: Continuously adjustable, works between 10 to 0°

- Varies according to door thickness and type of hinge
- A door stopper for opening limit is required

Cover Plate available in 4 different colours ie Silver, Black, White & Brown
For Black, White & Brown Colour Cover plates please contact us

Approved & Certified Product:

<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>HSS 33: With slide rail K EN3, adjustable closing/latching speed, EN1154</td>
<td>Set</td>
<td>9227812</td>
<td>01</td>
</tr>
</tbody>
</table>
Surface Mounted – HSS 33 with slide rail K (EN 3) : Installation Details hinge-side

Standard mounting with slide rail K, hinge side (direct mounting, without mounting plate)

Head mounting with slide rail K, hinge side (direct mounting, without mounting plate)

Surface Mounted – HSS 33 with slide rail K (EN 3) : Installation Details hinge-opposite side

Standard mounting with slide rail K, hinge-opposite side (direct mounting, without mounting plate)

Head mounting with slide rail K, hinge-opposite side (direct mounting, without mounting plate)
Hettich Door Closers

- **Surface Mounted with standard arm**

**Surface Mounted – HSA 50 (EN 1-5)**

- Rack And Pinion (Symmetric) Mechanism Door Closer
- Weight of door: 20-150 Kg
- Width of door: 750-1250 mm
- Tested & Certified 500,000 cycles
- Optional Hold Open (with Hold Open Arm)
- Door Material: Steel, Wooden, Profile Framed
- Finish: Silver
- Set includes Closer body, standard arm & cover

**Dimensions: HSA-50**

- For Hinge side mounting
  - Closing speed: Continuously adjustable from approx. 180° to 0°
  - Latching speed: Continuously adjustable, works between 10° to 0°
  - Back-check: Reduces the opening speed starting at 70°, Fixed

- For Hinge opposite side mounting
  - Closing speed: Continuously adjustable from approx. 170° to 0°
  - Latching speed: Continuously adjustable, works between 10° to 0°
  - Back-check: Reduces the opening speed starting at 70°, Fixed

- Varies according to door thickness and type of hinge

A door stopper for opening limit is required

Cover Plate available in 4 different colours ie Silver, Black, White & Brown

For Black, White & Brown Colour Cover plates please contact us

**Approved & Certified Product:**

EN 1154 A

<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>HSA 50 with standard arm EN1-5, adjustable closing/latching speed, Fixed Back-check, EN1154</td>
<td>Set</td>
<td>9 227 813</td>
<td>01</td>
</tr>
<tr>
<td>2</td>
<td>HSA 50 EN1-5 Body, adjustable closing/latching speed, Fixed Back-check, EN1154</td>
<td>Set</td>
<td>9 228 426</td>
<td>01</td>
</tr>
</tbody>
</table>

www.hettich.com
Hettich Door Closer

Surface Mounted – HSA 50 (EN 1-5): Installation Details hinge-side

Standard mounting, hinge side (with mounting plate, with DIN holes)

Standard mounting, hinge side (direct mounting, without mounting plate)

Surface Mounted – HSA 50 (EN 1-5): Installation Details hinge-opposite side

Head mounting, hinge-opposite side (with mounting plate, with DIN holes)

Head mounting, hinge-opposite side (direct mounting, without mounting plate)
Surface Mounted – HSA 20 (EN 2/3/5)

- Back And Pinion (Symmetric) Mechanism Door Closer
- Weight of door: 20-150 Kg
- Width of door: 850-1250 mm
- Tested & Certified 500,000 cycles
- Door Material: Steel, Wooden, Profile Framed
- Finish: Silver
- Set includes Closer body, standard arm & cover

**Dimensions: HSA-20**

- For Hinge side mounting
- Closing speed: Continuously adjustable closing speed from approx. 180° to 0°
- Latching speed: Continuously adjustable, works between 10° to 0°
- Back-check: Reduces the opening speed starting at 70°, fixed

