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Architectural Hardware & Applications

Plan. Design. Realise.

May 2025




Hettich



Germany



Vadodara



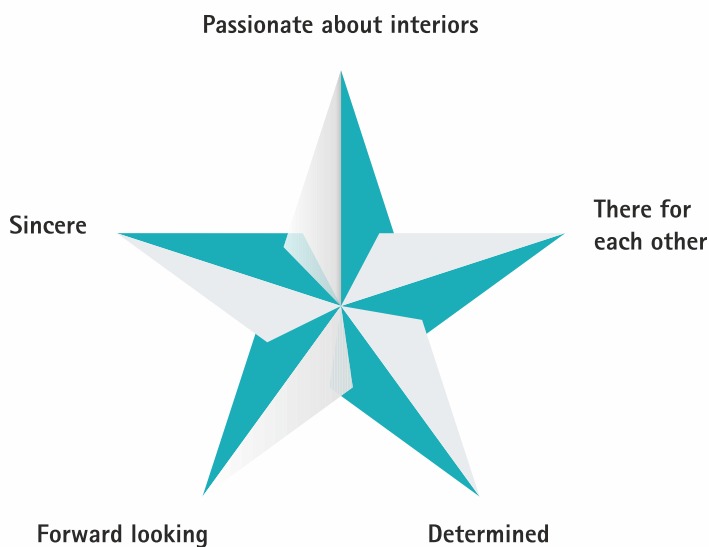
Indore

Hettich is a 137 years old family owned German lifestyle brand, being one of the world's largest manufacturers of Furniture Fittings and Hardware with sales exceeding 1.5 billion Euros. It has presence in about 80 countries with over 8000 employees taking up the challenge of developing intelligent technology for furniture to create magical interior experiences for its customers.

In India, Hettich started operations with the dawn of the new millennium and within a short span of time gained undisputed leadership position in the Indian furniture fittings & hardware industry.

Hettich has state-of-the-art manufacturing capabilities globally including India, which enable it to manufacture world-class products both for the domestic and overseas markets. Its manufacturing facilities include three plants at Vadodara, Gujarat and one at Indore in Madhya Pradesh with another one in the pipeline. The company is firmly committed to the clarion call for Atmanirbhar Bharat by pursuing the philosophy of 'Make in India. Make for the World.'

Brand Core Values



Passionate about interiors

We apply all our skills and passion to develop complete and durable solutions for our customers. These bring rooms to life and fascinate people.

There for each other

We create and maintain reliable partnerships with customers and colleagues. We put ourselves in their shoes, always give a little more than is expected and thereby achieve joint success.

Determined

We are sensibly setting the course for an internationally successful future. To that end, we are bold in approaching challenges and act with courage and determination.

Forward looking

We think across generations. Therefore, we consciously gear our present actions to the challenges of the future.

Sincere

We are honest, down-to-earth and treat each other as equals. We rely on mutual trust and make a contribution to society.





Door Closer



2D Concealed Hinge



Butt Hinge



Mortise Handle

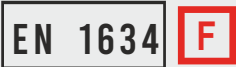
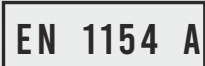
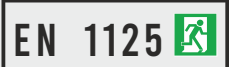


Floor Spring

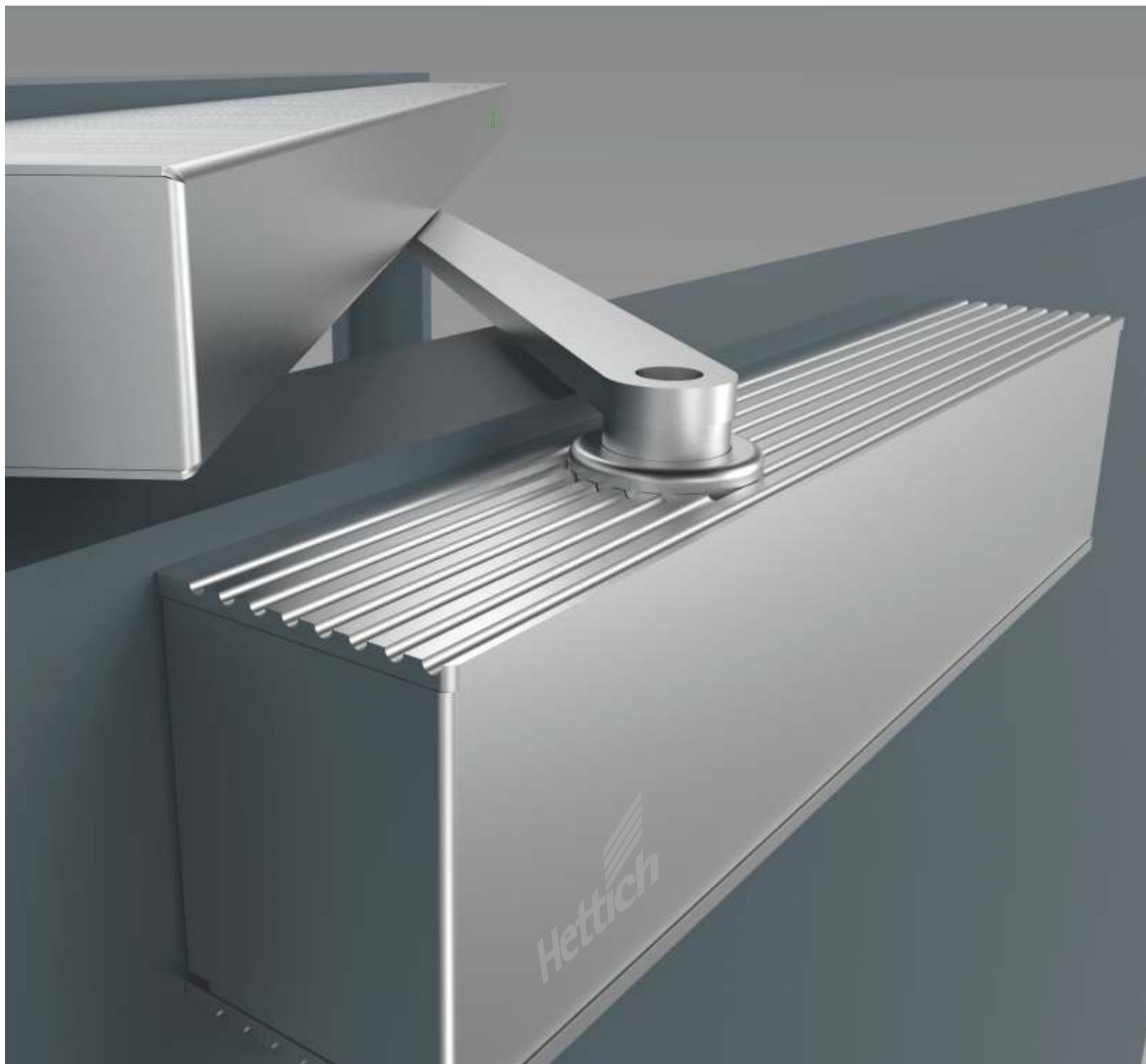


Magnetic Door Stopper

Warranty Clause
For Warranty regarding Architectural Hardware, please refer the below site:
www.hettich.com

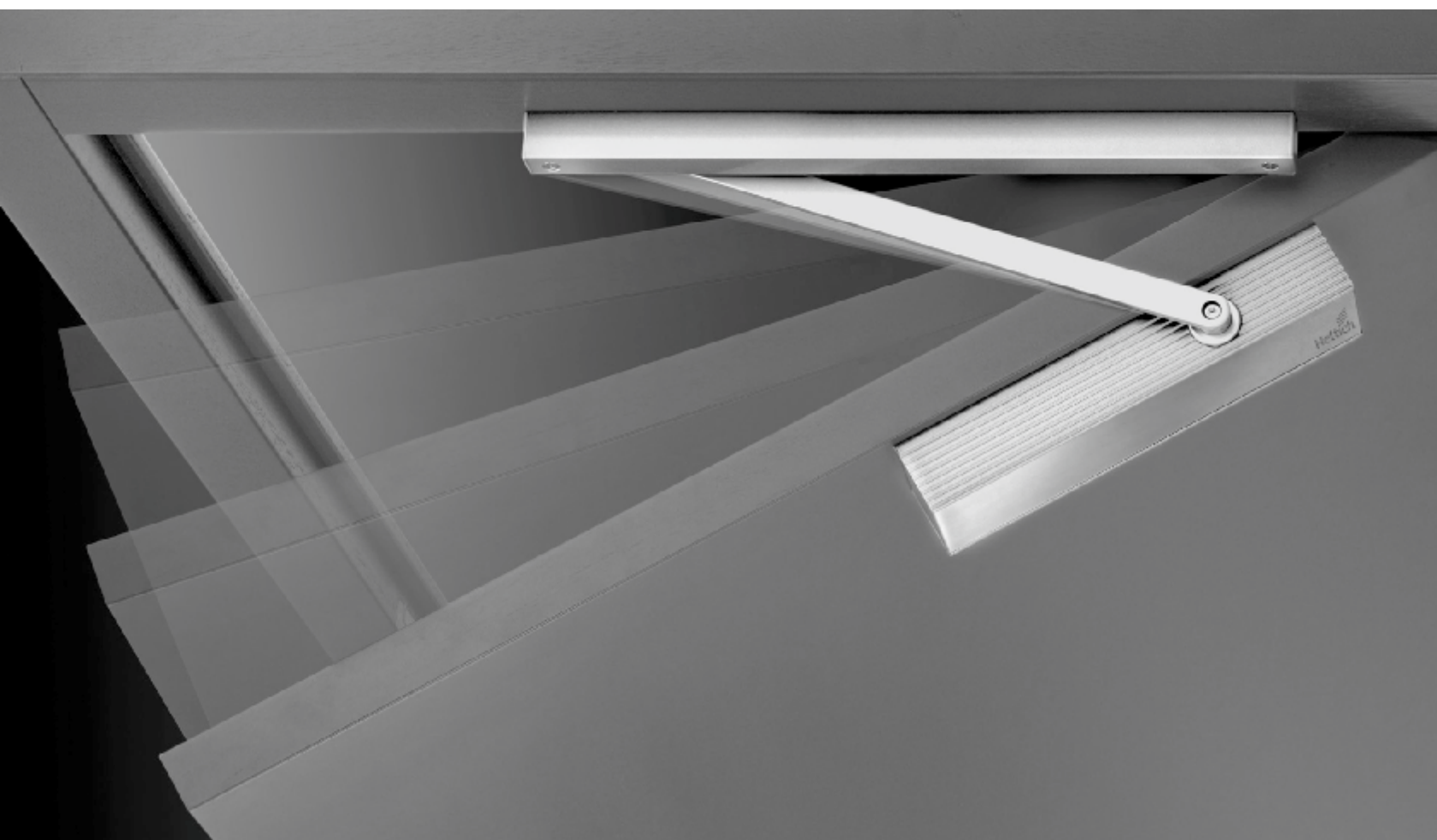
	Conformité Européenne, meaning "European Conformity"
	European Norm for Fire Protection Certification for Hardware
	European Norm for Door Closing Devices
	European Norm for Door Coordinator Devices
	European Norm for Lever Handles & Knob Furniture
	European Norm for Emergency Exit Locks with Door Handles
	European Norm for Panic Exit Devices
	European Norm for Mechanically Operated Locks, Latches & Locking Plates
	European Norm for Euro Profile Cylinders for Mortise Locks
	European Norm for Hinges

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Effortless opening; powerful closing

Nothing compares to the effortless and safe Hettich Door Closers. Hettich Door Closer guarantees automatic closing and protection from heat, noise and pollution. It conforms to the highest safety standards, works proactively in emergency situations and is simple and easy. And we have made it a point to make it child safe as well! Available in both concealed and surface mounted door closer options.



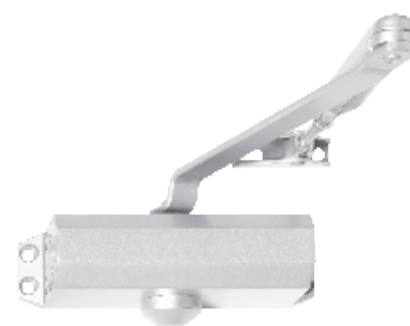
The new door closer generation from Hettich: a meticulously well-conceived design consisting of a stainless steel cover and aluminium body. Concealed mounting plates, adjusting elements protected against vandalism, colour-matched materials and the variable combination of all slide rail door closers with closing sequence regulator systems are the distinguishing features of this new generation of door closer models.



Door closers have to cope with routine daily business and emergency situations: they soften the door strike and close the door securely. In emergency situations, they guarantee that fire compartments are separated reliably so that lives can be saved.



Door closers have a safety function, which makes them a part of the architecture. Hettich door closer portfolio reflects the complete spectrum of practical demands of modern architecture – no matter whether these are defined for aesthetic or functional reasons.



Hettich Door closers extend from the functional standard of the standard arm door closer through minimized, aesthetic slide rail closers and hold-open systems to "virtually invisible" closing solutions integrated into the floor or door leaf.

Classification Coding System – Door Closers: EN 1154

► EN 1154 testing is evaluated as per below:

1. Category of Use

Grade 3: For closing doors from at least 105° open

Grade 4: For closing doors from at least 180° open

2. Durability

Only one test duration is identified for door closers manufactured to this standard:

Grade 8: 500,000 Test cycles

3. Door closer power size

Grade See table below: Where a door closer provides a range of power sizes

1-7: both the minimum and the maximum sizes shall be identified

4. Suitability for use on fire/smoke doors

Grade 0: Not suitable for use on fire/smoke resistant door assemblies

Grade 1: Suitable for use on fire/smoke door assemblies

5. Safety

Grade 1: All door closers are required to satisfy the essential requirement of safety in use; therefore only grade 1 is identified

6. Corrosion Resistance

Grade 0: No defined corrosion resistance

Grade 1: Mild resistance

Grade 2: Moderate resistance

Grade 3: High resistance

Grade 4: Very high resistance

Door closer power size	Recommended door leaf width mm(max.)	Test door mass kg	Closing moment				Opening moment between 0°and 6° Nm(max.)	Door closer efficiency between 0° and 4° % (min.)
			Between 0°and 4°		Between 88° and 92° Nm(min.)	Any other angle of opening Nm(min.)		
			Nm(min.)	Nm(max.)				
1	750	20	9	13	3	2	26	50
2	850	40	13	18	4	3	36	50
3	950	60	18	26	6	4	47	55
4	1100	80	26	37	9	6	62	60
5	1250	100	37	54	12	8	83	65
6	1400	120	54	87	18	11	134	65
7	1600	160	87	140	29	18	215	65

Classification Coding System – Door Coordinator Devices: EN 1158

► EN 1158 testing is evaluated as per below:

1. Category of Use

Grade 3: For all internal and external doors in use by the public and others, with little incentive to take care, i.e. where there is some chance of misuse of the door

2. Durability

Two test durations are identified for door coordinator devices manufactured to this standard:

Grade 5: 50,000 Test cycles

Grade 8: 500,000 Test cycles (for door coordinator devices incorporated in, or for use in conjunction with, automatic swing door operators)

3. Door coordinator size

Grade See adjacent table: Where a door coordinator device is suitable for a range of door closer power sizes, both the minimum and maximum sizes shall be identified

4. Suitability for use on fire/smoke doors

Grade 0: Not suitable for use on fire/smoke door assemblies

Grade 1: Suitable for use on fire/smoke door assemblies

5. Safety

Grade 1: All door coordinator devices are required to satisfy the essential requirement of safety in use; Therefore only grade 1 is identified

Door coordinator size	Recommended door leaf width mm (max.)	Test door mass kg	Distance between hinge centre lines mm (max.)	Test door friction Nm (max.)
3	950	60	1900	0,3
4	1100	80	2200	0,4
5	1250	100	2500	0,5
6	1400	120	2800	0,6
7	1600	160	3200	0,8

Surface Mounted Door closer with Slide rail

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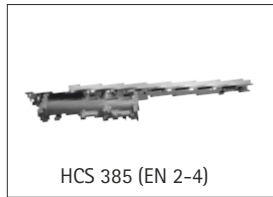
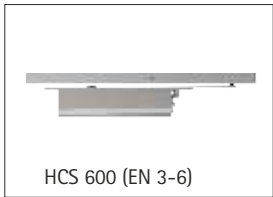
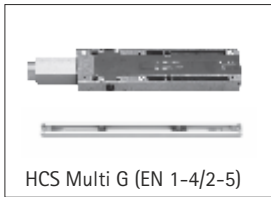
Surface Mounted Door closer with Standard Arm

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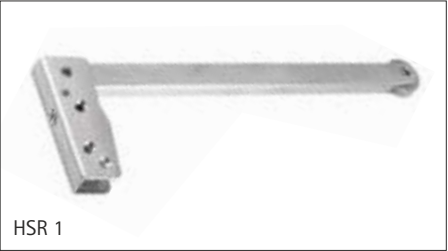
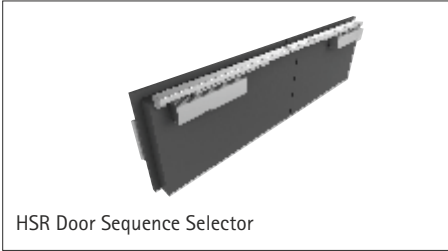
Concealed Door closer with Slide rail

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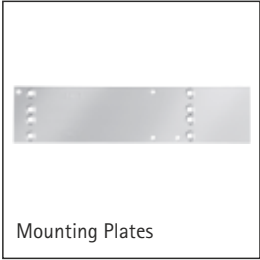
Door Coordinator

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Accessories

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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 envelops 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 allen 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



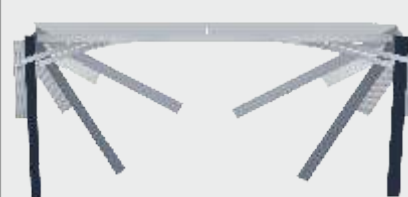
Hettich door closers are up to 1,000 grams lighter than comparable solutions. Their intelligent construction and carefully planned use of materials help considerably to save resources-without compromising functionality, safety, security or quality.

Uniform finishing edge & colour design

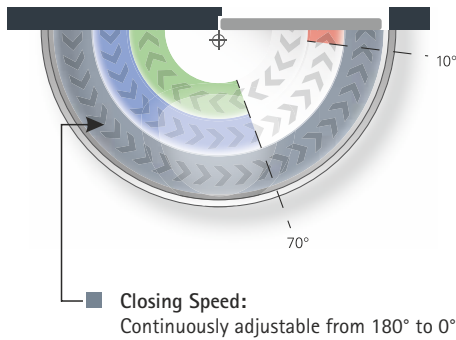


The mounted slide rail and door closer are flush when the door is closed. The colours of all materials are perfectly matched – right down to the end caps of the slide rail. In this way, Hettich door closers can be integrated harmoniously into every design context.

Combination talent

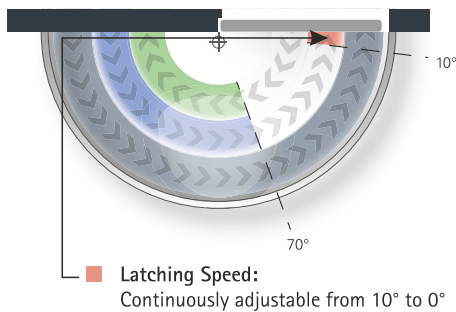


The Hettich Door closer Vario concept permits the use of all slide rail door closers and can even be combined with different door leaf widths. In this way, optimum value for money can be achieved for each individual door situation.

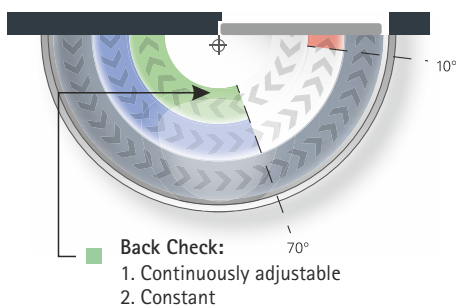


- **Closing Moment and Closing Speed:** The force generated by a door closing device which acts upon during the closing operation. It helps to adjust closing force according to width & weight of the door
- **Adjustable Closing Power:** By turning the Hex Notch clockwise or anticlockwise spring strength changes.
- **Adjustable Closing Speed:** By turning Valve Screw the flow of Liquid can be altered for adjustment of Closing speed.

Valve Adjustment

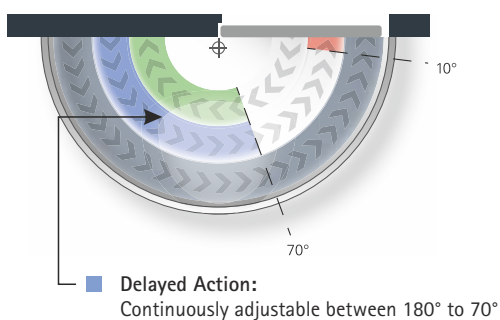


- **Latching Speed:** A speed control operable to increase the closing speed and thus the safe closing of the door, for example to overcome door seals, door locks and high air pressure. Continuously Adjustable Latching speed ensures perfect latching of all kind of locks.
- **Latching speed valve:** By turning Valve Screw the flow of Liquid can be further altered for adjustment of Latching speed.



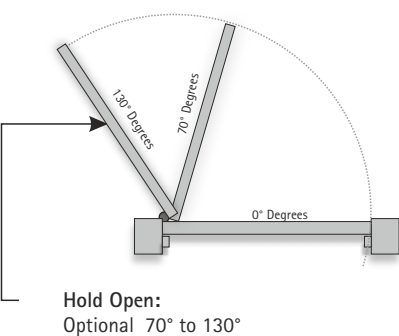
- **Back Check:** An inbuilt buffer which helps to prevent a door leaf being flung wide open by providing cushioning effect when the door is thrown open. Reduces the opening speed starting at 70° and avoids the slamming of the door.

- 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

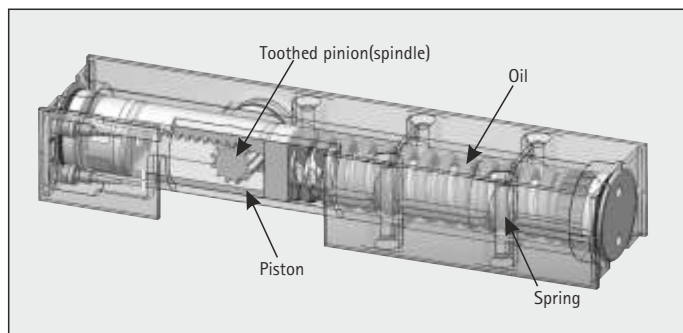
1. Hold Open Device for Slide Rail



2. Hold Open Arm



Rack And Pinion (Symmetric) Mechanism



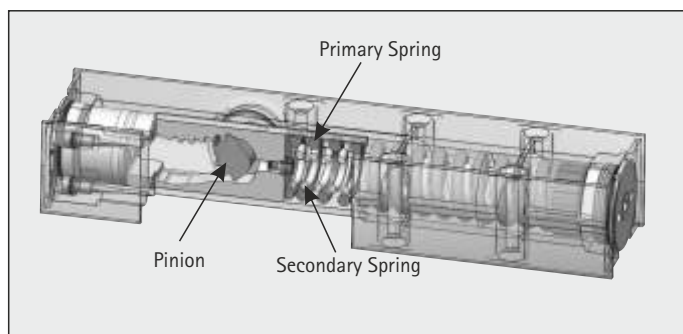
Rack And Pinion (Symmetric) Mechanism: A RACK & PINION device is designed primarily to convert rotary motion into linear motion and vice versa. The gear wheel (PINION) engages a flat toothed bar (RACK). The PINION in overhead type door closer is attached to an arm. When the door is manually pushed open, 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



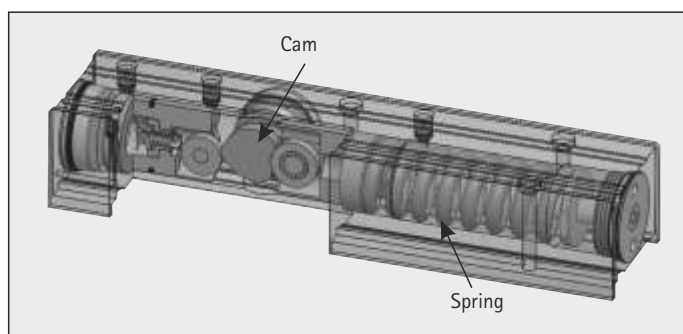
Rack and Pinion(Asymmetric): With the advent of the slide rail arm closer (deemed to be more aesthetically appealing) emerged an engineering problem. The fitting of a single arm in parallel to the closer body effectively diminished the mechanical advantage of the conventional scissor arm (V arm) closer. 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 utilized by Hettich to ensure positive closing force, yet rapidly decreasing moments (power drop-off) which equates to much easier opening of 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 (standard arm) closer.

Models conforming to above mechanism is HSS 61/51/41/31/33

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



Rack and Pinion(heart-shaped curve): A RACK & PINION device is designed primarily to convert rotary motion into linear motion and vice versa. The gear wheel (PINION) engages a flat toothed 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

Door Closer

► Range summary



Door closer with slide rail		HSS-61	HSS-61	HSS-51	HSS-41	HSS-31	HSS-33
■ Continuously adjustable ▣ Fixed - Not available	Closing force size acc. to EN	5-6	3-6	1-4	1-4	1-3	3
	Door width	≤ 1400 mm	≤ 1400 mm	≤ 1100 mm	≤ 1100 mm	≤ 950 mm	≤ 950 mm
	Latching speed	■	■	■	■	■	■
	Closing speed	■	■	■	■	■	■
	Back-check	■	■	■	▣	▣	-
	Tested acc. to EN	EN 1154 A	EN 1154 A	EN 1154 A	EN 1154 A	EN 1154 A	EN 1154 A

Door closer with standard arm		HSA-50	HSA-20	HSA-15	HSA-14	HSA-10 D EN HSA- 10 F	HSA-10
■ Continuously adjustable ▣ Fixed - Not available	Closing force size acc. to EN	2-6	2/3/5	2/3/4/5	1/2/3/4	2/3/4	2/3/4
	Door width	≤ 1400 mm	≤ 1250 mm	≤ 1250mm	≤ 1100 mm	≤ 1100 mm	≤ 1100 mm
	Latching speed	■	■	■	■	■	■
	Closing speed	■	■	■	■	■	■
	Back-check	▣	▣	-	-	-	-
	Tested acc. to EN	EN 1154 A	EN 1154 A	-	-	EN 1154 A	-

Concealed door closer with slide rail		HCS MG	HCS MG	HCS 600	HCS 400	HCS 385	HCS 380
■ Continuously adjustable ▣ Fixed - Not available	Closing force size acc. to EN	2-5	1-4	3-6	2-4	2-4	3
	Door width	≤ 1250 mm	≤ 1100 mm	≤ 1400 mm	≤ 1100 mm	≤ 1100mm	≤ 950 mm
	Latching speed	■	■	■	■	■	■
	Closing speed	■	■	■	■	■	■
	Back-check	-	-	■	-	▣	-
	Tested acc. to EN	EN 1154 A	EN 1154 A	EN 1154 A	EN 1154 A	-	-

EN STANDARDS		
EN Value	Recommended Door Width (MM)	Recommended Door Weight (KG)
EN 1	750	20
EN 2	850	40
EN 3	950	60
EN 4	1100	80
EN 5	1250	100
EN 6	1400	120
EN 7	1600	160

Door Closer

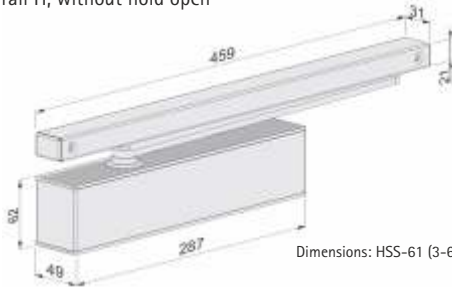
► Surface mounted with slide rail



Surface Mounted– HSS 61 with slide rail H (EN 3-6)

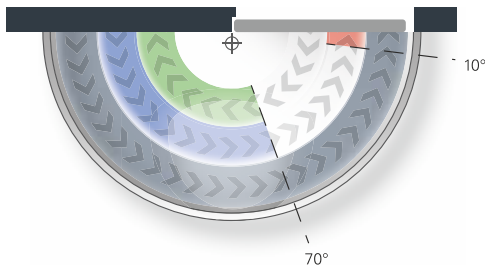


- Sector rack and Pinion Mechanism Door Closer
- Weight of door: 120 – 250 kg
- Tested & Certified 500,000 cycles
- Width of door: 950–1400 mm
- Installation location of slide rail can be adjusted up & down by ± 3 mm
- Door Material: Steel, Wooden, Profile Framed
- Door closer power continuous adjustment with an allen key from sides
- Finish : Silver
- Set includes Closer body, slide rail, mounting plate & cover
- Different model for Hinge & Hinge Opposite side mounting
- Slide rail H, without hold open



Dimensions: HSS-61 (3-6) with slide rail H

► For Hinge side mounting

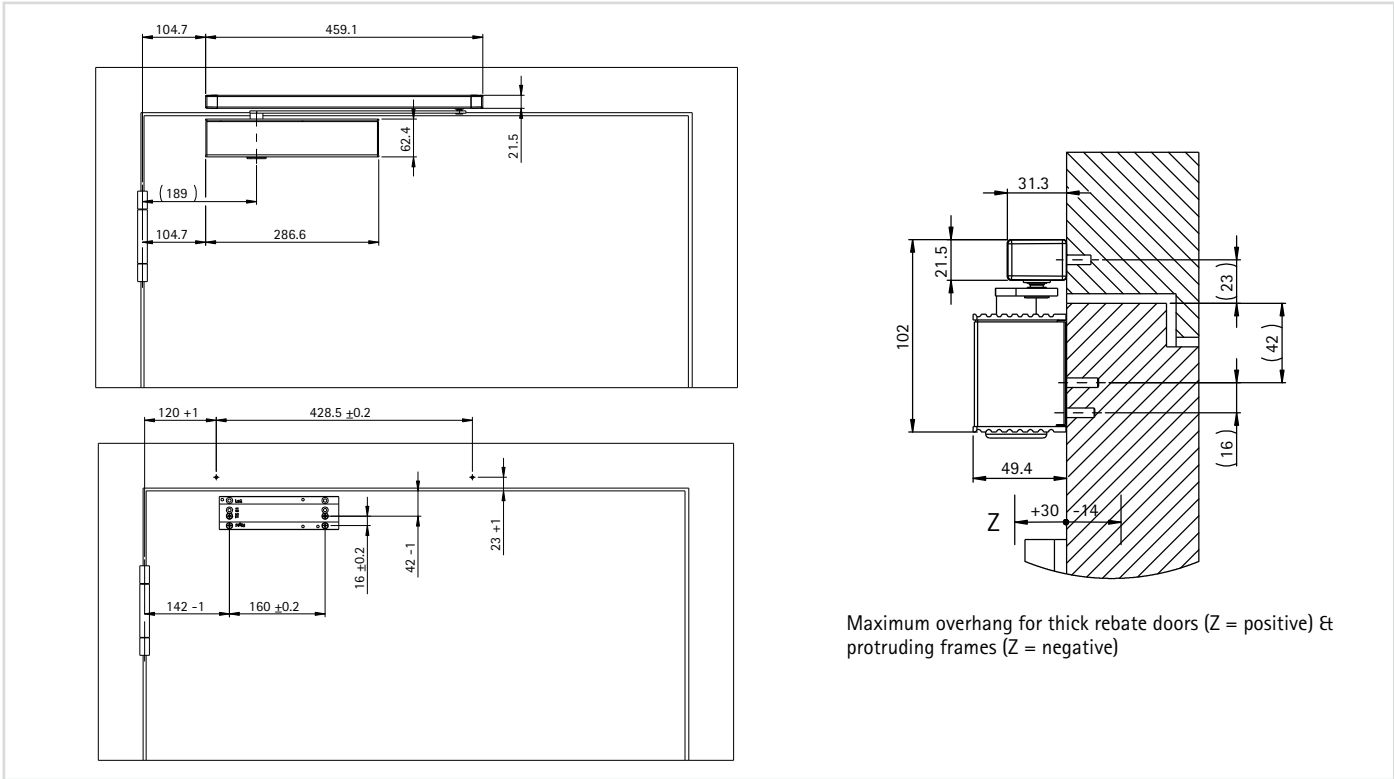


- Closing speed: Continuously adjustable closing speed from approx. 70° to 0°
- Latching speed: Continuously adjustable, works between 10 to 0°
- Back-check: Reduces the opening speed starting at 70°, continuously adjustable
- Delayed action: Delay action continuously adjustable. Works between 180° to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

Approved & Certified Product:

Surface Mounted– HSS 61 with slide rail H (EN 3-6) : Installation details hinge-side

Mounting HSS-61 B with slide rail H, hinge side



Maximum overhang for thick rebate doors (Z = positive) & protruding frames (Z = negative)

S.no.	Description	Unit	Article No.	PU
1	HSS 61 B: EN3-6, For Door Width 950 – 1400 mm, Door weight 120 – 250 kg, adjustable closing/latching speed/ back-check, EN1154, slide rail H, hinge side mounting, Non Hold Open	Set	9 250 942	01

Door Closer

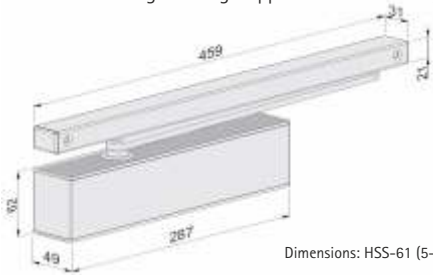
► Surface mounted with slide rail



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

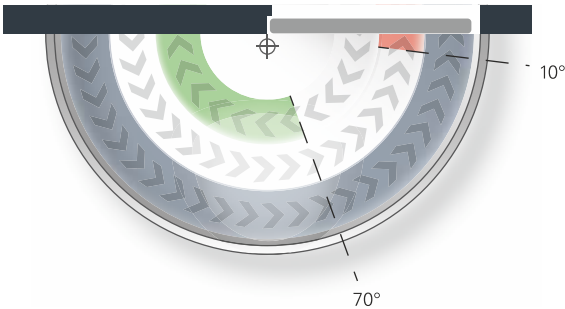


- Rack and Pinion (Asymmetric) Mechanism Door Closer
- Weight of door: 100-250 Kg
- Width of door: 1250-1400 mm
- Tested & Certified 500,000 cycles
- Door Material: Steel, Wooden, Profile Framed
- Door closer power continuous adjustment with an allen key from sides
- Finish : Silver
- Set includes Closer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



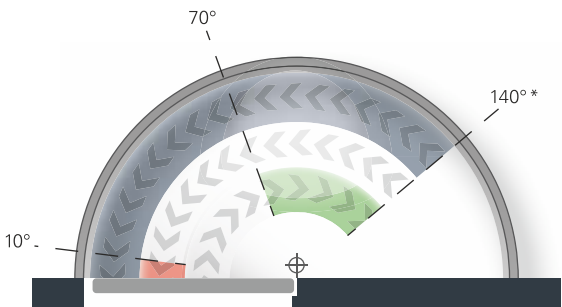
Dimensions: HSS-61 (5-6) with slide rail B

► 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°, 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

HSS 61 body can also be used with HSR Closing Sequence Selector
Please order according to Hinge side and hinge opposite side installation

Approved & Certified Product:   EN 1154 A



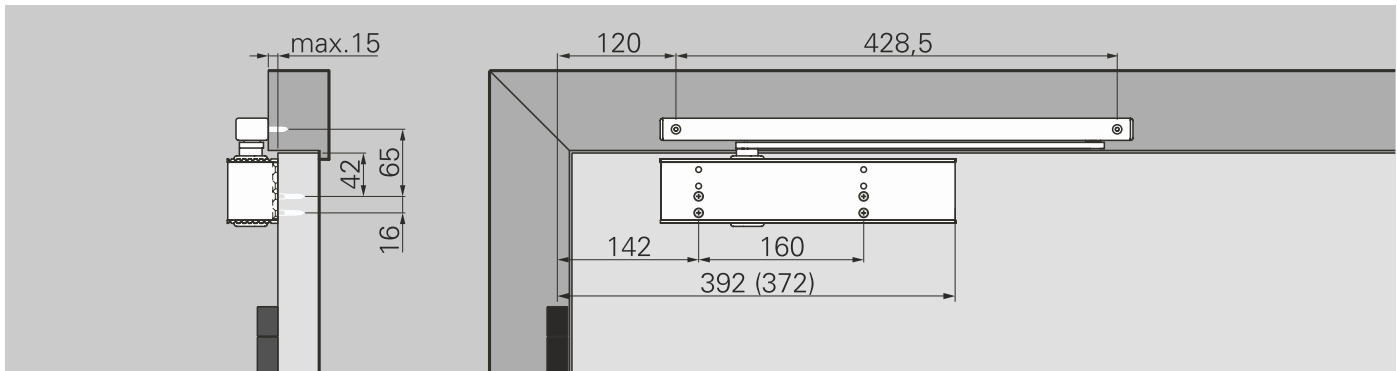
Please Check for Hinge side (B) & Hinge Opposite side (G) mounting before placing order

S.no.	Description	Unit	Article No.	PU
1	HSS 61 B: EN5-6, adjustable closing/latching speed/back-check, EN1154, hinge side mounting	Set	9 227 802*	01

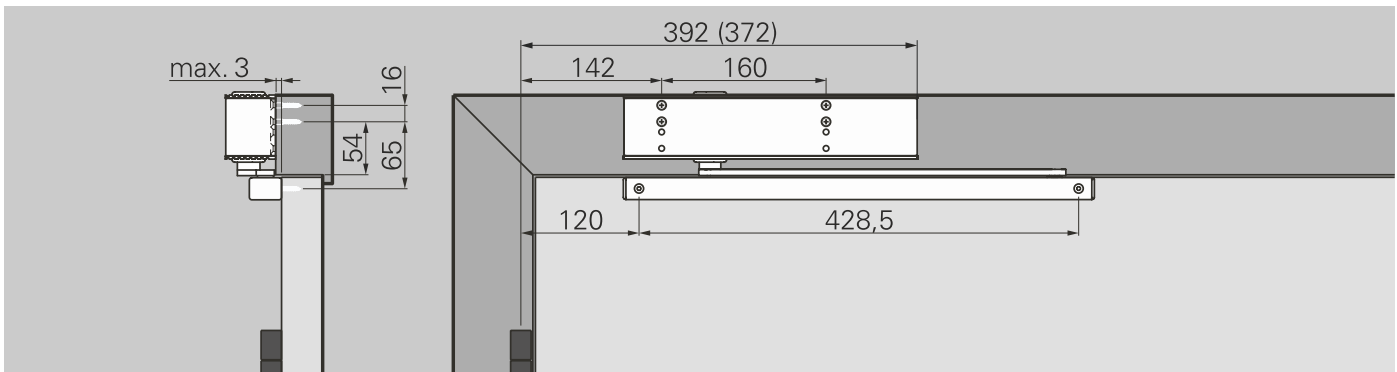
*Subject to stock last

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

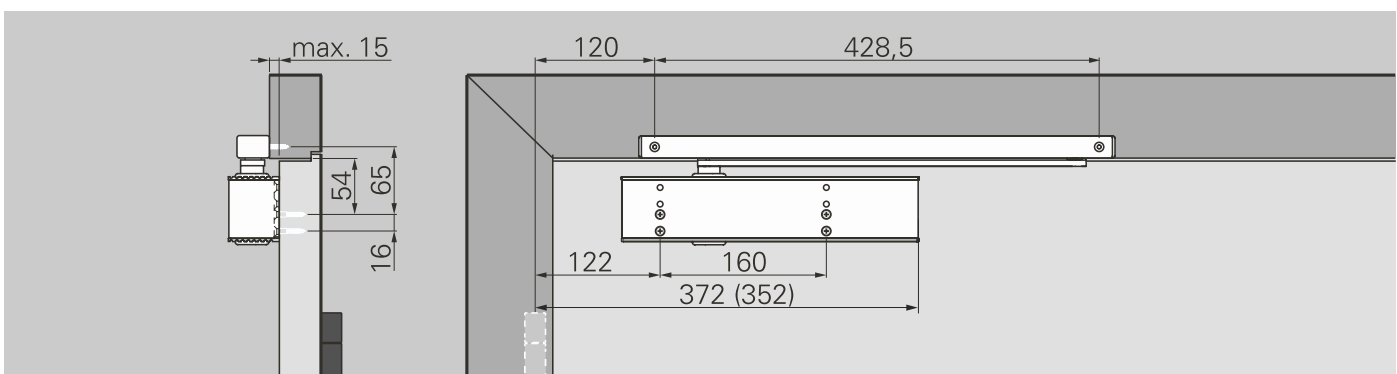


Head mounting HSS-61 G with slide rail B, hinge side

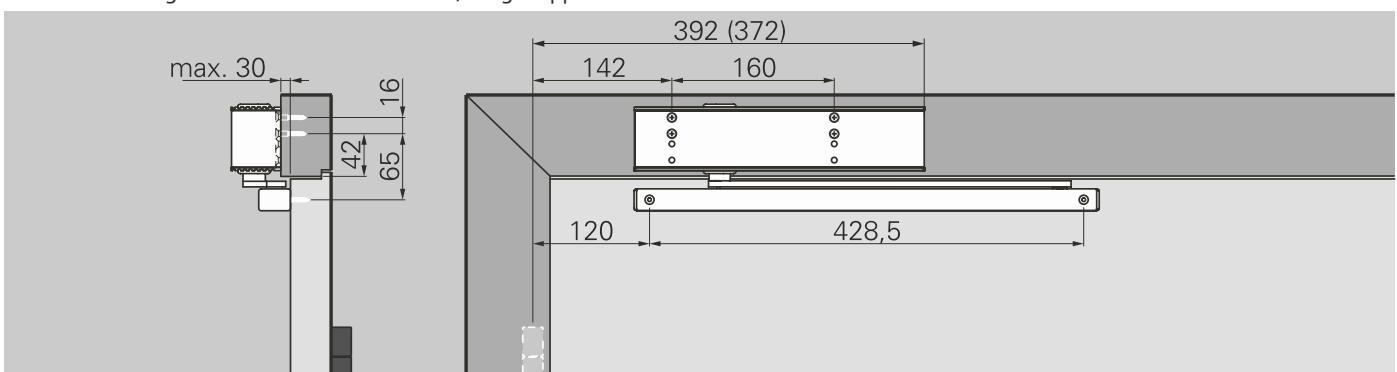


Surface Mounted– HSS 61 with slide rail B (EN 5-6) : Installation Details hinge-opposite side

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



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



Back- check out of order for head mounting

Door Closer

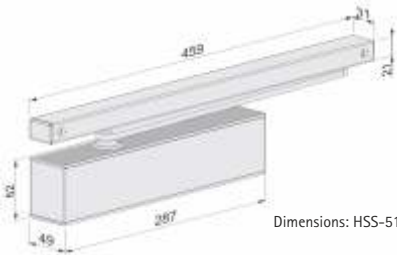
► Surface mounted with slide rail



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

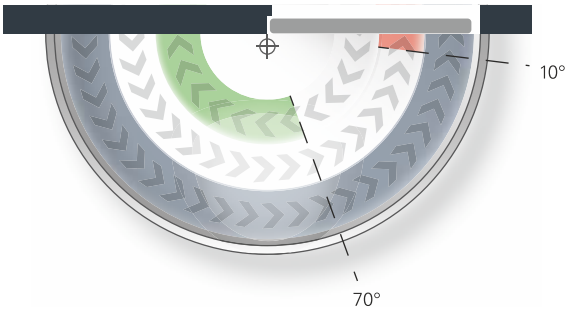


- Rack and Pinion (Asymmetric) Mechanism Door Closer
- Weight of door: 20-140 Kg
- Width of door: 750-1100 mm
- Tested & Certified 500,000 cycles
- Optional Hold Open
- Door Material: Steel, Wooden, Profile Framed
- Door closer power continuous adjustment with an allen key from sides
- Finish : Silver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



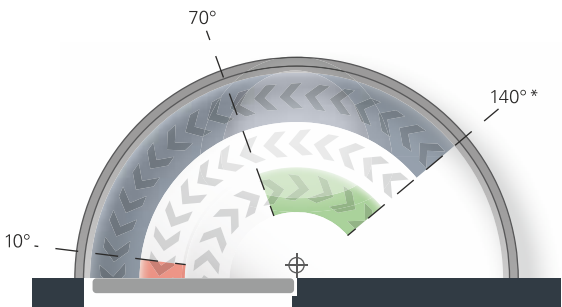
Dimensions: HSS-51 with slide rail B

► 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°, 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

Please order according to Hinge side and hinge opposite side installation

Approved & Certified Product:   EN 1154 A

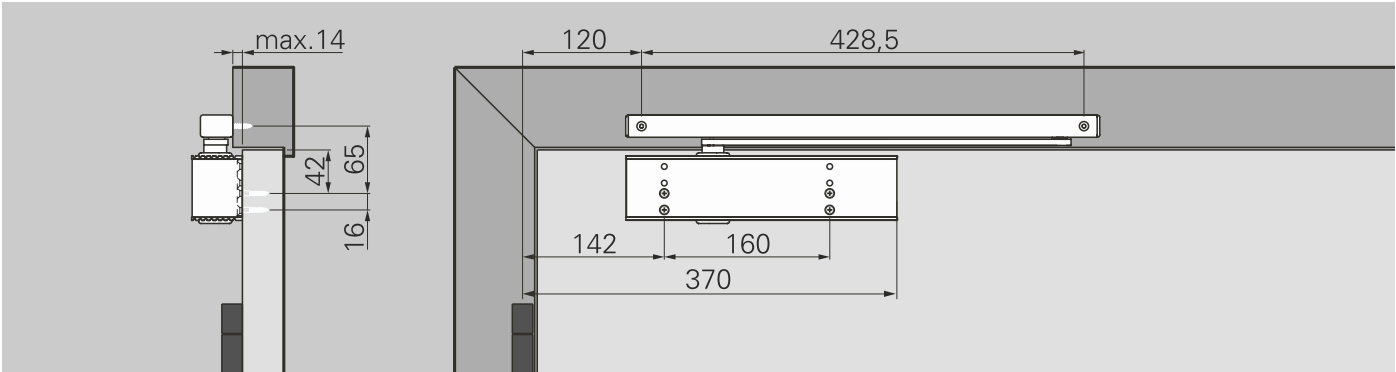


Please Check for Hinge side (B) & Hinge Opposite side (G) mounting before placing order

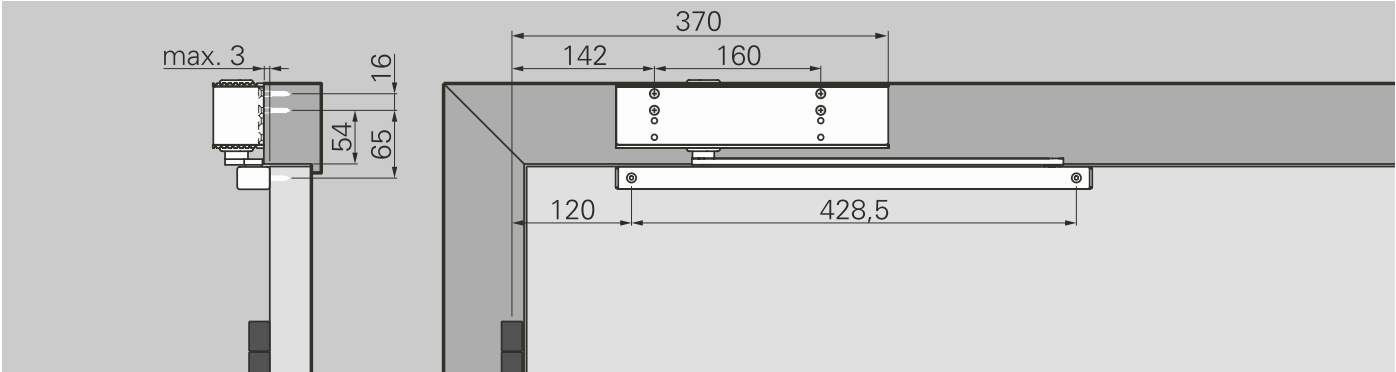
S.no.	Description	Unit	Article No.	PU
1	HSS 51 B: EN1-4, adjustable closing/latching speed/back-check, EN1154, hinge side mounting	Set	9 227 806	01
2	HSS 51 G: EN1-4, adjustable closing/latching speed/back-check, EN1154, hinge opposite side mounting	Set	9 227 807	01
3	HSS 51 B: EN1-4 Body, adjustable closing/latching speed/back-check, EN1154, hinge side mounting	Set	9 228 421	01
4	HSS 51 G: EN1-4 Body, adjustable closing/latching speed/back-check, EN1154, hinge opposite side mounting	Set	9 228 422	01