- For Hinge opposite side mounting
- Closing speed: Continuously adjustable closing speed from approx. 170° to 0°
- Latching speed: Continuously adjustable, works between 10° to 0°
- Back-check: Reduces the opening speed starting at 70°, fixed

- Varies according to door thickness and type of hinge
- A door stopper for opening limit is required

**Approved & Certified Product:**
- Cover Plate available in 4 different colours i.e. Silver, Black, White & Brown
- For Black, White & Brown Colour Cover plates please contact us

<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>HSA 20 with standard arm EN2/3/5, adjustable closing/latching speed, Fixed Back-check, En1154</td>
<td>Set</td>
<td>9 227 814</td>
<td>01</td>
</tr>
<tr>
<td>2</td>
<td>HSA 20 EN2/3/5 Body, adjustable closing/latching speed, Fixed Back-check, EN1154</td>
<td>Set</td>
<td>9 228 427</td>
<td>01</td>
</tr>
</tbody>
</table>

www.hettich.com
Surface Mounted – HSA 20 (EN 2/3/5): Installation Details hinge-side

Standard mounting, hinge side (direct mounting, without mounting plate)

Standard mounting, hinge side (with optional mounting plate, with DIN holes)

Surface Mounted – HSA 50 (EN 1-5) : Installation Details hinge-opposite side

Head mounting, hinge-opposite side (direct mounting, without mounting plate)

Head mounting, hinge-opposite side (with optional mounting plate, with DIN holes)
Hettich Door Closer
- Surface Mounted with standard arm

**Surface Mounted – HSA 15 (EN 2/3/4/5)**

- Rack And Pinion (Symmetric) Mechanism Door Closer
- Weight of door: 40-100 Kg
- Width of door: 850-1250 mm
- Tested & Certified 200,000 cycles in-house lab
- Door Material: Steel, Wooden, Profile Framed
- Finish: Silver
- Set includes Closer body & standard arm

### For Hinge side mounting
- Closing speed: Continuously adjustable closing speed from approx. 180° to 0°
- Latching speed: Continuously adjustable, works between 10° to 0°

### For Hinge opposite side mounting
- Closing speed: Continuously adjustable closing speed from approx. 170° to 0°
- Latching speed: Continuously adjustable, works between 10° to 0°

*Varies according to door thickness and type of hinge
A door stopper for opening limit is required*

<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>HSA 15 with standard arm EN2/3/4/5, adjustable closing/latching</td>
<td>Set</td>
<td>9 227 815</td>
<td>01</td>
</tr>
<tr>
<td></td>
<td>speed</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>HSA 15 EN2/3/4/5 Body, adjustable closing/latching speed</td>
<td>Set</td>
<td>9 228 428</td>
<td>01</td>
</tr>
</tbody>
</table>

www.hettich.com
Hettich Door Closer

- Surface Mounted with standard arm

**Surface Mounted – HSA 15 (EN 2/3/4/5): Installation Details hinge-side**

Standard mounting, hinge side (EN 5)

**Surface Mounted – HSA 15 (EN 2/3/4/5): Installation Details hinge-opposite side**

Head mounting, hinge-opposite side (EN 5)
Hettich Door Closer

- Surface Mounted with standard arm

**Surface Mounted – HSA 14 (EN 1/2/3/4)**

- Rack And Pinion (Symmetric) Mechanism Door Closer
- Weight of door: 40-80 Kg
- Width of door: 750-1100 mm
- Tested & Certified 200,000 cycles in-house lab
- Door Material: Steel, Wooden, Profile Framed
- Finish : Silver
- Set includes Closer body & standard arm

For Hinge side mounting

- Closing speed: Continuously adjustable closing speed from approx. 180° to 0°
- Latching speed: Continuously adjustable, works between 10° to 0°

For Hinge opposite side mounting

- Closing speed: Continuously adjustable closing speed from approx. 170° to 0°
- Latching speed: Continuously adjustable, works between 10° to 0°

**Varies according to door thickness and type of hinge**

A door stopper for opening limit is required

<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>HSA 14 with standard arm EN1/2/3/4, adjustable closing/latching speed</td>
<td>Set</td>
<td>9 228 418</td>
<td>01</td>
</tr>
<tr>
<td>2</td>
<td>HSA 14 EN1/2/3/4 Body, adjustable closing/latching speed</td>
<td>Set</td>
<td>9 228 429</td>
<td>01</td>
</tr>
</tbody>
</table>
Hettich Door Closer

- Surface Mounted with standard arm

### Surface Mounted – HSA 14 (EN 1/2/3/4): Installation Details hinge-side

Standard mounting, hinge side (EN 3)

![Diagram](image1)

### Surface Mounted – HSA 14 (EN 1/2/3/4): Installation Details hinge-opposite side

Head mounting, hinge-opposite side (EN 5)

![Diagram](image2)
Hettich Door Closer

- Surface Mounted with standard arm

**Surface Mounted – HSA 10 F EN (EN 2/3/4); 10 F (EN 2/3/4)**

- Rack And Pinion (Symmetric) Mechanism Door Closer
- Weight of door: 40-80 Kg
- Width of door: 850-1100 mm
- Tested & Certified 500,000 cycles
- Door Material: Steel, Wooden, Profile Framed
- Finish: Silver
- Set includes Closer body & standard arm

For Hinge side mounting
- Closing speed: Continuously adjustable closing speed from approx. 180° to 0°
- Latching speed: Continuously adjustable, works between 10° to 0°

For Hinge opposite side mounting
- Closing speed: Continuously adjustable closing speed from approx. 170° to 0°
- Latching speed: Continuously adjustable, works between 10° to 0°

- Varies according to door thickness and type of hinge
- A door stopper for opening limit is required

**Approved & Certified Product:**

<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>HSA 10 F with standard arm EN2/3/4, adjustable closing/latching speed</td>
<td>Set</td>
<td>9 227 816</td>
<td>01</td>
</tr>
<tr>
<td>2</td>
<td>HSA 10 D EN with standard arm EN2/3/4, adjustable closing/latching speed, EN1154</td>
<td>Set</td>
<td>9 227 817</td>
<td>01</td>
</tr>
</tbody>
</table>
Hettich Door Closer

- Surface Mounted with standard arm

**Surface Mounted – HSA 10 F (EN 2/3/4): Installation Details hinge-side**

Standard mounting, hinge side

**Surface Mounted – HSA 10 D (EN 2/3/4): Installation Details hinge-opposite side**

Head mounting, hinge-opposite side
Hettich Door Closer

Surface Mounted with standard arm

**Surface Mounted – HSA 10 (EN 2/3/4)**

- Rack And Pinion (Symmetric) Mechanism Door Closer
- Weight of door: 40–80 Kg
- Width of door: 850–1100 mm
- Tested & Certified 200,000 cycles in-house lab
- Door Material: Steel, Wooden, Profile Framed
- Finish: Silver
- Set includes Closer body & standard arm

- For Hinge side mounting
  - Closing speed: Continuously adjustable closing speed from approx. 180° to 0°
  - Latching speed: Continuously adjustable, works between 10° to 0°

- For Hinge opposite side mounting
  - Closing speed: Continuously adjustable closing speed from approx. 170° to 0°
  - Latching speed: Continuously adjustable, works between 10° to 0°

- Varies according to door thickness and type of hinge
  - A door stopper for opening limit is required

<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>HSA 10 with standard arm EN2/3/4, adjustable closing/latching speed</td>
<td>Set</td>
<td>9 227 818</td>
<td>01</td>
</tr>
</tbody>
</table>
Hettich Door Closer

- Surface Mounted with standard arm

Surface Mounted – HSA 10 (EN 2/3/4): Installation Details hinge-side

Standard mounting, hinge side

Surface Mounted – HSA 10 (EN 2/3/4): Installation Details hinge-opposite side

Head mounting, hinge-opposite side
Concealed Door Closers

Door closer technology
The Integration Specialist

This door closer makes itself invisible. The Multi-Genius is extremely compact, and this makes it suitable for installation in doors with a leaf thickness of only 40 mm. This in turn means that the closer can be integrated virtually invisibly before the door even leaves the factory.