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

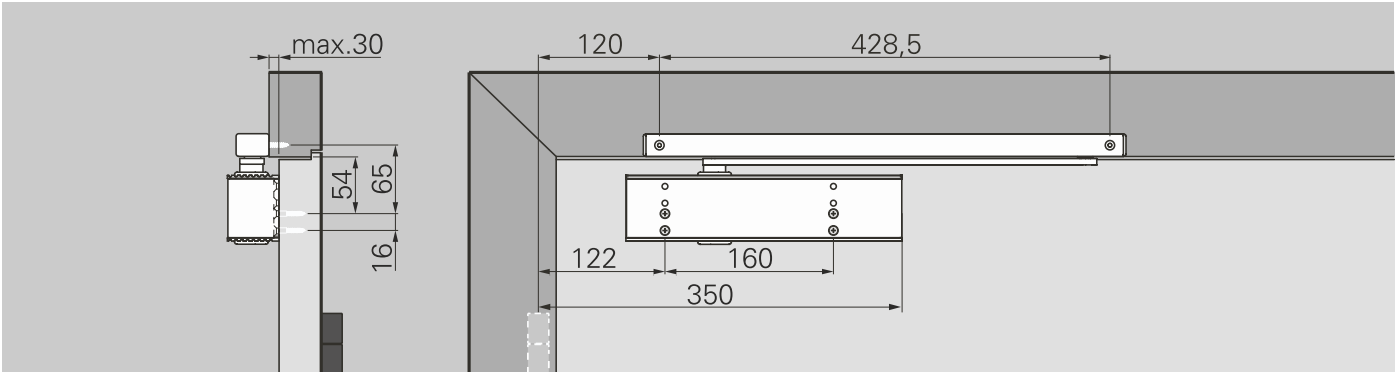


Head mounting HSS-51 G with slide rail B, hinge side

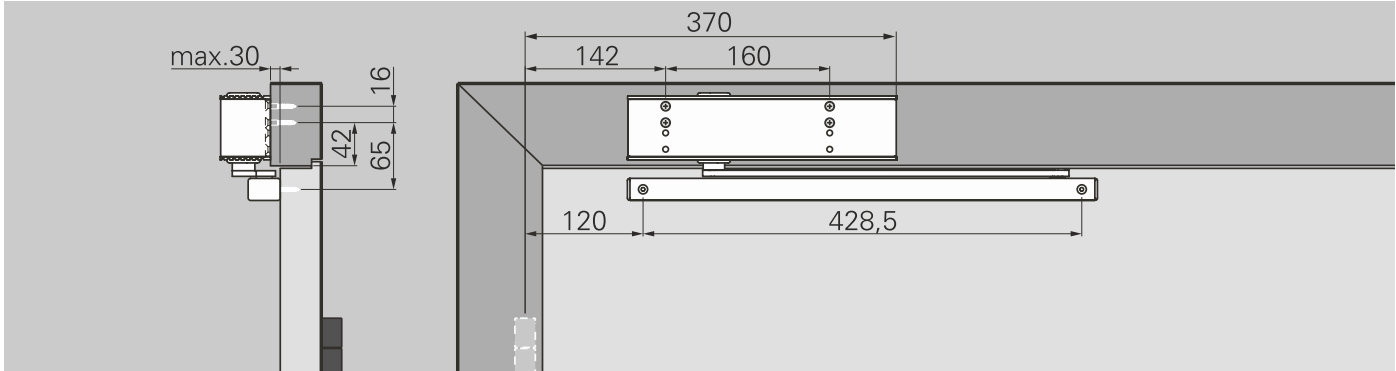


Surface Mounted– HSS 51 with slide rail B (EN 1-4) : Installation Details hinge-opposite side

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



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



Back- check out of order for head mounting

Door Closer

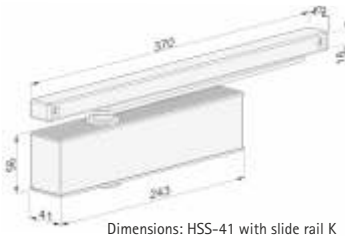
► Surface mounted with slide rail



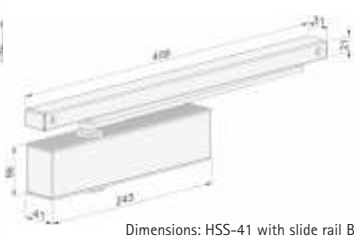
Surface Mounted – HSS 41 K/B (EN 1-4)



- 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
 - Door closer power continuous adjustment with an allen key from sides
 - Finish : Silver
 - Set includes Closer body, slide rail, mounting plate & cover
- ** Hold open device order separately

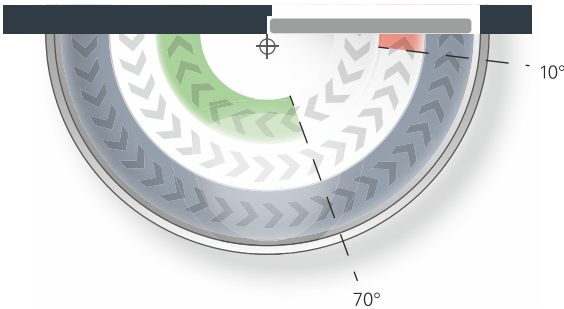


Dimensions: HSS-41 with slide rail K



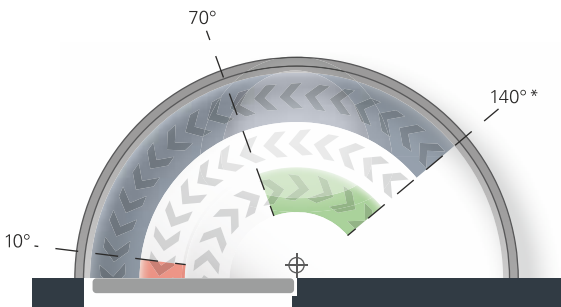
Dimensions: HSS-41 with slide rail B

► 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

Approved & Certified Product:

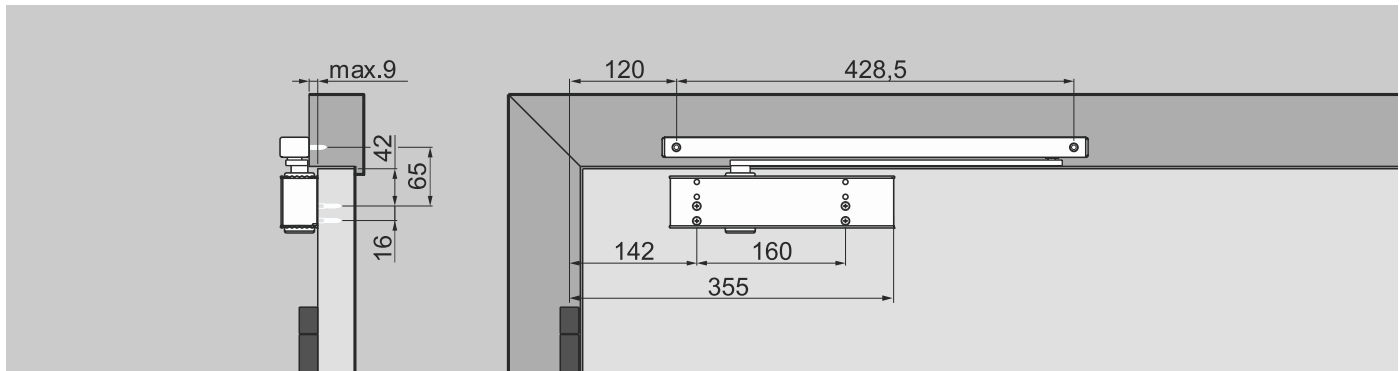


S.no.	Description	Unit	Article No.	PU
1	HSS 41: With slide rail B EN1-4, adjustable closing/latching speed, Fixed Back-check, EN1154	Set	9 227 808	01
2	HSS 41: With slide rail K EN1-4, adjustable closing/latching speed, Fixed Back-check, EN1154	Set	9 227 809	01
3	HSS 41: EN1-4 Body, adjustable closing/latching speed, Fixed Back-check, En1154	Set	9 228 423	01
4	HSS 41: EN 1-4, With slide rail B; For Door Width 750-1100 mm and Door Weight 20-120 kg; Fixed Back-check; EN1154 certified, Fire Rated;500,000 cycles tested, Finish BL	Set	9 251 401	01

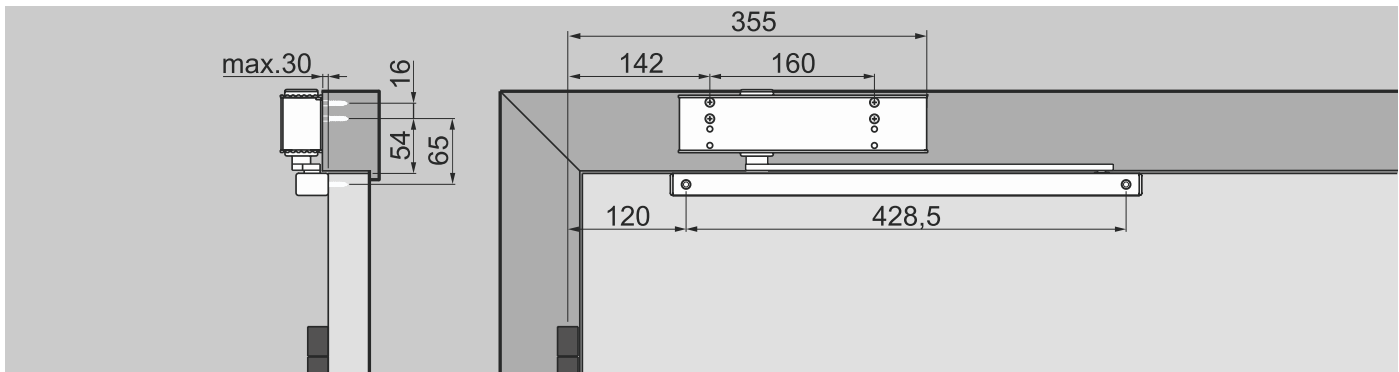
Article codes written in black are available on request.

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)

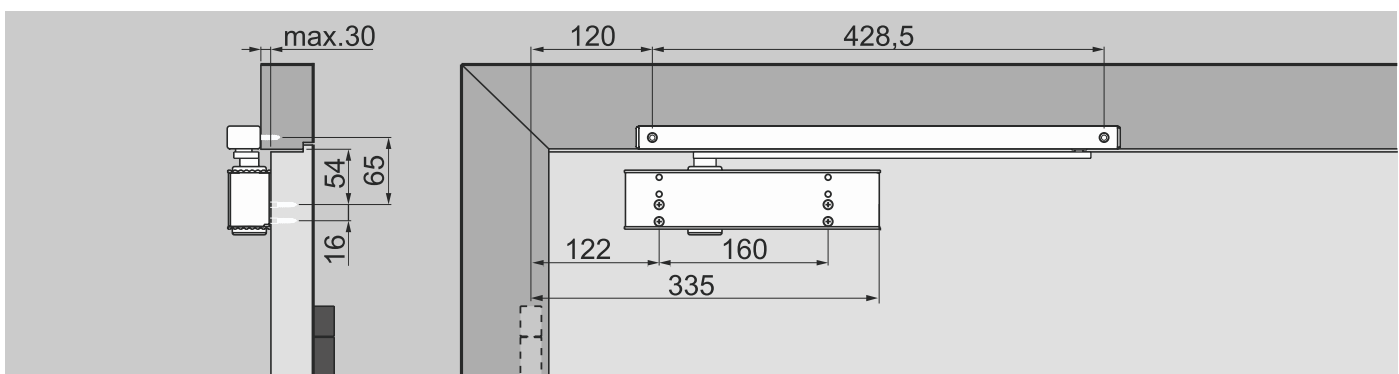


Head mounting with slide rail B, hinge side (Mounting, with mounting plate)

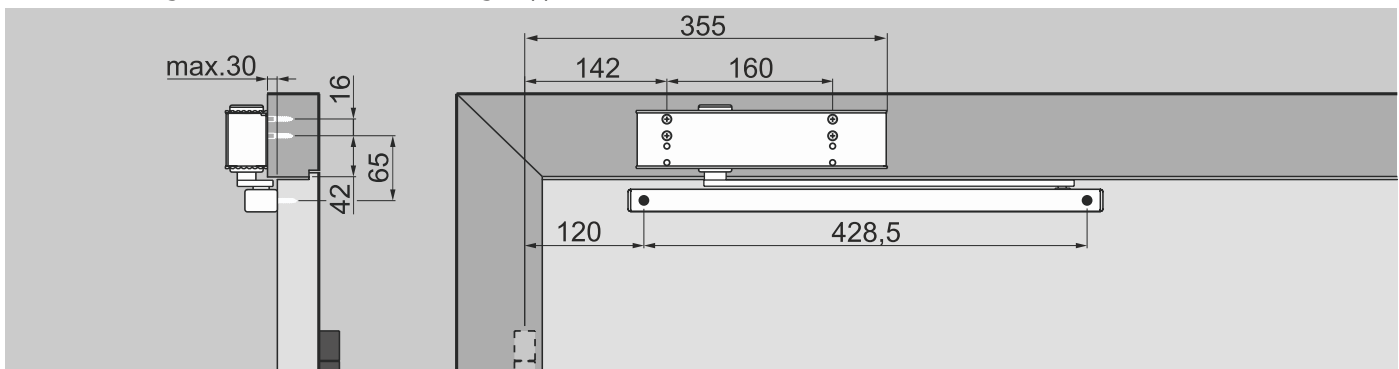


Surface Mounted– HSS 41 with slide rail B (EN 1-4) : Installation Details hinge-opposite side

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



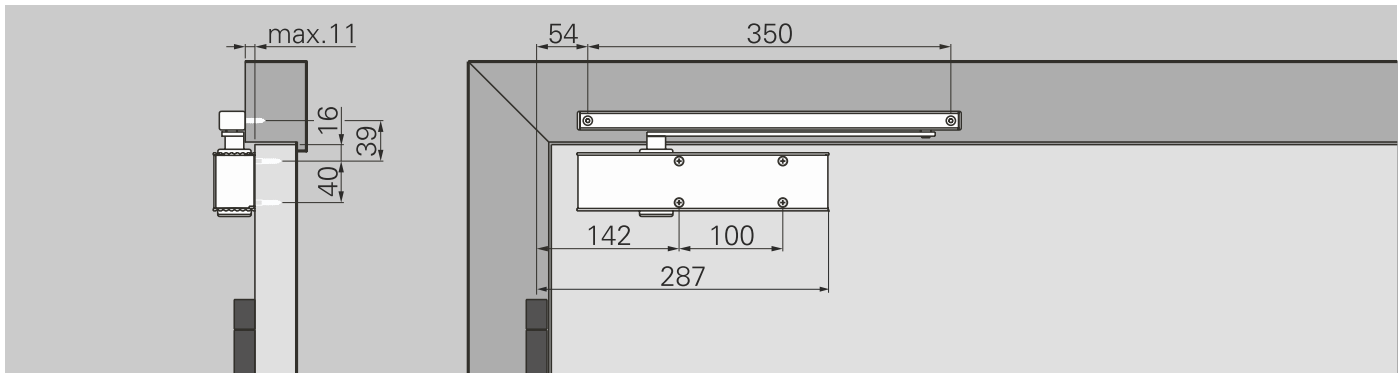
Head mounting HSS-41 with slide rail B, hinge-opposite side



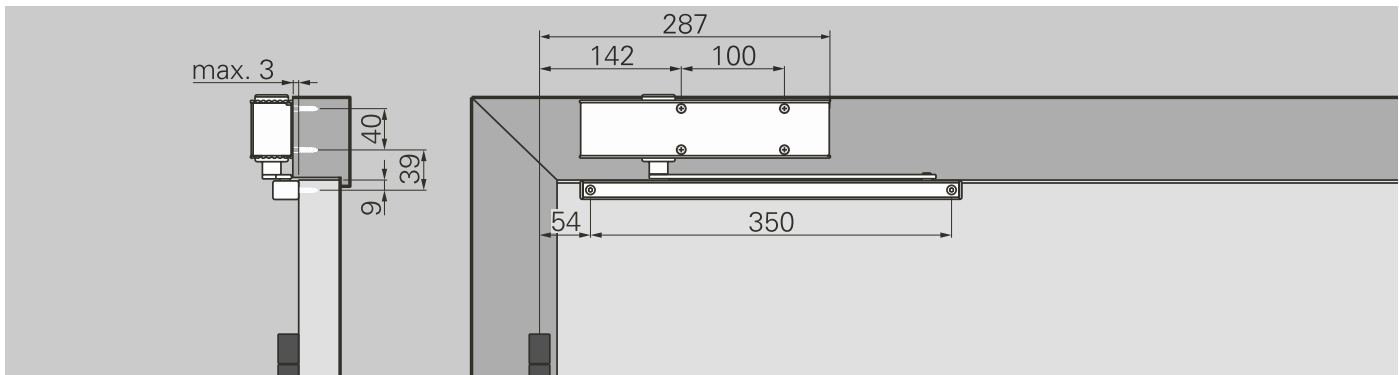
Back- check out of order for head mounting

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)

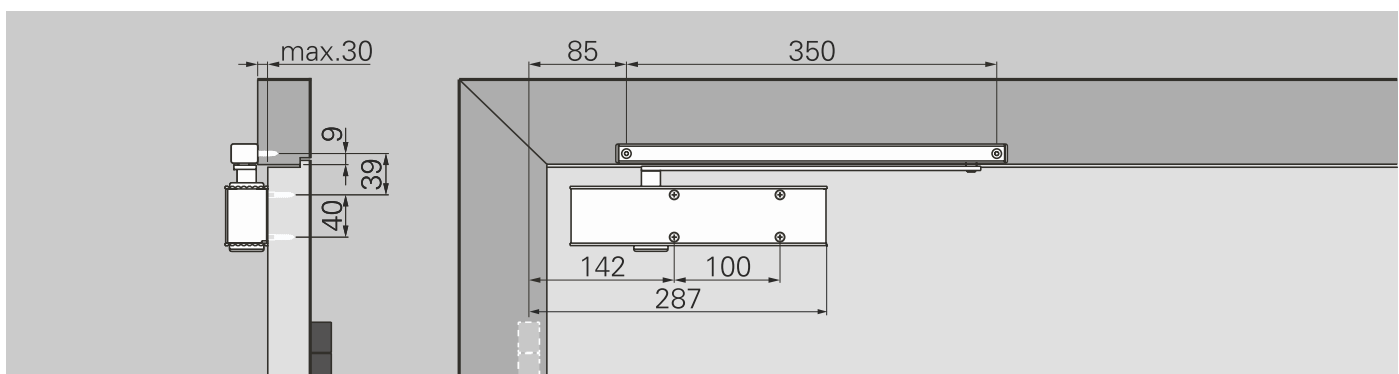


Head mounting with slide rail K, hinge side (direct mounting, without mounting plate)

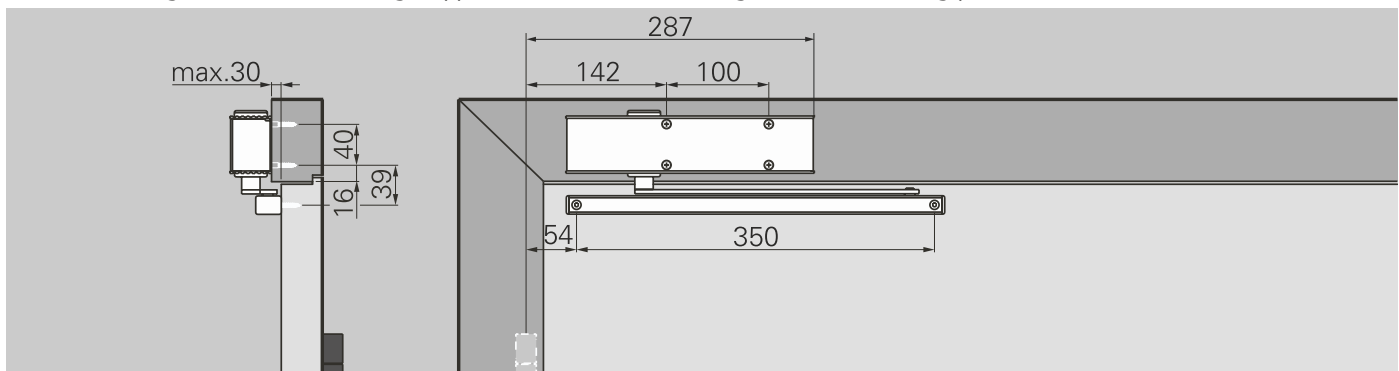


Surface Mounted– HSS 41 with slide rail K (EN 1-4) : Installation Details hinge-opposite side

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)



Back- check out of order for head mounting

Door Closer

► Surface mounted with slide rail



Surface Mounted – HSS 31 K/B (EN 1-3)

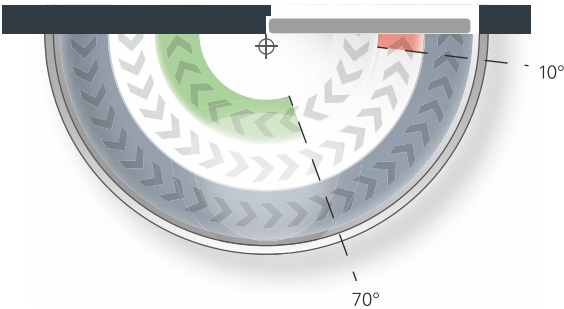


- Rack and Pinion (Asymmetric) Mechanism Door Closer
- Weight of door: 20-100 Kg
- Width of door: 750-950 mm
- Tested & Certified 500,000 cycles
- Hold Open can be achieved by inserting hold open device** in slide Rail B
- Door Material: Steel, Wooden, Profile Framed
- Door closer power continuous adjustment with an allen key from sides
- Finish : Silver
- Set includes Closer body, slide rail & cover
- ** Hold open device order separately



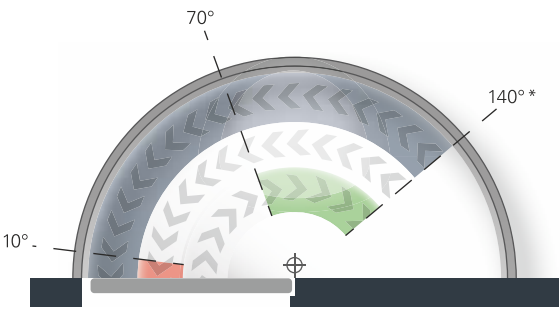
Dimensions: HSS-31 with slide rail K Dimensions: HSS-31 with slide rail B

► 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

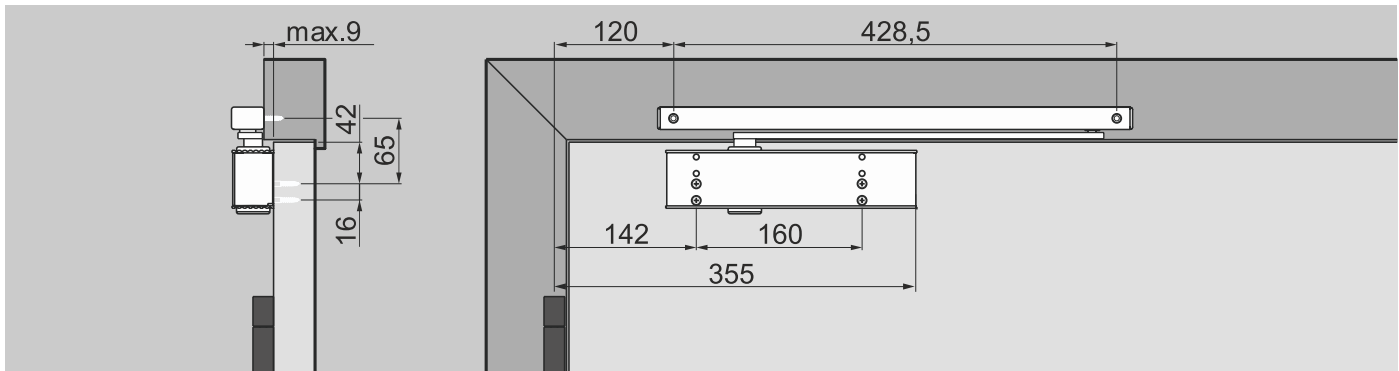
Approved & Certified Product:

S.no.	Description	Unit	Article No.	PU
1	HSS 31: With slide rail B EN1-3, adjustable closing/latching speed, Fixed Back-check, EN1154	Set	9 227 810	01
2	HSS 31: With slide rail K EN1-3, adjustable closing/latching speed, Fixed Back-check, EN1154	Set	9 227 811	01
3	HSS 31: EN1-3 Body, adjustable closing/latching speed, Fixed Back-check, EN1154	Set	9 228 425	01

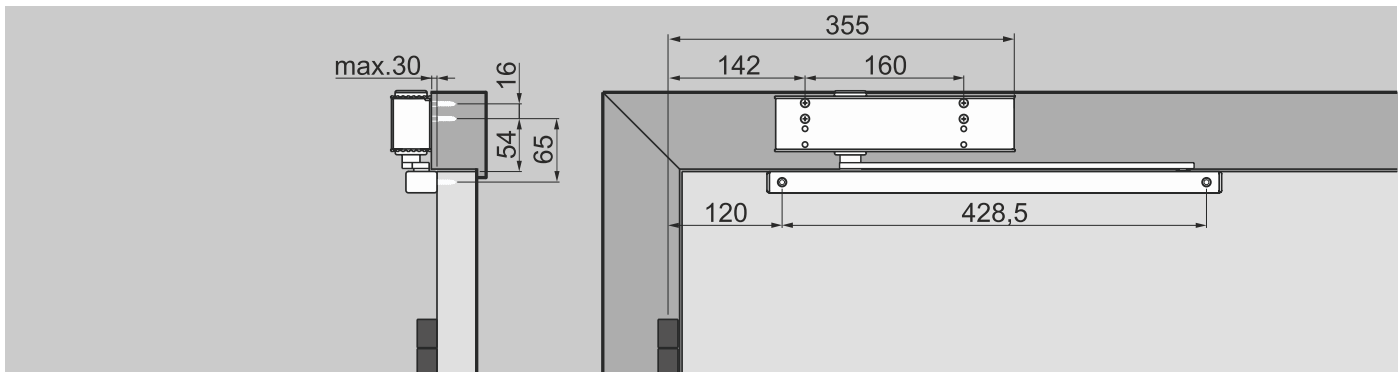
Article codes shaded in black are available on request.

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)

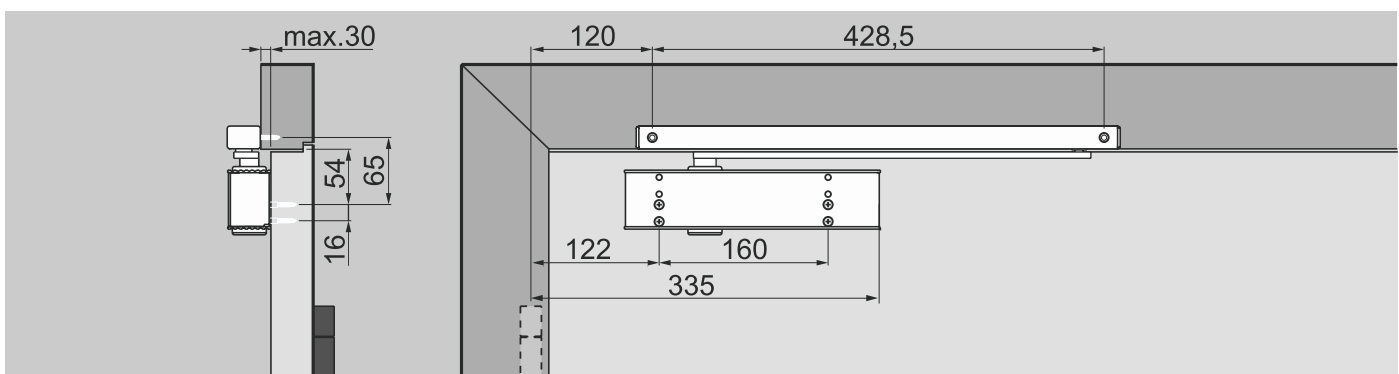


Head mounting with slide rail B, hinge side (Mounting, with mounting plate)

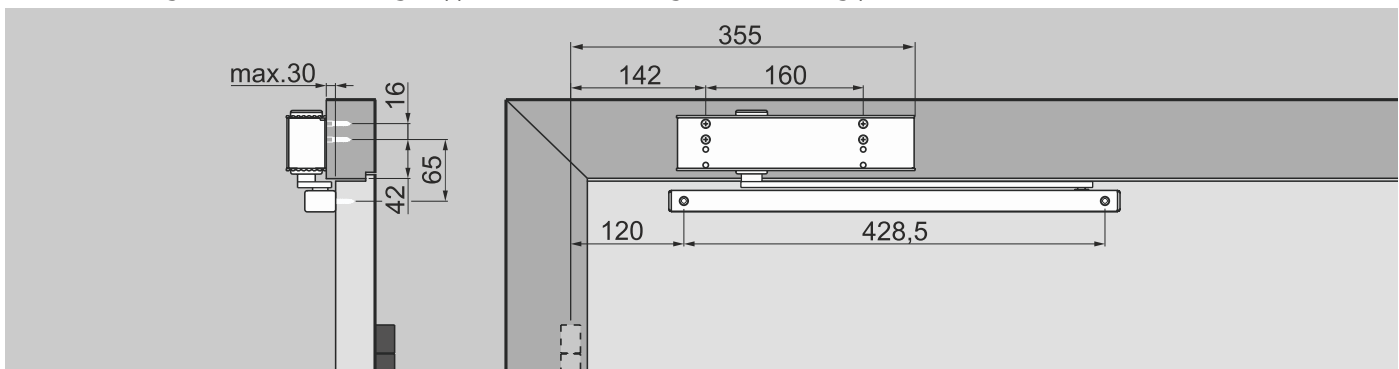


Surface Mounted– HSS 31 with slide rail B (EN 1-3) : Installation Details hinge-opposite side

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



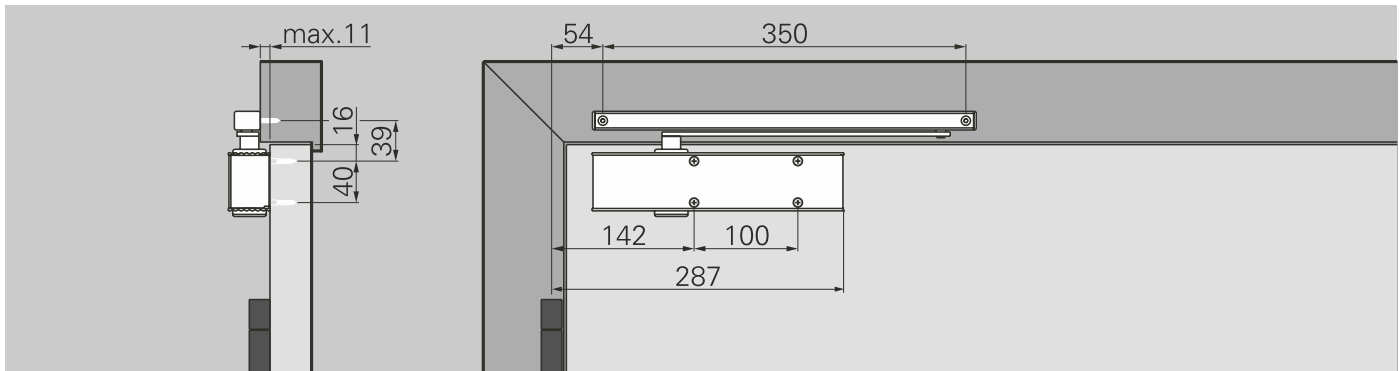
Head mounting with slide rail B, hinge-opposite side (Mounting, with mounting plate)



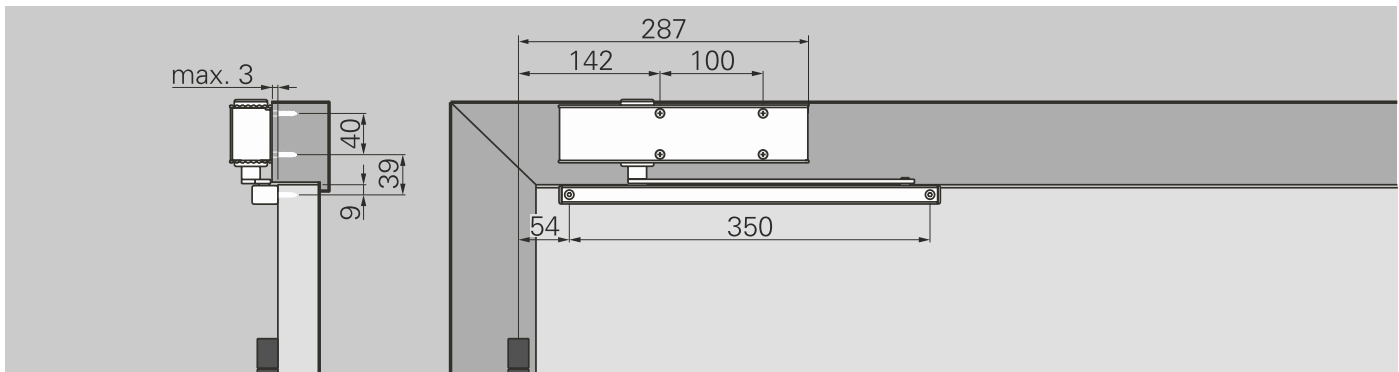
Back- check out of order for head mounting

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)

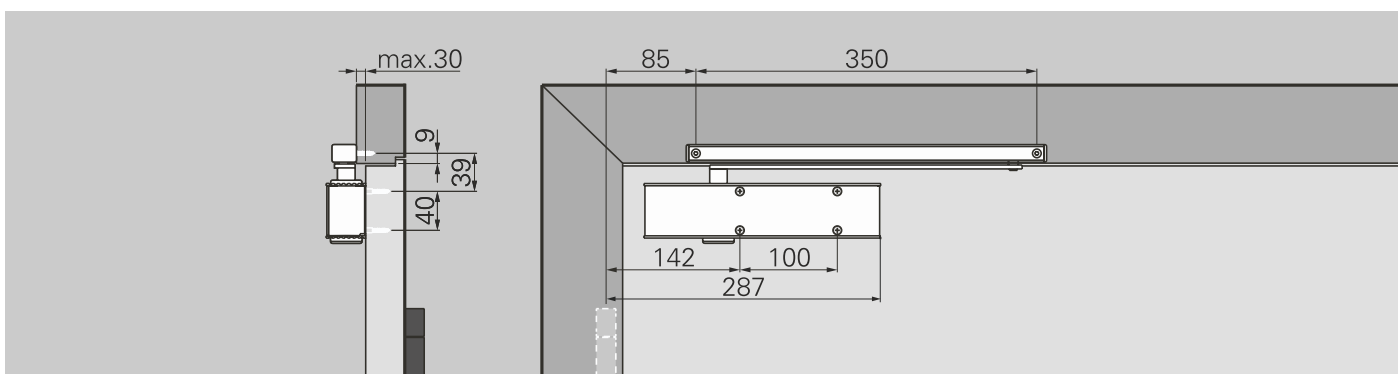


Head mounting with slide rail K, hinge side (direct mounting, without mounting plate)

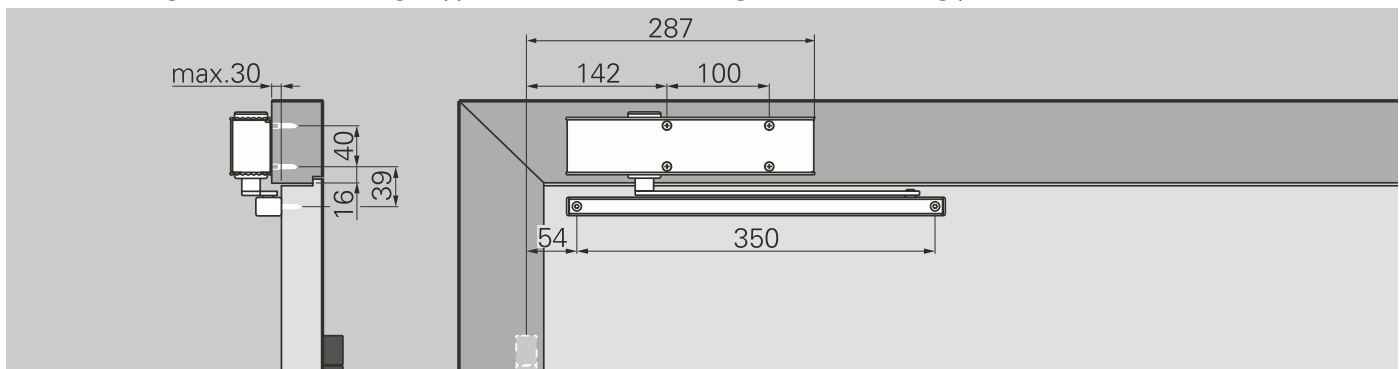


Surface Mounted– HSS 31 with slide rail K (EN 1-3) : Installation Details hinge-opposite side

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)



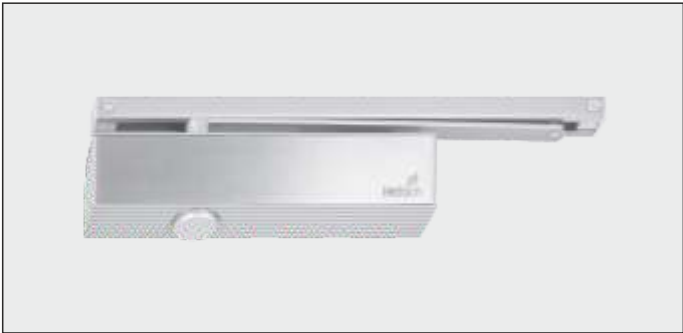
Back- check out of order for head mounting

Door Closer

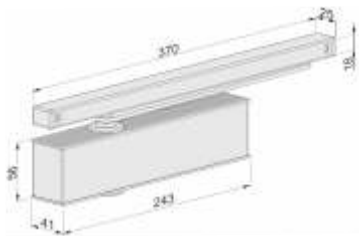
► Surface mounted with slide rail



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



Dimensions: HSS-33 with slide rail K

► 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

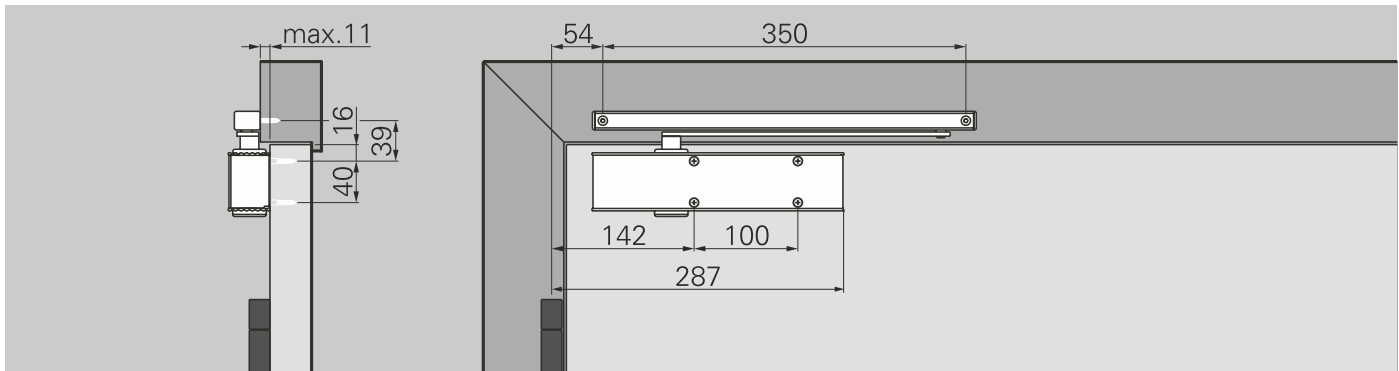
Approved & Certified Product:



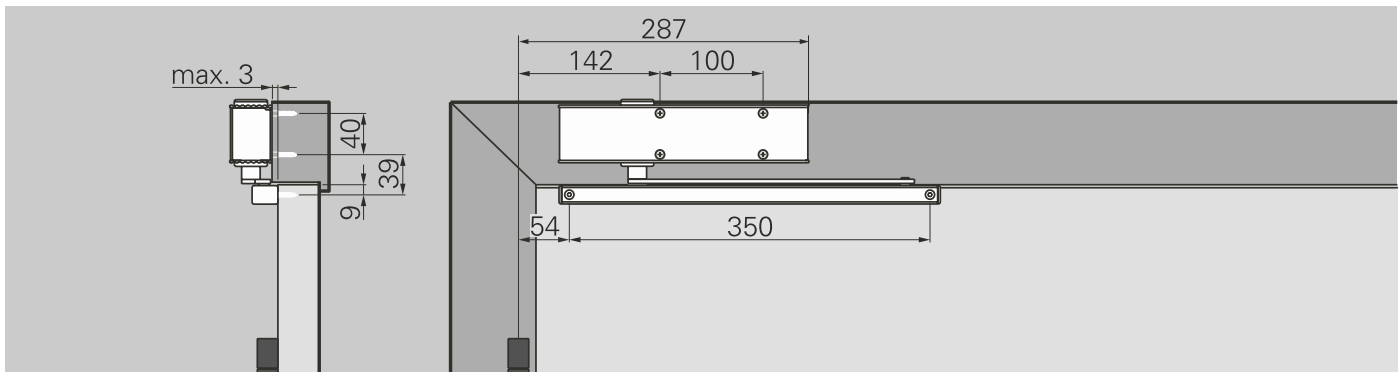
S.no.	Description	Unit	Article No.	PU
1	HSS 33: With slide rail K EN3, adjustable closing/latching speed, En1154	Set	9 227 812	01
2	HSS 33: EN3, With slide rail B , Door Width 750-950 mm & Door Weight 20-80 kg, adjustable closing/latching speed, with Hold Open, EN1154, Finish Black	Set	9 250 335	01
3	HSS 33: Hold Open Device for Slide rail K	Set	9 250 971	01
4	HSS 33: EN 3, With slide rail K; For Door Width 750-950 mm and Door Weight 20-80 kg, with hold open, Black	Set	9 250 957	01
5	HSS 33: EN 3, With slide rail K; For Door Width 750-950 mm and Door Weight 20- 80 kg; with Hold Open, Finish SA (EN1154 certified, Fire Rated; 500,000 cycles tested)	Set	9 250 996	01

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)

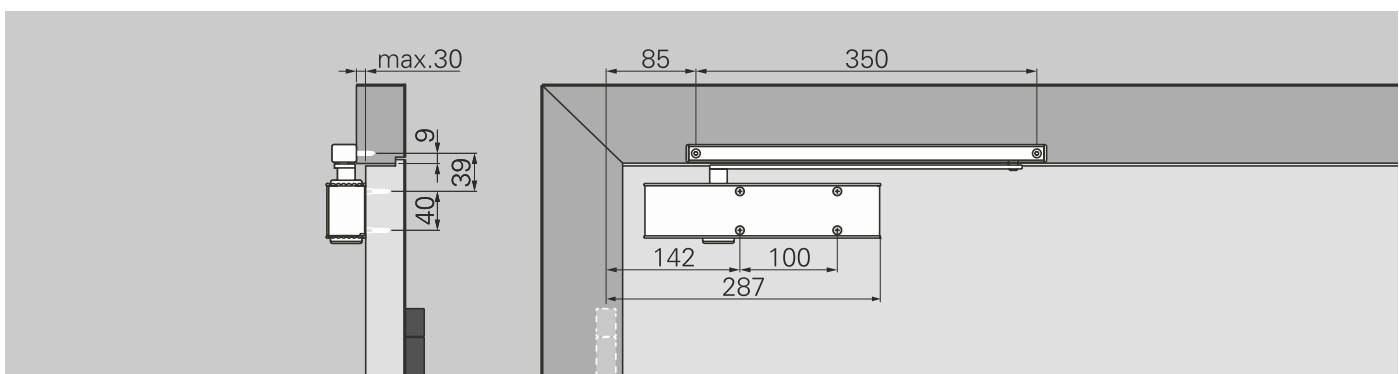


Head mounting with slide rail K, hinge side (direct mounting, without mounting plate)

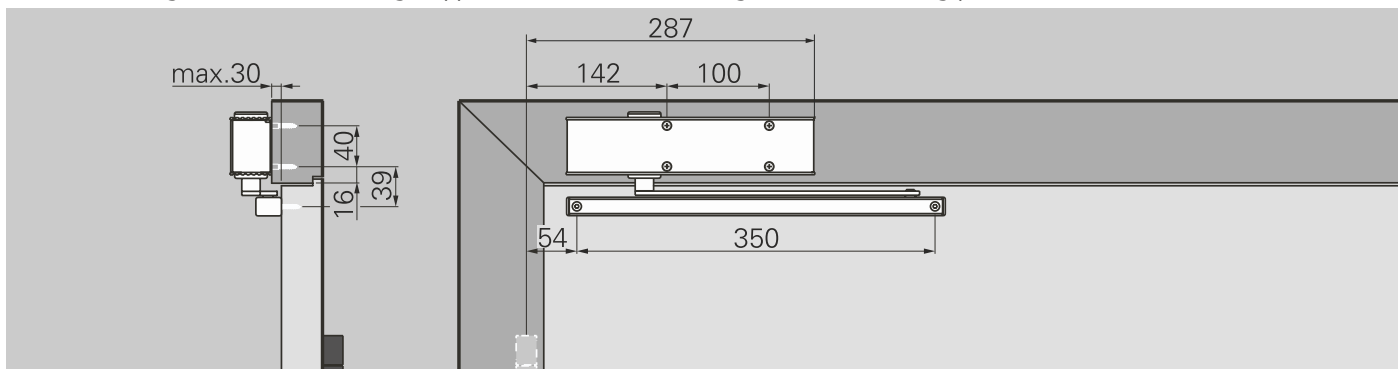


Surface Mounted– HSS 33 with slide rail K (EN 3) : Installation Details hinge-opposite side

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)



Door Closer

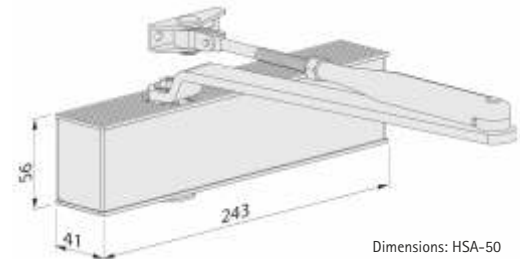
► Surface mounted with standard arm



Surface Mounted – HSA 50 (EN 2-6)

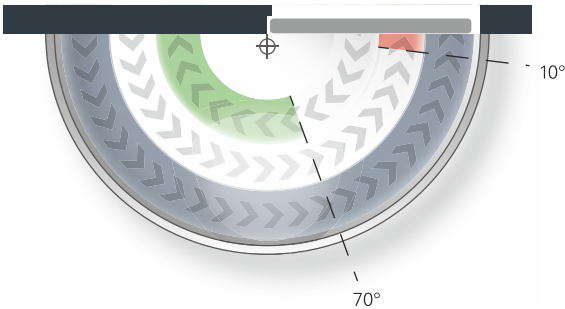


- Rack And Pinion (Symmetric) Mechanism Door Closer
- Weight of door: 20-150 Kg
- Width of door: 850-1400 mm
- Tested & Certified 500,000 cycles
- Optional Hold Open (with Hold Open Arm)
- Door Material: Steel, Wooden, Profile Framed
- Door closer power continuous adjustment with an allen key from sides
- Finish : Silver
- Set includes Closer body, standard arm & cover



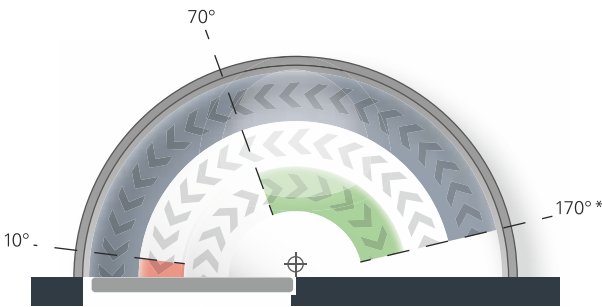
Dimensions: HSA-50

► For Hinge side mounting



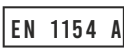
- Closing speed: Continuously adjustable closing speed from approx. 180° to 0°
- Latching speed: Continuously adjustable, works between 10° to 0°
- Back-check: Reduces the opening speed starting at 70°, fixed

► 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

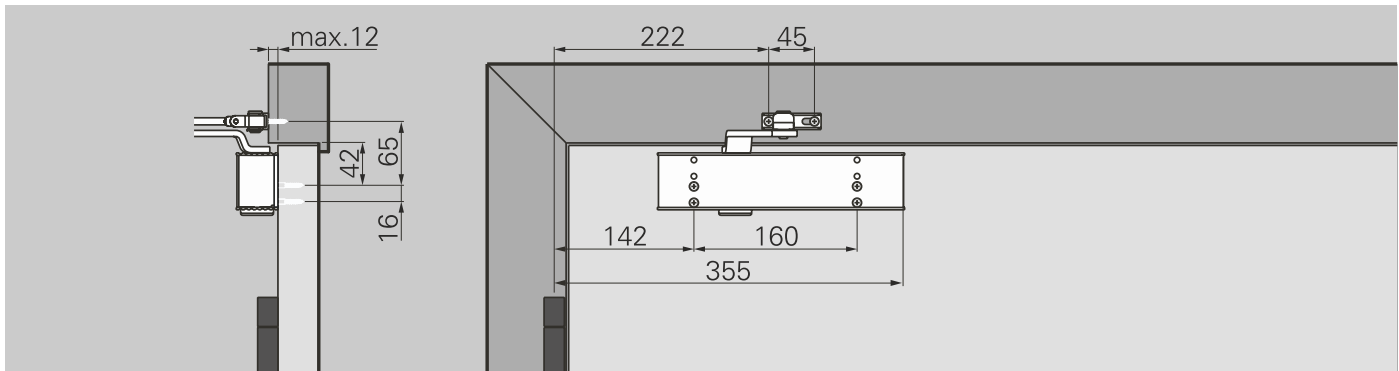
Approved & Certified Product:    

S.no.	Description	Unit	Article No.	PU
1	HSA 50 with standard arm EN 2-6, adjustable closing/latching speed, Fixed Back-check, EN1154	Set	9 227 813	01
2	HSA 50 EN 2-6 Body, adjustable closing/latching speed, Fixed Back-check, EN1154	Set	9 228 426	01
3	HSA 50 with Hold open arm EN 2-6, adjustable closing/latching speed, Fixed Back-check, EN1154	Set	9 250 301	01

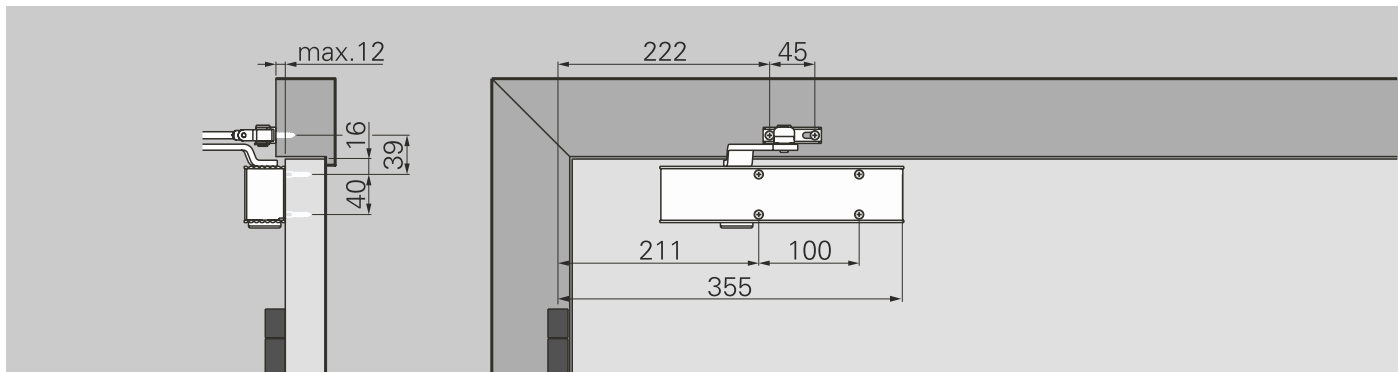
Article codes written in black are available on request.