The HCS 400 is specially designed for light interior doors weighing up to 80 kg with a max. opening angle of 120°. Thanks to its transmission construction, it can be used as a DIN left or DIN right pendulum closer. The closing force is adjusted from above and adjustment is also possible after the door has been installed.
Hettich Door Closer
› Concealed with slide rail

Concealed – HCS Multi G Body (EN 1-4/2-5)

- Special Gear Door Closer
- Weight of door: 20-120 Kg/40-150 kg
- Width of door: 750-1100 mm/ 850-1250 mm
- Tested & Certified 500,000 cycles
- Closing speed: Continuously adjustable closing speed from approx. 120° to 0°
- Latching speed: Continuously adjustable, works between 10 to 0°
- Visible Force Display
- Strongly Decreasing Opening Moment
- Door Opening Angle 140°-165°
- Optional Hold Open
- Door Material: Steel, Wooden, Profile Framed
- Finish: Silver

Approved & Certified Product:

Note: This Door Closer can also be mounted on surface of door with additional cover.

Please Check for DIN Left & DIN Right handling before placing order

<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>HCS Multi G body EN1-4, adjustable closing/latching speed, EN1154 DIN Left/Right</td>
<td>Set</td>
<td>9 227 819</td>
<td>01</td>
</tr>
<tr>
<td>2</td>
<td>HCS Multi G body EN2-5, adjustable closing/latching speed, EN1154 DIN Left/Right</td>
<td>Set</td>
<td>9 227 820</td>
<td>01</td>
</tr>
<tr>
<td>3</td>
<td>Slide rail for HCS Multi G 21x31, w/ hold open</td>
<td>Set</td>
<td>9 227 825</td>
<td>01</td>
</tr>
</tbody>
</table>

Concealed- HCS Multi G Body (EN 1-4/2-5): Installation Details

Installation Multi-Genius with slide rail 31 x 21 with MFA in a wooden door
Hettich Door Closer

Concealed with slide rail

Installation Multi-Genius with slide rail 31 x 21 with MFA in a profile frame door with angle brackets

Installation Multi-Genius with slide rail 31 x 21 with MFA in a profile frame door
Hettich Door Closer

Concealed - HCS 400 with Slide rail (EN 2-4)

- CAM Action mechanism Door Closer
- Weight of door: 40-100 Kg
- Width of door: 850-1100 mm
- Min. Door Thickness - 40 mm
- Tested & Certified 500,000 cycles
- Closing speed: Continuously adjustable closing speed from approx. 120° to 0°
- Latching speed: Adjustable, works between 10 to 0°
- Door Opening Angle 120°
- Hold open device “9228460” can be used with HCS 400 body. (see page no.)
- Door Material: Steel, Wooden, Profile Framed
- Finish: Silver

Approved & Certified Product: EN 1154 A

<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>HCS 400 with hold open slide rail EN2-4, adjustable closing/latching speed</td>
<td>Set</td>
<td>9 227 822</td>
<td>01</td>
</tr>
</tbody>
</table>
Concealed – HCS 385 with Hold open slide rail (EN 2-4)

- Rack And Pinion (Symmetric) Mechanism Door Closer
- Weight of door: 40-80 Kg
- Width of door: 850-1100 mm
- Min. Door Thickness - 40 mm
- Tested & Certified 200,000 cycles in-house lab
- Closing speed: Continuously adjustable closing speed from approx. 120° to 0°
- Latching speed: Adjustable, works between 10 to 0°
- Door Opening Angle 120°
- Inbuilt Hold Open function in slide rail
- Door Material: Steel, Wooden, Profile Framed
- Finish : Silver