Surface Mounted – HSA 50 (EN 2-6): Installation Details hinge-side

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

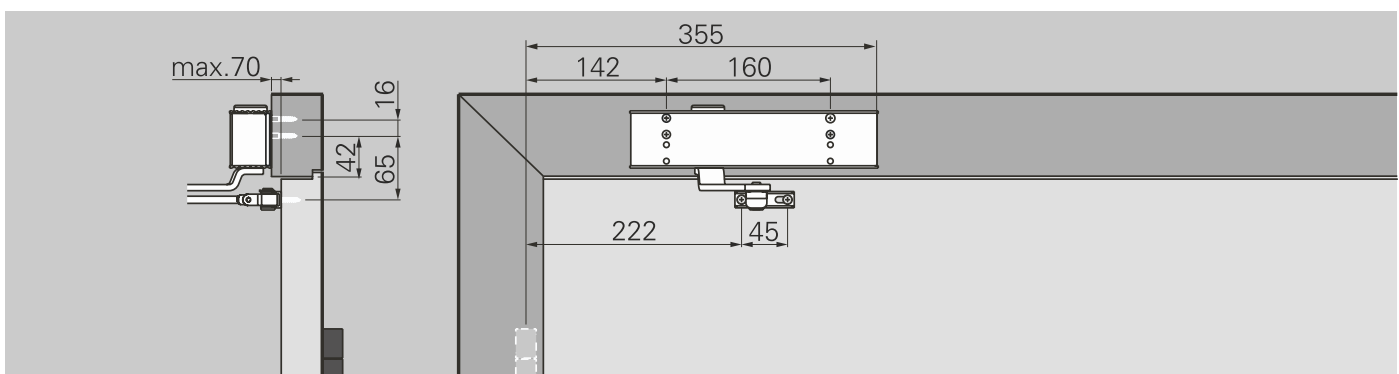


Standard mounting, hinge side (direct mounting, without mounting plate)

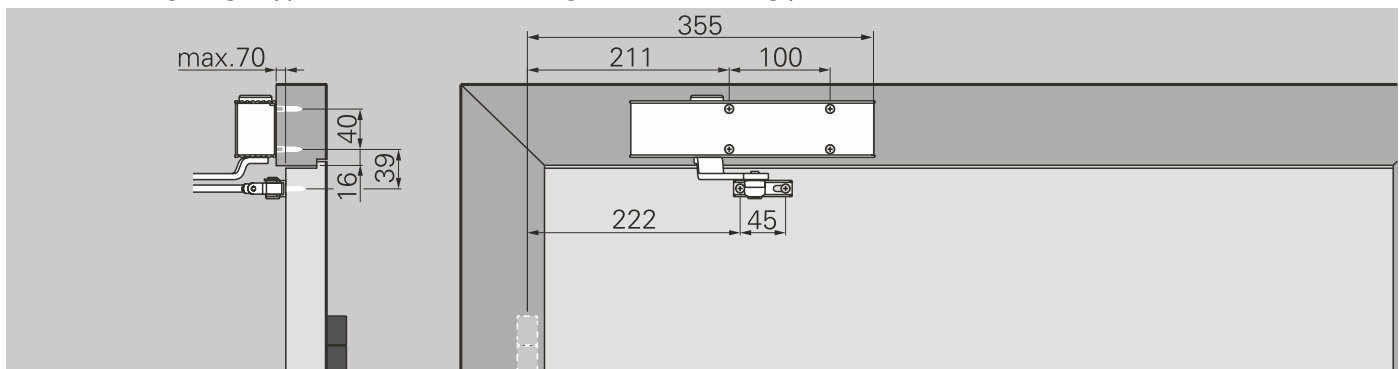


Surface Mounted– HSA 50 (EN 2-6) : Installation Details hinge-opposite side

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



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



Back- check out of order for head mounting

Door Closer

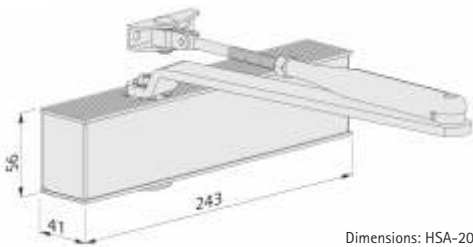
► Surface mounted with standard arm



Surface Mounted – HSA 20 (EN 2/3/5)

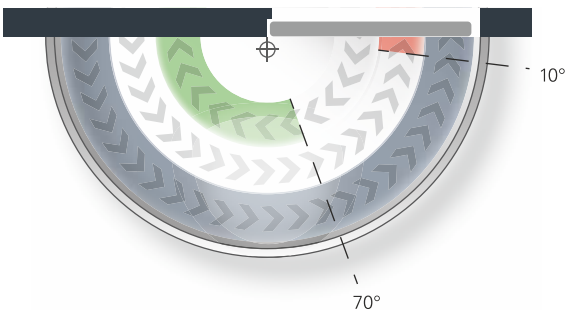


- Rack And Pinion (Symmetric) Mechanism Door Closer
- Weight of door: 20–150 Kg
- Width of door: 850–1250 mm
- Tested & Certified 500,000 cycles
- Optional Hold Open (with Hold Open Arm)
- Door Material: Steel, Wooden, Profile Framed
- Door closer power adjustment by change of position from hinge line
- Finish : Silver
- Set includes Closer body, standard arm & cover



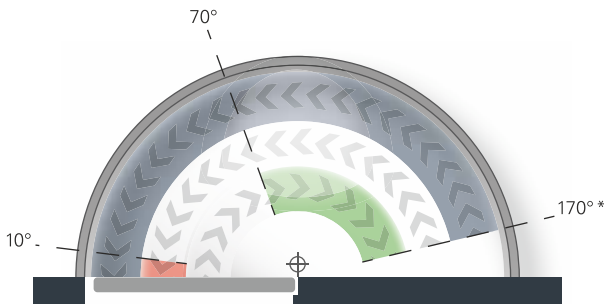
Dimensions: HSA-20

► 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

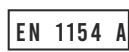
► For Hinge opposite side mounting



- 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:



S.no.	Description	Unit	Article No.	PU
1	HSA 20 with standard arm EN2/3/5, adjustable closing/latching speed, Fixed Back-check, EN1154	Set	9 227 814	01
2	HSA 20 EN2/3/5 Body, adjustable closing/latching speed, Fixed Back-check, EN1154	Set	9 228 427	01
3	HSA 20 with Hold Open arm EN2/3/5, adjustable closing/latching speed, Fixed Back-check, EN1154	Set	9 250 302	01

Article codes written in black are available on request.

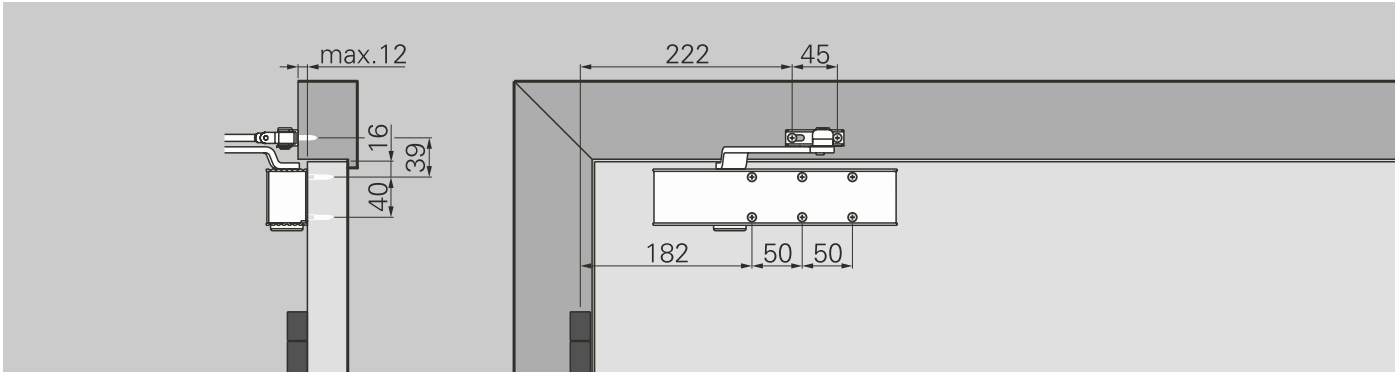
Door Closer

► Surface mounted with standard arm

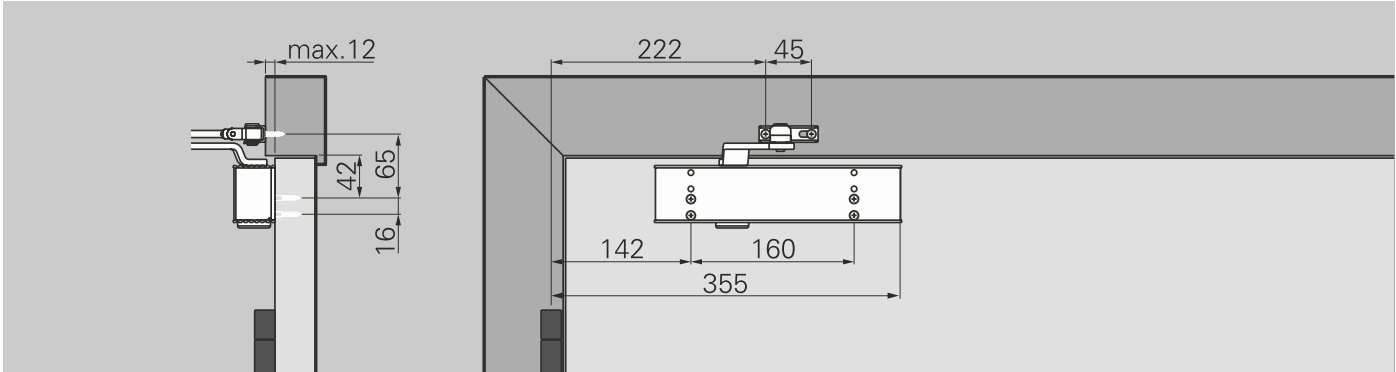


Surface Mounted – HSA 20 (EN 2/3/5): Installation Details hinge-side

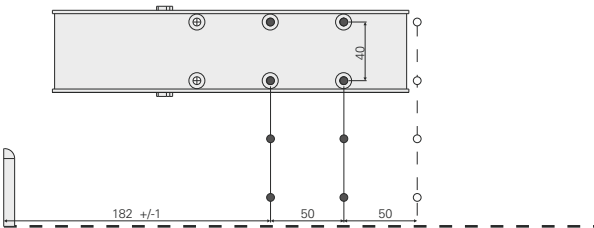
Standard mounting, hinge side (direct mounting, without mounting plate)



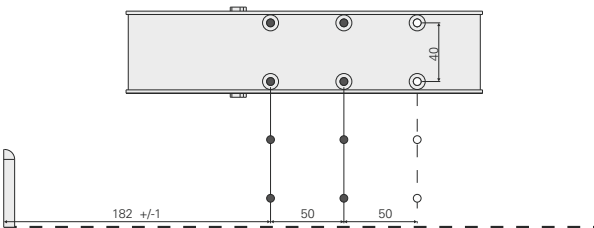
Standard mounting, hinge side (with optional mounting plate, with DIN holes)



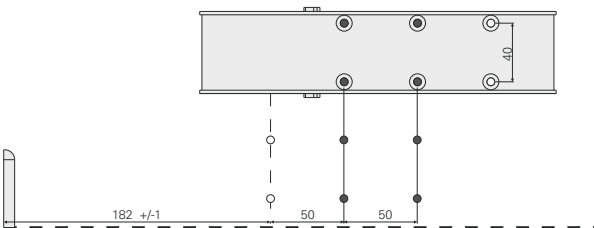
Direct mounting, without mounting plate



Closing force EN 2



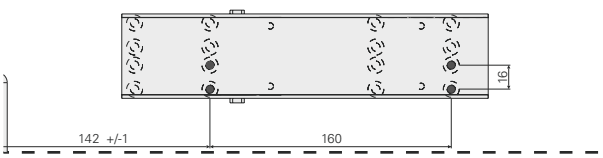
Closing force EN 3



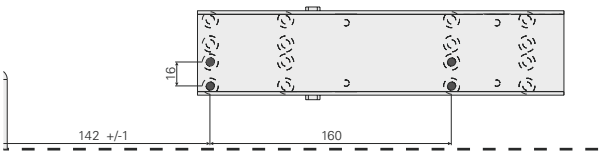
Closing force EN 5

Back- check out of order for head mounting

With optional mounting plate, with DIN holes



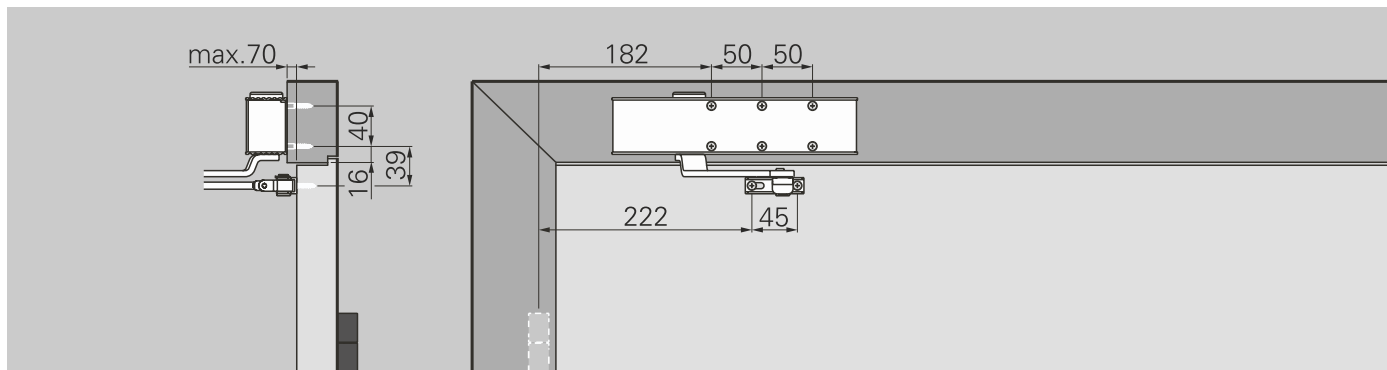
Closing force EN 3



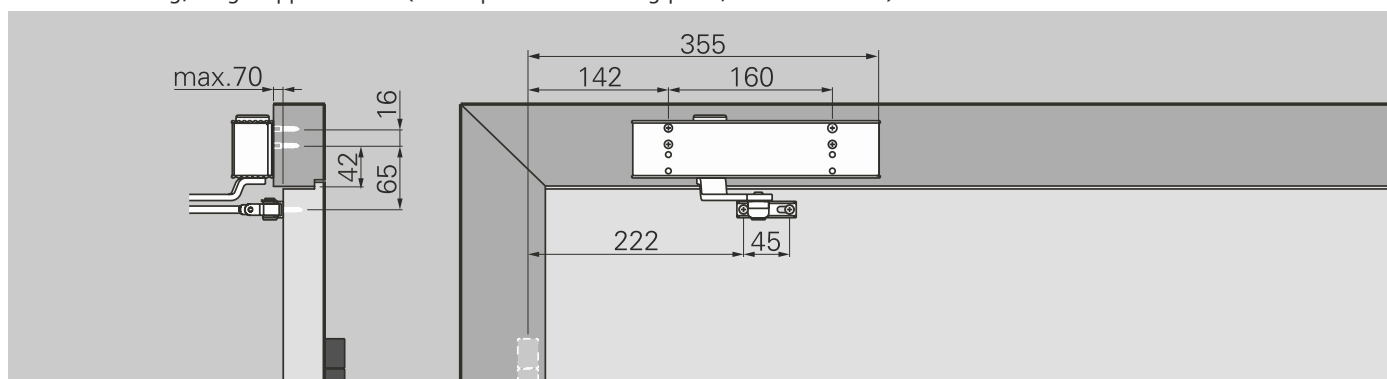
Closing force EN 5

Surface Mounted– HSA 20 (EN 2/3/5) : Installation Details hinge-opposite side

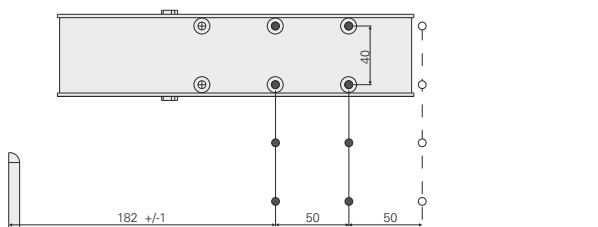
Head mounting, hinge-opposite side (direct mounting, without mounting plate)



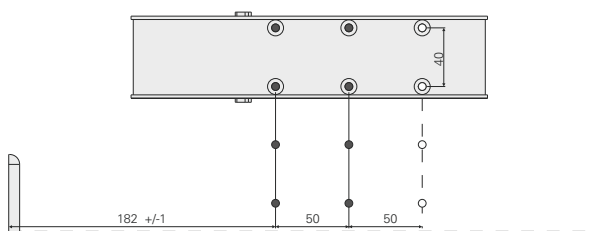
Head mounting, hinge-opposite side (with optional mounting plate, with DIN holes)



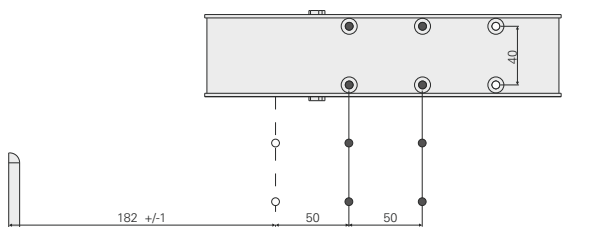
Direct mounting, without mounting plate



Closing force EN 2



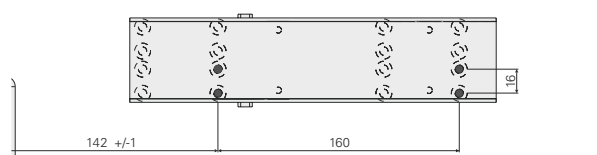
Closing force EN 3



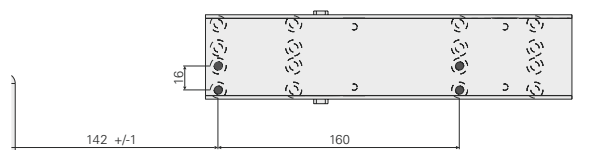
Closing force EN 5

Back- check out of order for head mounting

With optional mounting plate, with DIN holes



Closing force EN 3



Closing force EN 5

Door Closer

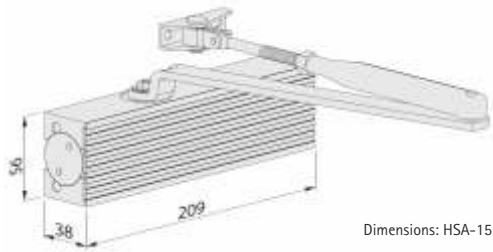
► Surface mounted with standard arm



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
- Optional Hold Open (with Hold Open Arm)
- Door Material: Steel, Wooden, Profile Framed
- Door closer power adjustment by change of position from hinge line
- 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

S.no.	Description	Unit	Article No.	PU
1	HSA 15 with standard arm EN2/3/4/5, adjustable closing/latching speed	Set	9 227 815	01
2	HSA 15 EN2/3/4/5 Body, adjustable closing/latching speed	Set	9 228 428	01
3	HSA 15 with Hold open arm EN2/3/4/5, adjustable closing/latching speed	Set	9 250 303	01
4	HSA 15: EN 2/3/4/5, For door width 850–1250 mm and door weight 40–100 kg, Black	Set	9 359 895	01

Article codes written in black are available on request.

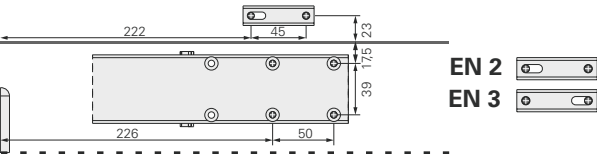
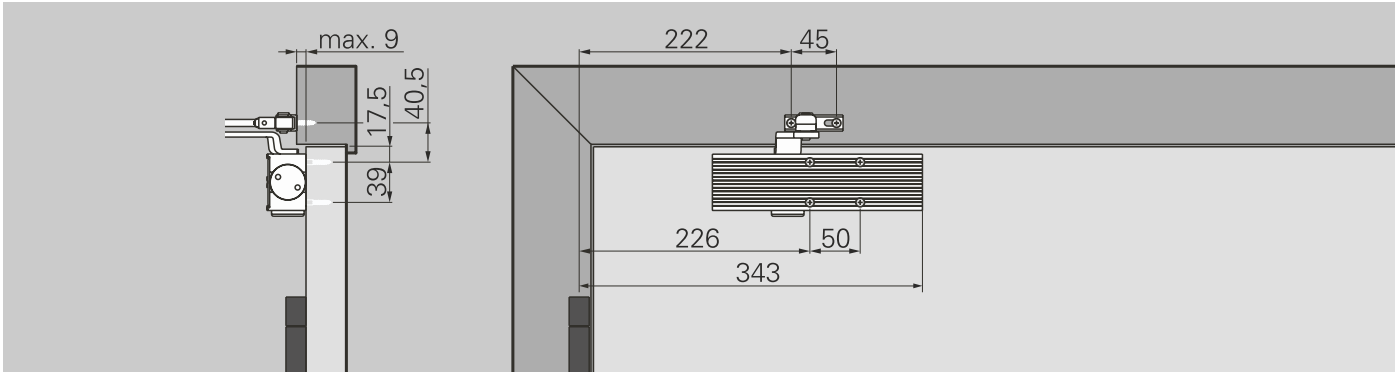
Door Closer

► Surface mounted with standard arm

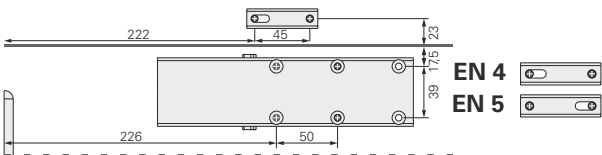


Surface Mounted – HSA 15 (EN 2/3/4/5): Installation Details hinge-side

Standard mounting, hinge side (EN 5)



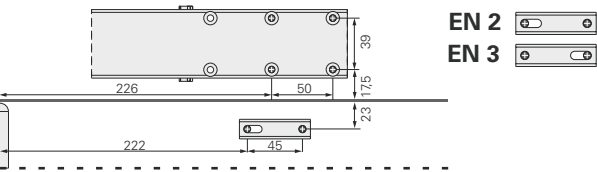
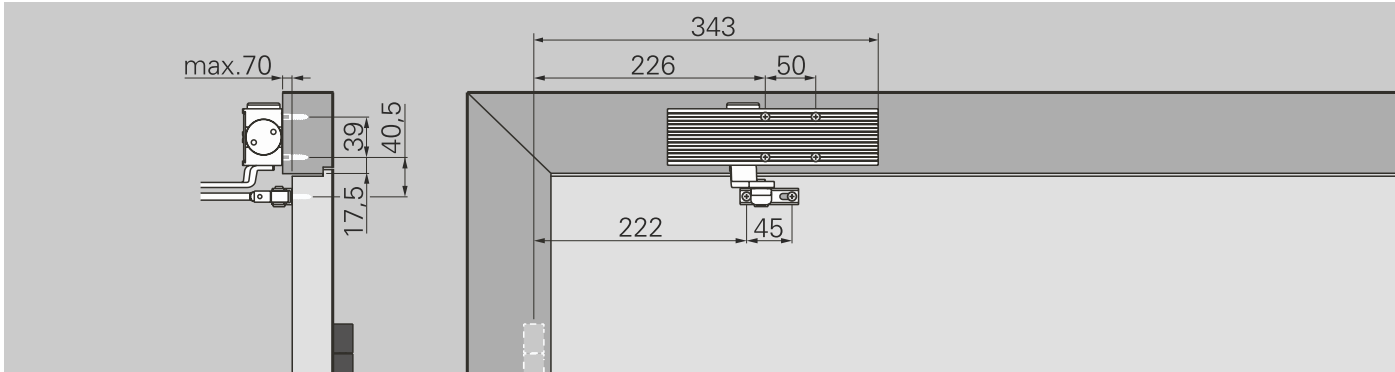
Closing force EN 2/3



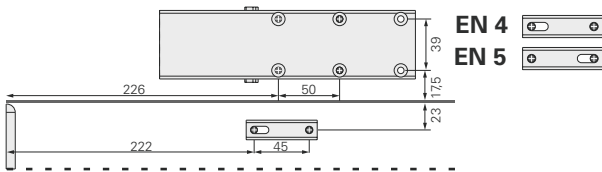
Closing force EN 4/5

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

Head mounting, hinge-opposite side (EN 5)



Closing force EN 2/3



Closing force EN 4/5

Door Closer

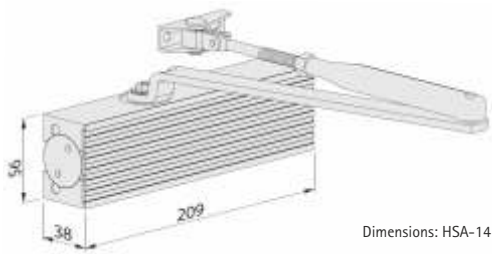
► Surface mounted with standard arm



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
- Optional Hold Open (with Hold Open Arm)
- Door Material: Steel, Wooden, Profile Framed
- Door closer power adjustment by change of position from hinge line
- Finish : Silver
- Set includes Closer body & standard arm



Dimensions: HSA-14

► 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

S.no.	Description	Unit	Article No.	PU
1	HSA 14 with standard arm EN1/2/3/4, adjustable closing/latching speed	Set	9 228 418	01
2	HSA 14 EN1/2/3/4 Body, adjustable closing/latching speed	Set	9 228 429	01
3	HSA 14 with hold open arm EN1/2/3/4, adjustable closing/latching speed	Set	9 250 304	01

Article codes written in black are available on request.

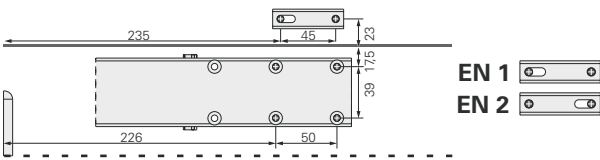
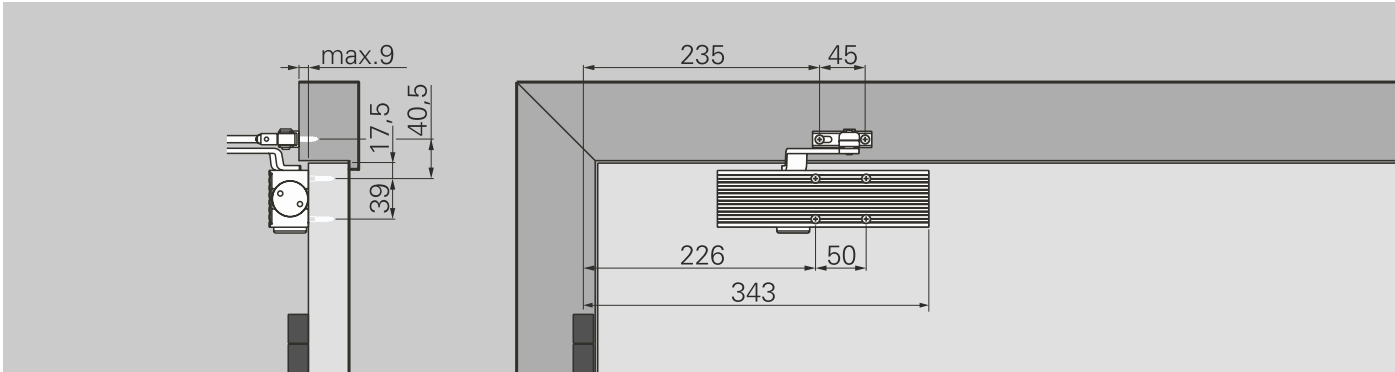
Door Closer

► Surface mounted with standard arm

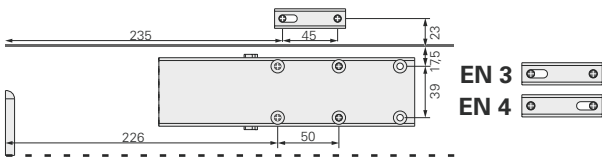


Surface Mounted – HSA 14 (EN 1/2/3/4): Installation Details hinge-side

Standard mounting, hinge side (EN 3)



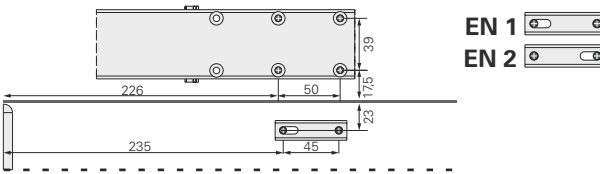
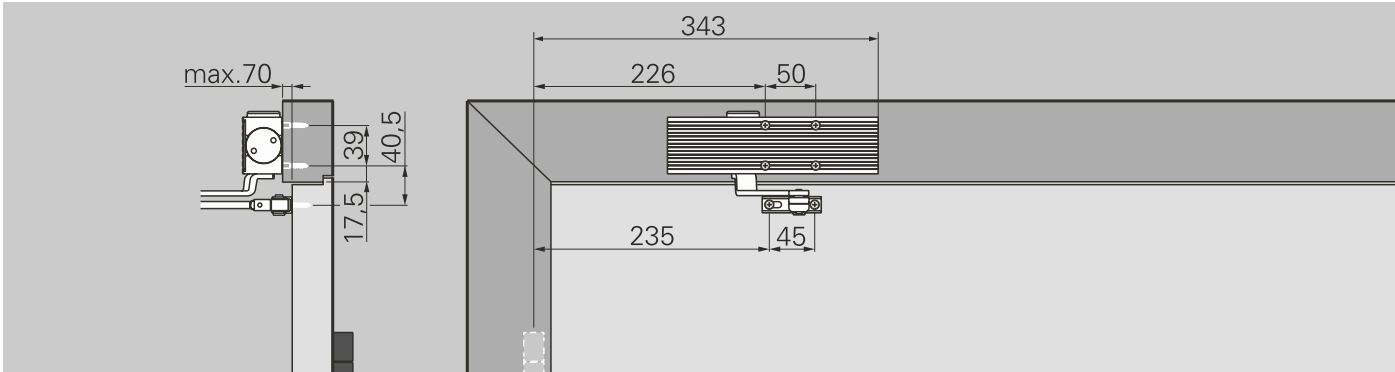
Closing force EN 1/2



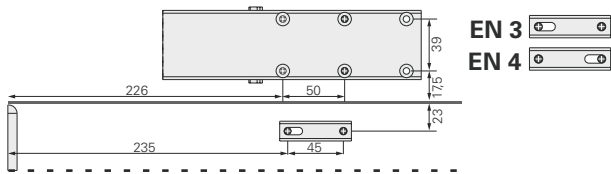
Closing force EN 3/4

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

Head mounting, hinge-opposite side (EN 5)



Closing force EN 1/2



Closing force EN 3/4

Door Closer

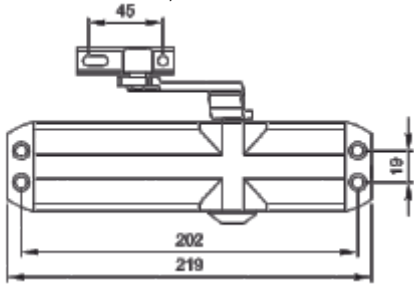
► Surface mounted with standard arm



Surface Mounted – HSA 10 D EN (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
- Optional Hold Open (with Hold Open Arm)
- Door Material: Steel, Wooden, Profile Framed
- Door closer power adjustment by change of position from hinge line
- Finish : Silver
- Set includes Closer body & standard arm



Dimensions: HSA-10 D EN

► 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:



EN 1154 A



S.no.	Description	Unit	Article No.	PU
1	HSA 10 D EN with standard arm EN2/3/4, adjustable closing/latching speed, EN1154	Set	9 227 817	01
2	HSA 10 D EN with hold open arm EN2/3/4, adjustable closing/latching speed, EN1154	Set	9 228 767	01

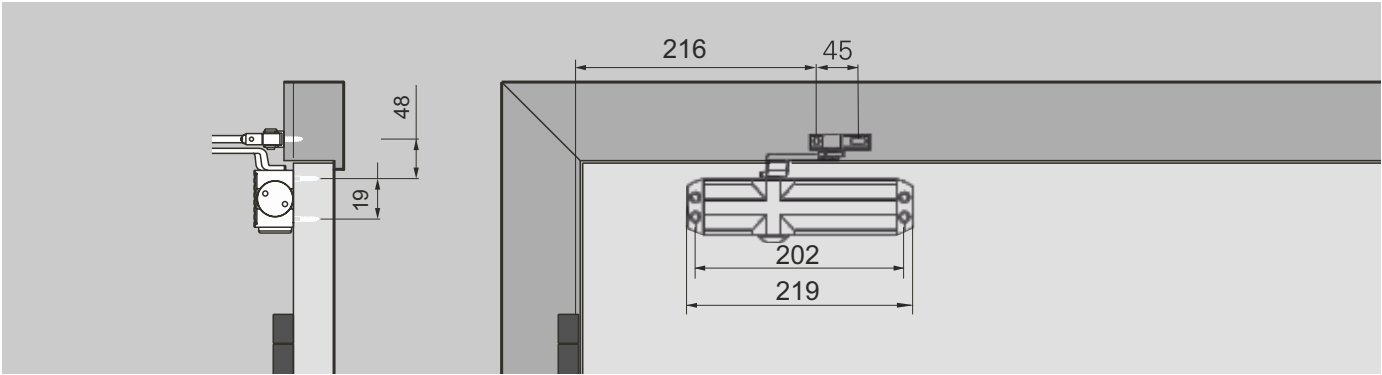
Door Closer

► Surface mounted with standard arm



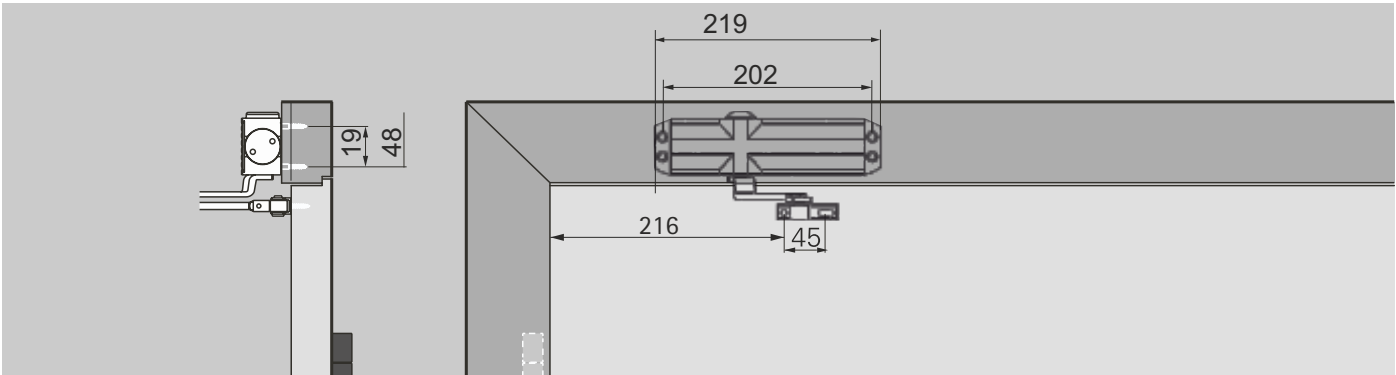
Surface Mounted – HSA 10 D EN (EN 2/3/4): Installation Details hinge-side

Standard mounting, hinge side

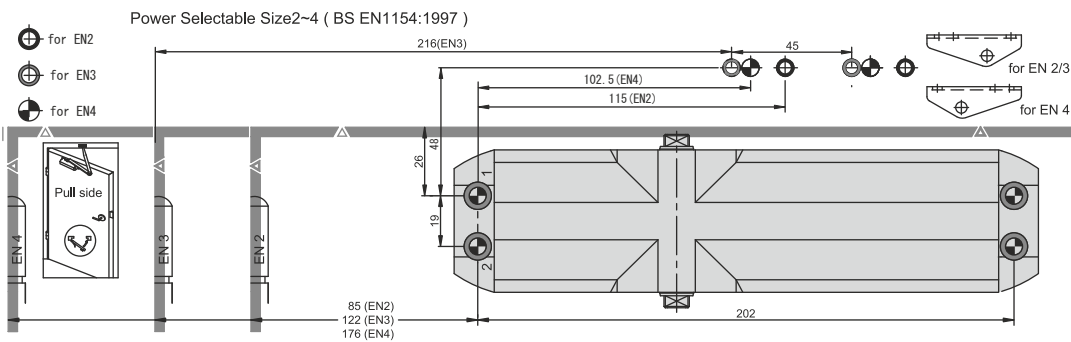


Surface Mounted– HSA 10 D (EN 2/3/4) : Installation Details hinge-opposite side

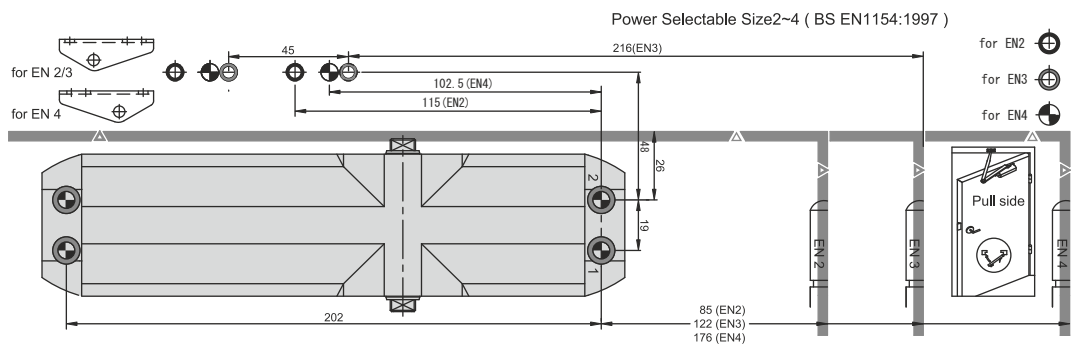
Head mounting, hinge-opposite side



For DIN Left



For DIN Right



Door Closer

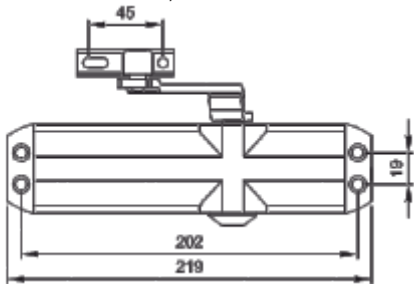
► Surface mounted with standard arm



Surface Mounted – HSA 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 200,000 cycles
- Optional Hold Open (with Hold Open Arm)
- Door Material: Steel, Wooden, Profile Framed
- Door closer power adjustment by change of position from hinge line
- Finish : Silver
- Set includes Closer body & standard arm



Dimensions: HSA-10 F

► 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:



S.no.	Description	Unit	Article No.	PU
1	HSA 10 F with standard arm EN2/3/4, adjustable closing/latching speed	Set	9 227 816	01
2	HSA 10 F with hold open arm EN2/3/4, adjustable closing/latching speed	Set	9 228 766	01
3	HSA 10 F HO: EN 2/3/4, for door width 850–1100 mm & door weight 40–80 kg, with hold pen arm, fire rated, BL	Set	9 250 956	01

Article codes written in black are available on request.

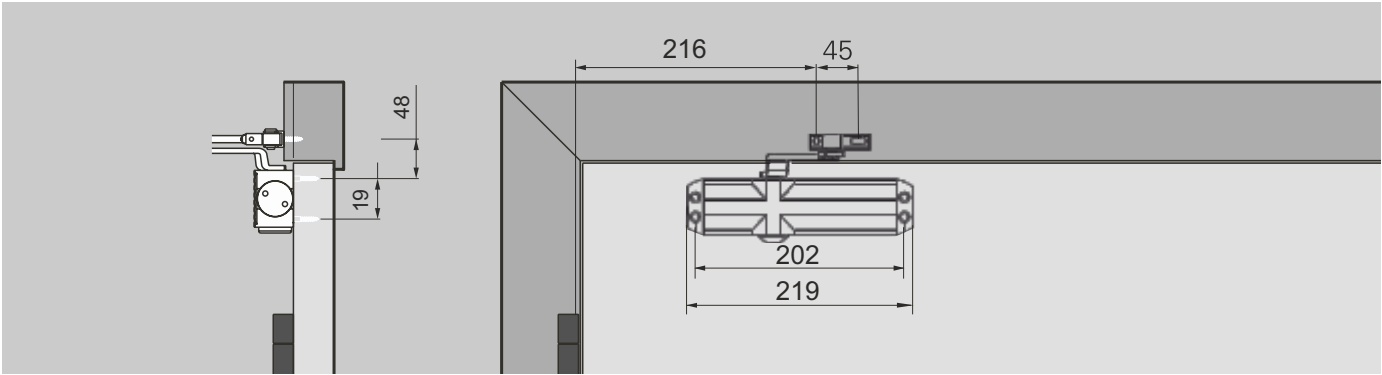
Door Closer

► Surface mounted with standard arm



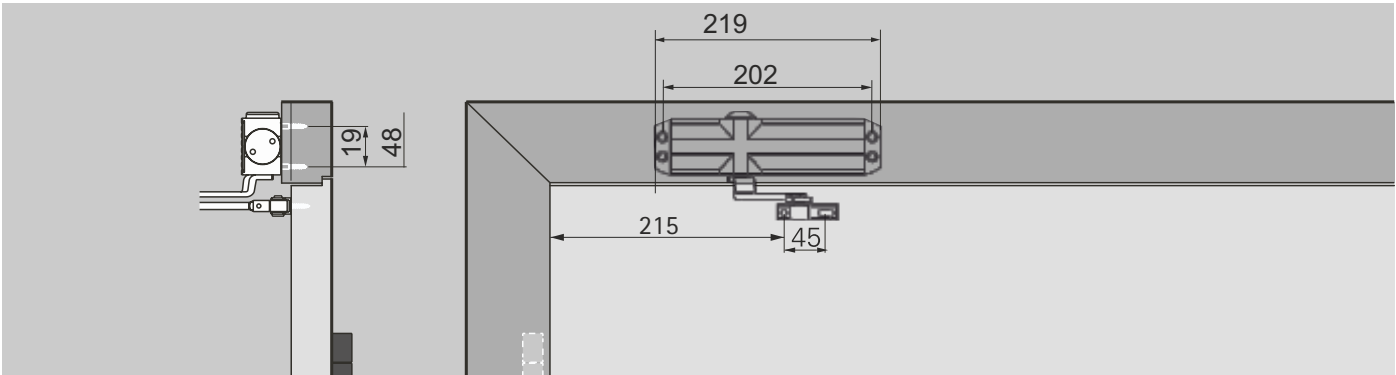
Surface Mounted – HSA 10 F (EN 2/3/4): Installation Details hinge-side

Standard mounting, hinge side

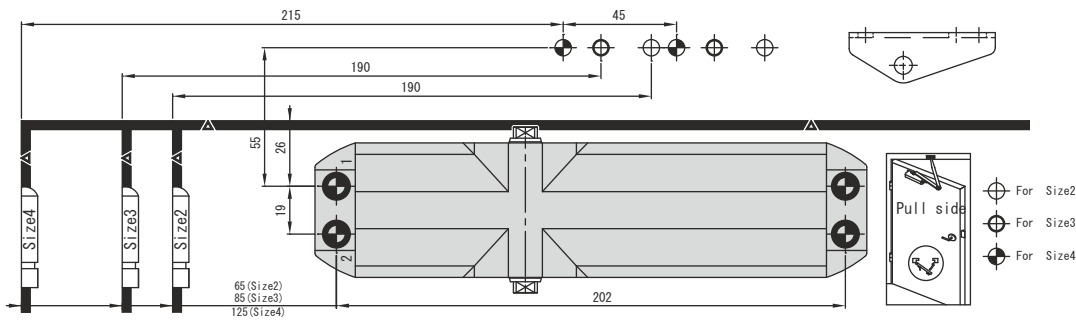


Surface Mounted– HSA 10 F : Installation Details hinge-opposite side

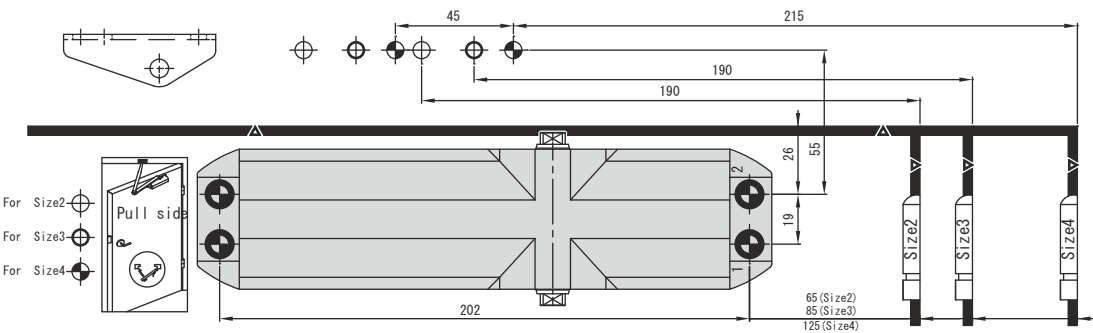
Head mounting, hinge-opposite side



For DIN Left



For DIN Right



Door Closer

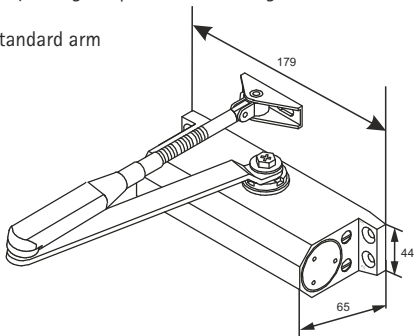
► Surface mounted with standard arm



Surface Mounted – HSA 10 (EN 2/3/4)



- Standard Rack And Pinion Mechanism Door Closer
- Weight of door: 40–80 Kg
- Width of door: 850–1100 mm
- Tested for 200,000 cycles
- Options: With Hold Open Arm
- Suitable for: Steel, Wooden, Profile Framed Doors
- Door closer Size adjustment by change of position from Hinge line
- Finish: Silver
- Set includes Closer body & standard arm



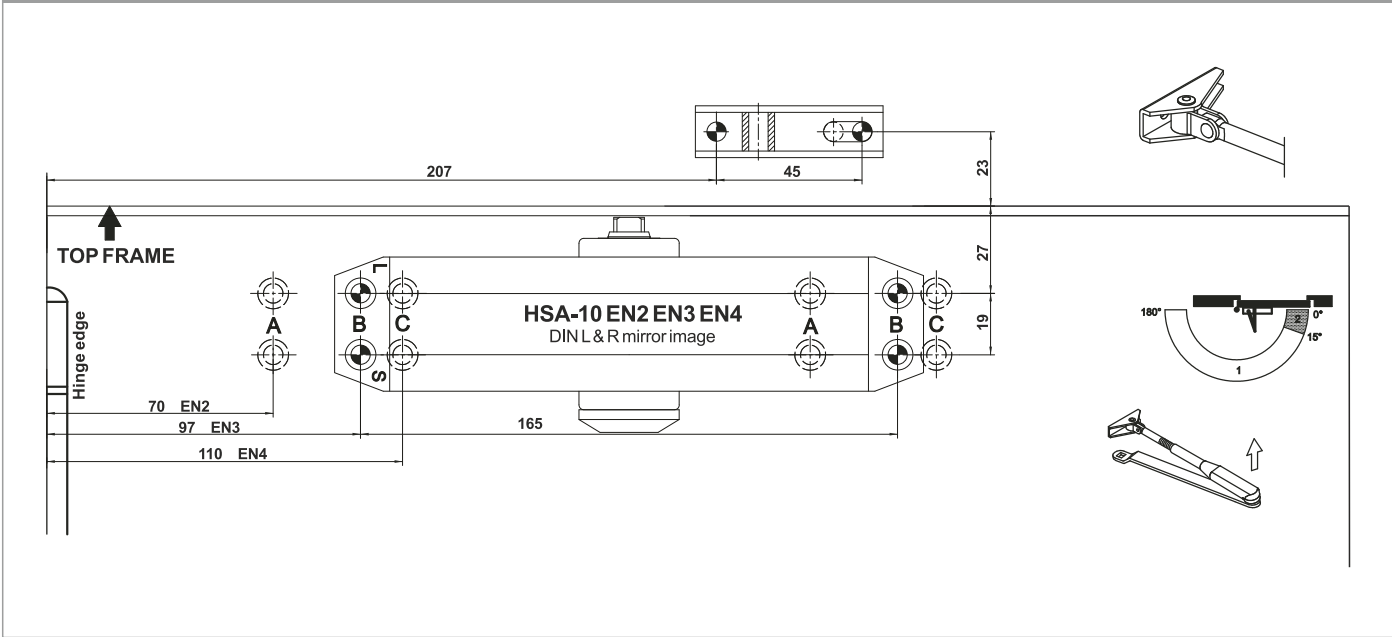
Dimensions: HSA-10 EN

► For Hinge side mounting



- Closing speed: Continuously adjustable closing speed from approx. 180° to 15°
- Latching speed: Continuously adjustable, works between 15° to 0°

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



S.no.	Description	Unit	Article No.	PU
1	HSA 10 : EN 2/3/4, for door width 850 – 1100 mm & door weight 40 –80 kg, with standard arm	Set	9 250 948	01
2	HSA 10 : EN 2/3/4, for door width 850 – 1100 mm & door weight 40-80 Kg, with hold open arm	Set	9 250 949	01

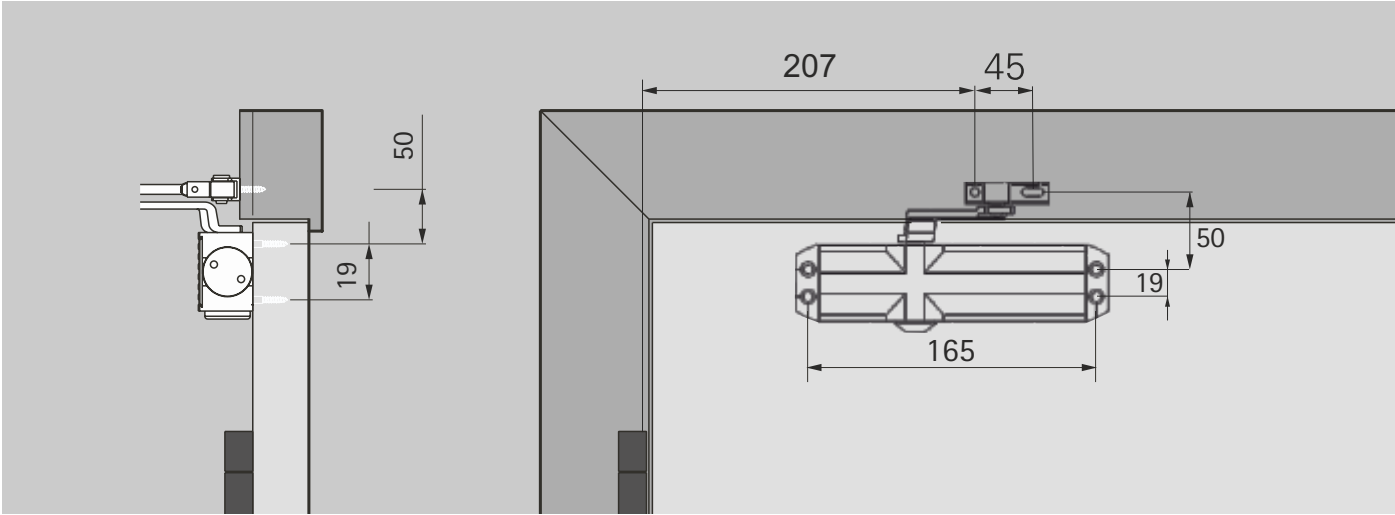
Door Closer

► Surface mounted with standard arm



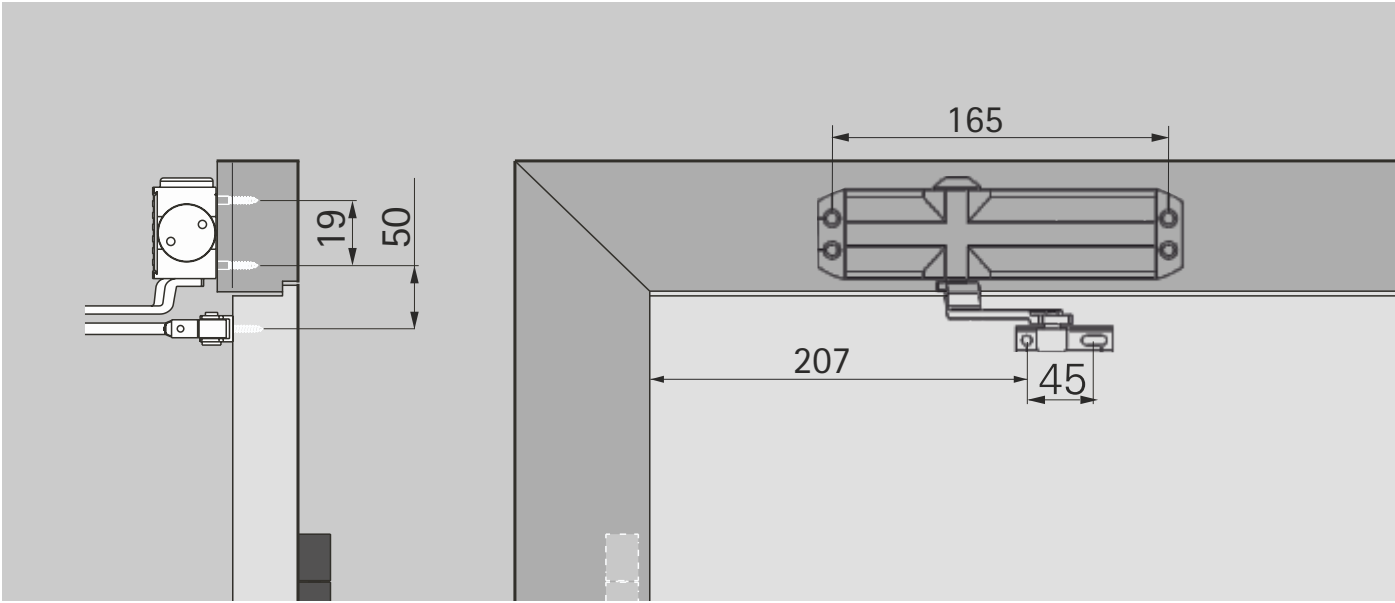
Surface Mounted – HSA 10 (EN 2/3/4): Installation Details hinge-side

Standard mounting, hinge side

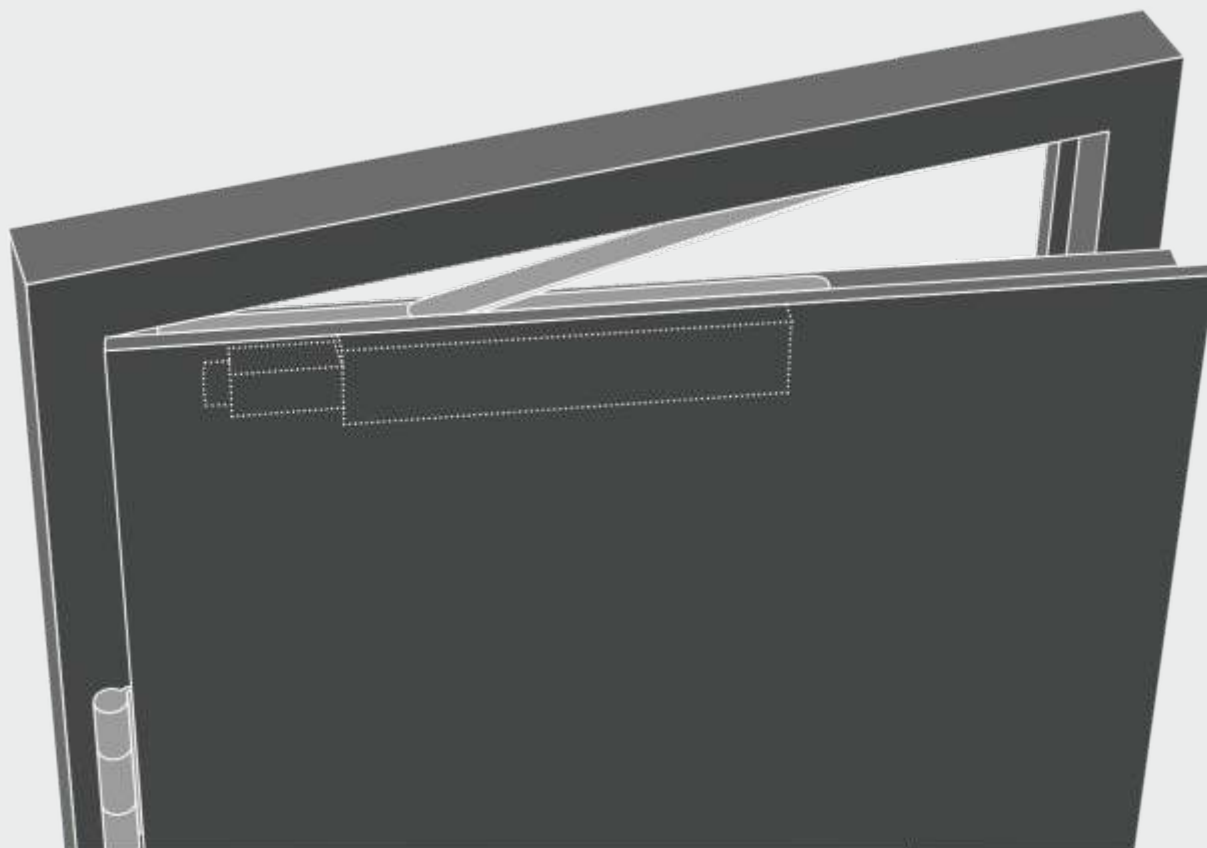


Surface Mounted– HSA 10 (EN 2/3/4) : Installation Details hinge-opposite side

Head mounting, hinge-opposite side



Note: Check mounting instruction for dimension



Door closer technology The Integration Specialist



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.



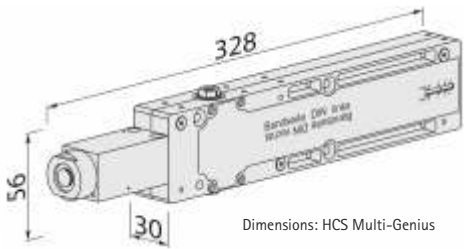
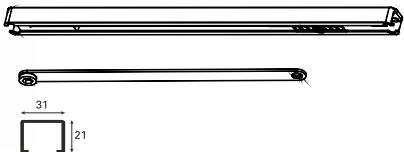
This door closer makes itself invisible. The Multi-Genius is extremely compact, and this makes it suitable for installation in doors with a leaf thickness of only 40 mm. This in turn means that the closer can be integrated virtually invisibly before the door even leaves the factory.

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



- Special Gear Door Closer
- Weight of door: 20-120 Kg/40-130 kg
- Width of door: 750-1100 mm/ 850-1250 mm
- Min. Door Thickness: 40 mm
- Tested & Certified 500,000 cycles
- Closing speed: Continuously adjustable closing speed from approx. 165° to 0°
- Latching speed: Continuously adjustable, works between 10 to 0°
- Door closer power continuous adjustment with an allen key from side
- Visible Force Adjustment Display
- Strongly Decreasing Opening Moment for effortless opening
- Door Opening Angle 140°-165°
- Oil free Door Closer (Only 8ml for lubrication)
- With mechanical hold open slide rail (strong hold open force)
- Door Material: Steel, Wooden, Profile Framed
- Finish : Silver

Approved & Certified Product:

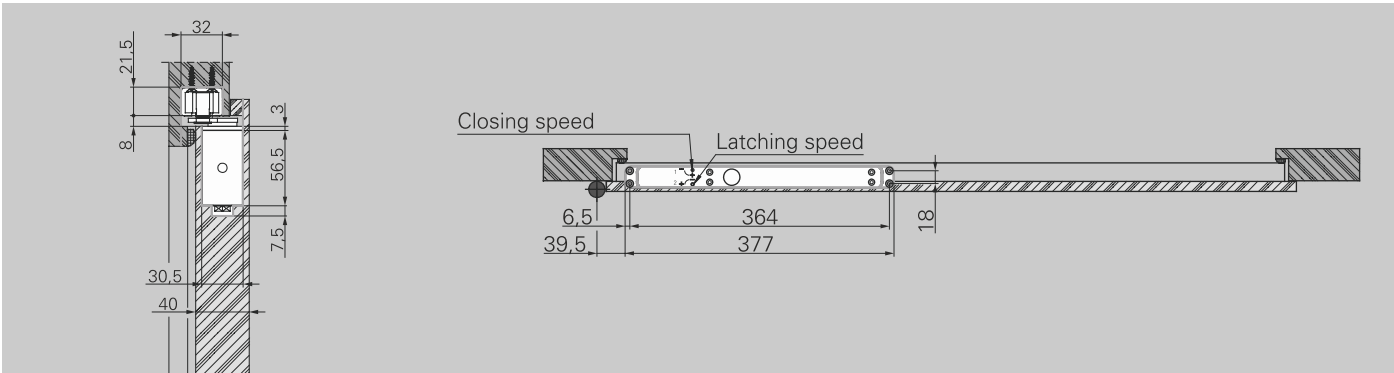
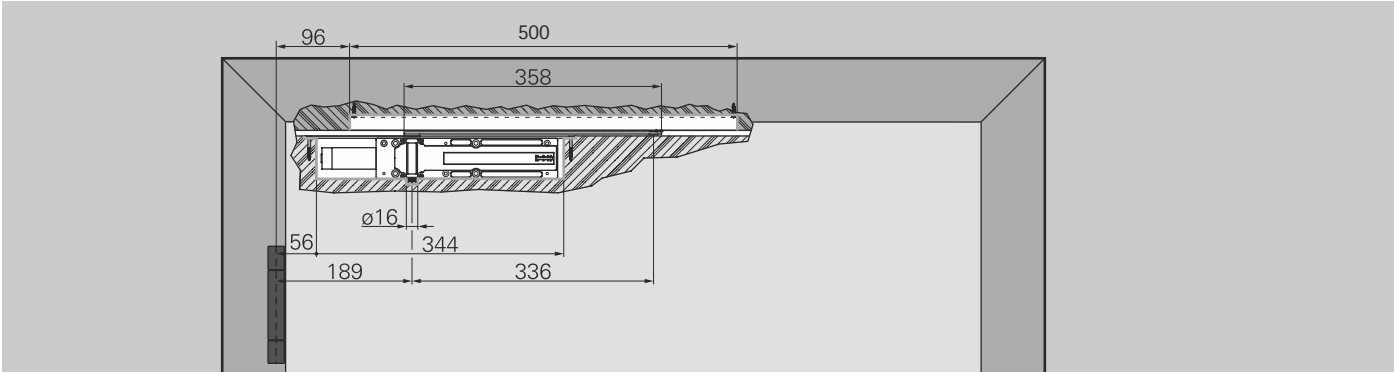


Dimensions: HCS Multi-Genius

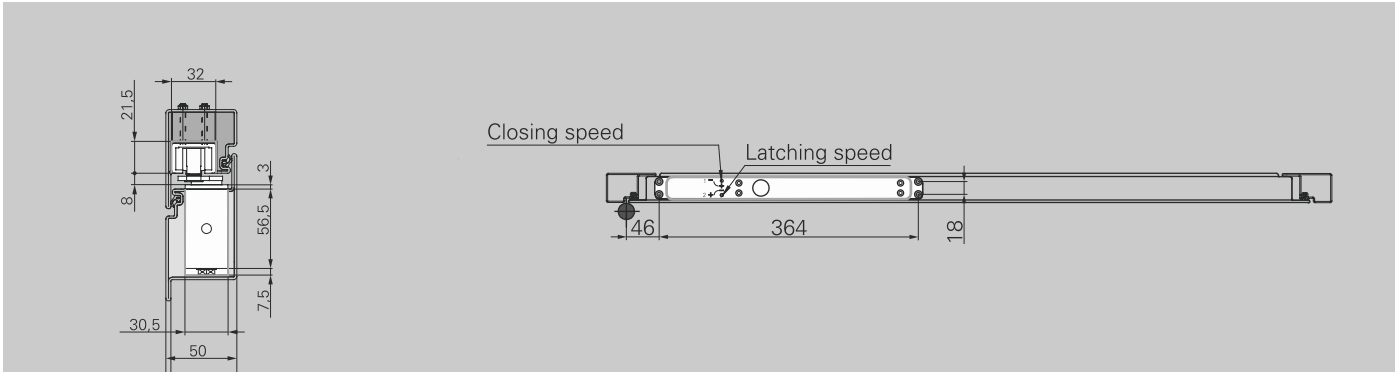
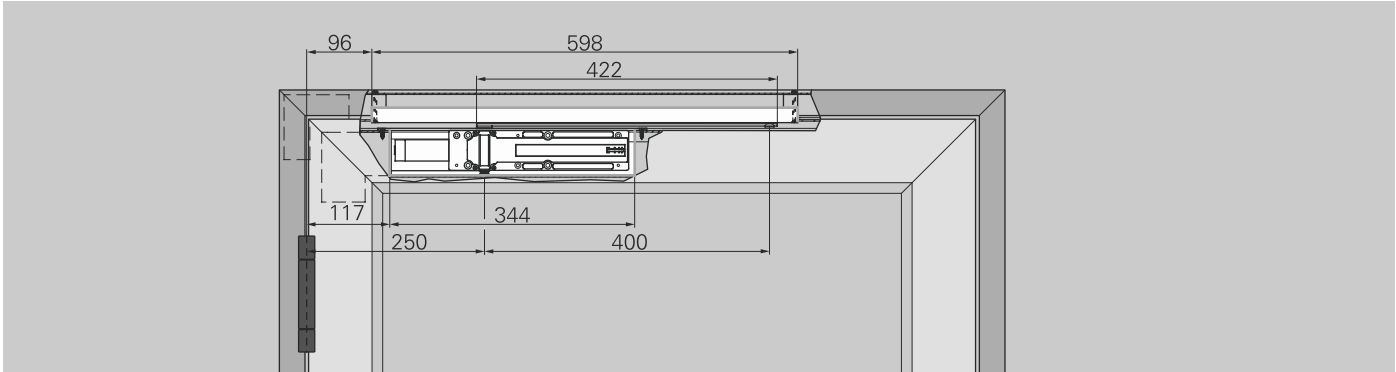
S.no.	Description	Unit	Article No.	PU
1	HCS Multi G body EN1-4, adjustable closing/latching speed, EN1154 DIN Left/Right	Set	9 227 819	01
2	HCS Multi G body EN2-5, adjustable closing/latching speed, EN1154 DIN Left/Right	Set	9 227 820	01
3	Slide rail for HCS Multi G 21x31, w/ hold open	Set	9 227 825	01

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

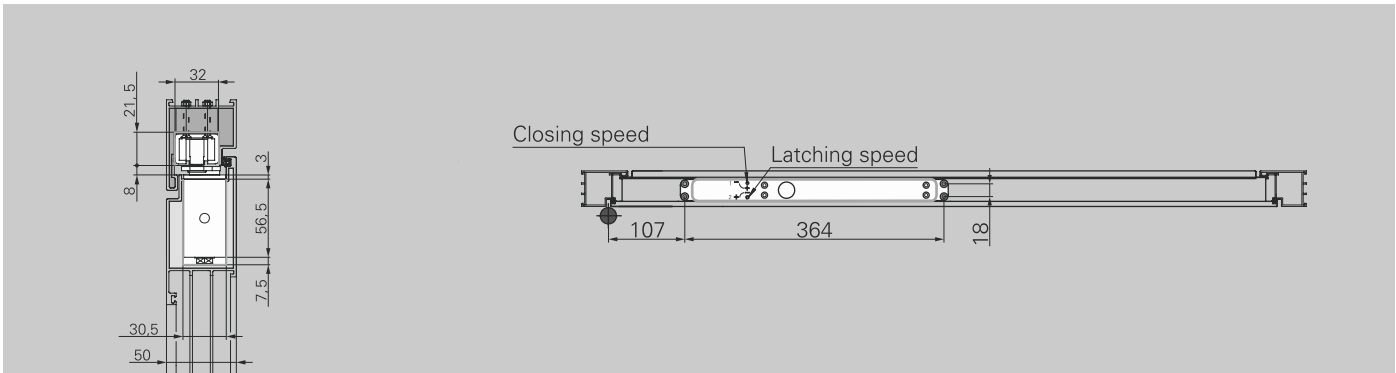
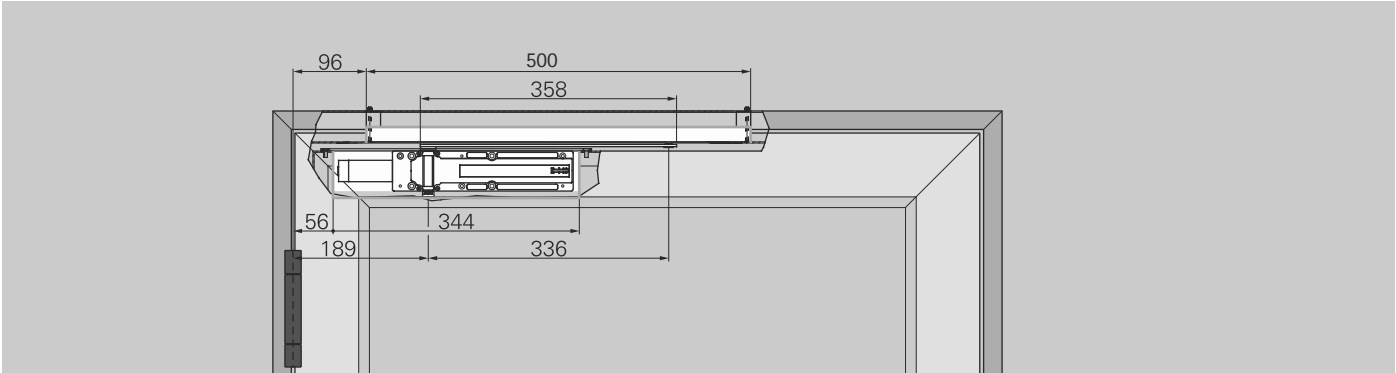
Installation Multi-Genius with slide rail 31 x 21 with MFA in a wooden door



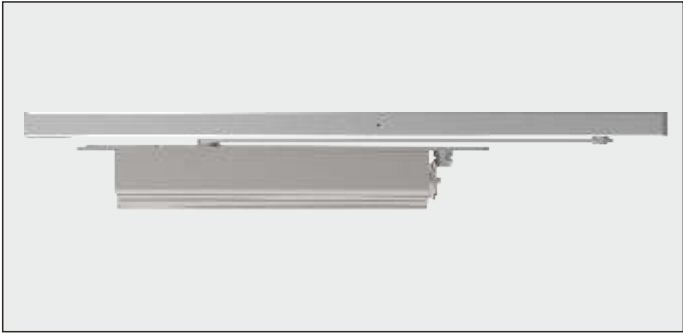
Installation Multi-Genius with slide rail 31 x 21 with MFA in a profile frame door with angle brackets



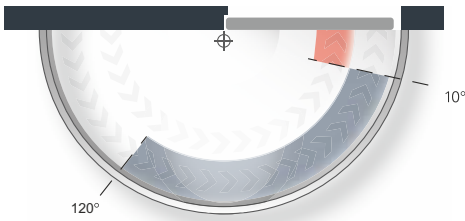
Installation Multi-Genius with slide rail 31 x 21 with MFA in a profile frame door



Concealed – HCS 600 with Hold open slide rail (EN 3-6)



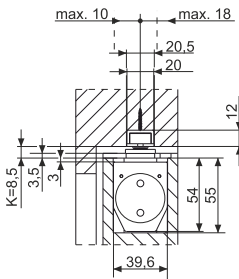
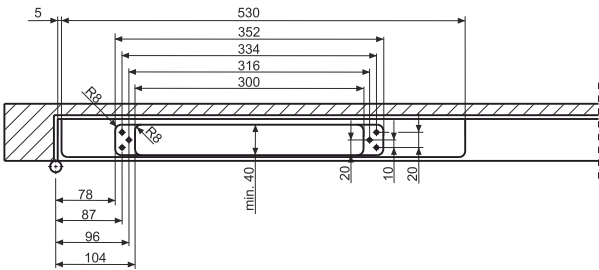
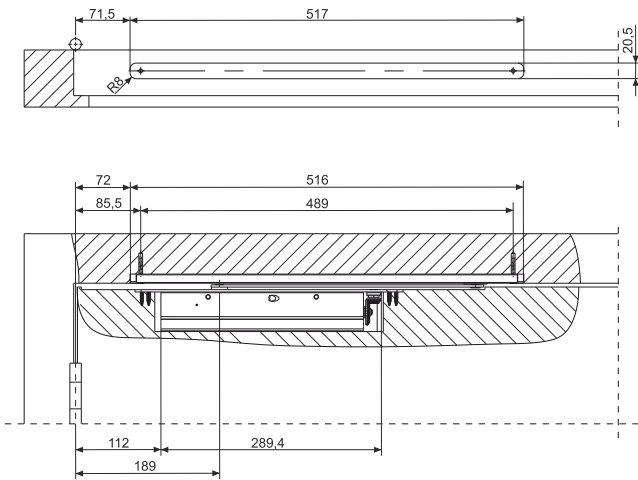
- CAM action concealed heavy duty mechanism door closer
- CE marked fire rated concealed door closer
- Weight of door: 60-200 kg
- Width of door: 950-1400 mm
- Min. Door thickness: 50 mm
- Tested & certified for 500,000 cycles
- Closing speed: Continuously adjustable from approx. 120° to 0°
- Latching speed: Adjustable, works between 10 to 0°
- Adjustable back check action > 70°
- Door opening angle 120°
- Hold open unit optional
- Door material: wooden/steel
- Finish : Silver & Black



Approved & Certified Product:



Mounting Instruction: HCS 600

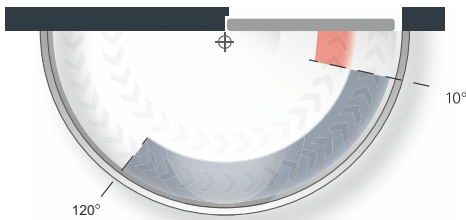


S.no.	Description	Unit	Article No.	PU
1	HCS 600 : EN 3-6, with HO sliderail, for door width 950-1400 mm, load capacity 60-200 kg, finish silver (minimum door thickness : 50 mm)	Set	9 251 382	01
2	HCS 600 : EN 3-6, with HO sliderail, for door width 950-1400 mm, load capacity 60-200 kg, finish black (minimum door thickness : 50 mm)	Set	9 251 400	01
3	HCS 600 : Hold Open Device (Slide Rail S12)	Set	9 251 572	01

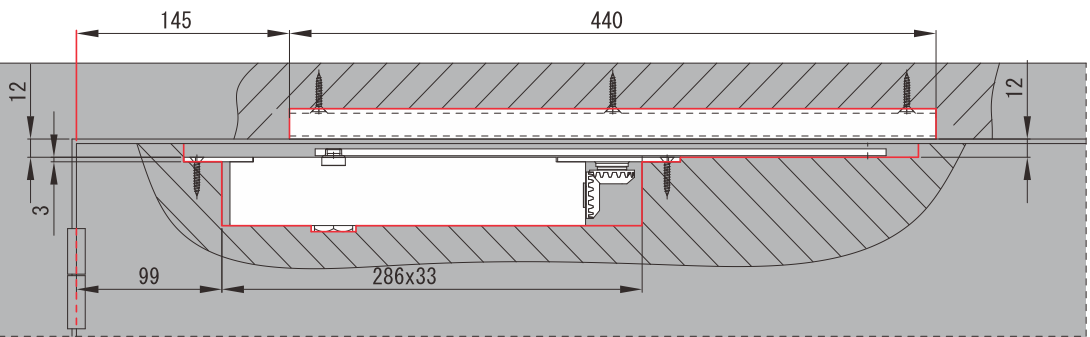
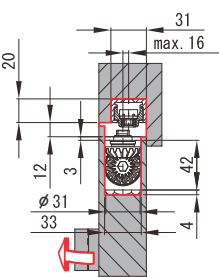
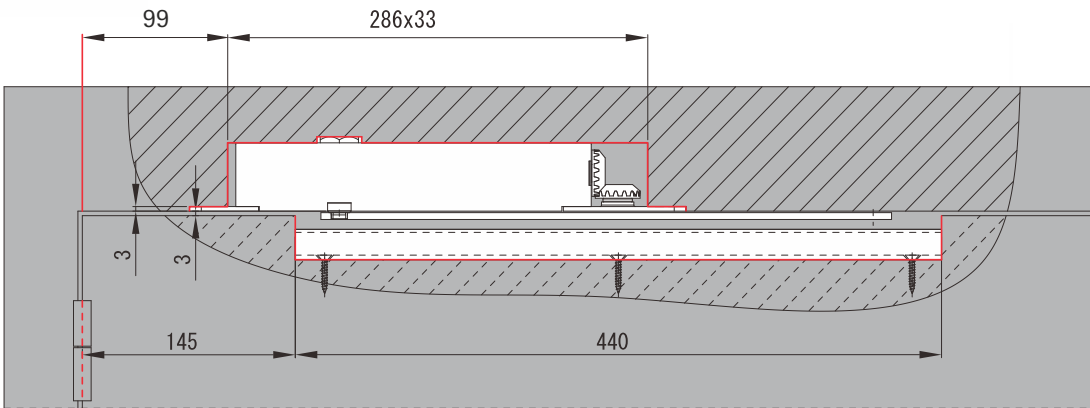
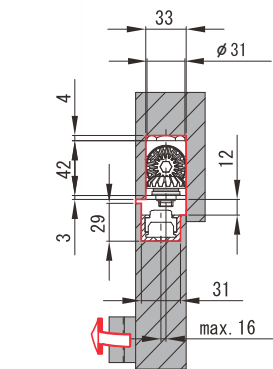
Concealed – HCS 400 with Slide rail (EN 2-4)



- CAM Action mechanism Door Closer
- Weight of door: 80-120 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 closer power continuous adjustment with an allen key from top
- Door Opening Angle 120°
- Different version for hold open function
- Door Material: Steel, Wooden, Profile Framed
- Finish : Silver



Approved & Certified Product:



Dimensions: HCS-400

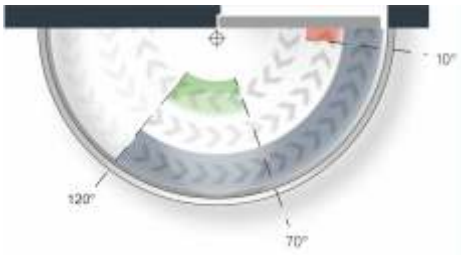
S.no.	Description	Unit	Article No.	PU
1	HCS 400 with slide rail EN2-4, adjustable closing/latching speed, EN 1154	Set	9 227 822	01
2	HCS 400 with hold open slide rail EN2-4, adjustable closing/latching speed, EN 1154	Set	9 250 843	01
3	Slide rail for HCS 400 with new hold open device	Set	9 250 751	01
4	New Hold open device of HCS 400	Set	9 250 938	01
5	HCS 400 with hold open Slide rail: EN 2-4, For Door Width 850-1100 mm & Door Weight 80-120 kg; Finish Black, (Min. Door Thickness – 40 mm)	Set	9 251 399	01
6	HCS 400 with hold open Slide rail: EN 2-4, For Door Width 850-1100 mm and Door Weight 80-120 kg; Finish AB (Min. Door Thickness – 40 mm) (Note: Only sliderail & arm in AB Finish)	Set	9 250 959	01

Door Closer

► Concealed with slide rail



Concealed – HCS 385 with Hold open slide rail (EN 2-4)



- Rack And Pinion (Symmetric) Mechanism Door Closer
- Weight of door: 80-100 Kg
- Width of door: 850-1100 mm
- Min. Door Thickness: 47 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°
- Back Check: Adjustable, works between 70° to 120°
- Door closer power continuous adjustment with an allen key from top
- Hold Open power can be adjusted according to door size and weight
- Door Opening Angle 120°
- Inbuilt Hold Open function in slide rail
- Door Material: Steel, Wooden, Profile Framed
- Finish : Silver

S.no.	Description	Unit	Article No.	PU
1	HCS 385 with hold open slide rail EN2-4, adjustable back check/ closing/ latching speed	Set	9 227 823	01
2	HCS 385 sliderail with HO (Without Body)	Set	9 250 237	01
3	Hold open component (Only) for HCS 385	Set	9 228 416	01
4	HO device for HCS 385 (New)	Set	9 250 997	01
5	HCS 385: EN 2-4, with hold open slide rail; For door width 850-1100 mm & door weight 80-100 kg (Min. Door Thickness - 47 mm) (Without Back check action)	Set	9 250 955	01
6	HCS 385: EN 2-4, With Hold Open Slide rail; for Door Width 850-1100 mm & Door Weight 80-100 kg, Finish SA (With Back Check Action) (Min. Wooden Door Thickness - 47 mm)	Set	9 251 421	01
7	HCS 385: EN 2-4, With Hold Open Slide rail; for Door Width 850-1100 mm & Door Weight 80-100 kg, Finish Black (With Back Check Action) (Min. Wooden Door Thickness - 47 mm)	Set	9 251 398	01

Concealed – HCS 380 with Hold open slide rail (EN 3)

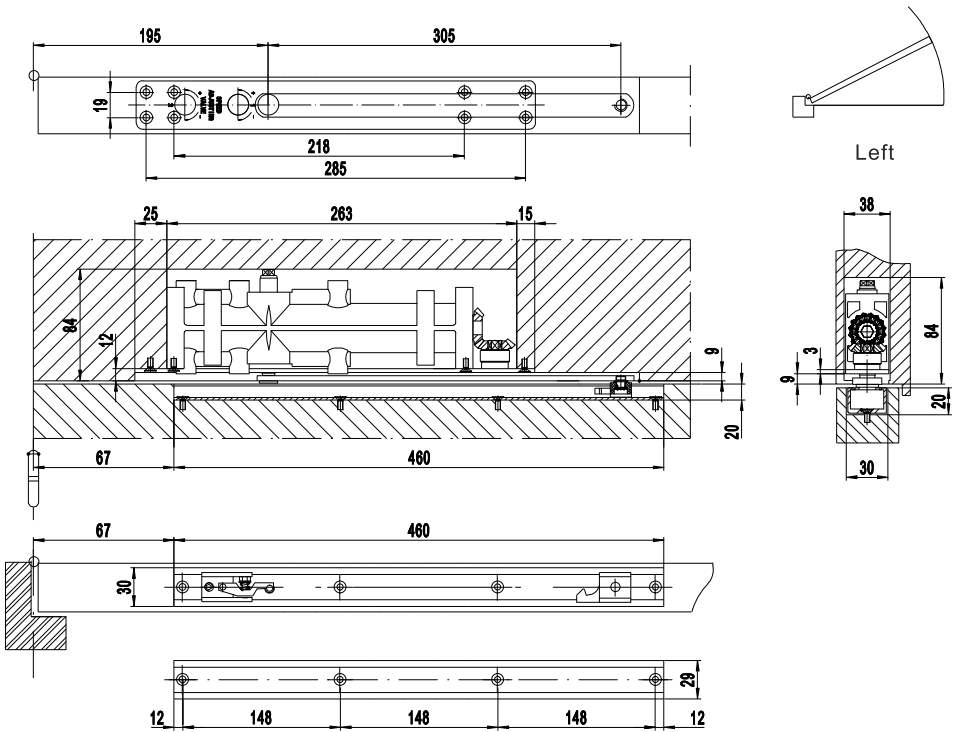
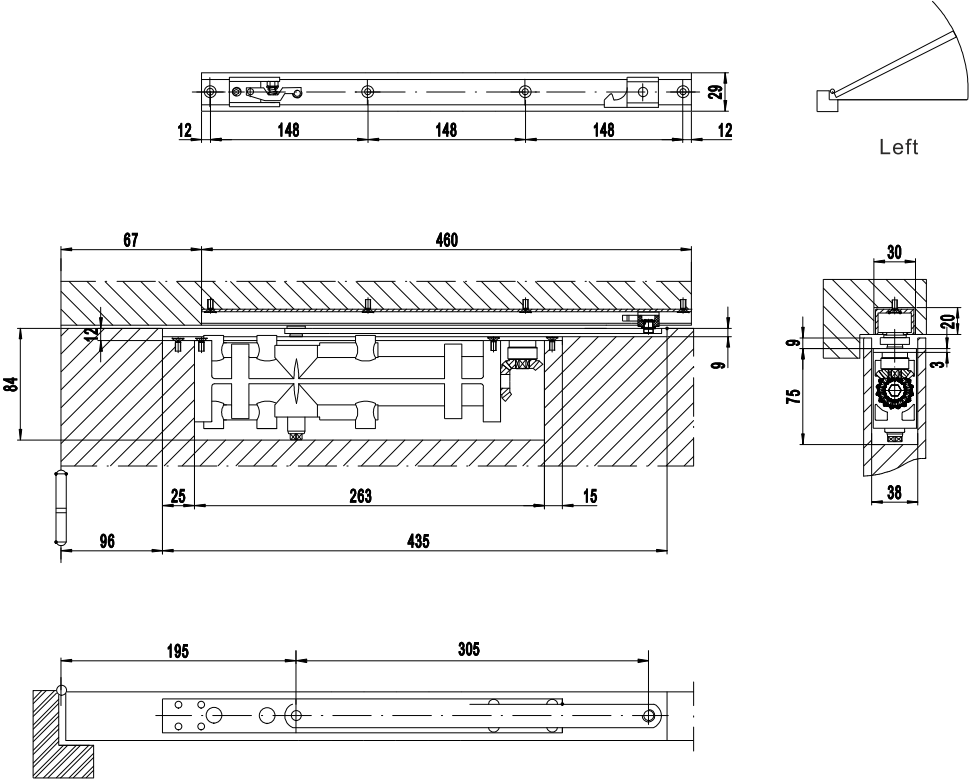


- Rack And Pinion (Symmetric) Mechanism Door Closer
- Weight of door: Max. 60 Kg
- Width of door: 750 mm - 950 mm
- Min. Door Thickness: 40 mm
- Tested & Certified 200,000 cycles in-house lab
- Closing speed: Continuously adjustable closing speed from approx. 120° to 0°
- Latching speed: Adjustable, works between 10 to 0°
- Door Opening Angle 120°
- Inbuilt Hold Open function in slide rail
- Door Material: Steel, Wooden, Profile Framed
- Finish : Silver

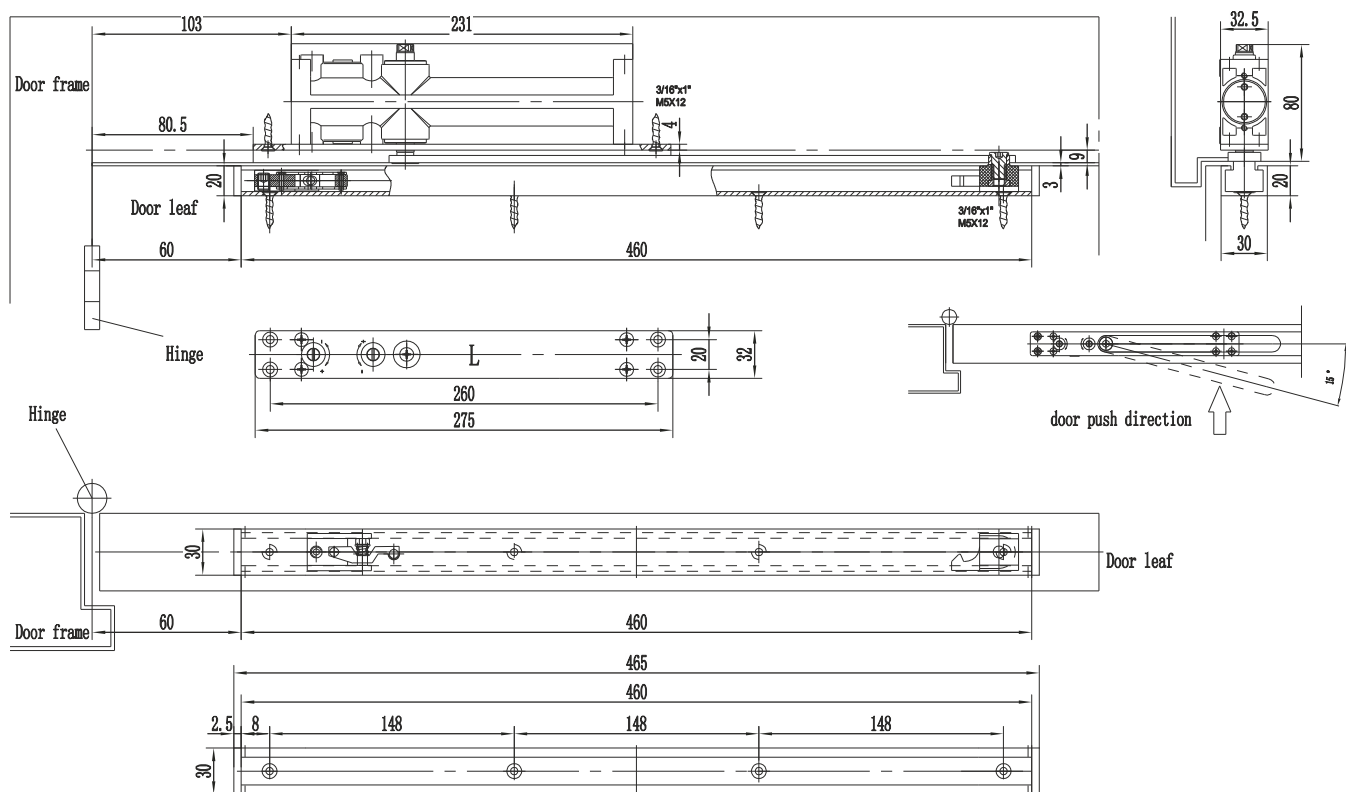
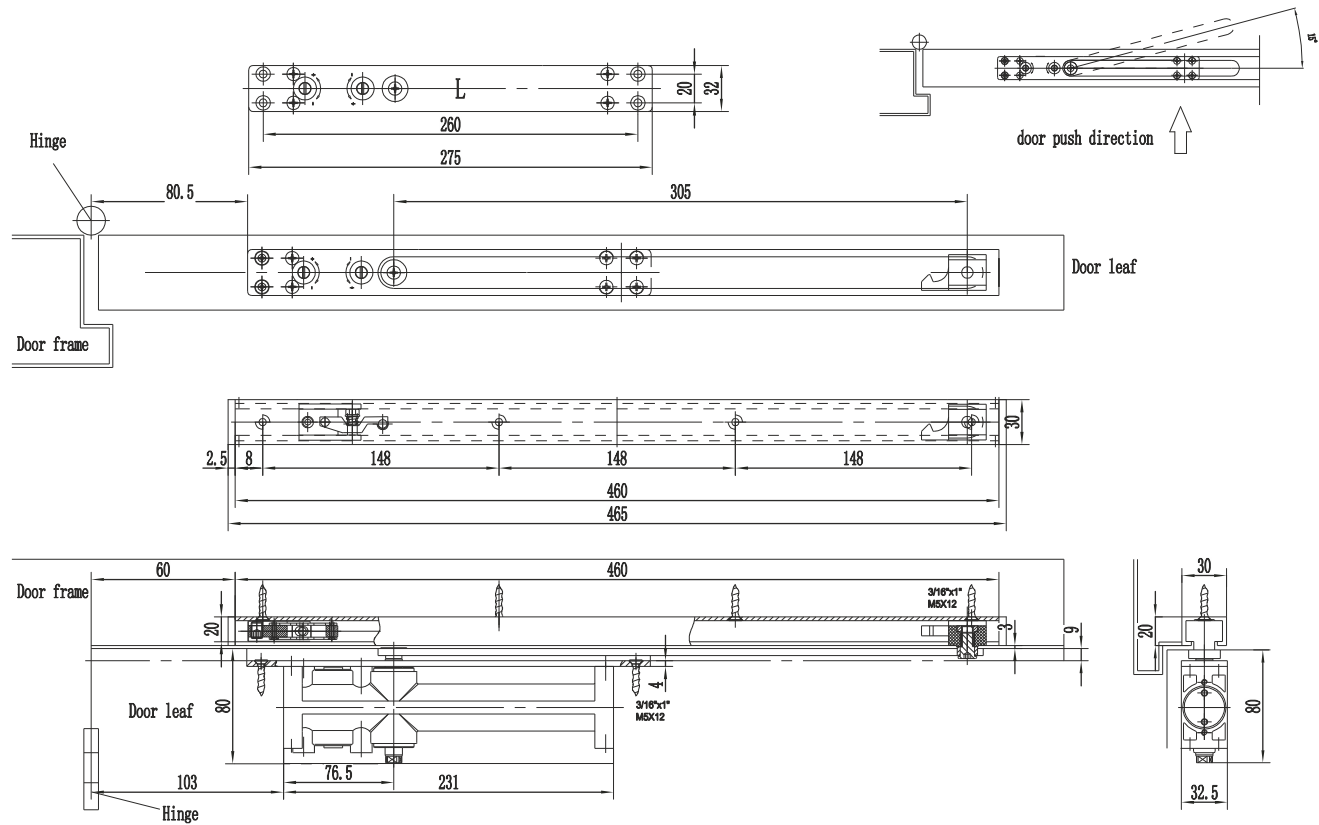
S.no.	Description	Unit	Article No.	PU
1	HCS 380 with hold open slide rail EN3, adjustable closing/latching speed	Set	9 227 824	01
2	Hold open component (Only) for HCS 380	Set	9 228 257	01
2	HCS 380 Slide Rail with HO (W/O Body) OLD	Set	9 251 367	01
3	HCS 380: EN 3, with hold open slide rail; For door width 950 mm & Door Weight 60 kg (Min. Door Thickness - 40mm)	Set	9 250 954	01
4	HO device for HCS 380 (New)	Set	9 250 998	01

Article codes written in black are available on request.