<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>HCS 385 with hold open slide rail EN2-4, adjustable closing/latching speed</td>
<td>Set</td>
<td>9 227 823</td>
<td>01</td>
</tr>
</tbody>
</table>
Concealed – HCS 380 with Hold open slide rail (EN 1/2/3)

- Rack And Pinion (Symmetric) Mechanism Door Closer
- Weight of door: 60 Kg
- Width of door: 950 mm
- Min. Door Thickness - 40 mm
- Tested & Certified 200,000 cycles in-house lab
- Closing speed: Continuously adjustable closing speed from approx. 120° to 0°
- Latching speed: Adjustable, works between 10 to 0°
- Door Opening Angle 120°
- Inbuilt Hold Open function in slide rail
- Door Material: Steel, Wooden, Profile Framed
- Finish: Silver

<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>HCS 380 with hold open slide rail EN3, adjustable closing/latching speed</td>
<td>Set</td>
<td>9 227 824</td>
<td>01</td>
</tr>
</tbody>
</table>
Door Closer Accessories

**Door Coordinator**

- Used where there is double door installed and synchronized opening is required.
- Door closer Body (without slide rail) needed to be order separately.
- The User is only required to open and release the active leaf only.
- The opening and closing of the two shutters are sync.
- In this system one door acts as an active leaf (driver) and other as passive leaf (follower).
- There is a lag in opening and closing of passive leaf by 30 degree opening angle.
- Maximum Door Leaf width of HSR is 2800 mm.
- Maximum Door Leaf width of HSR BG is 2500 mm.
- 2 Units of HSS 61/41 body required to order extra.

Approved & Certified Product: [CE F]

<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>HSR Closing Sequence Selector For HSS 61 and 41 body, Fire Rated (For Hinge Side)</td>
<td>Pc</td>
<td>9 228 441</td>
<td>01</td>
</tr>
<tr>
<td>2</td>
<td>HSR BG Closing Sequence Selector For HSS 61 and 41 body, Fire Rated (For Hinge Opposite Side)</td>
<td>Pc</td>
<td>9 228 442</td>
<td>01</td>
</tr>
</tbody>
</table>

**Slide rail B**

- For Surface Fixed
- For Use with HSS-61/51/41/31 door closer
- Available in Silver, White, Brown & Black Colors
- Arm For Slide rail B

<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>Slide rail B (459 mm) for HSS-61/51/41/31 door closer body</td>
<td>Set</td>
<td>9 227 826</td>
<td>01</td>
</tr>
</tbody>
</table>

**Slide rail K**

- For Surface Fixed
- For Use with HSS-41/31/33 K door closer
- Available in Silver, White, Brown & Black Colors
- Arm For Slide rail K

<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>Slide rail K (370 mm) for HSS-41/31 door closer body</td>
<td>Set</td>
<td>9 227 827</td>
<td>01</td>
</tr>
</tbody>
</table>
Door Closer Accessories

**Standard Arm**
- For use with HSA-50/20/15/10/10D EN

<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>Standard Arm for use with HSA-50/20</td>
<td>Pc</td>
<td>9 227 828</td>
<td>01</td>
</tr>
<tr>
<td>2</td>
<td>Standard Arm for use with HSA-15/14</td>
<td>Pc</td>
<td>9 228 438</td>
<td>01</td>
</tr>
<tr>
<td>3</td>
<td>Standard Arm for use with HSA-10/10D EN/10 F</td>
<td>Pc</td>
<td>9 228 433</td>
<td>01</td>
</tr>
</tbody>
</table>

**Hold Open Arm**
- For all standard arm models.
- Hold Open angle 70°-130°

<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>Hold open arm (70-130 deg) for HSA-50/20/15/14</td>
<td>Pc</td>
<td>9 227 829</td>
<td>01</td>
</tr>
</tbody>
</table>