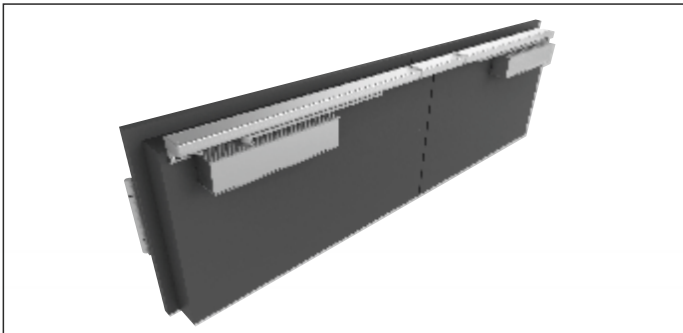
Mounting Instruction: HCS 385



Mounting Instruction: HCS 380



Door Coordinator

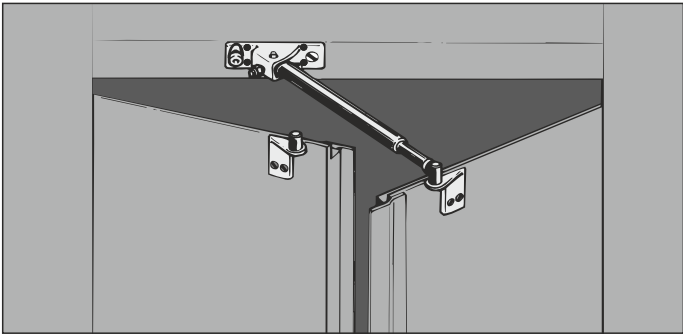


- ▶ Used where there is double door installed and synchronized opening is required.
- ▶ Door closer Body (without slide rail) needed to be order separately.
- ▶ The User is only required to open and release the active leaf only.
- ▶ The opening and closing of the two shutters are synched.
- ▶ In this 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 Double Door Leaf width of HSR is 2800 mm.
- ▶ Maximum Double Door Leaf width of HSR BG is 2500 mm.
- ★ 2 Units of HSS 61/41 body required to order extra.

Approved & Certified Product:

S.no.	Description	Unit	Article No.	PU
1	HSR Closing Sequence Selector For HSS 61 and 41body, Fire Rated (For Hinge Side)	Pc	9 228 441	01
2	HSR BG Closing Sequence Selector For HSS 61 and 41 body , Fire Rated (For Hinge Opposite Side)	Pc	9 228 442	01

HSR Basis 2



- ▶ Door sequence selector HSR Basis 2 For two door system
- ▶ One door dimensions Width: Max. 1600 mm, Weight: Max. 200 Kg
- ▶ Required Space above door : Min. 30 mm
- ▶ For installation with all type of door closer
- ▶ Finish: Zinc plated galvanized Steel



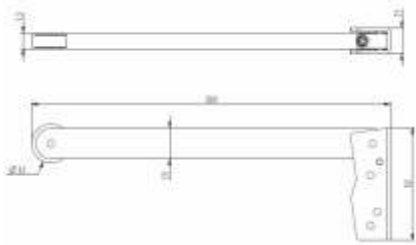
Approved & Certified Product:

S.no.	Description	Unit	Article No.	PU
1	HSR Basis 2: Basic Door Coordinator for door closers for doors up to 200 kg , EN 1158 Certified	Set	9 250 395	01

HSR 1



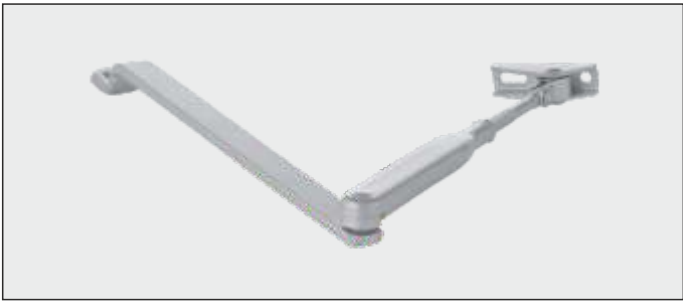
- ▶ Door sequence selector HSR 1 For two door system
- ▶ One door dimensions Width: Max. 1100 mm, Weight: Max. 80 Kg
- ▶ Required Space above door : Min. 30 mm
- ▶ For installation with all type of door closer
- ▶ Finish: Zinc plated galvanized Steel



S.no.	Description	Unit	Article No.	PU
1	HSR 1: Basic Door Coordinator for door closer for doors up to 80 kg	Set	9 228 733	01

Article codes written in black are available on request.

Standard Arm



► For use with all standard arm door closer models

S.no.	Description	Unit	Article No.	PU
1	Standard Arm for use with HSA-50/20	Pc	9 227 828	01
2	Standard Arm for use with HSA-15/14	Pc	9 228 438	01
3	Standard Arm for use with HSA-10/10D EN/10 F	Pc	9 228 433	01

Hold Open Arm



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

S.no.	Description	Unit	Article No.	PU
1	Hold open arm (70-130 deg)	Pc	9 227 829	01

Opening Angle Limiter - OB-GS-B



► Opening Limiter for Slide rail B for HSS 61/51/41/31
► To be used along with door stopper (please refer page no. 315)

S.no.	Description	Unit	Article No.	PU
1	Opening Angle Limiter for slide rail B	Pc	9 227 830	01

Hold Open Device - FKL-GS-B

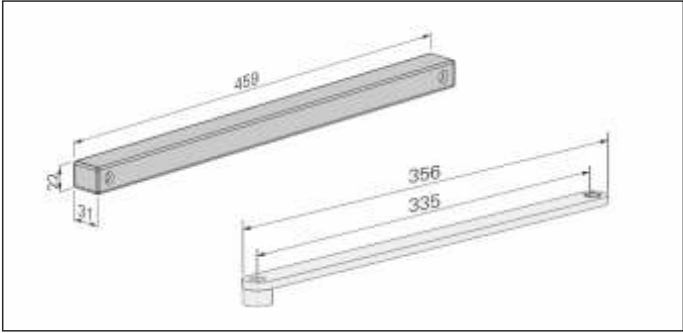


► Hold Open device for Slide rail B for HSS 61/51/41/31
► Not to be recommended with door closer with slide rail K
► Hold Open angle 70°-130°

S.no.	Description	Unit	Article No.	PU
1	FKL Hold Open device for slide rail B	Pc	9 227 831	01

Article codes written in black are available on request.

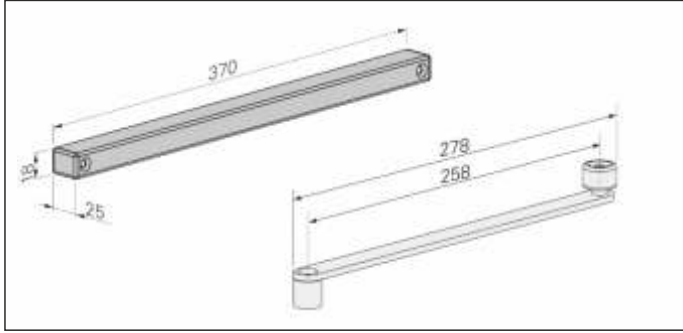
Slide rail B



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

S.no.	Description	Unit	Article No.	PU
1	Slide rail B (459 mm) for HSS-61/51/41/31 door closer body	Set	9 227 826	01

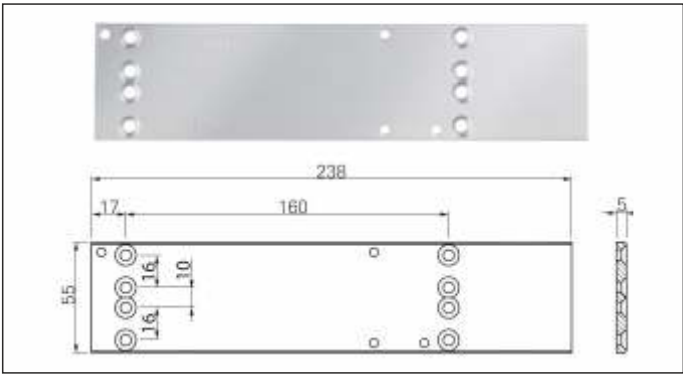
Slide rail K



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

S.no.	Description	Unit	Article No.	PU
1	Slide rail K (370 mm) for HSS-41/31/33 door closer body	Set	9 227 827	01

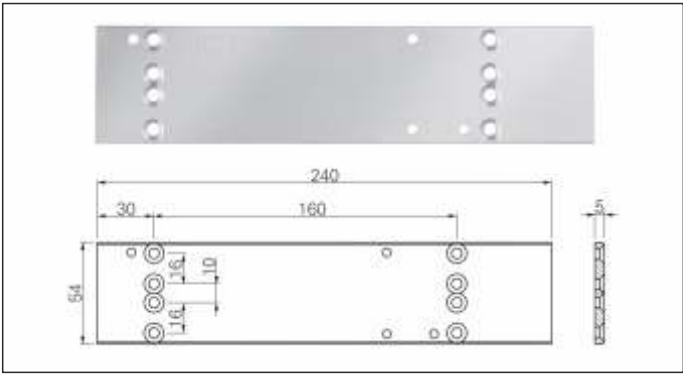
Mounting Plate For HSS 61



► For HSS 61 with DIN Holes

S.no.	Description	Unit	Article No.	PU
1	Mounting Plate For HSS 61	Pc	9 227 832	01

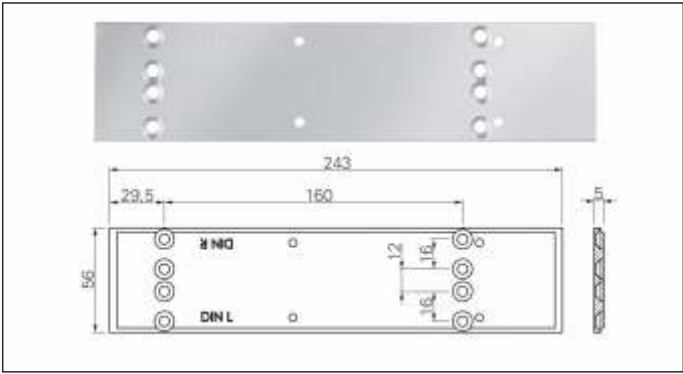
Mounting Plate For HSS 51



► For HSS 51 with DIN Holes

S.no.	Description	Unit	Article No.	PU
1	Mounting Plate For HSS 51	Pc	9 227 833	01

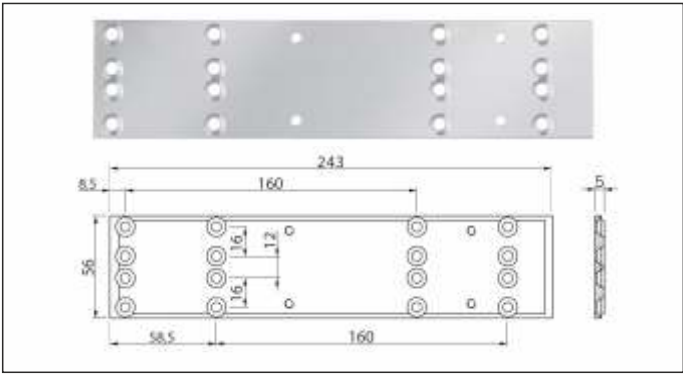
Mounting Plate For HSS 41/31/50



► For HSS 41/31/50 with DIN Holes

S.no.	Description	Unit	Article No.	PU
1	Mounting Plate For HSS 41/31/50	Pc	9 227 834	01

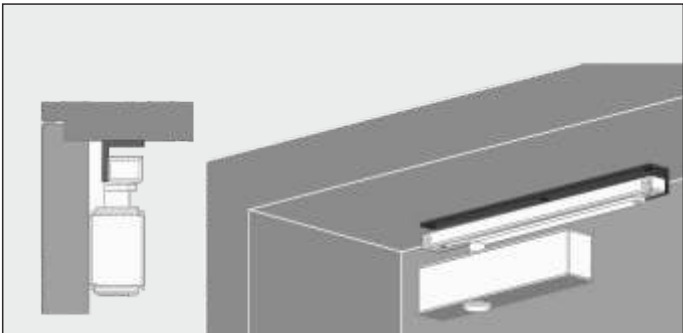
Mounting Plate For HSA 20



► For HSA 20 with DIN Holes

S.no.	Description	Unit	Article No.	PU
1	Mounting Plate For HSA 20	Pc	9 227 835	01

Under Lintel Angle



- For Standard mounting installation of the slide rail on hinge opposite side of the door
- For Slide rail B and K only HSS 41
- Under Lintel Angle Made of Aluminium



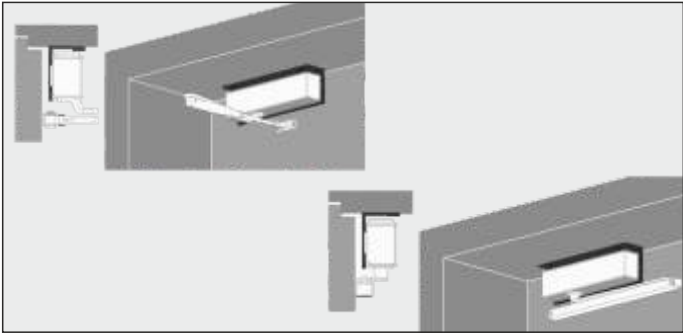
Under-lintel angle for slide rail B



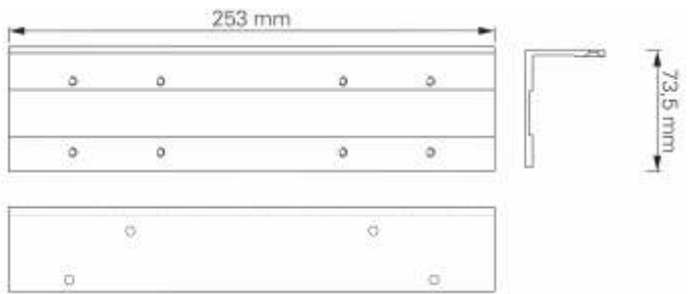
Under-lintel angle for slide rail K

S.no.	Description	Unit	Article No.	PU
1	Under Lintel Angle For Slide rail B	Set	9 227 836	01
2	Under Lintel Angle For Slide rail K	Set	9 227 837	01

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

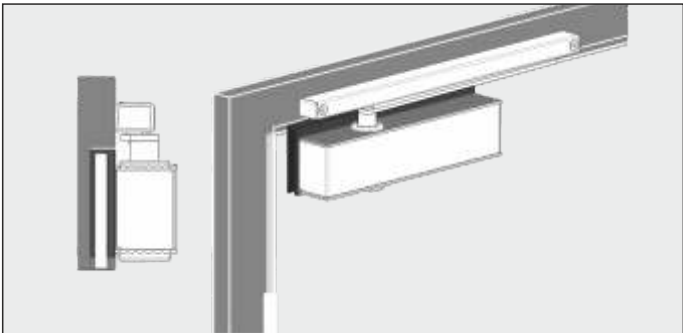


Under-lintel angle

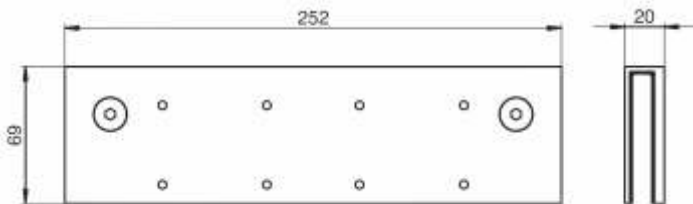
S.no.	Description	Unit	Article No.	PU
1	Under Lintel Angle For Door closer HSS 61	Set	9 227 838	01
2	Under Lintel Angle For Door closer HSS 51	Set	9 228 435	01
3	Under Lintel Angle For Door closer HSS 41/31 & HSA 50/20	Set	9 228 436	01

Article codes written in black are available on request.

Glass Clamping device



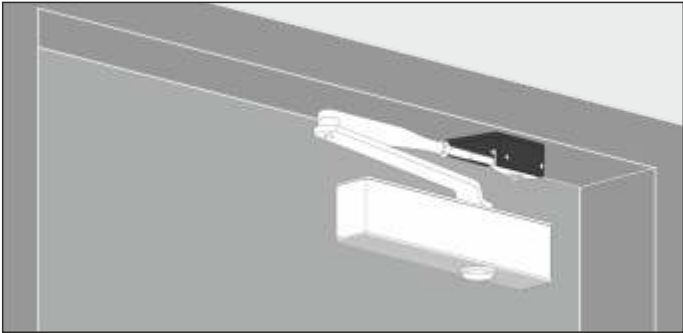
- ▶ Clamping Device made for Fixing door closer on Glass door side of the door
- ▶ Suitable for 8-10 mm Glass (toughened safety glass)
- ▶ For HSS 41
- ▶ Clamping Device made of Aluminium
- ▶ Studio fitting to be ordered along with this.



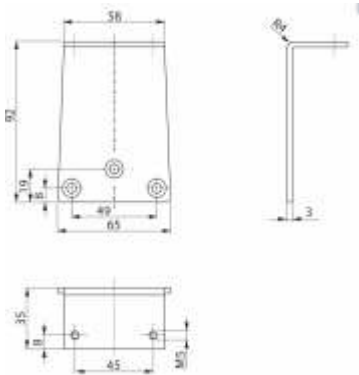
Glass clamping device for HSS-41

S.no.	Description	Unit	Article No.	PU
1	HGL GC: Glass Clamping device for HSS 41	Set	9 228 295	01

Angle Bracket



- ▶ For Parallel Arm Mounting
- ▶ For HSA 50/20/15/14
- ▶ Not permitted to use on fire and smoke control doors



Angle bracket PAM RFG

S.no.	Description	Unit	Article No.	PU
1	Angle Bracket For HSA 50/20/15/14	Set	9 227 839	01

Slide Rail Door closer for single leaf doors (Hinge and hinge opposite side)

Maximum Door Width 950 mm

Door closer	Fire rated	Size acc.to EN 1154 A	Adjustable Latching Speed	Adjustable Closing Speed	Back-Check	Delay Action	Max. Door Weight
HSS-61	Yes	5-6	✓	✓	✓	opt.	250 kg
HSS-61	Yes	3-6	✓	✓	✓	✓	120 kg
HSS-51	Yes	1-4	✓	✓	✓	-	140 kg
HSS-41	Yes	1-4	✓	✓	✓	-	120 kg
HSS-31	Yes	1-3	✓	✓	✓	-	100 kg
HSS-33	Yes	3	✓	✓	-	-	80 kg

Maximum Door Width 1100 mm

Door closer	Fire rated	Size acc.to EN 1154 A	Adjustable Latching Speed	Adjustable Closing Speed	Back-Check	Delay Action	Max. Door Weight
HSS-61	Yes	5-6	✓	✓	✓	opt.	220 kg
HSS-61	Yes	3-6	✓	✓	✓	✓	120 kg
HSS-51	Yes	1-4	✓	✓	✓	-	140 kg
HSS-41	Yes	1-4	✓	✓	✓	-	120 kg

Maximum Door Width 1250 mm

Door closer	Fire rated	Size acc.to EN 1154 A	Adjustable Latching Speed	Adjustable Closing Speed	Back-Check	Delay Action	Max. Door Weight
HSS-61	Yes	5-6	✓	✓	✓	opt.	190 kg
HSS-61	Yes	3-6	✓	✓	✓	✓	120 kg

Maximum Door Width 1400 mm

Door closer	Fire rated	Size acc.to EN 1154 A	Adjustable Latching Speed	Adjustable Closing Speed	Back-Check	Delay Action	Max. Door Weight
HSS-61	Yes	5-6	✓	✓	✓	opt.	160 kg
HSS-61	Yes	3-6	✓	✓	✓	✓	120 kg

Note: The door closer power size has to be adjusted to the highest level for any door weight that exceeds the test door weight of EN1154 standard

Standard Arm Door closer for single leaf doors (Hinge and hinge opposite side)

Maximum Door Width 950 mm

Door closer	Fire rated	Size acc.to EN 1154 A	Adjustable Latching Speed	Adjustable Closing Speed	Back-Check	Delay Action	Max. Door Weight
HSA50	Yes	2-6	✓	✓	✓	-	150 kg
HSA20	Yes	2/3/5	✓	✓	✓	-	150 kg
HSA15	No	2/3/4/5	✓	✓	-	-	100 kg
HSA14	No	1/2/3/4	✓	✓	-	-	80 kg
HSA10 D EN	Yes	2/3/4	✓	✓	-	-	80 kg
HSA10 F	Yes	2/3/4	✓	✓	-	-	80 kg
HSA10	No	2/3/4	✓	✓	-	-	80 kg

Maximum Door Width 1100 mm

Door closer	Fire rated	Size acc.to EN 1154 A	Adjustable Latching Speed	Adjustable Closing Speed	Back-Check	Delay Action	Max. Door Weight
HSA50	Yes	2-6	✓	✓	✓	-	140 kg
HSA20	Yes	2/3/5	✓	✓	✓	-	140 kg
HSA15	No	2/3/4/5	✓	✓	-	-	100 kg
HSA14	No	1/2/3/4	✓	✓	-	-	80 kg
HSA10 D EN	Yes	2/3/4	✓	✓	-	-	80 kg
HSA10 F	Yes	2/3/4	✓	✓	-	-	80 kg
HSA10	No	2/3/4	✓	✓	-	-	80 kg

Maximum Door Width 1250 mm

Door closer	Fire rated	Size acc.to EN 1154 A	Adjustable Latching Speed	Adjustable Closing Speed	Back-Check	Delay Action	Max. Door Weight
HSA50	Yes	2-6	✓	✓	✓	-	120 kg
HSA20	Yes	2/3/5	✓	✓	✓	-	110 kg
HSA15	No	2/3/4/5	✓	✓	-	-	100 kg

Maximum Door Width 1400 mm

Door closer	Fire rated	Size acc.to EN 1154 A	Adjustable Latching Speed	Adjustable Closing Speed	Back-Check	Delay Action	Max. Door Weight
HSA50	Yes	2-6	✓	✓	✓	-	120 kg

Note: The door closer power size has to be adjusted to the highest level for any door weight that exceeds the test door weight of EN1154 standard

Concealed Door closer for single leaf doors (Hinge and hinge opposite side)

Maximum Door Width 950 mm

Door closer	Fire rated	Size acc.to EN 1154 A	Adjustable Latching Speed	Adjustable Closing Speed	Back-Check	Delay Action	Max. Door Weight
Multi G	Yes	2-5	✓	✓	-	-	130 kg
Multi G	Yes	1-4	✓	✓	-	-	120 kg
HCS 400	Yes	2-4	✓	✓	-	-	120 kg
HCS 385	No	2-4	✓	✓	-	-	80 kg
HCS 380	No	3	✓	✓	-	-	60 kg
HCS 600	Yes	3-6	✓	✓	✓	-	200 kg

Maximum Door Width 1100 mm

Door closer	Fire rated	Size acc.to EN 1154 A	Adjustable Latching Speed	Adjustable Closing Speed	Back-Check	Delay Action	Max. Door Weight
Multi G	Yes	2-5	✓	✓	✓	-	120 kg
Multi G	Yes	1-4	✓	✓	✓	-	100 kg
HCS 400	Yes	2-4	✓	✓	✓	-	100 kg
HCS 385	No	2-4	✓	✓	✓	-	80 kg
HCS 600	Yes	3-6	✓	✓	✓	-	200 kg

Maximum Door Width 1250 mm

Door closer	Fire rated	Size acc.to EN 1154 A	Adjustable Latching Speed	Adjustable Closing Speed	Back-Check	Delay Action	Max. Door Weight
Multi G	Yes	2-5	✓	✓	-	-	100 kg
HCS 600	Yes	3-6	✓	✓	✓	-	200 kg

Note: The door closer power size has to be adjusted to the highest level for any door weight that exceeds the test door weight of EN1154 standard



Perfectly controlled push and pull movements

Hettich Floor Spring is designed precisely to work seamlessly in rough conditions in order to maintain the ambient conditions on both sides of the door. It is integrated with specialized speed control to provide the user with smooth closing mechanisms. Hettich floor spring is in absolute accordance with DIN and EN standards and come with various adjustment options.



The HTS FS Floor spring is distinguished by its particularly flat design which makes it the ideal door closer for single or double active doors. The overall height of only 40 mm or 61 mm enables easy installation.



Floor Spring have to cope with routine daily business and emergency situations: they soften the door strike and close the door securely.



Floor Spring extend from the functional standard of the hold-open systems to "virtually invisible" closing solutions integrated into the floor or door bottom.

Floor Spring (EN 1154 Certified Range)

Page No: 66 – 67



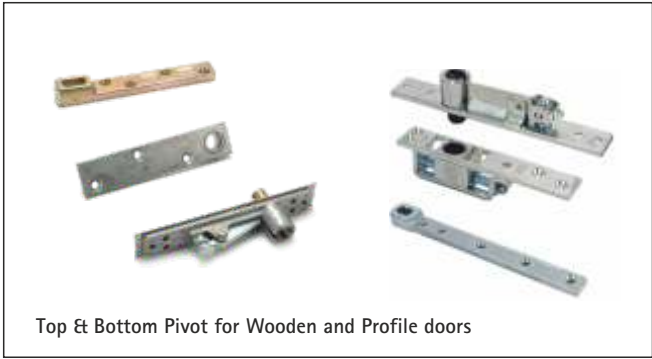
Floor Spring (Non-EN Certified Range)

Page No: 68 – 69



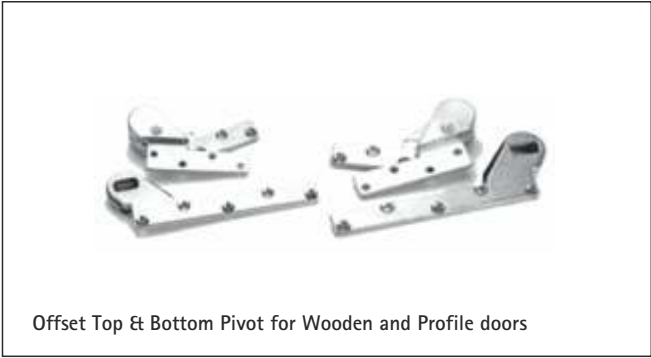
Floor Spring Accessories

Page No: 70



Special Solutions

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Floor Spring

► Internal mechanism & Basic terminology

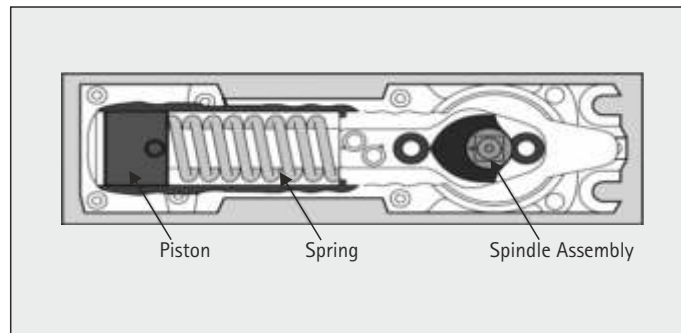


A Floor Spring is a mechanical door closing device mostly used for glass doors along with patch fitting. Floor springs are mostly used where both pull and push movement is required. The most prominent area where floor springs are used is in Interior doors of a Business park, Malls, Hospital building.

How to select: Choosing Floor Spring is more over similar to Door Closer. In addition to weight capacity, other criteria may include

- Door Dimensions i.e. Door Weight and Door width
- Closing Speed Variation
- Control over the rate of closing
- Safety & Durability
- Door Closer's performance in fire situation
- Anti-Ligature, Aesthetics, etc.

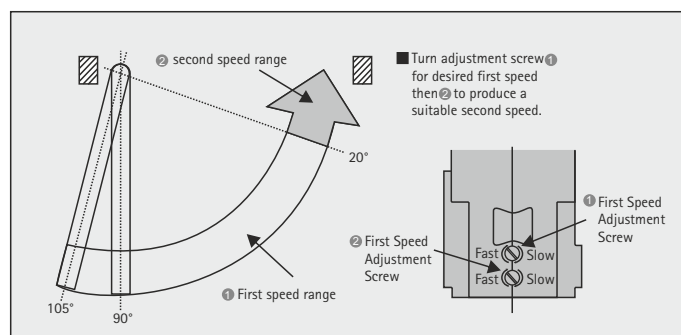
Floor Spring Internal Mechanism



CAM Action Mechanism

- When the door is opened to any one side the bottom arm fixed to the door rotates the Cam spindle and in turn the Cam also rotates.
- With the rotation of the cam, the cam assembly (connecting rod spring) connected to the piston pulls the piston head.
- Both the Compression springs and oil get compressed. Springs store energy. Under this condition the oil rushes to the other side of the piston head through the check valve in the piston head
- If the door is opened till 90°, the cam engages in arrester pin. This holds the door at 90° & will remain open as long as it is not disengaged by applying force on the door.
- If the opening of the door is less than 90°, when the door is released, the stored energy in the compressed spring tries to push the piston head. This provides the closing action of the door.

Floor Spring Adjustment

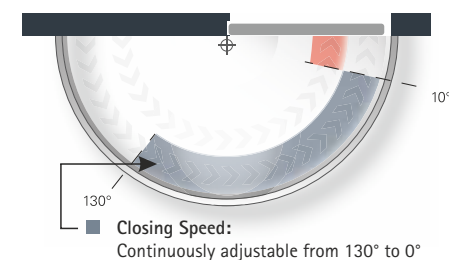


Adjustment in Floor spring can be done by turning adjustment screws clockwise or anti clockwise.

By turning first screw from CAM, we can adjust closing speed and by turning second screw or farther one, we can adjust latching speed.

CAUTION: DO NOT COMPLETELY UNSCREW FLOOR SPRING HYDRAULIC ADJUSTMENT SCREWS OR YOU WILL RUIN THE CLOSER AND HYDRAULIC FLUID WILL LEAK OUT.

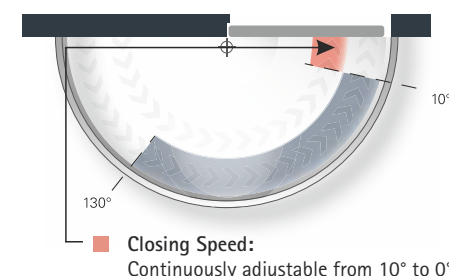
Basic Terminology Related to Floor Spring



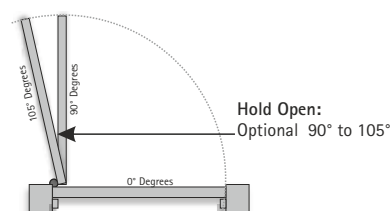
- **Closing Moment and Closing Speed:** The force generated by a door closing device which acts upon during the closing operation. It helps to adjust closing force according to width & weight of the door
- **Adjustable Closing Speed:** By turning Valve Screw the flow of Liquid can be altered for adjustment of Closing speed.



Valve Adjustment



- **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.



- **Hold Open:** Additional Feature which ensure self stopping of doors at a certain angle i.e. 90° and 105°.

Product characteristics		HTS FS960 Series	HTS FS840 Series			HTS FS750 Series			HTS FS650 Series			HTS FS463
Closing force (continuously adjustable)	Size acc. to EN	3-6	2	3	4	3	4	5	2	3	4	3
Door width (acc. to EN)	≤ 850 mm	—	■	—	—	—	—	—	■	—	—	—
	≤ 950 mm	■	—	■	—	■	—	—	—	■	—	■
	≤ 1100 mm	■	—	—	■	—	■	—	—	—	■	—
	≤ 1250 mm	■						■				
	≤ 1400 mm	■										
Door weight (acc. to EN)	max. in kg	300	150	150	150	60	80	100	100	100	100	80
Dimensions	Length in mm	341	307			305			274			274
	Width in mm	105	108			108			97			97
	Height in mm	61	40			41.5			40			40
Latching speed (adjustable)		■	■	■	■	■	■	■	■	■	■	■
Closing speed (continuously adjustable)		■	■	■	■	■	■	■	■	■	■	■
Back Check (Inbuilt)		■	■	■	■	—	—	—	■	■	■	■
Hold-open 90° 105°		□	□	□	□	■	■	■	□	□	□	□
		□	□	□	□	—	—	—	□	□	□	□
DIN left / DIN right		■	■	■	■	■	■	■	■	■	■	■
Door opening angle		180°	130°			130°			130°			130°
Tested acc. to EN		EN 1154 A	EN 1154 A			—			—			—
Certified according to EU-Directive		CE	CE			—			—			—
Fire Rated		—	F						—			—
■ Yes — No □ Option												

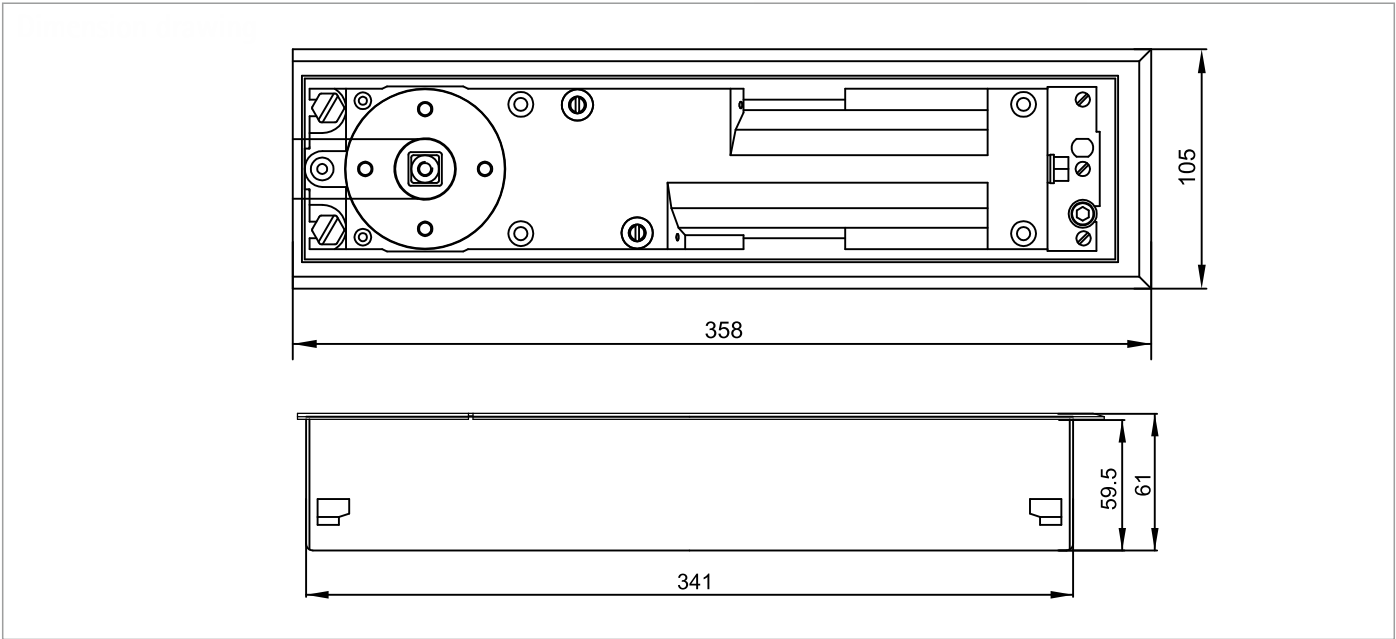
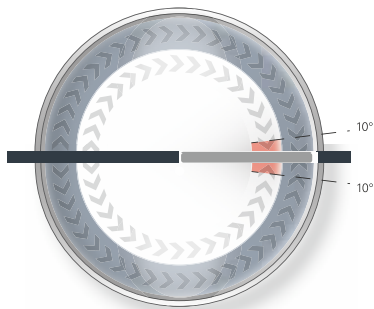
EN STANDARDS		
EN Value	Recommended Door Width (MM)	Recommended Door Weight (KG)
EN 1	750	20
EN 2	850	40
EN 3	950	60
EN 4	1100	80
EN 5	1250	100
EN 6	1400	120
EN 7	1600	160

960 series (300 kg)



- ▶ Cam Action Floor Spring
- ▶ Weight of door: 60kg – Max. 300kg
- ▶ Width of door: 950 - 1400mm
- ▶ Continuously Adjustable Spring Closing Power
- ▶ Closing speed: Continuously adjustable closing speed from approx. 180° to 0°
- ▶ Latching speed: Continuously adjustable, works between 10 to 0°
- ▶ Inbuilt Back Check & Optional Hold Open at 90° and 105°
- ▶ Both DIN Left/ DIN Right
- ▶ Door Opening angle 180°
- ▶ Door Material: Steel, Wooden, Profile Framed
- ▶ Finish : Silver
- ▶ Set Includes: Floor Spring body, Cover, Mounting Instructions, Fixing Material

Approved Et Certified Product:

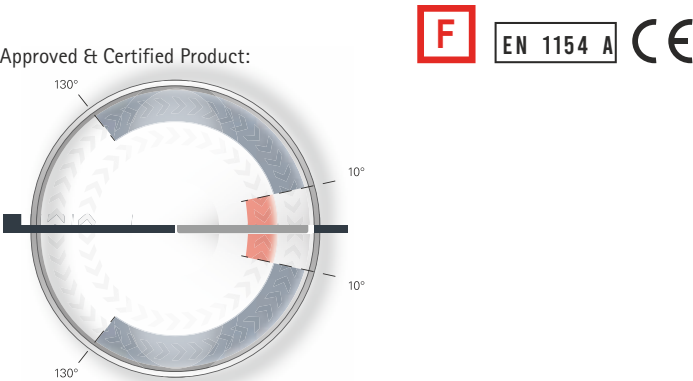


S.no.	Floor spring	Hold-open	Closing force	Door Width	Max. door weight	Unit	Article No.	PU
1	FS 960	N/A	EN 3-6	950 - 1400 mm	300 kg	Set	9 227 858	01
2	FS 960	90°	EN 3-6	950 - 1400 mm	300 kg	Set	9 227 859	01
3	FS 960	105°	EN 3-6	950 - 1400 mm	300 kg	Set	9 227 860	01

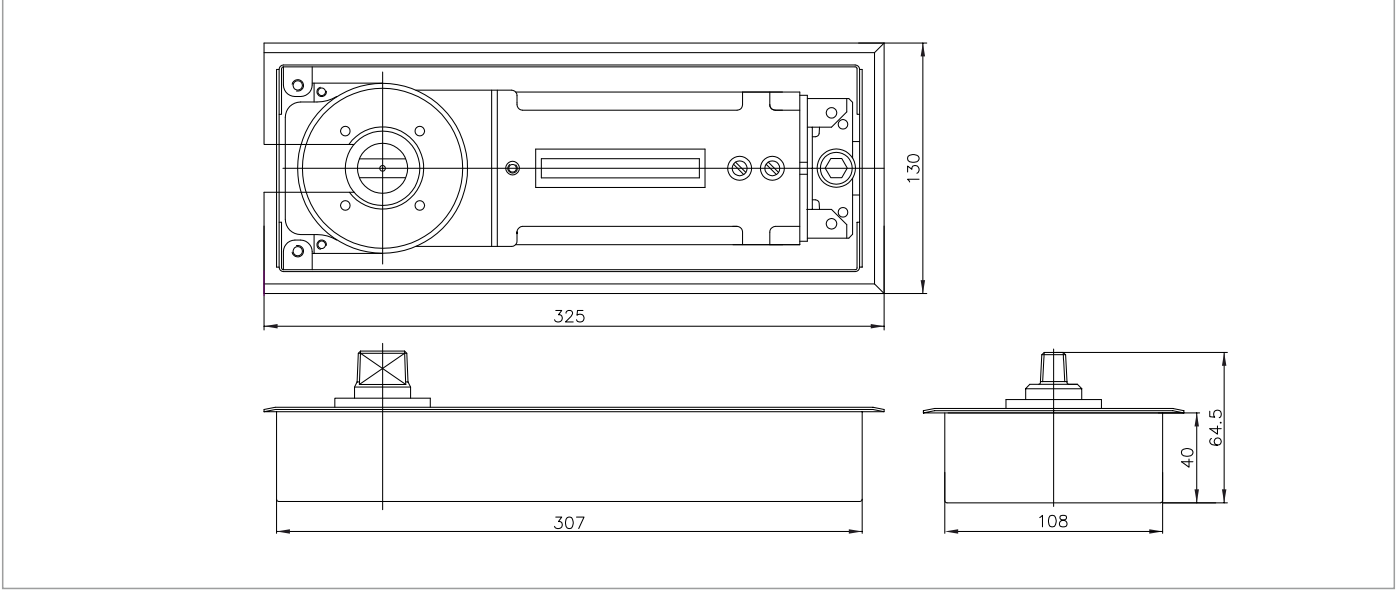
840 series (150 kg)



- ▶ Cam Action Floor Spring
- ▶ Weight of door: 40kg – Max. 150kg
- ▶ Width of door: 850 – 1100 mm
- ▶ Closing speed: Continuously adjustable closing speed from approx. 130° to 0°
- ▶ Latching speed: Continuously adjustable, works between 10 to 0°
- ▶ Inbuilt Back Check & Optional Hold Open at 90° and 105°
- ▶ Both DIN Left/ DIN Right
- ▶ Door Opening angle 130°
- ▶ Door Material: Steel, Wooden, Profile Framed
- ▶ Finish : Silver
- ▶ Set Includes: Floor Spring body, Cover, Mounting Instructions, Fixing Material



Dimension drawing



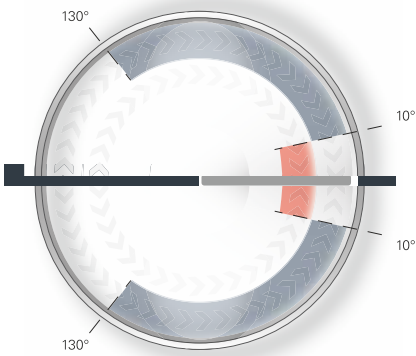
S.no.	Floor spring	Hold-open	Closing force	Max. door width	Max. door weight	Unit	Article No.	PU
1	FS 842	N/A	EN 2	850mm	150 kg	Set	9 227 840	01
2	FS 842	90°	EN 2	850mm	150 kg	Set	9 227 841	01
3	FS 842	105°	EN 2	850mm	150 kg	Set	9 227 842	01
4	FS 843	N/A	EN 3	950mm	150 kg	Set	9 227 843	01
5	FS 843	90°	EN 3	950mm	150 kg	Set	9 227 844	01
6	FS 843	105°	EN 3	950mm	150 kg	Set	9 227 845	01
7	FS 844	N/A	EN 4	1100mm	150 kg	Set	9 227 846	01
8	FS 844	90°	EN 4	1100mm	150 kg	Set	9 227 847	01
9	FS 844	105°	EN 4	1100mm	150 kg	Set	9 227 848	01

Article codes written in black are available on request.

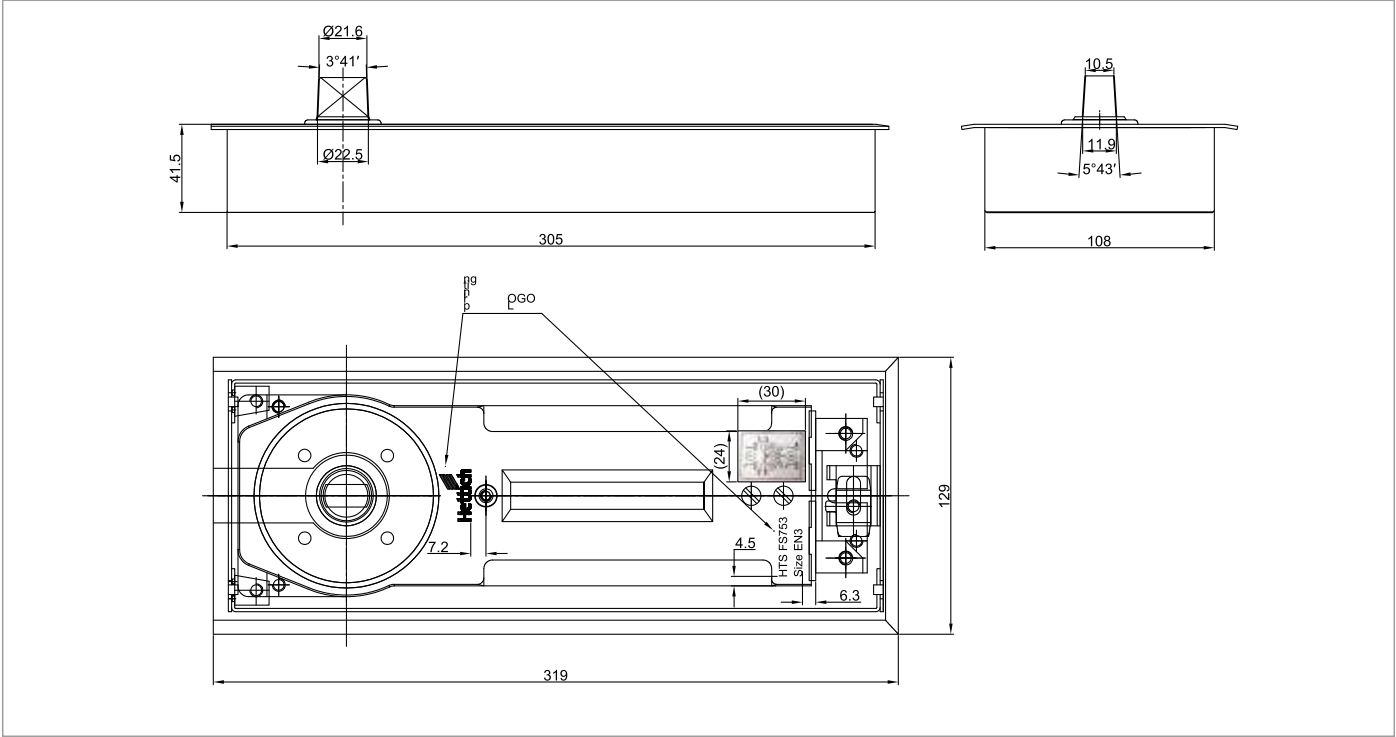
750 series



- ▶ Cam action double cylinder floor spring
- ▶ Weight of door: 60kg – max.100kg
- ▶ Width of door: 950 – 1250 mm
- ▶ Closing speed: Continuously adjustable approx. 130° to 0°
- ▶ Latching speed: Continuously adjustable, works between 10 to 0°
- ▶ Latching speed: continuously adjustable, works between 10 to 0°
- ▶ Suitable for both din left/ din right
- ▶ Door opening angle 130°
- ▶ Door material: glass, wood, profile doors
- ▶ Finish: silver
- ▶ Set includes: floor spring body, cover plate, fixing material



Dimension drawing

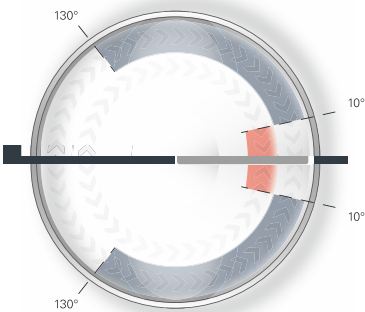


S.no.	Description	Unit	Article No.	PU
1	HTS FS 753: EN 3, for door width 950 mm, door weight 60kg, hold open at 90	Set	9 250 945	01
2	HTS FS 754: EN 4, for door width 1100 mm, door weight 80kg, hold open at 90	Set	9 250 946	01
3	HTS FS 755: EN 5, for door width 1250 mm, door weight 100kg, hold open at 90	Set	9 250 947	01

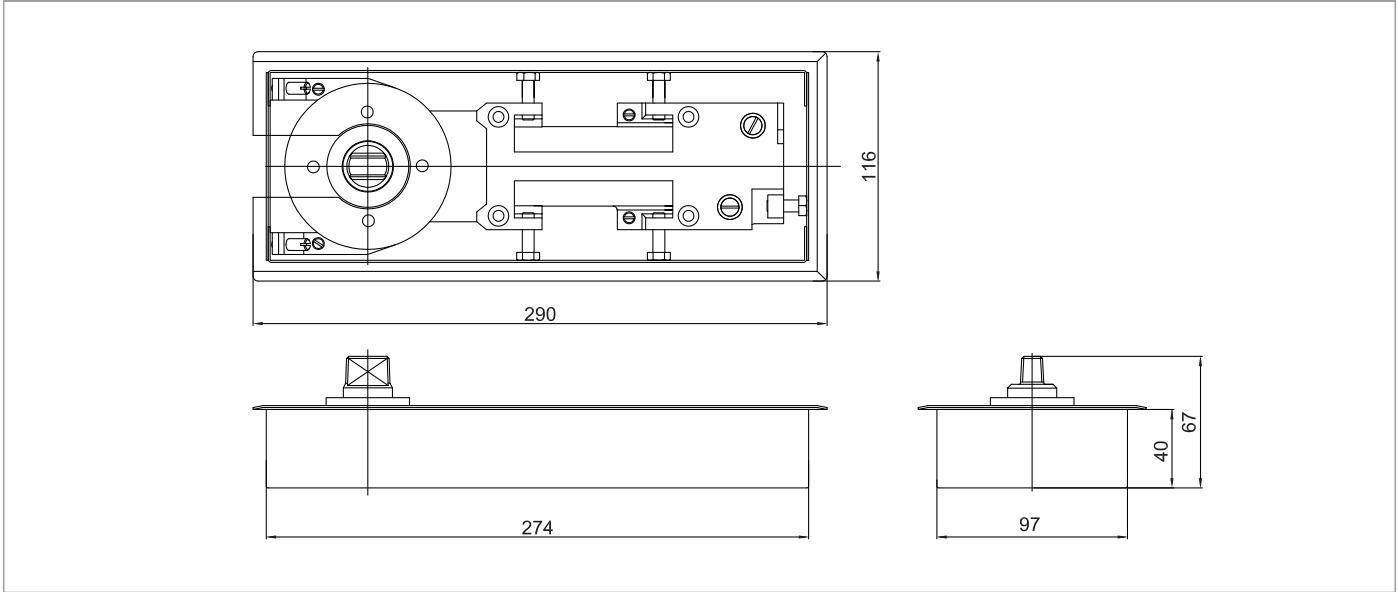
650 series (100 kg)



- ▶ Cam Action Floor Spring
- ▶ Weight of door: 40kg – Max. 100kg
- ▶ Width of door: 850 – 1100 mm
- ▶ Closing speed: Continuously adjustable closing speed from approx. 130° to 0°
- ▶ Latching speed: Continuously adjustable, works between 10 to 0°
- ▶ Inbuilt Back Check & Optional Hold Open at 90° & 105°
- ▶ Both DIN Left/ DIN Right
- ▶ Door Opening angle 130°
- ▶ Door Material: Steel, Wooden, Profile Framed
- ▶ Finish : Silver
- ▶ Set Includes: Floor Spring body, Cover, Mounting Instructions, Fixing Material



Dimension drawing



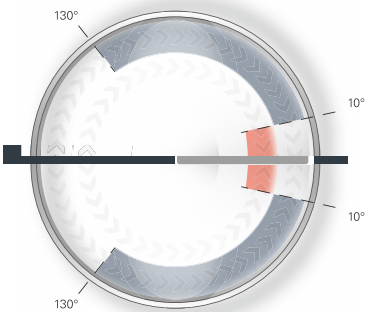
S.no.	Floor spring	Hold-open	Closing force	Max. door width	Max. door weight	Unit	Article No.	PU
1	FH 652	N/A	EN 2	850mm	100 kg	Set	9 227 849	01
2	FH 652	90°	EN 2	850mm	100 kg	Set	9 227 850	01
3	FH 652	105°	EN 2	850mm	100 kg	Set	9 227 851	01
4	FH 653	N/A	EN 3	950mm	100 kg	Set	9 227 852	01
5	FH 653	90°	EN 3	950mm	100 kg	Set	9 227 853	01
6	FH 653	105°	EN 3	950mm	100 kg	Set	9 227 854	01
7	FH 654	N/A	EN 4	1100mm	100 kg	Set	9 227 855	01
8	FH 654	90°	EN 4	1100mm	100 kg	Set	9 227 856	01
9	FH 654	105°	EN 4	1100mm	100 kg	Set	9 227 857	01

Article codes written in black are available on request.

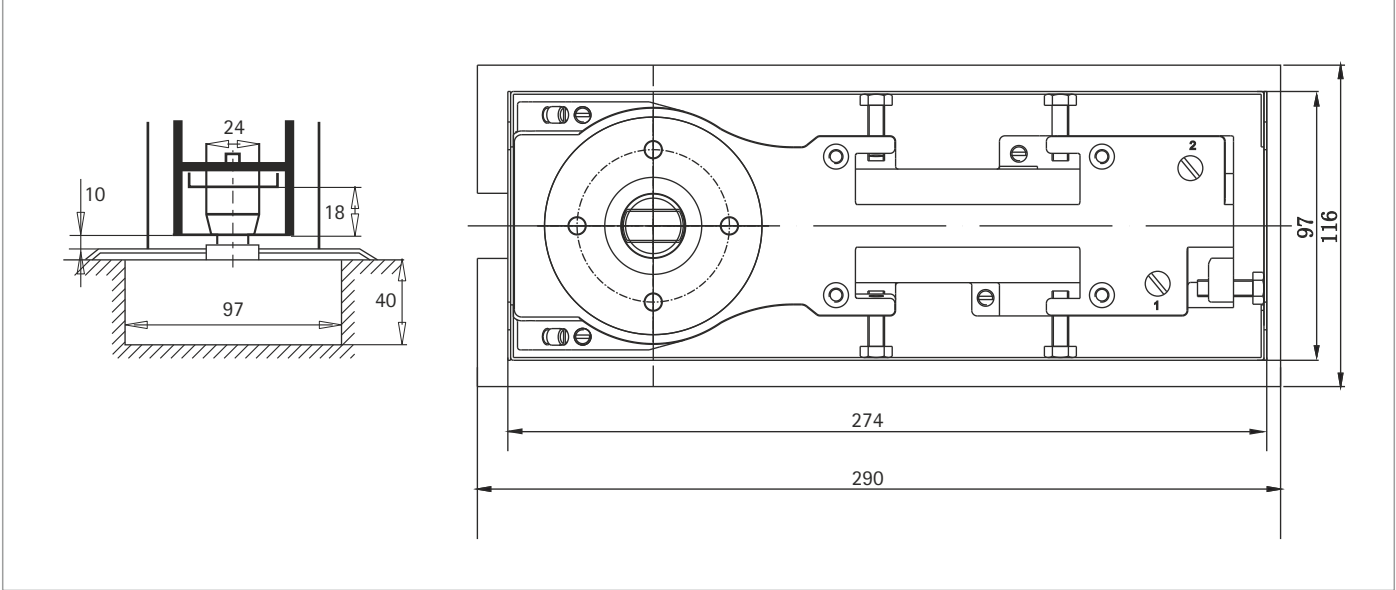
463 series (80 kg)



- ▶ Cam Action Floor Spring
- ▶ Weight of door: Max 80 Kg
- ▶ Width of door: 950 mm
- ▶ Closing speed: Continuously adjustable closing speed from approx. 130° to 0°
- ▶ Latching speed: Continuously adjustable, works between 10 to 0°
- ▶ Inbuilt Back Check & Optional Hold Open at 90°
- ▶ Both DIN Left/ DIN Right
- ▶ Door Opening angle 130°
- ▶ Door Material: Steel, Wooden, Profile Framed
- ▶ Finish : Silver
- ▶ Set Includes: Floor Spring body, Cover, Mounting Instructions, Fixing Material



Dimension drawing



S.no.	Floor spring	Hold-open	Closing force	Max. door width	Max. door weight	Unit	Article No.	PU
1	FH 463	N/A	EN 3	950mm	80 kg	Set	9 228 443	01
2	FH 463	90°	EN 3	950mm	80 kg	Set	9 228 444	01

Article codes written in black are available on request.

Top and Bottom pivot for 840, 650 Et 463 Series (up to150 kg)



Installation in the floor incl. accessory set containing

- Reception for floor spring pivot
- Reception for pivot hinge
- Adjustable pivot hinge

S.no.	Description	Unit	Article No.	PU
1	Top Et Bottom pivot for wooden and Steel profile doors (For door weight up to 150 Kg)	Set	9 227 863	01

Heavy Duty Top and bottom pivot for floor pivot (up to 350 kg)



- Heavy duty top and bottom strap with loading capacity of 350 kg.
- Installation in the Wooden and Profile doors.
- Reception for Floor Springs and Floor pivots.



Dimensions: Top pivot

S.no.	Description	Unit	Article No.	PU
1	Heavy duty Top and bottom pivot for floor pivot (For door weight up to 350 Kg)	Set	9 228 715	01

Spare Cover for floor spring



- Spare Cover for floor spring available in SS Et AB finish



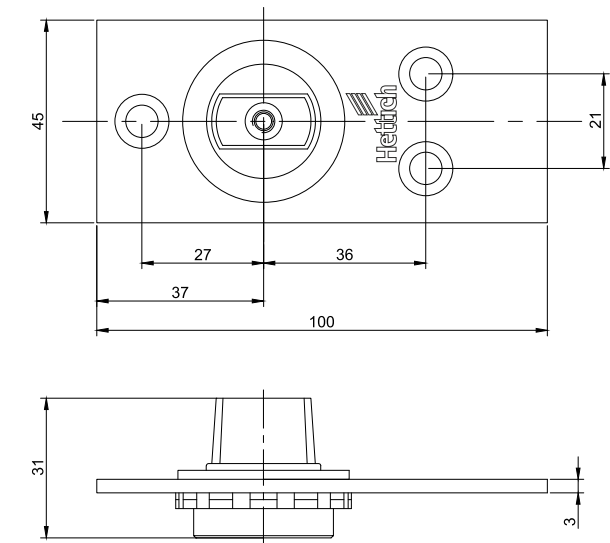
S.no.	Description	Unit	Article No.	PU
1	HTS Floor Spring Cover 650 Series 100 kg SS	Set	9 227 862	01
2	HTS Floor Spring Cover 840 Series 150 kg SS	Set	9 227 861	01
3	HTS Floor Spring Cover 460 Series 80 kg AB	Set	9 250 842	01
4	HTS Floor Spring Cover 650 Series 100 kg AB	Set	9 250 841	01
5	HTS Floor Spring Cover 840 Series 150 kg AB	Set	9 250 840	01
6	HTS Floor Spring Cover 960 Series 300 kg AB	Set	9 250 839	01
7	HTS Floor Spring Cover 750 Series BL	Set	9 250 958	01

Article codes written in black are available on request.

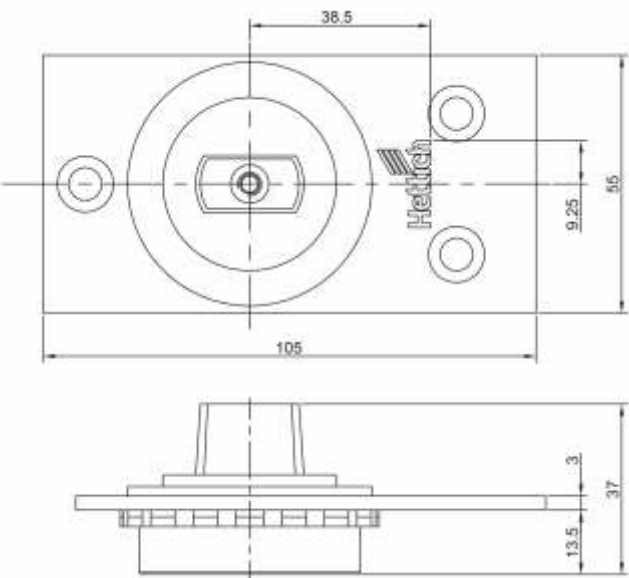
Floor pivot/hinge up to 150 & 350 Kg doors



- Loading Capacity up to 350 Kg
- Installation in the floor
- For heavy duty Double Action doors
- Also compatible with Glass Patch Fittings
- Also available in Black Matt finish (350 kg)



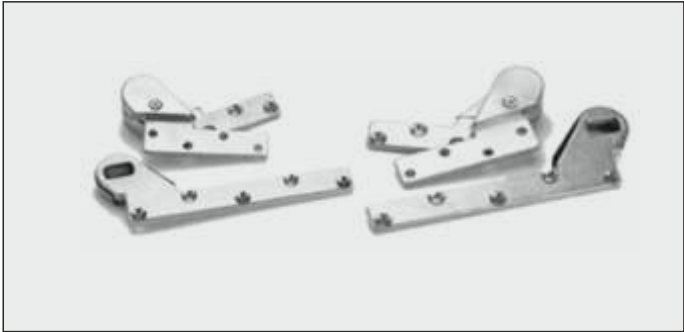
Dimensions: Floor pivot/hinge 150 kg



Dimensions: Floor pivot/hinge 350 kg

S.no.	Description	Unit	Article No.	PU
1	Floor pivot/hinge with loading capacity of 150 Kg doors, Stainless Steel Satin finish	Set	9 250 826	01
2	Floor pivot/hinge with loading capacity of 350 Kg doors, Stainless Steel Satin finish	Set	9 228 714	01
3	Floor pivot/hinge with loading capacity of 350 Kg doors, Black Matt finish	Set	9 250 485	01

Offset arms for Floor Springs



- Loading Capacity up to 150 – 200 Kg
- Installation in the Wooden doors
- Offset arms for Floor Spring and floor pivot
- Used on rebated doors
- Zinc plated steel material

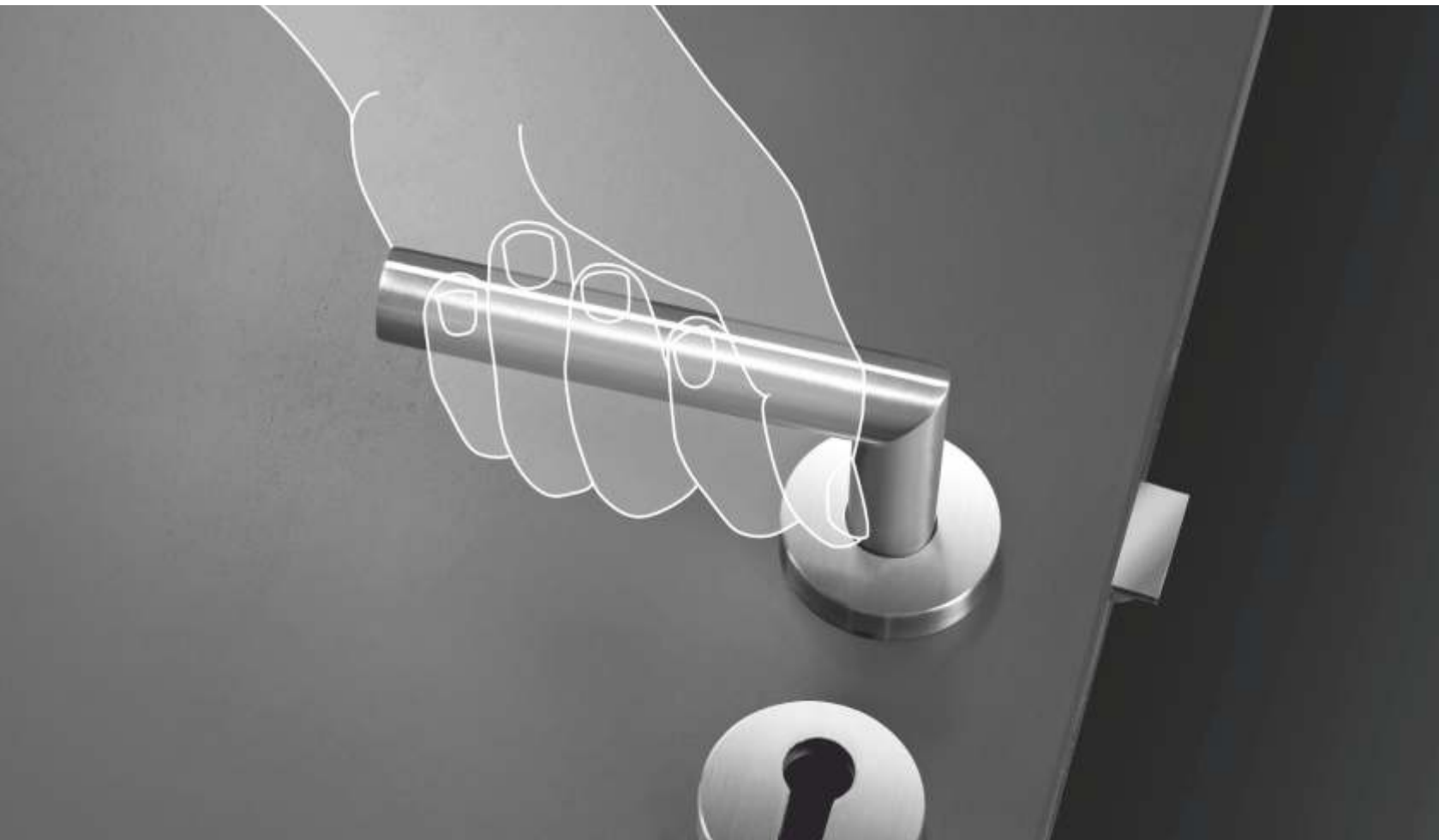
S.no.	Description	Unit	Article No.	PU
1	Offset arms for Floor Springs (DIN Left)	Set	9 228 717	01
2	Offset arms for Floor Springs (DIN Right)	Set	9 228 718	01

Article codes written in black are available on request.



Complete safety & security

Hettich Mortise locking solutions are made to perfection with our exclusively patented technology that ensures security for the users even in areas of special security requirements. Build to last, Hettich provides a wide range of mortise locking solutions for public places such as stadiums, gyms to private spaces like kitchen, bedrooms, etc.



The door handle (or door latch) is one of the most frequently used functional element in the house. It is the very first object that people make contact with when they enter a home & it hardly ever comes to rest in busy places.



A classic with value added: the advantage of the u-shaped handle lies in the second 90 degree bend. It was used traditionally to prevent people or material from getting "threaded on". The rear bend helps to prevent shopping bags or coat sleeves from getting caught in the handle. The u-shaped handle also has comfort qualities, because the rear turn supports the ball of the hand when opening the door.



In their efforts to lower house construction prices and rents in the 1920s, many architects became involved with the standardization of construction components. The ProLock-200 is a variation of the draft that once made a name for itself as the Frankfurt standard handle where a round rod was bent to 90 degrees and positioned on a simple rosette.

Classification Coding System – Lever Handles and Knob Furniture: EN 1906

► EN 1906 testing is evaluated as per below:

1. Category of Use

- Grade 1: Medium frequency of use, high incentive to exercise care, small chance of misuse, e.g. internal residential doors
- Grade 2: Medium frequency of use, some incentive to exercise care, some chance of misuse, e.g. internal office doors
- Grade 3: High frequency of use, little incentive to exercise care, high chance of misuse, e.g. public office doors
- Grade 4: High frequency of use on doors which are subject to violent usage, e.g. football stadiums, schools, public toilets

2. Durability

- Grade 6: 100,000 Test cycles
- Grade 7: 200,000 Test cycles

3. Door mass

- Grade: No classification

4. Fire resistance

- Grade 0: No performance determined
- Grade A: For use on smoke-control doors
- Grade A1: For use on smoke-control doors, tested with 200,000 cycles on a test door
- Grade B: For use on smoke-control and fire-resistant doors
- Grade B1: For use on smoke-control and fire-resistant doors, tested with 200,000 cycles on a test door
- Grade C: For use on smoke-control and fire-resistant doors with requirements for fire protection inlays in backplate, rose and escutcheon
- Grade C1: For use on smoke-control and fire-resistant doors with requirements for fire protection inlays in backplate, rose and escutcheon, tested with 200,000 cycles on a test door
- Grade D: For use on smoke-control and fire-resistant doors with requirements for special core in the handle/knob
- Grade D1: For use on smoke-control and fire-resistant doors with requirements for special core in the handle/knob, tested with 200,000 cycles on a test door

5. Safety

- Grade 0: Normal use
- Grade 0: Safety applications

6. Corrosion Resistance

- Grade 0: No
- Grade 1: Mild
- Grade 2: Moderate
- Grade 3: High
- Grade 4: Very high
- Grade 5: Extra high

7. Security

- Grade 0: No burglary resistance
- Grade 1: Mild burglary resistance
- Grade 2: Moderate burglary resistance
- Grade 3: High burglary resistance
- Grade 4: Extra high burglary resistance

8. Type of operation

- Type A: Spring-assisted furniture
- Type B: Spring-loaded furniture (with carrier 90° swing)
- Type U: Unsprung furniture

ProLock 4

Page No: 86 – 93



ProLock 3

Page No: 94 – 100



ProLock 3 with plates

Page No: 101 – 110



ProLock 3 Oval Rose

Page No: 111 – 118



ProLock 2

Page No: 119 – 124



ProLock 1

Page No: 125– 145





ProLock 1 Oval Rose Page No: 146 – 148



Panic Bar

Page No: 154 – 164



HPN 900 IV



HPN 3000



HPN 500

Lock Body (72 mm Centre to Centre Distance)

Page No: 170 – 175



Sash Lock



Dead bolt Lock



Latch Lock



Bathroom Lock



Night Latch Lock



Roller Latch Lock

Lock Body (85 mm Centre to Centre Distance)

Page No: 176 – 182



Profile Sash Lock



Profile Latch Lock



Profile Dead bolt Lock



Profile Roller latch Lock



Sash Lock



Dead bolt Lock



Latch Lock

Lock body EN 12209 series (72 mm CTC locks)

Page No:183 – 187



Sash Lock



Latch Lock



Dead bolt Lock



Bathroom Lock



Night Latch Lock

Special Locks

Page No: 188 – 191



Single Dead Bolt Lock



Single Latch Lock



Bathroom Dead Lock



Roller ball Catch



Security Lock



Allen key
Tubewell Lock

Wooden Sliding Locks and Handles / Escutcheons
 Page No: 192 – 193



Euro Profile Cylinder
 Page No: 195 – 196



Escutcheons
 Page No: 197 – 199



ProLock Infinity
 Page No: 203 – 208



Cylindrical Knob & Handle Locks
 Page No: 210 – 215



European Standard EN 1906 defines the utilization classes for door handle and handle systems. These classes depend on the intensity of use and level of care exercised by the users. Hettich only offers handle systems in all utilization categories.

Utilization Categories:



Class 1: HOME

- Moderate utilization by persons motivated to exercise great care and from whom there is a low risk of improper use. Typical areas of application: interior doors of residential buildings.



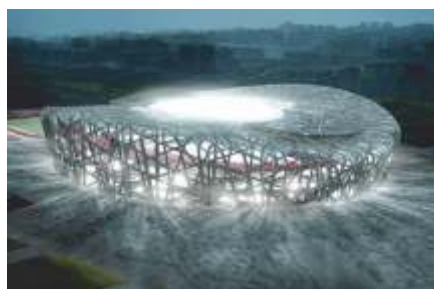
Class 2: OFFICE

- Moderate utilization by persons motivated to exercise care but from whom there is a certain risk of improper use. Typical areas of application: interior doors of office buildings.



Class 3: PUBLIC PLACES

- High utilization by the general public or other persons with low motivation to exercise care and from whom there is a high risk of improper use. Typical areas of application: interior doors of office buildings open to the general public.



Class 4: STADIUM / PUBLIC TOILETS

- For use in doors that are frequently subjected to violence or damage. Typical areas of application are Cricket & Football stadium, barracks or public toilets.

Even though door handles are subject to fashion trends, there are still number of classics or even archetype which can have an aesthetically striking effect on the first contact with a building. Hettich focuses on timeless and functional classics in its product range. They are always available for profile frame doors too (OVR oval rosette handle) and as protective door handle sets.



ProLock-100 Archetype: U-shaped handle

- A classic with value added: the advantage of the u-shaped handle lies in the second 90 degree bend. It was used traditionally to prevent people or material from getting "threaded on". The rear bend helps to prevent shopping bags or coat sleeves from getting caught in the handle. The u-shaped handle also has comfort qualities, because the rear turn supports the ball of the hand when opening the door. Hettich has the u-shaped handle in its product range as factory design draft ProLock-110.



ProLock-200 Archetype: Frankfurt standard L-shape handle

- In their efforts to lower house construction prices and rents in the 1920s, many architects became involved with the standardization of construction components. The ProLock-200 is a variation of the draft that once made a name for itself as the Frankfurt standard handle where a round rod was bent to 90 degrees and positioned on a simple rosette. All of the Frankfurt versions are based on the idea of the right angle. Hettich has included the Frankfurt standard handle in its product range in a high-quality modern interpretation as factory design draft ProLock-210.



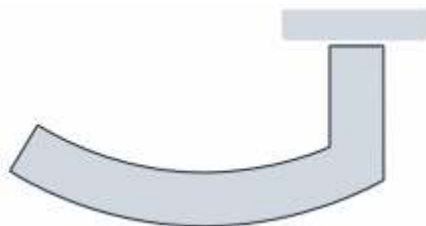
ProLock-300 Archetype: Frankfurt mitred handle

- The ProLock-300 is a variation of a geometric handle draft design from the 1920s which stands out through the legible simplicity of the construction: a circular tube is separated with a mitred cut before the two halves are joined together again at right angles. This handle was given the attribute "Frankfurt" not only through its close geometric relationship with the Frankfurt standard handle but also because it was used when the Frankfurt Architecture Museum was built. Hettich has included its interpretation of the Frankfurt mitred handle in its product range as factory design draft ProLock-310.



ProLock-400 Archetype: Ulm handle

- Made for getting to grips with! The archetype of this u-shaped handle was named after the Ulm School of Design where it was first used in the 1950s. The draft was based at the time on the door handles of the trains run by the Swiss railway. Hettich reworked the Ulm handle with its own factory design version ProLock-400.



ProLock-500 Archetype: Hand-shape handle

- As far as the typology is concerned, this handle constitutes a connection between the Frankfurt mitred handle and the Ulm handle. The design of this factory design draft ProLock-500 is discreet, easy to grip and orientated towards the direction of movement.

ProLock 4 - Premium handles with ball-bearing technology

ProLock 4

ProLock 4 –bearing

These high-end project handles are characterized by an industrial ball bearing. The precise and maintenance free ball bearing technology ensures a well-balanced system. Additionally the flex-bearing, lying inside the ball bearing unit, balances uneven door surfaces for up to 3 degree. This premium and innovative solution will meet all standards for private or public doors.

- EN 1906, class 4
- With spring and 90 degree carrier
- Patented flex-bearing unit
- 1 million cycle tested

ProLock 3 - Handles with friction bearing technology

ProLock 3

ProLock 3–bearing

The main characteristic of this handle is a maintenance free nylon bearing that is floating on the steel base rose and balancing radial and axial free-play. This class 4 handle bearing can be used on doors with high frequency and a potential for violent usage such as in schools or Cricket & Football stadium.

- EN 1906, class 4
- Unsprung
- 200,000 cycle tested

ProLock 2 - Handles with standard friction bearing technology

ProLock 2

ProLock 2 –bearing

The bearing made of glass fiber reinforced nylon is guiding the handle axial as well as radial. A wave spring is compensating angular tolerances. A perfect and certified price/performance ratio for frequently used handles in all kind of buildings.

- EN 1906, class 3
- With spring
- 200,000 test cycles

ProLock 1 - Handles with standard friction bearing technology

ProLock 1

ProLock 1 –bearing

The steel base rose and return spring ensure a proper and stable fixing on the door. The economic bearing is perfect for interior doors in public buildings or private

- With spring
- 200,000 internal test cycles

All Mortise locking system has three components i.e. Mortise Handle, Mortise Lock Body and Euro Profile Cylinder. Hettich provides you with an option to choose all three according to application and aesthetic.

Hettich Mortise locking system:



Prolock handles: PZ and WC Sets

As mentioned in the Price List, each handle is having two versions with two Article codes as per below :

Product Image	Description (Height x Width)	Finish	Unit	Article no.	PU
	ProLock 3 HH 510 Handle + Handle set SS	Stainless Steel	Set	9 227 940	01
	ProLock 3 HH 510 Handle + WC Bathroom set SS	Stainless Steel	Set	9 227 943	01

What is Handle + handle set and Handle + WC bathroom Set?

The PZ version handles are used for all the locking solutions in which Euro profile cylinders are used for key Locking

PZ version Mortise handle

- For use with Sash Lock, Latch Lock, Night Latch Lock and Panic Lock bodies
- Set comprises of set of Handles, Set f PZ escutcheon and fixing material
- Widely used version of handle
- Available in all handle shapes



The WC version handles are used for bathroom or privacy doors with bathroom handles

WC version Mortise handle

- For use with **only** Bathroom Lockbody
- Set comprises of set of Handles, Set of WC escutcheon with indicator and fixing material
- Less used version of handle mostly where WC escutcheon with indicator is required
- Available in all handle shapes



Rosette handles



- Classic for apartment doors is the two-piece rosette handle which is available with a handle or a round or flat knob. The rosette that goes with it comes in warded lock, oval hole or profile cylinder versions.

Oval rosette handles



- Oval rosettes are used on profile frame doors made of steel, plastic or aluminium. They permit the mounting of the handle onto narrow frame profiles which conceal the risk of hand injuries, which is why the use of offset handles is recommended.

Long and short plate handles



- With long and short plate handles, the handle and keyhole are covered by a single continuous plate. This combination provides additional hold for the handle on the door and additional screw attachment options. This makes these handles suitable for high levels of wear and tear, such as in schools.

Protective handles



- Protective handles on exterior doors provide the prerequisites for break-in security. They are bolted through the door, thus providing good break-in protection. The standard DIN 18257 splits protective handles into resistance classes from ES 0 to ES 3, whereby ES 3 covers protective handles which are extremely resistant to break-ins. Available with an optional cylinder protection system

Window handles



- Hettich offers a range of window handles to match its programme of classical door handles. This guarantees that houses and apartments can be fitted out in a uniform language in high-grade stainless steel with a satin surface.

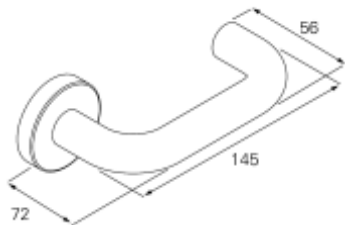
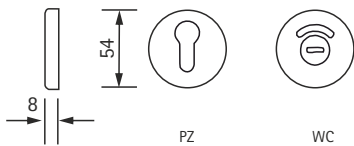
ProLock 4 HH 110



Product characteristics

- With 8 mm spindle
- Maintenance-free ball bearing
- With Fixable bearing with Restoring spring
- Steel base with positioning studs
- Concealed through-screw technology
- Left / Right same version
- User category: Class 4
- Door Material: Steel, Wooden, Profile Framed
- Handle Material: Stainless steel & Finish : Stainless steel satin

Approved & Certified Product:



Dimensions: ProLock 4 HH 110

S.no.	Description	Unit	Article No.	PU
1	ProLock 4 HH 110 Handle + Handle set	Set	9 227 864	01
2	ProLock 4 HH 110 Handle + WC Bathroom set	Set	9 227 867	01

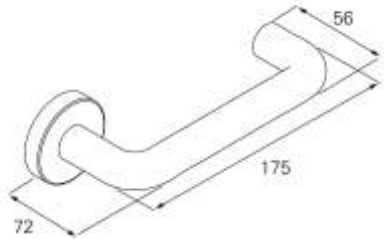
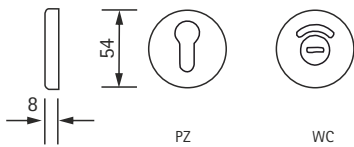
ProLock 4 HH 190



Product characteristics

- With 8 mm spindle
- Maintenance-free ball bearing
- With Fixable bearing with Restoring spring
- Steel base with positioning studs
- Concealed through-screw technology
- Left / Right same version
- User category: Class 4
- Door Material: Steel, Wooden, Profile Framed
- Handle Material: Stainless steel & Finish : Stainless steel satin

Approved & Certified Product:



Dimensions: ProLock 4 HH 190

S.no.	Description	Unit	Article No.	PU
1	ProLock 4 HH 190 Handle + Handle set	Set	9 227 868	01
2	ProLock 4 HH 190 Handle + WC Bathroom set	Set	9 227 871	01

ProLock 4 HH 310

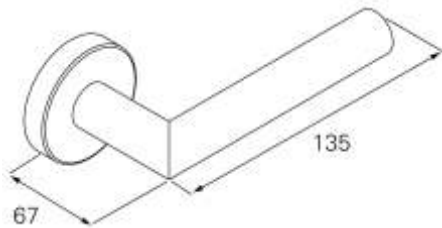
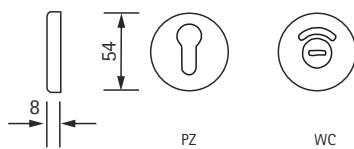


Product characteristics

- With 8 mm spindle
- Maintenance-free ball bearing
- With Fixable bearing with Restoring spring
- Steel base with positioning studs
- Concealed through-screw technology
- Left / Right same version
- User category: Class 4
- Door Material: Steel, Wooden, Profile Framed
- Handle Material: Stainless steel & Finish : Stainless steel satin

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Dimensions: ProLock 4 HH 310

S.no.	Description	Unit	Article No.	PU
1	ProLock 4 HH 310 Handle + Handle set	Set	9 227 872	01
2	ProLock 4 HH 310 Handle + WC Bathroom set	Set	9 227 875	01

ProLock 4 HH 330



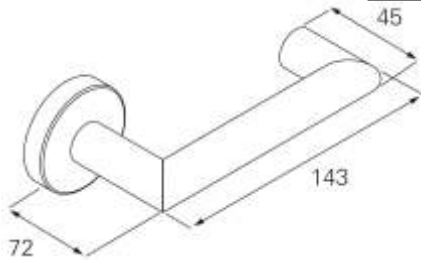
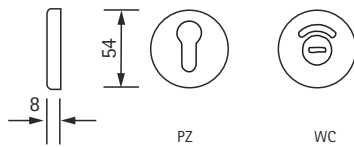
Product characteristics

- With 8 mm spindle
- Maintenance-free ball bearing
- With Fixable bearing with Restoring spring
- Steel base with positioning studs
- Concealed through-screw technology
- Left / Right same version
- User category: Class 4
- Door Material: Steel, Wooden, Profile Framed
- Handle Material: Stainless steel & Finish : Stainless steel satin

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Dimensions: ProLock 4 HH 330

S.no.	Description	Unit	Article No.	PU
1	ProLock 4 HH 330 Handle + Handle set	Set	9 227 876	01
2	ProLock 4 HH 330 Handle + WC Bathroom set	Set	9 227 879	01

ProLock 4 HH 410



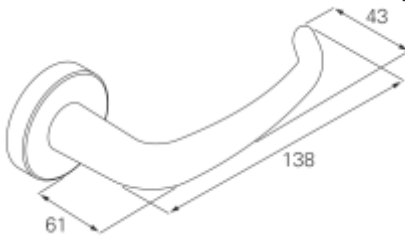
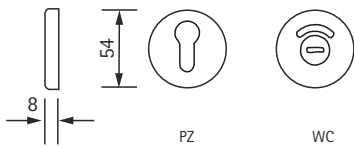
Product characteristics

- With 8 mm spindle
- Maintenance-free ball bearing
- With Fixable bearing with Restoring spring
- Steel base with positioning studs
- Concealed through-screw technology
- Left / Right same version
- User category: Class 4
- Door Material: Steel, Wooden, Profile Framed
- Handle Material: Stainless steel & Finish : Stainless steel satin

Approved & Certified Product:

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SS



Dimensions: ProLock 4 HH 410

S.no.	Description	Unit	Article No.	PU
1	ProLock 4 HH 410 Handle + Handle set	Set	9 227 880	01
2	ProLock 4 HH 410 Handle + WC Bathroom set	Set	9 227 883	01

ProLock 4 HH 490



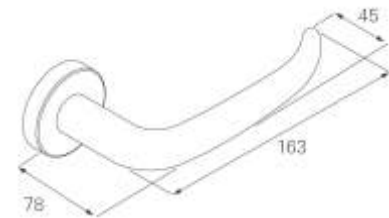
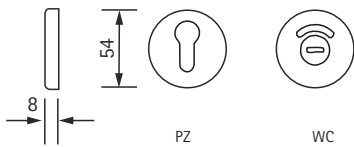
Product characteristics

- With 8 mm spindle
- Maintenance-free ball bearing
- With Fixable bearing with Restoring spring
- Steel base with positioning studs
- Concealed through-screw technology
- Left / Right same version
- User category: Class 4
- Door Material: Steel, Wooden, Profile Framed
- Handle Material: Stainless steel & Finish : Stainless steel satin

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SS



Dimensions: ProLock 4 HH 490

S.no.	Description	Unit	Article No.	PU
1	ProLock 4 HH 490 Handle + Handle set	Set	9 227 884	01
2	ProLock 4 HH 490 Handle + WC Bathroom set	Set	9 227 887	01

ProLock 4 HH 510



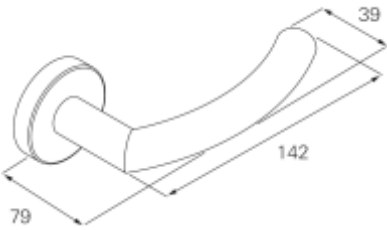
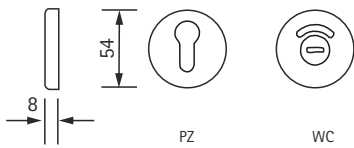
Product characteristics

- With 8 mm spindle
- Maintenance-free ball bearing
- With Fixable bearing with Restoring spring
- Steel base with positioning studs
- Concealed through-screw technology
- Left / Right same version
- User category: Class 4
- Door Material: Steel, Wooden, Profile Framed
- Handle Material: Stainless steel & Finish : Stainless steel satin

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SS



Dimensions: ProLock 4 HH 510

S.no.	Description	Unit	Article No.	PU
1	ProLock 4 HH 510 Handle + Handle set	Set	9 227 888	01
2	ProLock 4 HH 510 Handle + WC Bathroom set	Set	9 227 891	01

ProLock 4 HH 110 (L)



Product characteristics

- With 8 mm spindle
- Maintenance-free ball bearing
- With Fixable bearing with Restoring spring
- Steel base with positioning studs
- Concealed through-screw technology
- Left / Right same version
- User category: Class 4
- Door Material: Steel, Wooden, Profile Framed
- Handle Material: Stainless steel & Finish : Stainless steel satin

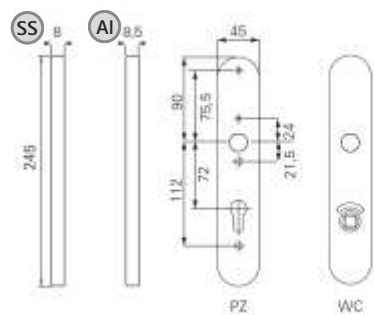
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S.no.	Description	Unit	Article No.	PU
	For Handle material: Stainless Steel			
1	ProLock 4 HH 110 Long plate Handle + Long plate Handle set	Set	9 227 892	01
2	ProLock 4 HH 110 Long plate Handle + Long plate WC Bathroom set	Set	9 227 894	01

AI

S.no.	Description	Unit	Article No.	PU
	For Handle material: Aluminium			
1	ProLock 4 HH 110 Long plate Handle + Long plate Handle set	Set	9 227 904	01
2	ProLock 4 HH 110 Long plate Handle + Long plate WC Bathroom set	Set	9 227 906	01

ProLock 4 HH 310 (L)



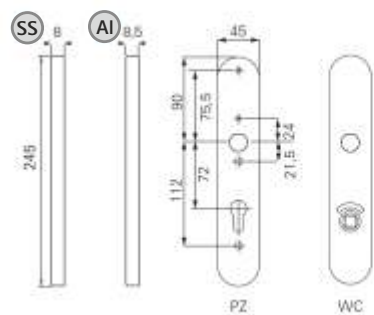
Product characteristics

- With 8 mm spindle
- Maintenance-free ball bearing
- With Fixable bearing with Restoring spring
- Steel base with positioning studs
- Concealed through-screw technology
- Left / Right same version
- User category: Class 4
- Door Material: Steel, Wooden, Profile Framed
- Handle Material: Stainless steel & Finish : Stainless steel satin

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S.no.	Description	Unit	Article No.	PU
For Handle material: Stainless Steel				
1	ProLock 4 HH 310 Long plate Handle + Long plate Handle set	Set	9 227 895	01
2	ProLock 4 HH 310 Long plate Handle + Long plate WC Bathroom set	Set	9 227 897	01

AI

S.no.	Description	Unit	Article No.	PU
For Handle material: Aluminium				
1	ProLock 4 HH 310 Long plate Handle + Long plate Handle set	Set	9 227 907	01
2	ProLock 4 HH 310 Long plate Handle + Long plate WC Bathroom set	Set	9 227 909	01

ProLock 4 HH 330 (L)



Product characteristics

- With 8 mm spindle
- Maintenance-free ball bearing
- With Fixable bearing with Restoring spring
- Steel base with positioning studs
- Concealed through-screw technology
- Left / Right same version
- User category: Class 4
- Door Material: Steel, Wooden, Profile Framed
- Handle Material: Stainless steel & Finish : Stainless steel satin

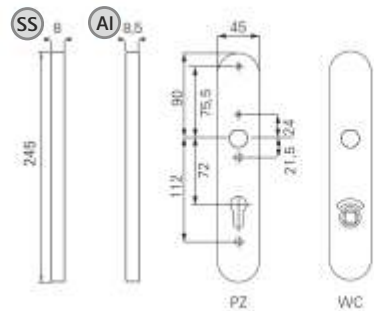
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S.no.	Description	Unit	Article No.	PU
For Handle material: Stainless Steel				
1	ProLock 4 HH 330 Long plate Handle + Long plate Handle set	Set	9 227 898	01
2	ProLock 4 HH 330 Long plate Handle + Long plate WC Bathroom set	Set	9 227 900	01

AI

S.no.	Description	Unit	Article No.	PU
For Handle material: Aluminium				
1	ProLock 4 HH 330 Long plate Handle + Long plate Handle set	Set	9 227 910	01
2	ProLock 4 HH 330 Long plate Handle + Long plate WC Bathroom set	Set	9 227 912	01

ProLock 4 HH 410 (L)



Product characteristics

- With 8 mm spindle
- Maintenance-free ball bearing
- With Fixable bearing with Restoring spring
- Steel base with positioning studs
- Concealed through-screw technology
- Left / Right same version
- User category: Class 4
- Door Material: Steel, Wooden, Profile Framed
- Handle Material: Stainless steel & Finish : Stainless steel satin