**Opening Angle Limiter - OB-GS-B**
- Opening Limiter for Slide rail B for HSS 61/51/41/31

<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>Opening Angle Limiter for slide rail B</td>
<td>Pc</td>
<td>9 227 830</td>
<td>01</td>
</tr>
</tbody>
</table>

**Hold Open Device - FKL-GS-B**
- HD device for Slide rail B for HSS 61/51/41/31
- Hold Open angle 70°-130°

<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>FKL Hold Open device for slide rail B</td>
<td>Pc</td>
<td>9 227 831</td>
<td>01</td>
</tr>
</tbody>
</table>

**Hold Open Device for HCS 400**
- Hold Open device for HCS 400

<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>Hold open device for HCS 400</td>
<td>Pc</td>
<td>9 228 460</td>
<td>01</td>
</tr>
</tbody>
</table>
### Mounting Plate For HSS 61
- For HSS 61 with DIN Holes

<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>Mounting Plate For HSS 61</td>
<td>Pc</td>
<td>9 227 832</td>
<td>01</td>
</tr>
</tbody>
</table>

### Mounting Plate For HSS 51
- For HSS 51 with DIN Holes

<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>Mounting Plate For HSS 51</td>
<td>Pc</td>
<td>9 227 833</td>
<td>01</td>
</tr>
</tbody>
</table>

### Mounting Plate For HSS 41/31/50
- For HSS 41/31/50 with DIN Holes

<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>Mounting Plate For HSS 41/31/50</td>
<td>Pc</td>
<td>9 227 834</td>
<td>01</td>
</tr>
</tbody>
</table>

### Mounting Plate For HSA 20
- For HSA 20 with DIN Holes

<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>Mounting Plate For HSA 20</td>
<td>Pc</td>
<td>9 227 835</td>
<td>01</td>
</tr>
</tbody>
</table>
Door Closer Accessories

Under Lintel Angle

- For Standard mounting installation of the slide rail on hinge opposite side of the door
- For Slide rail B and K
- Under Lintel Angle Made of Aluminium

<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>Under Lintel Angle For Slide rail B</td>
<td>Set</td>
<td>9 227 836</td>
<td>01</td>
</tr>
<tr>
<td>2</td>
<td>Under Lintel Angle For Slide rail K</td>
<td>Set</td>
<td>9 227 837</td>
<td>01</td>
</tr>
</tbody>
</table>

Under Lintel Angle

- For Head mounting of the door closer on hinge opposite side for doors with deep lintels
- For Door closer with Slide rail & Std arm
- Under Lintel Angle Made of Aluminium

<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>Under Lintel Angle For Door closer HSS 61</td>
<td>Set</td>
<td>9 227 838</td>
<td>01</td>
</tr>
<tr>
<td>2</td>
<td>Under Lintel Angle For Door closer HSS 51</td>
<td>Set</td>
<td>9 228 435</td>
<td>01</td>
</tr>
<tr>
<td>3</td>
<td>Under Lintel Angle For Door closer HSS 41/31 &amp; HSA 50/20</td>
<td>Set</td>
<td>9 228 436</td>
<td>01</td>
</tr>
</tbody>
</table>
**Glass Clamping device**

- Clamping Device made for fixing door closer on glass door side of the door
- Suitable for 8-10 mm glass (toughened safety glass)
- For HSS 41/31/50/20
- Clamping Device made of aluminium

<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>HGL GC: Glass Clamping device for HSS 41</td>
<td>Set</td>
<td>9 228 295</td>
<td>01</td>
</tr>
</tbody>
</table>

**Angle Bracket**

- For parallel arm mounting
- For HSA 50/20/15/14
- Not permitted to use on fire and smoke control doors

<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>Angle Bracket For HSA 50/20/15/14</td>
<td>Set</td>
<td>9 227 839</td>
<td>01</td>
</tr>
</tbody>
</table>
Enquiry & Customer Services
Toll Free: 1800 209 2096 (office hours)
Email: sales_enquiry@in.hettich.com
customer_services@in.hettich.com
www.hettich.com