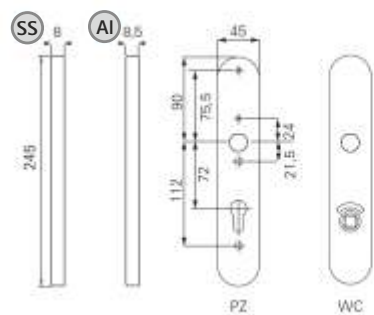
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S.no.	Description	Unit	Article No.	PU
	For Handle material: Stainless Steel			
1	ProLock 4 HH 410 Long plate Handle + Long plate Handle set	Set	9 227 901	01
2	ProLock 4 HH 410 Long plate Handle + Long plate WC Bathroom set	Set	9 227 903	01

Al

S.no.	Description	Unit	Article No.	PU
	For Handle material: Aluminium			
1	ProLock 4 HH 410 Long plate Handle + Long plate Handle set	Set	9 227 913	01
2	ProLock 4 HH 410 Long plate Handle + Long plate WC Bathroom set	Set	9 227 915	01

ProLock 3 HH 110



Product characteristics

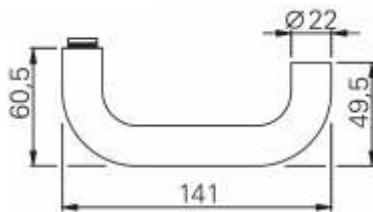
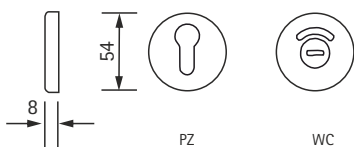
- With 8 mm spindle
 - Maintenance-free friction bearing with self-lubricating plastic.
 - Fixable bearing
 - Steel base with positioning studs
 - Unilateral fixed installation
 - Concealed through-screw technology
 - Left / Right same version
 - User category: Class 4
 - Door Material: Steel, Wooden
 - Finish : Stainless steel satin
- Approved & Certified Product:

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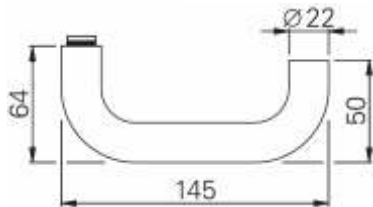
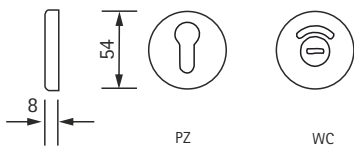
SS



Dimensions: ProLock 3 HH 110

S.no.	Description	Unit	Article No.	PU
	Material: Stainless steel Finish : Stainless steel satin			
1	ProLock 3 HH 110 Handle + Handle set	Set	9 227 916	01
2	ProLock 3 HH 110 Handle + WC Bathroom set	Set	9 227 919	01

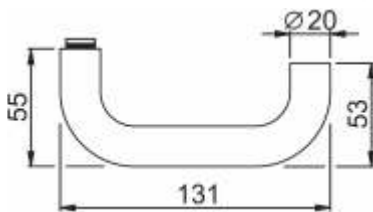
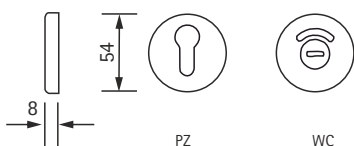
Al



Dimensions: ProLock 3 HH 110

S.no.	Description	Unit	Article No.	PU
	Material: Aluminium Finish : Aluminium anodised			
1	ProLock 3 HH 110 Handle + Handle set	Set	9 227 980	01
2	ProLock 3 HH 110 Handle + WC Bathroom set	Set	9 227 982	01

NY



- Black
- Dark grey
- White
- Red
- Blue

Dimensions: ProLock 3 HH 110

S.no.	Description	Unit	Article No.	PU
	Material: Nylon with steel core Finish : Shiny			
1	ProLock 3 HH 110 Handle + Handle set	Set	9 228 028	01
2	ProLock 3 HH 110 Handle + WC Bathroom set	Set	9 228 030	01

* Further colours in nylon on request

ProLock 3 HH 120



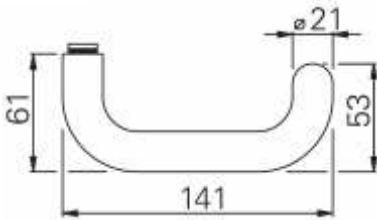
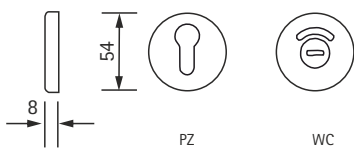
Product characteristics

- With 8 mm spindle
- Maintenance-free friction bearing with self-lubricating plastic.
- Fixable bearing
- Steel base with positioning studs
- Unilateral fixed installation
- Concealed through-screw technology
- Left / Right same version
- User category: Class 4
- Door Material: Steel, Wooden
- Finish : Stainless steel satin

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SS



Dimensions: ProLock 3 HH 120

S.no.	Description	Unit	Article No.	PU
	Material: Stainless steel Finish : Stainless steel satin			
1	ProLock 3 HH 120 Handle + Handle set	Set	9 227 920	01
2	ProLock 3 HH 120 Handle + WC Bathroom set	Set	9 227 923	01

ProLock 3 HH 210



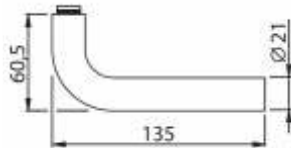
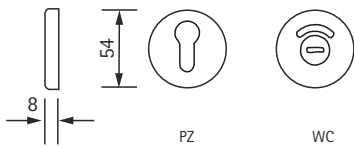
Product characteristics

- With 8 mm spindle
- Maintenance-free friction bearing with self-lubricating plastic.
- Fixable bearing
- Steel base with positioning studs
- Unilateral fixed installation
- Concealed through-screw technology
- Left / Right same version
- User category: Class 4
- Door Material: Steel, Wooden
- Finish : Stainless steel satin

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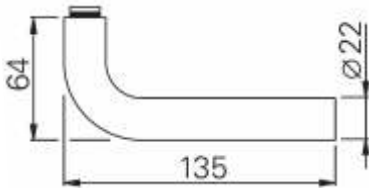
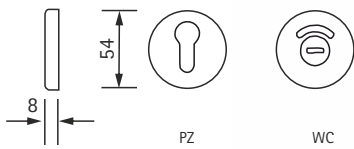
SS



Dimensions: ProLock 3 HH 210

S.no.	Description	Unit	Article No.	PU
Material: Stainless steel Finish : Stainless steel satin				
1	ProLock 3 HH 210 Handle + Handle set	Set	9 227 924	01
2	ProLock 3 HH 210 Handle + WC Bathroom set	Set	9 227 927	01

Al



Dimensions: ProLock 3 HH 210

S.no.	Description	Unit	Article No.	PU
Material: Aluminium Finish : Aluminium anodised				
1	ProLock 3 HH 210 Handle + Handle set	Set	9 227 983	01
2	ProLock 3 HH 210 Handle + WC Bathroom set	Set	9 227 985	01

ProLock 3 HH 310

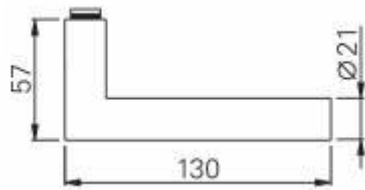
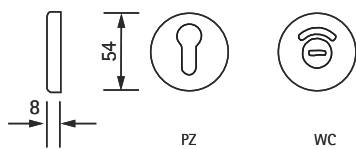


Product characteristics

- With 8 mm spindle
 - Maintenance-free friction bearing with self-lubricating plastic.
 - Fixable bearing
 - Steel base with positioning studs
 - Unilateral fixed installation
 - Concealed through-screw technology
 - Left / Right same version
 - User category: Class 4
 - Door Material: Steel, Wooden
 - Finish : Stainless steel satin
- Approved & Certified Product:

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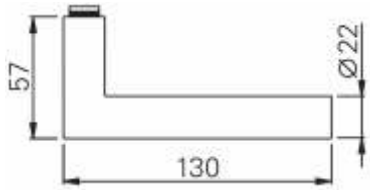
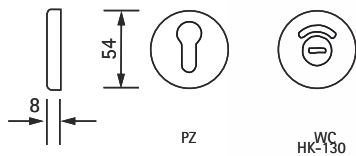
SS



Dimensions: ProLock 3 HH 310

S.no.	Description	Unit	Article No.	PU
	Material: Stainless steel Finish : Stainless steel satin			
1	ProLock 3 HH 310 Handle + Handle set	Set	9 227 928	01
2	ProLock 3 HH 310 Handle + WC Bathroom set	Set	9 227 931	01

Al



Dimensions: ProLock 3 HH 310

S.no.	Description	Unit	Article No.	PU
	Material: Aluminium Finish : Aluminium anodised			
1	ProLock 3 HH 310 Handle + Handle set	Set	9 227 986	01
2	ProLock 3 HH 310 Handle + WC Bathroom set	Set	9 227 988	01

ProLock 3 HH 330



Product characteristics

- With 8 mm spindle
- Maintenance-free friction bearing with self-lubricating plastic.
- Fixable bearing
- Steel base with positioning studs
- Unilateral fixed installation
- Concealed through-screw technology
- Left / Right same version
- User category: Class 4
- Door Material: Steel, Wooden
- Finish : Stainless steel satin

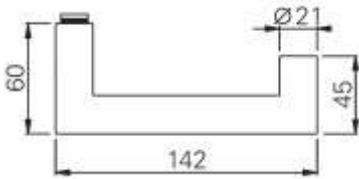
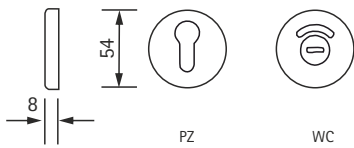
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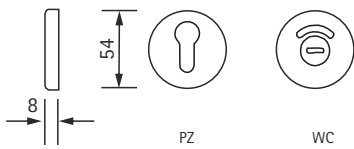
SS



Dimensions: ProLock 3 HH 330

S.no.	Description	Unit	Article No.	PU
	Material: Stainless steel Finish : Stainless steel satin			
1	ProLock 3 HH 330 Handle + Handle set	Set	9 227 932	01
2	ProLock 3 HH 330 Handle + WC Bathroom set	Set	9 227 935	01

Al



Dimensions: ProLock 3 HH 330

S.no.	Description	Unit	Article No.	PU
	Material: Aluminium Finish : Aluminium anodised			
1	ProLock 3 HH 330 Handle + Handle set	Set	9 227 989	01
2	ProLock 3 HH 330 Handle + WC Bathroom set	Set	9 227 991	01

ProLock 3 HH 410



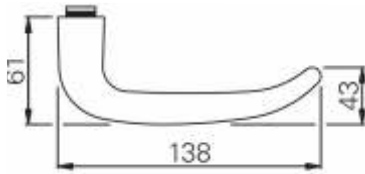
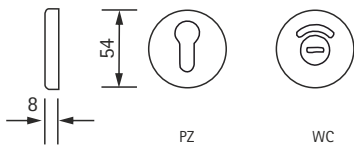
Product characteristics

- With 8 mm spindle
- Maintenance-free friction bearing with self-lubricating plastic.
- Fixable bearing
- Steel base with positioning studs
- Unilateral fixed installation
- Concealed through-screw technology
- Left / Right same version
- User category: Class 4
- Door Material: Steel, Wooden
- Finish : Stainless steel satin

Approved & Certified Product:

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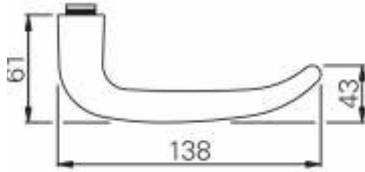
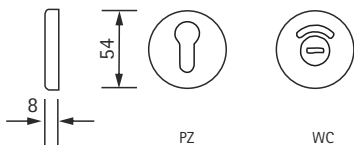
SS



Dimensions: ProLock 3 HH 410

S.no.	Description	Unit	Article No.	PU
	Material: Stainless steel Finish : Stainless steel satin			
1	ProLock 3 HH 410 Handle + Handle set	Set	9 227 936	01
2	ProLock 3 HH 410 Handle + WC Bathroom set	Set	9 227 939	01

Al



Dimensions: ProLock 3 HH 410

S.no.	Description	Unit	Article No.	PU
	Material: Aluminium Finish : Aluminium anodised			
1	ProLock 3 HH 410 Handle + Handle set	Set	9 227 992	01
2	ProLock 3 HH 410 Handle + WC Bathroom set	Set	9 227 994	01

ProLock 3 HH 510



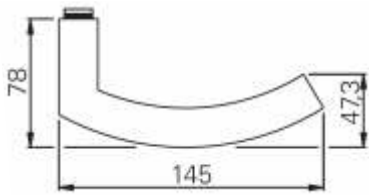
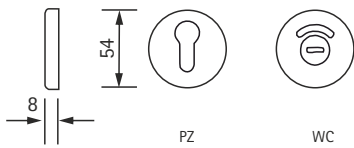
Product characteristics

- With 8 mm spindle
- Maintenance-free friction bearing with self-lubricating plastic.
- Fixable bearing
- Steel base with positioning studs
- Unilateral fixed installation
- Concealed through-screw technology
- Left / Right same version
- User category: Class 4
- Door Material: Steel, Wooden
- Finish : Stainless steel satin

EN 1906 **F**

Approved & Certified Product:

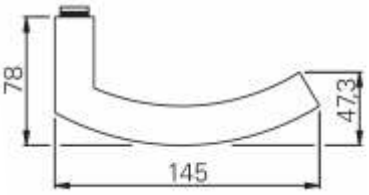
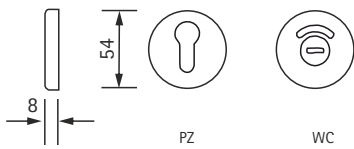
SS



Dimensions: ProLock 3 HH 510

S.no.	Description	Unit	Article No.	PU
	Material: Stainless steel Finish : Stainless steel satin			
1	ProLock 3 HH 510 Handle + Handle set	Set	9 227 940	01
2	ProLock 3 HH 510 Handle + WC Bathroom set	Set	9 227 943	01

Al



Dimensions: ProLock 3 HH 510

S.no.	Description	Unit	Article No.	PU
	Material: Aluminium Finish : Aluminium anodised			
1	ProLock 3 HH 510 Handle + Handle set	Set	9 227 995	01
2	ProLock 3 HH 510 Handle + WC Bathroom set	Set	9 227 997	01

ProLock 3 HH 110 (K)



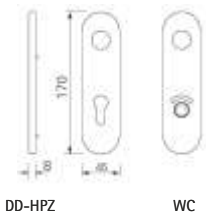
Product characteristics

- With 8 mm spindle
- Maintenance-free friction bearing with self-lubricating plastic.
- Fixable bearing
- Steel base with positioning studs
- Unilateral fixed installation
- Concealed through-screw technology
- Left / Right same version
- User category: Class 4
- Door Material: Steel, Wooden
- Finish : Stainless steel satin

Approved & Certified Product:

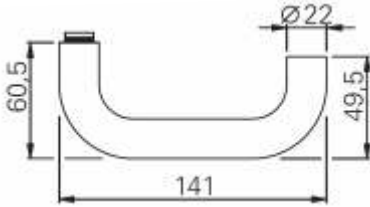
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SS



DD-HPZ

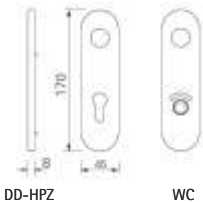
WC



Dimensions: ProLock 3 HH 110 (K)

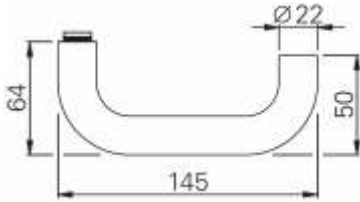
S.no.	Description	Unit	Article No.	PU
	Material: Stainless steel Finish : Stainless steel satin			
1	ProLock 3 HH 110 (K) Handle + Handle set	Set	9 227 944	01
2	ProLock 3 HH 110 (K) Handle + WC Bathroom set	Set	9 227 947	01

Al



DD-HPZ

WC



Dimensions: ProLock 3 HH 110 (K)

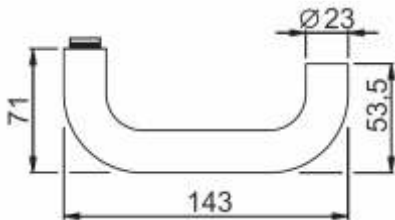
S.no.	Description	Unit	Article No.	PU
	Material: Aluminium Finish : Aluminium anodised			
1	ProLock 3 HH 110 (K) Handle + Handle set	Set	9 227 998	01
2	ProLock 3 HH 110 (K) Handle + WC Bathroom set	Set	9 228 000	01

NY



DD-HPZ

WC



Dimensions: ProLock 3 HH 110 (K)

- Black
- Dark grey
- White
- Red
- Blue

S.no.	Description	Unit	Article No.	PU
	Material: Nylon with steel core Finish : Shiny			
1	ProLock 3 HH 110 (K) Handle + Handle set	Set	9 228 031	01
2	ProLock 3 HH 110 (K) Handle + WC Bathroom set	Set	9 228 033	01

* Further colours in nylon on request

ProLock 3 HH 110 (L)



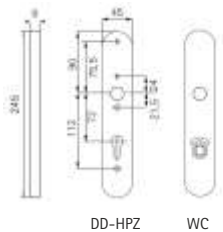
Product characteristics

- With 8 mm spindle
- Maintenance-free friction bearing with self-lubricating plastic.
- Fixable bearing
- Steel base with positioning studs
- Unilateral fixed installation
- Concealed through-screw technology
- Left / Right same version
- User category: Class 4
- Door Material: Steel, Wooden
- Finish : Stainless steel satin

Approved & Certified Product:

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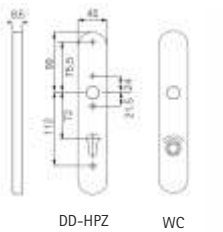


DD-HPZ

WC

S.no.	Description	Unit	Article No.	PU
	Material: Stainless steel Finish : Stainless steel satin			
1	ProLock 3 HH 110 (L) Handle + Handle set	Set	9 227 948	01
2	ProLock 3 HH 110 (L) Handle + WC Bathroom set	Set	9 227 950	01
100				

Al



DD-HPZ

WC

S.no.	Description	Unit	Article No.	PU
	Material: Aluminium Finish : Aluminium anodised			
1	ProLock 3 HH 110 (L) Handle + Handle set	Set	9 228 001	01
2	ProLock 3 HH 110 (L) Handle + WC Bathroom set	Set	9 228 003	01

ProLock 3 HH 210 (K)



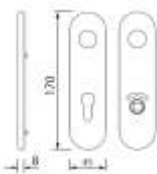
Product characteristics

- With 8 mm spindle
- Maintenance-free friction bearing with self-lubricating plastic.
- Fixable bearing
- Steel base with positioning studs
- Unilateral fixed installation
- Concealed through-screw technology
- Left / Right same version
- User category: Class 4
- Door Material: Steel, Wooden
- Finish : Stainless steel satin

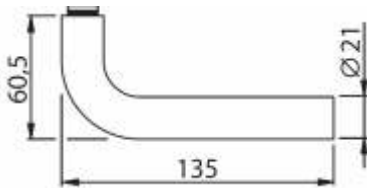
Approved & Certified Product:

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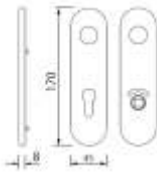
DD-HPZ WC



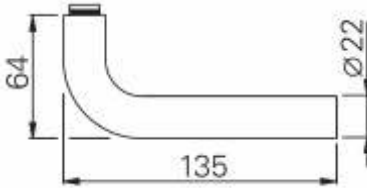
Dimensions: ProLock 3 HH 210 (K)

S.no.	Description	Unit	Article No.	PU
	Material: Stainless steel Finish : Stainless steel satin			
1	ProLock 3 HH 210 (K) Handle + Handle set	Set	9 227 951	01
2	ProLock 3 HH 210 (K) Handle + WC Bathroom set	Set	9 227 954	01

Al



DD-HPZ WC



Dimensions: ProLock 3 HH 210 (K)

S.no.	Description	Unit	Article No.	PU
	Material: Aluminium Finish : Aluminium anodised			
1	ProLock 3 HH 210 (K) Handle + Handle set	Set	9 228 004	01
2	ProLock 3 HH 210 (K) Handle + WC Bathroom set	Set	9 228 006	01

ProLock 3 HH 310 (K)



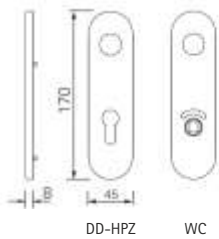
Product characteristics

- With 8 mm spindle
- Maintenance-free friction bearing with self-lubricating plastic.
- Fixable bearing
- Steel base with positioning studs
- Unilateral fixed installation
- Concealed through-screw technology
- Left / Right same version
- User category: Class 4
- Door Material: Steel, Wooden
- Finish : Stainless steel satin

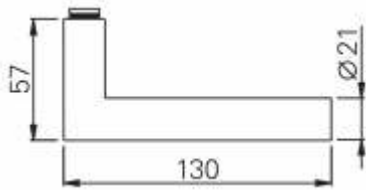
Approved & Certified Product:

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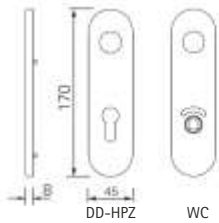
DD-HPZ WC



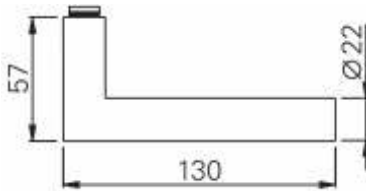
Dimensions: ProLock 3 HH 310 (K)

S.no.	Description	Unit	Article No.	PU
Material: Stainless steel Finish : Stainless steel satin				
1	ProLock 3 HH 310 (K) Handle + Handle set	Set	9 227 955	01
2	ProLock 3 HH 310 (K) Handle + WC Bathroom set	Set	9 227 958	01

Al



DD-HPZ WC



Dimensions: ProLock 3 HH 310 (K)

S.no.	Description	Unit	Article No.	PU
Material: Aluminium Finish : Aluminium anodised				
1	ProLock 3 HH 310 (K) Handle + Handle set	Set	9 228 007	01
2	ProLock 3 HH 310 (K) Handle + WC Bathroom set	Set	9 228 009	01

ProLock 3 HH 310 (L)



Product characteristics

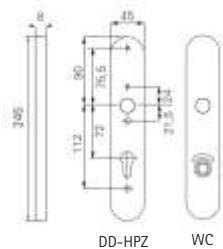
- With 8 mm spindle
- Maintenance-free friction bearing with self-lubricating plastic.
- Fixable bearing
- Steel base with positioning studs
- Unilateral fixed installation
- Concealed through-screw technology
- Left / Right same version
- User category: Class 4
- Door Material: Steel, Wooden
- Finish : Stainless steel satin

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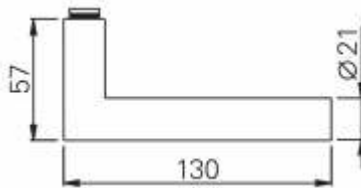


SS



DD-HPZ

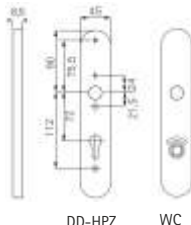
WC



Dimensions: ProLock 3 HH 310 (L)

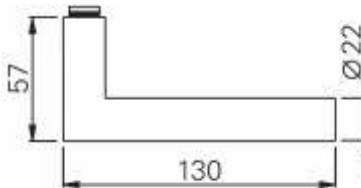
S.no.	Description	Unit	Article No.	PU
	Material: Stainless steel Finish : Stainless steel satin			
1	ProLock 3 HH 310 (L) Handle + Handle set	Set	9 227 959	01
2	ProLock 3 HH 310 (L) Handle + WC Bathroom set	Set	9 227 961	01

Al



DD-HPZ

WC



Dimensions: ProLock 3 HH 310 (L)

S.no.	Description	Unit	Article No.	PU
	Material: Aluminium Finish : Aluminium anodised			
1	ProLock 3 HH 310 (L) Handle + Handle set	Set	9 228 010	01
2	ProLock 3 HH 310 (L) Handle + WC Bathroom set	Set	9 228 012	01

ProLock 3 HH 330 (K)



Product characteristics

- With 8 mm spindle
- Maintenance-free friction bearing with self-lubricating plastic
- Fixable bearing
- Steel base with positioning studs
- Unilateral fixed installation
- Concealed through-screw technology
- Left/Right same version
- User category; Class 4
- Door Material: Steel, Wooden
- Finish: Stainless steel satin

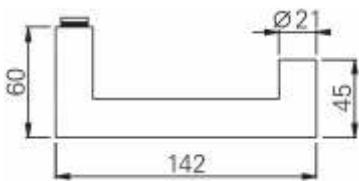
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DD-HPZ WC



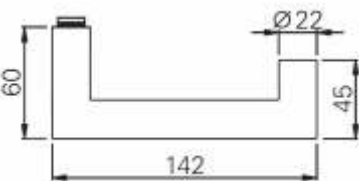
Dimensions: ProLock 3 HH 330 (K)

S.no.	Description	Unit	Article No.	PU
Material: Stainless steel Finish : Stainless steel satin				
1	ProLock 3 HH 330 (K) Handle + Handle set	Set	9 227 962	01
2	ProLock 3 HH 330 (K) Handle + WC Bathroom set	Set	9 227 965	01

Al



DD-HPZ WC



Dimensions: ProLock 3 HH 330 (K)

S.no.	Description	Unit	Article No.	PU
Material: Aluminium Finish : Aluminium anodised				
1	ProLock 3 HH 330 (K) Handle + Handle set	Set	9 228 013	01
2	ProLock 3 HH 330 (K) Handle + WC Bathroom set	Set	9 228 015	01

ProLock 3 HH 330 (L)

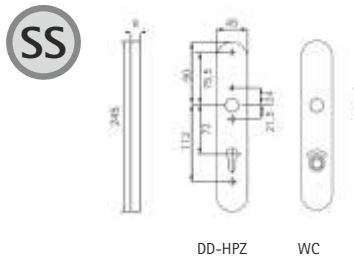


Product characteristics

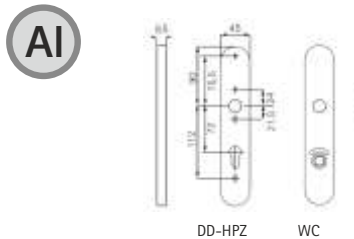
- With 8 mm spindle
- Maintenance-free friction bearing with self-lubricating plastic.
- Fixable bearing
- Steel base with positioning studs
- Unilateral fixed installation
- Concealed through-screw technology
- Left / Right same version
- User category: Class 4
- Door Material: Steel, Wooden
- Finish : Stainless steel satin

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S.no.	Description	Unit	Article No.	PU
	Material: Stainless steel Finish : Stainless steel satin			
1	ProLock 3 HH 330 (L) Handle + Handle set	Set	9 227 966	01
2	ProLock 3 HH 330 (L) Handle + WC Bathroom set	Set	9 227 968	01



S.no.	Description	Unit	Article No.	PU
	Material: Aluminium Finish : Aluminium anodised			
1	ProLock 3 HH 330 (L) Handle + Handle set	Set	9 228 016	01
2	ProLock 3 HH 330 (L) Handle + WC Bathroom set	Set	9 228 018	01

ProLock 3 HH 410 (K)



Product characteristics

- With 8 mm spindle
- Maintenance-free friction bearing with self-lubricating plastic.
- Fixable bearing
- Steel base with positioning studs
- Unilateral fixed installation
- Concealed through-screw technology
- Left / Right same version
- User category: Class 4
- Door Material: Steel, Wooden
- Finish : Stainless steel satin

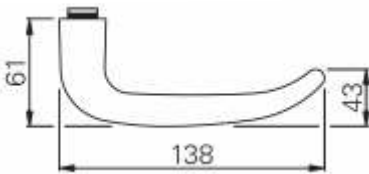
Approved & Certified Product:

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DD-HPZ WC



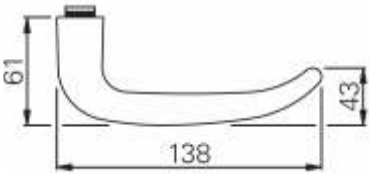
Dimensions: ProLock 3 HH 410 (K)

S.no.	Description	Unit	Article No.	PU
	Material: Stainless steel Finish : Stainless steel satin			
1	ProLock 3 HH 410 (K) Handle + Handle set	Set	9 227 969	01
2	ProLock 3 HH 410 (K) Handle + WC Bathroom set	Set	9 227 972	01

Al



DD-HPZ WC



Dimensions: ProLock 3 HH 410 (K)

S.no.	Description	Unit	Article No.	PU
	Material: Aluminium Finish : Aluminium anodised			
1	ProLock 3 HH 410 (K) Handle + Handle set	Set	9 228 019	01
2	ProLock 3 HH 410 (K) Handle + WC Bathroom set	Set	9 228 021	01

ProLock 3 HH 410 (L)



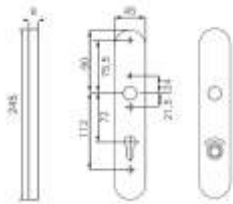
Product characteristics

- With 8 mm spindle
- Maintenance-free friction bearing with self-lubricating plastic.
- Fixable bearing
- Steel base with positioning studs
- Unilateral fixed installation
- Concealed through-screw technology
- Left / Right same version
- User category: Class 4
- Door Material: Steel, Wooden
- Finish : Stainless steel satin

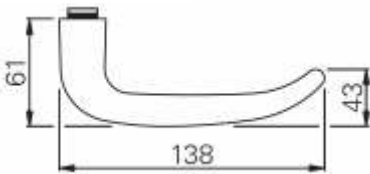
Approved & Certified Product:

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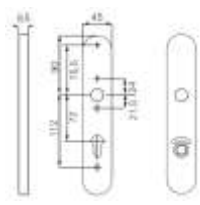
DD-HPZ WC



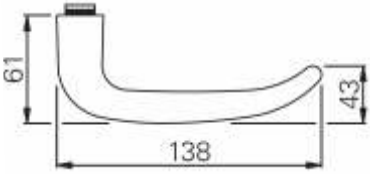
Dimensions: ProLock 3 HH 410 (L)

S.no.	Description	Unit	Article No.	PU
	Material: Stainless steel Finish : Stainless steel satin			
1	ProLock 3 HH 410 (L) Handle + Handle set	Set	9 227 973	01
2	ProLock 3 HH 410 (L) Handle + WC Bathroom set	Set	9 227 975	01

Al



DD-HPZ WC



Dimensions: ProLock 3 HH 410 (L)

S.no.	Description	Unit	Article No.	PU
	Material: Aluminium Finish : Aluminium anodised			
1	ProLock 3 HH 410 (L) Handle + Handle set	Set	9 228 022	01
2	ProLock 3 HH 410 (L) Handle + WC Bathroom set	Set	9 228 024	01

ProLock 3 HH 510 (K)



Product characteristics

- With 8 mm spindle
- Maintenance-free friction bearing with self-lubricating plastic.
- Fixable bearing
- Steel base with positioning studs
- Unilateral fixed installation
- Concealed through-screw technology
- Left / Right same version
- User category: Class 4
- Door Material: Steel, Wooden
- Finish : Stainless steel satin

Approved & Certified Product:

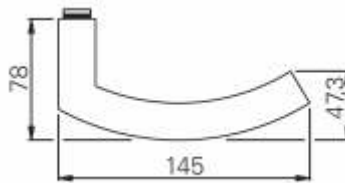
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DD-HPZ WC



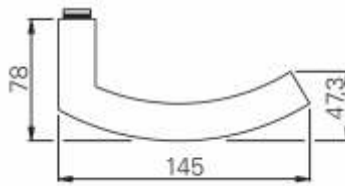
Dimensions: ProLock 3 HH 510 (K)

S.no.	Description	Unit	Article No.	PU
	Material: Stainless steel Finish : Stainless steel satin			
1	ProLock 3 HH 510 (K) Handle + Handle set	Set	9 227 976	01
2	ProLock 3 HH 510 (K) Handle + WC Bathroom set	Set	9 227 979	01

Al



DD-HPZ WC



Dimensions: ProLock 3 HH 510 (K)

S.no.	Description	Unit	Article No.	PU
	Material: Aluminium Finish : Aluminium anodised			
1	ProLock 3 HH 510 (K) Handle + Handle set	Set	9 228 025	01
2	ProLock 3 HH 510 (K) Handle + WC Bathroom set	Set	9 228 027	01

ProLock 3 HH 115 / O



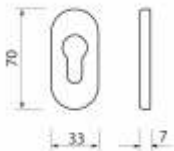
Product characteristics

- With 8 mm spindle
- Maintenance-free friction bearing with self-lubricating plastic.
- Fixable bearing
- Steel base with positioning studs
- Unilateral fixed installation
- Concealed through-screw technology
- Left / Right same version
- User category: Class 4
- Door Material: Steel, Wooden
- Finish : Stainless steel satin

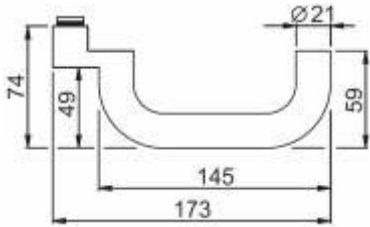
Approved & Certified Product:

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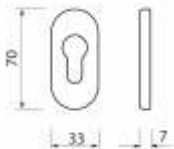
HPZ



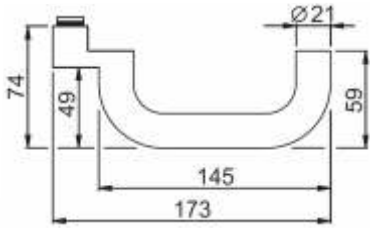
Dimensions: ProLock 3 HH 115 / O

S.no.	Description	Unit	Article No.	PU
	Material: Stainless steel Finish : Stainless steel satin			
1	ProLock 3 HH 115 Handle + Handle set	Set	9 228 034	01

Al



HPZ



Dimensions: ProLock 3 HH 115 / O

S.no.	Description	Unit	Article No.	PU
	Material: Aluminium Finish : Aluminium anodised			
1	ProLock 3 HH 115 Handle + Handle set	Set	9 228 050	01

ProLock 3 HH 116 / O

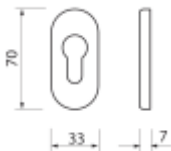


Product characteristics

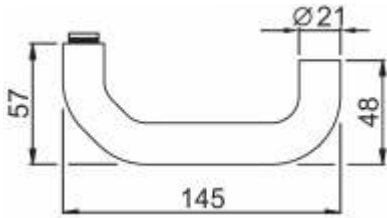
- With 8 mm spindle
 - Maintenance-free friction bearing with self-lubricating plastic.
 - Fixable bearing
 - Steel base with positioning studs
 - Unilateral fixed installation
 - Concealed through-screw technology
 - Left / Right same version
 - User category: Class 4
 - Door Material: Steel, Wooden
 - Finish : Stainless steel satin
- Approved & Certified Product:

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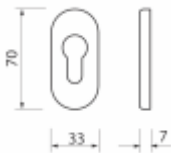
HPZ



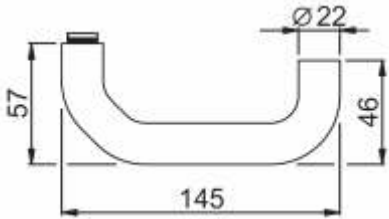
Dimensions: ProLock 3 HH 116 / O

S.no.	Description	Unit	Article No.	PU
	Material: Stainless steel Finish : Stainless steel satin			
1	ProLock 3 HH 116 Handle + Handle set	Set	9 228 036	01

Al



HPZ



Dimensions: ProLock 3 HH 116 / O

S.no.	Description	Unit	Article No.	PU
	Material: Aluminium Finish : Aluminium anodised			
1	ProLock 3 HH 116 Handle + Handle set	Set	9 228 052	01

ProLock 3 HH 310 / O



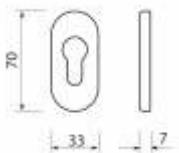
Product characteristics

- With 8 mm spindle
- Maintenance-free friction bearing with self-lubricating plastic.
- Fixable bearing
- Steel base with positioning studs
- Unilateral fixed installation
- Concealed through-screw technology
- Left / Right same version
- User category: Class 4
- Door Material: Steel, Wooden
- Finish : Stainless steel satin

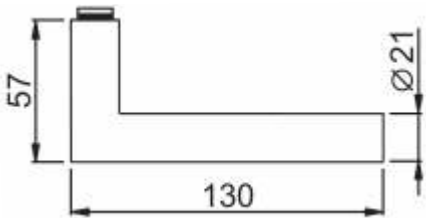
Approved & Certified Product:

EN 1906 **F**

SS



HPZ



Dimensions: ProLock 3 HH 310 / O

S.no.	Description	Unit	Article No.	PU
	Material: Stainless steel Finish : Stainless steel satin			
1	ProLock 3 HH 310 Handle + Handle set	Set	9 228 038	01

ProLock 3 HH 315 / O



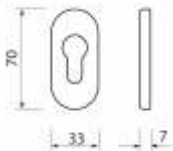
Product characteristics

- With 8 mm spindle
- Maintenance-free friction bearing with self-lubricating plastic.
- Fixable bearing
- Steel base with positioning studs
- Unilateral fixed installation
- Concealed through-screw technology
- Left / Right same version
- User category: Class 4
- Door Material: Steel, Wooden
- Finish : Stainless steel satin

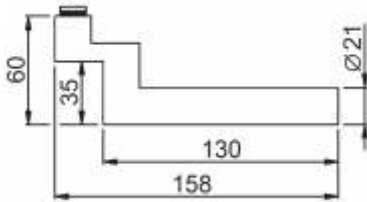
Approved & Certified Product:

EN 1906 **F**

SS



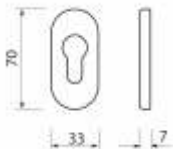
HPZ



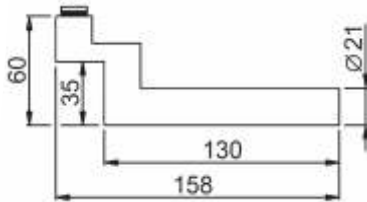
Dimensions: ProLock 3 HH 315 / O

S.no.	Description	Unit	Article No.	PU
	Material: Stainless steel Finish : Stainless steel satin			
1	ProLock 3 HH 315 Handle + Handle set	Set	9 228 040	01

Al



HPZ



Dimensions: ProLock 3 HH 315 / O

S.no.	Description	Unit	Article No.	PU
	Material: Aluminium Finish : Aluminium anodised			
1	ProLock 3 HH 315 Handle + Handle set	Set	9 228 054	01

ProLock 3 HH 335 / O

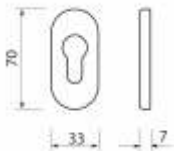


Product characteristics

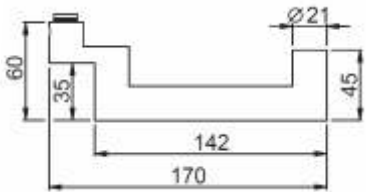
- With 8 mm spindle
 - Maintenance-free friction bearing with self-lubricating plastic.
 - Fixable bearing
 - Steel base with positioning studs
 - Unilateral fixed installation
 - Concealed through-screw technology
 - Left / Right same version
 - User category: Class 4
 - Door Material: Steel, Wooden
 - Finish : Stainless steel satin
- Approved & Certified Product:

EN 1906 EN 179 F

SS



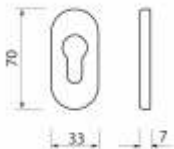
HPZ



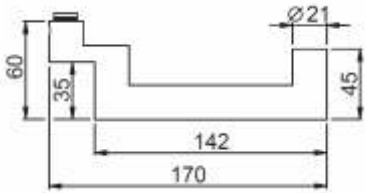
Dimensions: ProLock 3 HH 335 / O

S.no.	Description	Unit	Article No.	PU
	Material: Stainless steel Finish : Stainless steel satin			
1	ProLock 3 HH 335 Handle + Handle set	Set	9 228 042	01

Al



HPZ



Dimensions: ProLock 3 HH 335 / O

S.no.	Description	Unit	Article No.	PU
	Material: Aluminium Finish : Aluminium anodised			
1	ProLock 3 HH 335 Handle + Handle set	Set	9 228 056	01

ProLock 3 HH 410 / O



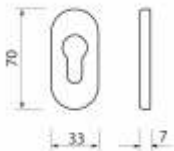
Product characteristics

- ▶ With 8 mm spindle
- ▶ Maintenance-free friction bearing with self-lubricating plastic.
- ▶ Fixable bearing
- ▶ Steel base with positioning studs
- ▶ Unilateral fixed installation
- ▶ Concealed through-screw technology
- ▶ Left / Right same version
- ▶ User category: Class 4
- ▶ Door Material: Steel, Wooden
- ▶ Finish : Stainless steel satin

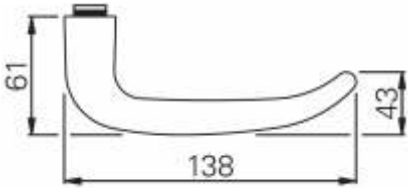
Approved & Certified Product:

EN 1906 EN 179  F

SS



HPZ



Dimensions: ProLock 3 HH 410 / O

S.no.	Description	Unit	Article No.	PU
	Material: Stainless steel Finish : Stainless steel satin			
1	ProLock 3 HH 410 Handle + Handle set	Set	9 228 044	01

ProLock 3 HH 415 / O



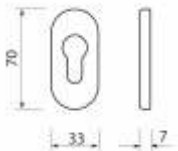
Product characteristics

- ▶ With 8 mm spindle
- ▶ Maintenance-free friction bearing with self-lubricating plastic.
- ▶ Fixable bearing
- ▶ Steel base with positioning studs
- ▶ Unilateral fixed installation
- ▶ Concealed through-screw technology
- ▶ Left / Right same version
- ▶ User category: Class 4
- ▶ Door Material: Steel, Wooden
- ▶ Finish : Stainless steel satin

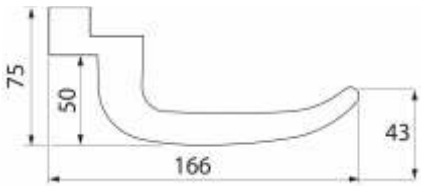
Approved & Certified Product:

EN 1906 EN 179  F

SS



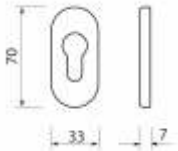
HPZ



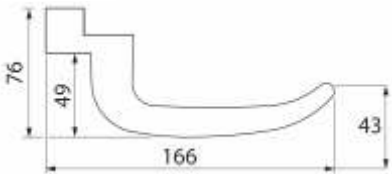
Dimensions: ProLock 3 HH 415 / O

S.no.	Description	Unit	Article No.	PU
	Material: Stainless steel Finish : Stainless steel satin			
1	ProLock 3 HH 415 Handle + Handle set	Set	9 228 046	01

Al



HPZ



Dimensions: ProLock 3 HH 415 / O

S.no.	Description	Unit	Article No.	PU
	Material: Aluminium Finish : Aluminium anodised			
1	ProLock 3 HH 415 Handle + Handle set	Set	9 228 058	01

ProLock 3 HH 515 / O

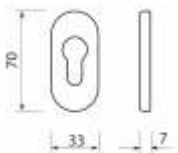


Product characteristics

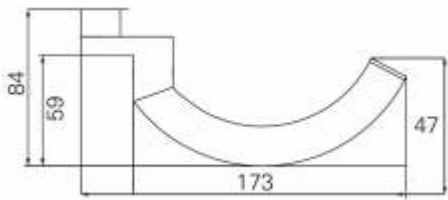
- ▶ With 8 mm spindle
 - ▶ Maintenance-free friction bearing with self-lubricating plastic.
 - ▶ Fixable bearing
 - ▶ Steel base with positioning studs
 - ▶ Unilateral fixed installation
 - ▶ Concealed through-screw technology
 - ▶ Left / Right same version
 - ▶ User category: Class 4
 - ▶ Door Material: Steel, Wooden
 - ▶ Finish : Stainless steel satin
- Approved & Certified Product:

EN 1906 EN 179  F

SS



HPZ



Dimensions: ProLock 3 HH 515 / O

S.no.	Description	Unit	Article No.	PU
	Material: Stainless steel Finish : Stainless steel satin			
1	ProLock 3 HH 515 Handle + Handle set	Set	9 228 048	01

ProLock 2 HH 110



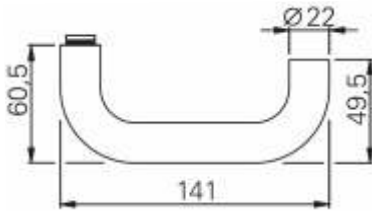
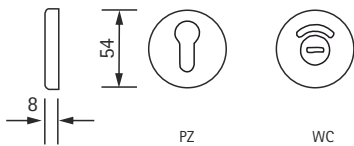
Product characteristics

- With 8 mm spindle
- Maintenance-free friction bearing with self-lubricating plastic.
- Fixable bearing
- Steel base with positioning studs
- Unilateral fixed installation
- Concealed through-screw technology
- Left / Right same version
- User category: Class 3
- Door Material: Steel, Wooden
- Finish : Stainless steel satin

Approved & Certified Product:

EN 1906

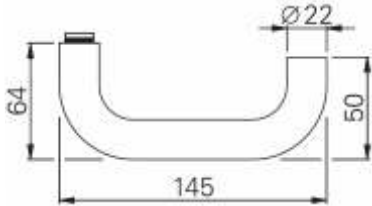
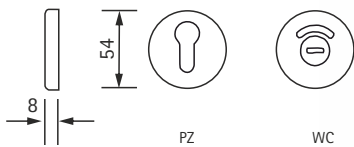
SS



Dimensions: ProLock 2 HH 110

S.no.	Description	Unit	Article No.	PU
	Material: Stainless steel Finish : Stainless steel satin			
1	ProLock 2 HH 110 Handle + Handle set	Set	9 228 066	01
2	ProLock 2 HH 110 Handle + WC Bathroom set	Set	9 228 068	01

Al



Dimensions: ProLock 2 HH 110

S.no.	Description	Unit	Article No.	PU
	Material: Aluminium Finish : Aluminium anodised			
1	ProLock 2 HH 110 Handle + Handle set	Set	9 228 084	01
2	ProLock 2 HH 110 Handle + WC Bathroom set	Set	9 228 086	01

ProLock 2 HH 120



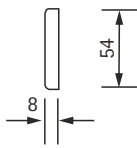
Product characteristics

- With 8 mm spindle
- Maintenance-free friction bearing with self-lubricating plastic.
- Fixable bearing
- Steel base with positioning studs
- Unilateral fixed installation
- Concealed through-screw technology
- Left / Right same version
- User category: Class 3
- Door Material: Steel, Wooden
- Finish : Stainless steel satin

Approved & Certified Product:

EN 1906

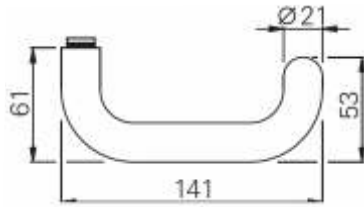
SS



PZ



WC



Dimensions: ProLock 2 HH 120

S.no.	Description	Unit	Article No.	PU
	Material: Stainless steel Finish : Stainless steel satin			
1	ProLock 2 HH 120 Handle + Handle set	Set	9 228 069	01
2	ProLock 2 HH 120 Handle + WC Bathroom set	Set	9 228 071	01

ProLock 2 HH 210



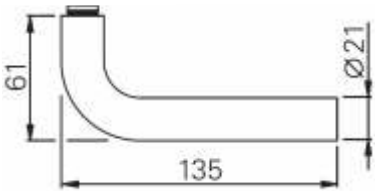
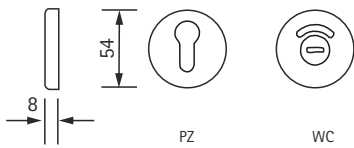
Product characteristics

- With 8 mm spindle
- Maintenance-free friction bearing with self-lubricating plastic.
- Fixable bearing
- Steel base with positioning studs
- Unilateral fixed installation
- Concealed through-screw technology
- Left / Right same version
- User category: Class 3
- Door Material: Steel, Wooden
- Finish : Stainless steel satin

Approved & Certified Product:

EN 1906

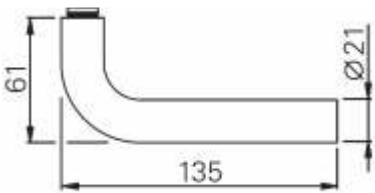
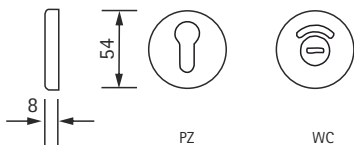
SS



Dimensions: ProLock 2 HH 210

S.no.	Description	Unit	Article No.	PU
	Material: Stainless steel Finish : Stainless steel satin			
1	ProLock 2 HH 210 Handle + Handle set	Set	9 228 072	01
2	ProLock 2 HH 210 Handle + WC Bathroom set	Set	9 228 074	01

Al



Dimensions: ProLock 2 HH 210

S.no.	Description	Unit	Article No.	PU
	Material: Aluminium Finish : Aluminium anodised			
1	ProLock 2 HH 210 Handle + Handle set	Set	9 228 087	01
2	ProLock 2 HH 210 Handle + WC Bathroom set	Set	9 228 089	01

ProLock 2 HH 310



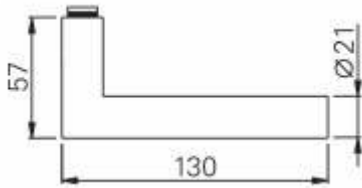
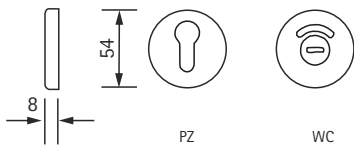
Product characteristics

- With 8 mm spindle
- Maintenance-free friction bearing with self-lubricating plastic.
- Fixable bearing
- Steel base with positioning studs
- Unilateral fixed installation
- Concealed through-screw technology
- Left / Right same version
- User category: Class 3
- Door Material: Steel, Wooden
- Finish : Stainless steel satin

Approved & Certified Product:

EN 1906

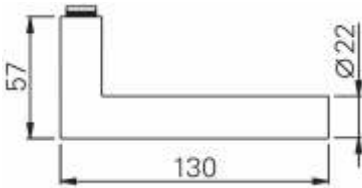
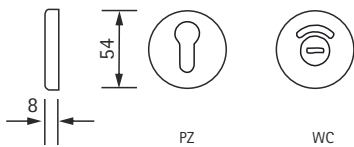
SS



Dimensions: ProLock 2 HH 310

S.no.	Description	Unit	Article No.	PU
	Material: Stainless steel Finish : Stainless steel satin			
1	ProLock 2 HH 310 Handle + Handle set	Set	9 228 075	01
2	ProLock 2 HH 310 Handle + WC Bathroom set	Set	9 228 077	01

Al



Dimensions: ProLock 2 HH 310

S.no.	Description	Unit	Article No.	PU
	Material: Aluminium Finish : Aluminium anodised			
1	ProLock 2 HH 310 Handle + Handle set	Set	9 228 090	01
2	ProLock 2 HH 310 Handle + WC Bathroom set	Set	9 228 092	01

ProLock 2 HH 410

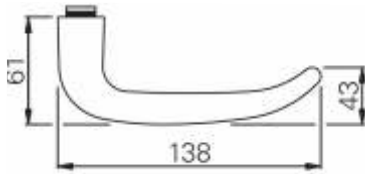
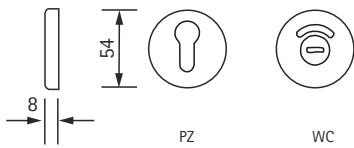


Product characteristics

- With 8 mm spindle
 - Maintenance-free friction bearing with self-lubricating plastic.
 - Fixable bearing
 - Steel base with positioning studs
 - Unilateral fixed installation
 - Concealed through-screw technology
 - Left / Right same version
 - User category: Class 3
 - Door Material: Steel, Wooden
 - Finish : Stainless steel satin
- Approved & Certified Product:

EN 1906

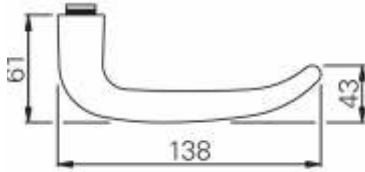
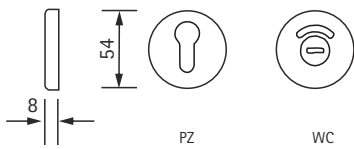
SS



Dimensions: ProLock 2 HH 410

S.no.	Description	Unit	Article No.	PU
	Material: Stainless steel Finish : Stainless steel satin			
1	ProLock 2 HH 410 Handle + Handle set	Set	9 228 078	01
2	ProLock 2 HH 410 Handle + WC Bathroom set	Set	9 228 080	

Al



Dimensions: ProLock 2 HH 410

S.no.	Description	Unit	Article No.	PU
	Material: Aluminium Finish : Aluminium anodised			
1	ProLock 2 HH 410 Handle + Handle set	Set	9 228 093	01
2	ProLock 2 HH 410 Handle + WC Bathroom set	Set	9 228 095	01

ProLock 2 HH 510



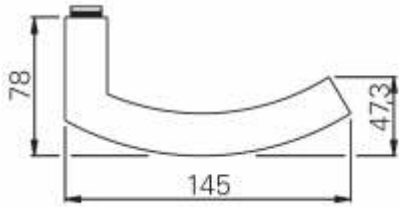
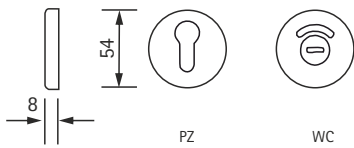
Product characteristics

- With 8 mm spindle
- Maintenance-free friction bearing with self-lubricating plastic.
- Fixable bearing
- Steel base with positioning studs
- Unilateral fixed installation
- Concealed through-screw technology
- Left / Right same version
- User category: Class 3
- Door Material: Steel, Wooden
- Finish : Stainless steel satin

Approved & Certified Product:

EN 1906

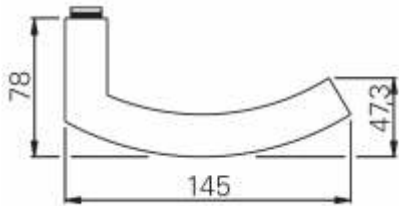
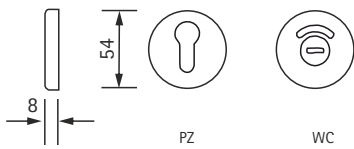
SS



Dimensions: ProLock 2 HH 510

S.no.	Description	Unit	Article No.	PU
	Material: Stainless steel Finish : Stainless steel satin			
1	ProLock 2 HH 510 Handle + Handle set	Set	9 228 081	01
2	ProLock 2 HH 510 Handle + WC Bathroom set	Set	9 228 083	01

Al



Dimensions: ProLock 2 HH 510

S.no.	Description	Unit	Article No.	PU
	Material: Aluminium Finish : Aluminium anodised			
1	ProLock 2 HH 510 Handle + Handle set	Set	9 228 096	01
2	ProLock 2 HH 510 Handle + WC Bathroom set	Set	9 228 098	01

Mortise Handles

► ProLock 1 handle



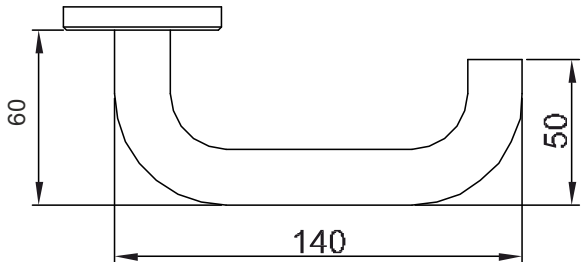
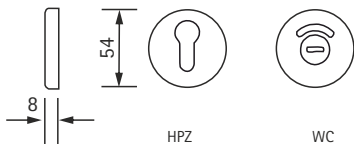
ProLock 1 HH 2110



Product characteristics

- With 8 mm spindle
- SS 304 Hollow handle
- With Restoring spring
- Steel base
- Through-screw installation
- Left / Right same version
- Suitable for door thickness 40-60 mm
- Door Material: Steel, Wooden, Profile Framed
- PVD coating: 16 micron

Approved & Certified Product:

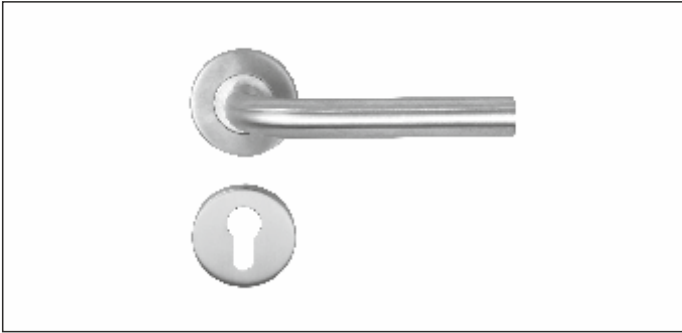


Dimensions: ProLock 1 HH 2110

Product Image	Description (Height x Width)	Finish	Unit	Article no.	PU
	ProLock 1 HH 2110 Handle + Handle set SS	Stainless Steel	Set	9 228 099	01
	ProLock 1 HH 2110 Handle + WC Bathroom set SS	Stainless Steel	Set	9 228 101	01
	ProLock 1 HH 2110 Handle + Handle set AB	Antique Brass	Set	9 249 908	01
	ProLock 1 HH 2110 Handle + WC Bathroom set AB	Antique Brass	Set	9 249 909	01
	ProLock 1 HH 2110 Handle + Handle set CR	Bright Chrome	Set	9 249 960	01
	ProLock 1 HH 2110 Handle + WC Bathroom set CR	Bright Chrome	Set	9 249 961	01
	ProLock 1 HH 2110 Handle + Handle set BL	Matt Black	Set	9 250 012	01
	ProLock 1 HH 2110 Handle + WC Bathroom set BL	Matt Black	Set	9 250 013	01
	ProLock 1 HH 2110 Handle + Handle set SB	Satin Brass	Set	9 250 064	01
	ProLock 1 HH 2110 Handle + WC Bathroom set SB	Satin Brass	Set	9 250 065	01
	ProLock 1 HH 2110 Handle + Handle set Nylon in Black	Nylon (Black)	Set	9 250 309	01
	ProLock 1 HH 2110 Handle + WC Bathroom set Nylon in Black	Nylon (Black)	Set	9 250 310	01

Article codes written in black are available on request.

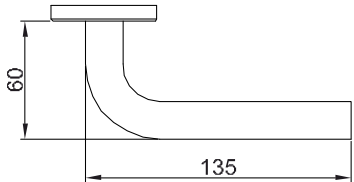
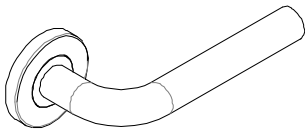
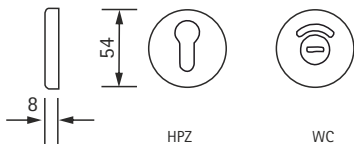
ProLock 1 HH 2210



Product characteristics

- With 8 mm spindle
- SS 304 Hollow handle
- With Restoring spring
- Steel base
- Through-screw installation
- Left / Right same version
- Suitable for door thickness 40-60 mm
- Door Material: Steel, Wooden, Profile Framed
- PVD coating: 16 micron

Approved & Certified Product:



Dimensions: ProLock 1 HH 2210

Product Image	Description (Height x Width)	Finish	Unit	Article no.	PU
	ProLock 1 HH 2210 Handle + Handle set SS	Stainless Steel	Set	9 250 321	01
	ProLock 1 HH 2210 Handle + WC Bathroom set SS	Stainless Steel	Set	9 250 322	01
	ProLock 1 HH 2210 Handle + Handle set AB	Antique Brass	Set	9 249 953	01
	ProLock 1 HH 2210 Handle + WC Bathroom set AB	Antique Brass	Set	9 249 954	01
	ProLock 1 HH 2210 Handle + Handle set CR	Bright Chrome	Set	9 250 005	01
	ProLock 1 HH 2210 Handle + WC Bathroom set CR	Bright Chrome	Set	9 250 006	01
	ProLock 1 HH 2210 Handle + Handle set BL	Matt Black	Set	9 250 057	01
	ProLock 1 HH 2210 Handle + WC Bathroom set BL	Matt Black	Set	9 250 058	01
	ProLock 1 HH 2210 Handle + Handle set SB	Satin Brass	Set	9 250 109	01
	ProLock 1 HH 2210 Handle + WC Bathroom set SB	Satin Brass	Set	9 250 110	01

Article codes written in black are available on request.

Mortise Handles
► ProLock 1 handle



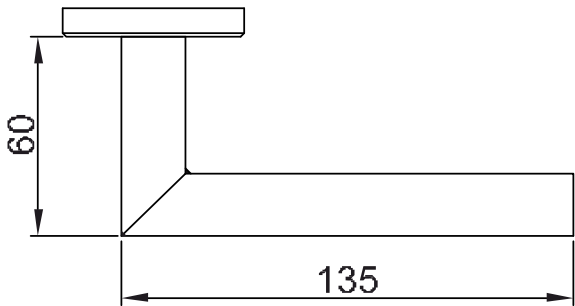
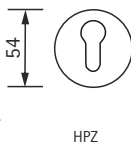
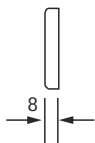
ProLock 1 HH 2310



Product characteristics

- With 8 mm spindle
- SS 304 Hollow handle
- With Restoring spring
- Steel base
- Through-screw installation
- Left / Right same version
- Suitable for door thickness 40-60 mm
- Door Material: Steel, Wooden, Profile Framed
- PVD coating: 16 micron

Approved & Certified Product:



Dimensions: ProLock 1 HH 2310

Product Image	Description (Height x Width)	Finish	Unit	Article no.	PU
	ProLock 1 HH 2310 Handle + Handle set SS	Stainless Steel	Set	9 228 102	01
	ProLock 1 HH 2310 Handle + WC Bathroom set SS	Stainless Steel	Set	9 228 104	01
	ProLock 1 HH 2310 Handle + Handle set AB	Antique Brass	Set	9 249 910	01
	ProLock 1 HH 2310 Handle + WC Bathroom set AB	Antique Brass	Set	9 249 911	01
	ProLock 1 HH 2310 Handle + Handle set CR	Bright Chrome	Set	9 249 962	01
	ProLock 1 HH 2310 Handle + WC Bathroom set CR	Bright Chrome	Set	9 249 963	01
	ProLock 1 HH 2310 Handle + Handle set BL	Matt Black	Set	9 250 014	01
	ProLock 1 HH 2310 Handle + WC Bathroom set BL	Matt Black	Set	9 250 015	01
	ProLock 1 HH 2310 Handle + Handle set SB	Satin Brass	Set	9 250 066	01
	ProLock 1 HH 2310 Handle + WC Bathroom set SB	Satin Brass	Set	9 250 067	01

Article codes written in black are available on request.

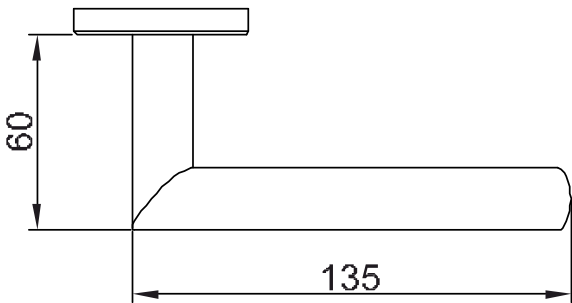
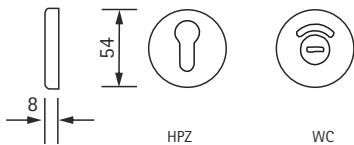
ProLock 1 HH 2340



Product characteristics

- With 8 mm spindle
- SS 304 Hollow handle
- With Restoring spring
- Steel base
- Through-screw installation
- Left / Right same version
- Suitable for door thickness 40-60 mm
- Door Material: Steel, Wooden, Profile Framed
- PVD coating: 16 micron

Approved & Certified Product:



Dimensions: ProLock 1 HH 2340

Product Image	Description (Height x Width)	Finish	Unit	Article no.	PU
	ProLock 1 HH 2340 Handle + Handle set SS	Stainless Steel	Set	9 228 108	01
	ProLock 1 HH 2340 Handle + WC Bathroom set SS	Stainless Steel	Set	9 228 110	01
	ProLock 1 HH 2340 Handle + Handle set AB	Antique Brass	Set	9 249 914	01
	ProLock 1 HH 2340 Handle + WC Bathroom set AB	Antique Brass	Set	9 249 915	01
	ProLock 1 HH 2340 Handle + Handle set CR	Bright Chrome	Set	9 249 966	01
	ProLock 1 HH 2340 Handle + WC Bathroom set CR	Bright Chrome	Set	9 249 967	01
	ProLock 1 HH 2340 Handle + Handle set BL	Matt Black	Set	9 250 018	01
	ProLock 1 HH 2340 Handle + WC Bathroom set BL	Matt Black	Set	9 250 019	01
	ProLock 1 HH 2340 Handle + Handle set SB	Satin Brass	Set	9 250 070	01
	ProLock 1 HH 2340 Handle + WC Bathroom set SB	Satin Brass	Set	9 250 071	01

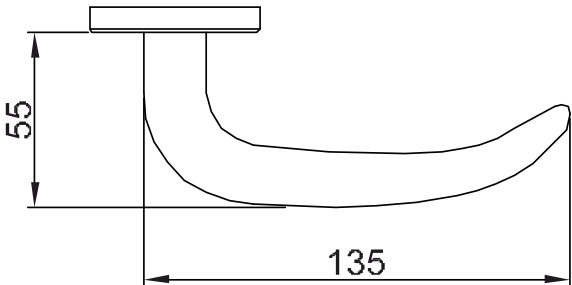
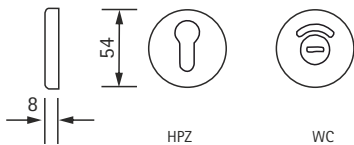
Article codes written in black are available on request.

ProLock 1 HH 2410



Product characteristics

- With 8 mm spindle
- SS 304 Hollow handle
- With Restoring spring
- Steel base
- Through-screw installation
- Left / Right same version
- Suitable for door thickness 40-60 mm
- Door Material: Steel, Wooden, Profile Framed
- PVD coating: 16 micron



Dimensions: ProLock 1 HH 2410

Product Image	Description (Height x Width)	Finish	Unit	Article no.	PU
	ProLock 1 HH 2410 Handle + Handle set SS	Stainless Steel	Set	9 228 111	01
	ProLock 1 HH 2410 Handle + WC Bathroom set SS	Stainless Steel	Set	9 228 113	01
	ProLock 1 HH 2410 Handle + Handle set AB	Antique Brass	Set	9 249 916	01
	ProLock 1 HH 2410 Handle + WC Bathroom set AB	Antique Brass	Set	9 249 917	01
	ProLock 1 HH 2410 Handle + Handle set CR	Bright Chrome	Set	9 249 968	01
	ProLock 1 HH 2410 Handle + WC Bathroom set CR	Bright Chrome	Set	9 249 969	01
	ProLock 1 HH 2410 Handle + Handle set BL	Matt Black	Set	9 250 020	01
	ProLock 1 HH 2410 Handle + WC Bathroom set BL	Matt Black	Set	9 250 021	01
	ProLock 1 HH 2410 Handle + Handle set SB	Satin Brass	Set	9 250 072	01
	ProLock 1 HH 2410 Handle + WC Bathroom set SB	Satin Brass	Set	9 250 073	01

Article codes written in black are available on request.

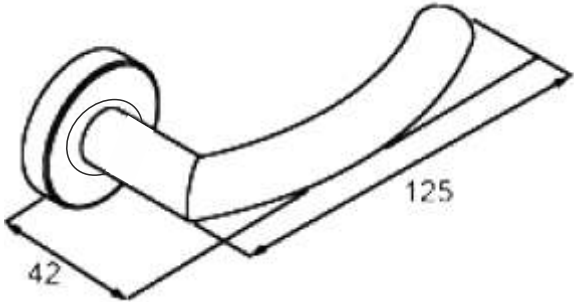
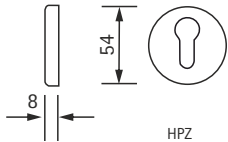
ProLock 1 HH 2510



Product characteristics

- With 8 mm spindle
- SS 304 Hollow handle
- With Restoring spring
- Steel base
- Through-screw installation
- Left / Right same version
- Suitable for door thickness 40-60 mm
- Door Material: Steel, Wooden, Profile Framed

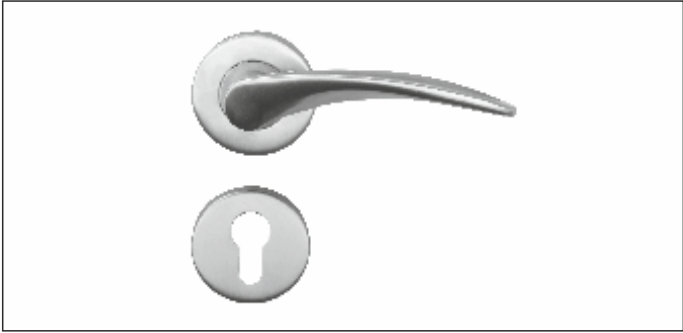
Approved & Certified Product:



Dimensions: ProLock 1 HH 2510

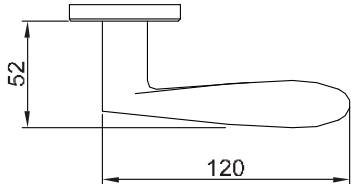
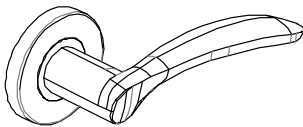
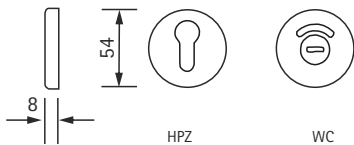
Product Image	Description (Height x Width)	Finish	Unit	Article no.	PU
	ProLock 1 HH 2510 Handle + Handle set SS	Stainless Steel	Set	9 251 130	01

ProLock 1 HH 2610



Product characteristics

- With 8 mm spindle
- SS 304 Solid die cast handle
- With Restoring spring
- Steel base
- Through-screw installation
- Left / Right same version
- Suitable for door thickness 40-60 mm
- Door Material: Steel, Wooden, Profile Framed
- PVD coating: 16 micron



Dimensions: ProLock 1 HH 2610

Product Image	Description (Height x Width)	Finish	Unit	Article no.	PU
	ProLock 1 HH 2610 Handle + Handle set SS	Stainless Steel	Set	9 228 768	01
	ProLock 1 HH 2610 Handle + WC Bathroom set SS	Stainless Steel	Set	9 228 769	01
	ProLock 1 HH 2610 Handle + Handle set AB	Antique Brass	Set	9 249 923	01
	ProLock 1 HH 2610 Handle + WC Bathroom set AB	Antique Brass	Set	9 249 924	01
	ProLock 1 HH 2610 Handle + Handle set CR	Bright Chrome	Set	9 249 975	01
	ProLock 1 HH 2610 Handle + WC Bathroom set CR	Bright Chrome	Set	9 249 976	01
	ProLock 1 HH 2610 Handle + Handle set BL	Matt Black	Set	9 250 027	01
	ProLock 1 HH 2610 Handle + WC Bathroom set BL	Matt Black	Set	9 250 028	01
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	ProLock 1 HH 2610 Handle + WC Bathroom set SB	Satin Brass	Set	9 250 080	01

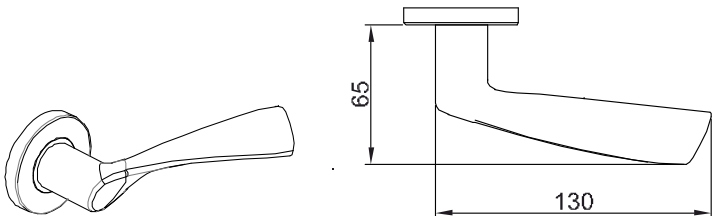
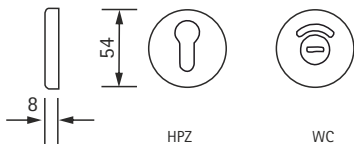
Article codes written in black are available on request.

ProLock 1 HH 2620



Product characteristics

- ▶ With 8 mm spindle
- ▶ SS 304 Solid die cast handle
- ▶ With Restoring spring
- ▶ Steel base
- ▶ Through-screw installation
- ▶ Left / Right same version
- ▶ Suitable for door thickness 40-60 mm
- ▶ Door Material: Steel, Wooden, Profile Framed
- ▶ PVD coating: 16 micron

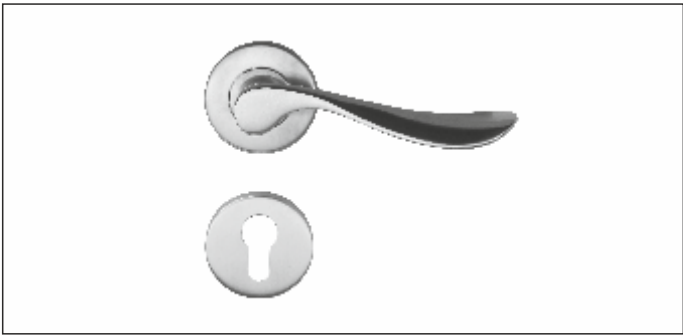


Dimensions: ProLock 1 HH 2620

Product Image	Description (Height x Width)	Finish	Unit	Article no.	PU
	ProLock 1 HH 2620 Handle + Handle set SS	Stainless Steel	Set	9 228 770	01
	ProLock 1 HH 2620 Handle + WC Bathroom set SS	Stainless Steel	Set	9 228 771	01
	ProLock 1 HH 2620 Handle + Handle set AB	Antique Brass	Set	9 249 925	01
	ProLock 1 HH 2620 Handle + WC Bathroom set AB	Antique Brass	Set	9 249 926	01
	ProLock 1 HH 2620 Handle + Handle set CR	Bright Chrome	Set	9 249 977	01
	ProLock 1 HH 2610 Handle + WC Bathroom set CR	Bright Chrome	Set	9 249 978	01
	ProLock 1 HH 2620 Handle + Handle set BL	Matt Black	Set	9 250 029	01
	ProLock 1 HH 2620 Handle + WC Bathroom set BL	Matt Black	Set	9 250 030	01
	ProLock 1 HH 2620 Handle + Handle set SB	Satin Brass	Set	9 250 081	01
	ProLock 1 HH 2620 Handle + WC Bathroom set SB	Satin Brass	Set	9 250 082	01

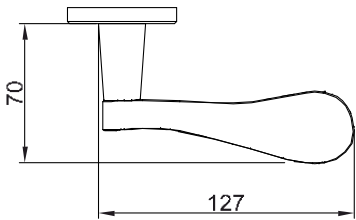
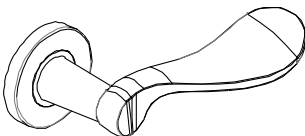
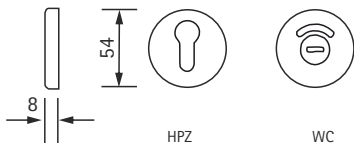
Article codes written in black are available on request.

ProLock 1 HH 2630



Product characteristics

- With 8 mm spindle
- SS 304 Solid die cast handle
- With Restoring spring
- Steel base
- Through-screw installation
- Left / Right same version
- Suitable for door thickness 40-60 mm
- Door Material: Steel, Wooden, Profile Framed
- PVD coating: 16 micron



Dimensions: ProLock 1 HH 2630

Product Image	Description (Height x Width)	Finish	Unit	Article no.	PU
	ProLock 1 HH 2630 Handle + Handle set SS	Stainless Steel	Set	9 228 772	01
	ProLock 1 HH 2630 Handle + WC Bathroom set SS	Stainless Steel	Set	9 228 773	01
	ProLock 1 HH 2630 Handle + Handle set AB	Antique Brass	Set	9 249 927	01
	ProLock 1 HH 2630 Handle + WC Bathroom set AB	Antique Brass	Set	9 249 928	01
	ProLock 1 HH 2630 Handle + Handle set CR	Bright Chrome	Set	9 249 979	01
	ProLock 1 HH 2630 Handle + WC Bathroom set CR	Bright Chrome	Set	9 249 980	01
	ProLock 1 HH 2630 Handle + Handle set BL	Matt Black	Set	9 250 031	01
	ProLock 1 HH 2630 Handle + WC Bathroom set BL	Matt Black	Set	9 250 032	01
	ProLock 1 HH 2630 Handle + Handle set SB	Satin Brass	Set	9 250 083	01
	ProLock 1 HH 2630 Handle + WC Bathroom set SB	Satin Brass	Set	9 250 084	01

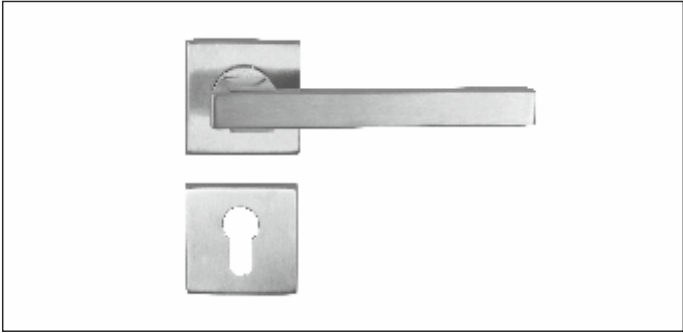
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Mortise Handles

► ProLock 1 handle

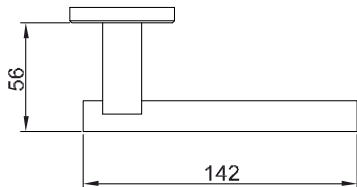
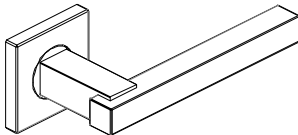
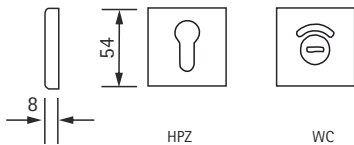


ProLock 1 HH 2640



Product characteristics

- With 8 mm spindle
- SS 304 Solid die cast handle
- With Restoring spring
- Steel base
- Through-screw installation
- Left / Right same version
- Suitable for door thickness 40-60 mm
- Door Material: Steel, Wooden, Profile Framed
- PVD coating: 16 micron

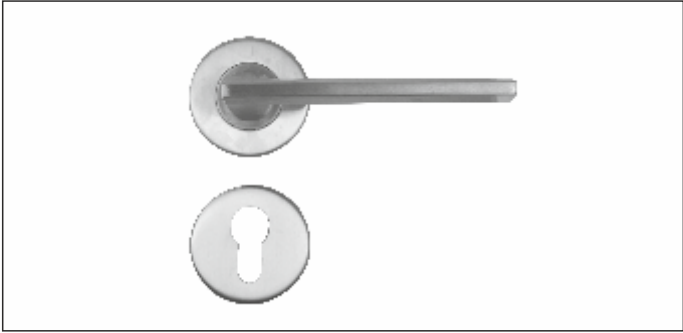


Dimensions: ProLock 1 HH 2640

Product Image	Description (Height x Width)	Finish	Unit	Article no.	PU
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	ProLock 1 HH 2640 Handle + WC Bathroom set SS	Stainless Steel	Set	9 228 775	01
	ProLock 1 HH 2640 Handle + Handle set AB	Antique Brass	Set	9 249 929	01
	ProLock 1 HH 2640 Handle + WC Bathroom set AB	Antique Brass	Set	9 249 930	01
	ProLock 1 HH 2640 Handle + Handle set CR	Bright Chrome	Set	9 249 981	01
	ProLock 1 HH 2640 Handle + WC Bathroom set CR	Bright Chrome	Set	9 249 982	01
	ProLock 1 HH 2640 Handle + Handle set BL	Matt Black	Set	9 250 033	01
	ProLock 1 HH 2640 Handle + WC Bathroom set BL	Matt Black	Set	9 250 034	01
	ProLock 1 HH 2640 Handle + Handle set SB	Satin Brass	Set	9 250 085	01
	ProLock 1 HH 2620 Handle + WC Bathroom set SB	Satin Brass	Set	9 250 086	01

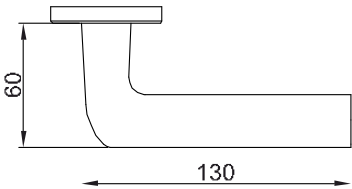
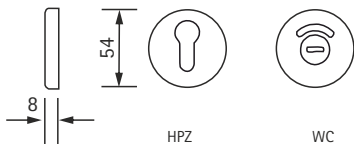
Article codes written in black are available on request.

ProLock 1 HH 2650



Product characteristics

- With 8 mm spindle
- SS 304 Solid die cast handle
- With Restoring spring
- Steel base
- Through-screw installation
- Left / Right same version
- Suitable for door thickness 40-60 mm
- Door Material: Steel, Wooden, Profile Framed
- PVD coating: 16 micron



Dimensions: ProLock 1 HH 2650

Product Image	Description (Height x Width)	Finish	Unit	Article no.	PU
	ProLock 1 HH 2650 Handle + Handle set SS	Stainless Steel	Set	9 228 776	01
	ProLock 1 HH 2650 Handle + WC Bathroom set SS	Stainless Steel	Set	9 228 777	01
	ProLock 1 HH 2650 Handle + Handle set AB	Antique Brass	Set	9 249 931	01
	ProLock 1 HH 2650 Handle + WC Bathroom set AB	Antique Brass	Set	9 249 932	01
	ProLock 1 HH 2650 Handle + Handle set CR	Bright Chrome	Set	9 249 983	01
	ProLock 1 HH 2650 Handle + WC Bathroom set CR	Bright Chrome	Set	9 249 984	01
	ProLock 1 HH 2650 Handle + Handle set BL	Matt Black	Set	9 250 035	01
	ProLock 1 HH 2650 Handle + WC Bathroom set BL	Matt Black	Set	9 250 036	01
	ProLock 1 HH 2650 Handle + Handle set SB	Satin Brass	Set	9 250 087	01
	ProLock 1 HH 2650 Handle + WC Bathroom set SB	Satin Brass	Set	9 250 088	01

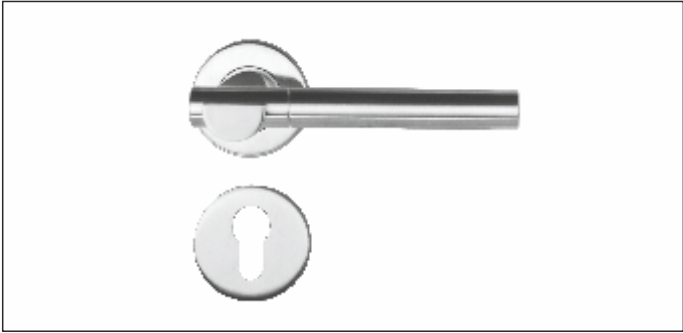
Article codes written in black are available on request.

Mortise Handles

► ProLock 1 handle

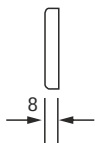


ProLock 1 HH 2660



Product characteristics

- With 8 mm spindle
- SS 304 Solid die cast handle
- With Restoring spring
- Steel base
- Through-screw installation
- Left / Right same version
- Suitable for door thickness 40-60 mm
- Door Material: Steel, Wooden, Profile Framed
- PVD coating: 16 micron



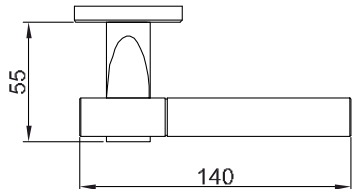
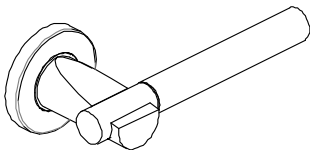
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HPZ



WC

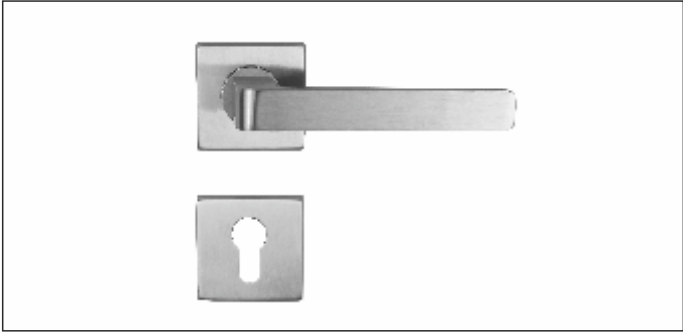


Dimensions: ProLock 1 HH 2660

Product Image	Description (Height x Width)	Finish	Unit	Article no.	PU
	ProLock 1 HH 2660 Handle + Handle set SS	Stainless Steel	Set	9 228 778	01
	ProLock 1 HH 2660 Handle + WC Bathroom set SS	Stainless Steel	Set	9 228 779	01
	ProLock 1 HH 2660 Handle + Handle set AB	Antique Brass	Set	9 249 933	01
	ProLock 1 HH 2660 Handle + WC Bathroom set AB	Antique Brass	Set	9 249 934	01
	ProLock 1 HH 2660 Handle + Handle set CR	Bright Chrome	Set	9 249 985	01
	ProLock 1 HH 2660 Handle + WC Bathroom set CR	Bright Chrome	Set	9 249 986	01
	ProLock 1 HH 2660 Handle + Handle set BL	Matt Black	Set	9 250 037	01
	ProLock 1 HH 2660 Handle + WC Bathroom set BL	Matt Black	Set	9 250 038	01
	ProLock 1 HH 2660 Handle + Handle set SB	Satin Brass	Set	9 250 089	01
	ProLock 1 HH 2660 Handle + WC Bathroom set SB	Satin Brass	Set	9 250 090	01

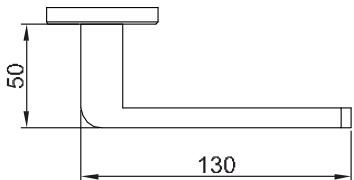
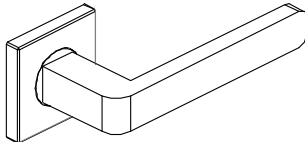
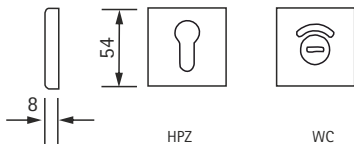
Article codes written in black are available on request.

ProLock 1 HH 2670



Product characteristics

- With 8 mm spindle
- SS 304 Solid die cast handle
- With Restoring spring
- Steel base
- Through-screw installation
- Left / Right same version
- Suitable for door thickness 40-60 mm
- Door Material: Steel, Wooden, Profile Framed
- PVD coating: 16 micron

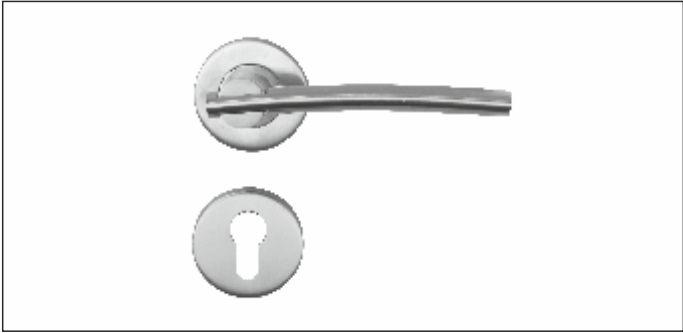


Dimensions: ProLock 1 HH 2670

Product Image	Description (Height x Width)	Finish	Unit	Article no.	PU
	ProLock 1 HH 2670 Handle + Handle set SS	Stainless Steel	Set	9 228 780	01
	ProLock 1 HH 2670 Handle + WC Bathroom set SS	Stainless Steel	Set	9 228 781	01
	ProLock 1 HH 2670 Handle + Handle set AB	Antique Brass	Set	9 249 935	01
	ProLock 1 HH 2670 Handle + WC Bathroom set AB	Antique Brass	Set	9 249 936	01
	ProLock 1 HH 2670 Handle + Handle set CR	Bright Chrome	Set	9 249 987	01
	ProLock 1 HH 2670 Handle + WC Bathroom set CR	Bright Chrome	Set	9 249 988	01
	ProLock 1 HH 2670 Handle + Handle set BL	Matt Black	Set	9 250 039	01
	ProLock 1 HH 2670 Handle + WC Bathroom set BL	Matt Black	Set	9 250 040	01
	ProLock 1 HH 2670 Handle + Handle set SB	Satin Brass	Set	9 250 091	01
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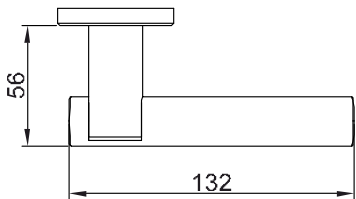
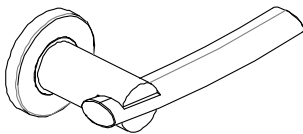
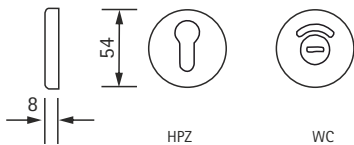
Article codes written in black are available on request.

ProLock 1 HH 2680



Product characteristics

- With 8 mm spindle
- SS 304 Solid die cast handle
- With Restoring spring
- Steel base
- Through-screw installation
- Left / Right same version
- Suitable for door thickness 40-60 mm
- Door Material: Steel, Wooden, Profile Framed
- PVD coating: 16 micron

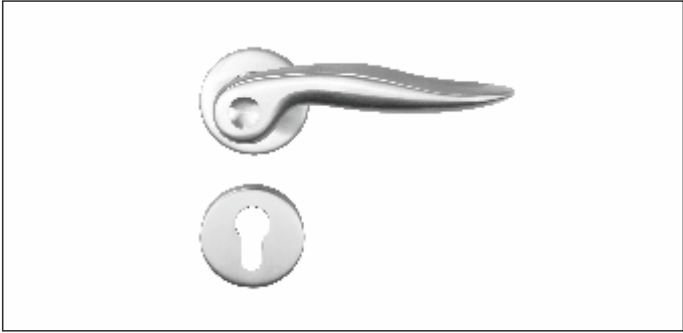


Dimensions: ProLock 1 HH 2680

Product Image	Description (Height x Width)	Finish	Unit	Article no.	PU
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	ProLock 1 HH 2680 Handle + WC Bathroom set SS	Stainless Steel	Set	9 228 783	01
	ProLock 1 HH 2680 Handle + Handle set AB	Antique Brass	Set	9 249 937	01
	ProLock 1 HH 2680 Handle + WC Bathroom set AB	Antique Brass	Set	9 249 938	01
	ProLock 1 HH 2680 Handle + Handle set CR	Bright Chrome	Set	9 249 989	01
	ProLock 1 HH 2680 Handle + WC Bathroom set CR	Bright Chrome	Set	9 249 990	01
	ProLock 1 HH 2680 Handle + Handle set BL	Matt Black	Set	9 250 041	01
	ProLock 1 HH 2680 Handle + WC Bathroom set BL	Matt Black	Set	9 250 042	01
	ProLock 1 HH 2680 Handle + Handle set SB	Satin Brass	Set	9 250 093	01
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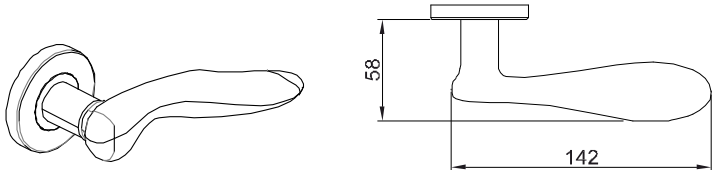
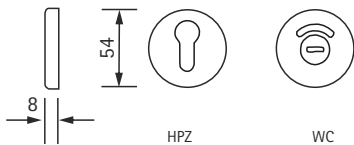
Article codes written in black are available on request.

ProLock 1 HH 2690



Product characteristics

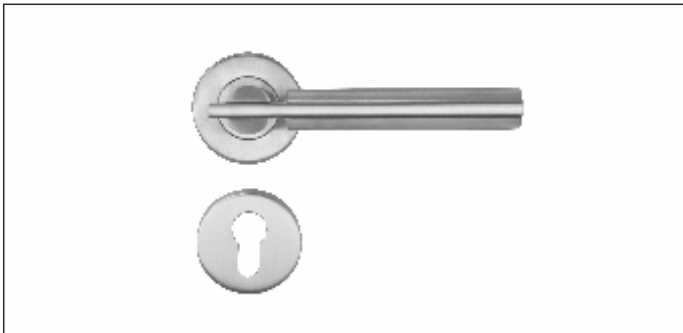
- With 8 mm spindle
- SS 304 Solid die cast handle
- With Restoring spring
- Steel base
- Through-screw installation
- Left / Right same version
- Suitable for door thickness 40-60 mm
- Door Material: Steel, Wooden, Profile Framed
- PVD coating: 16 micron



Dimensions: ProLock 1 HH 2690

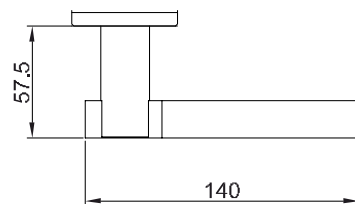
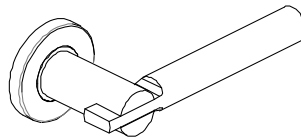
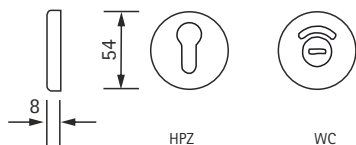
Product Image	Description (Height x Width)	Finish	Unit	Article no.	PU
	ProLock 1 HH 2690 Handle + Handle set SS	Stainless Steel	Set	9 228 784	01
	ProLock 1 HH 2690 Handle + WC Bathroom set SS	Stainless Steel	Set	9 228 785	01
	ProLock 1 HH 2690 Handle + Handle set AB	Antique Brass	Set	9 249 939	01
	ProLock 1 HH 2690 Handle + WC Bathroom set AB	Antique Brass	Set	9 249 940	01
	ProLock 1 HH 2690 Handle + Handle set CR	Bright Chrome	Set	9 249 991	01
	ProLock 1 HH 2690 Handle + WC Bathroom set CR	Bright Chrome	Set	9 249 992	01
	ProLock 1 HH 2690 Handle + Handle set BL	Matt Black	Set	9 250 043	01
	ProLock 1 HH 2680 Handle + WC Bathroom set BL	Matt Black	Set	9 250 044	01
	ProLock 1 HH 2690 Handle + Handle set SB	Satin Brass	Set	9 250 095	01
	ProLock 1 HH 2690 Handle + WC Bathroom set SB	Satin Brass	Set	9 250 096	01

ProLock 1 HH 2710



Product characteristics

- With 8 mm spindle
- SS 304 Solid die cast handle
- With Restoring spring
- Steel base
- Through-screw installation
- Left / Right same version
- Suitable for door thickness 40-60 mm
- Door Material: Steel, Wooden, Profile Framed
- PVD coating: 16 micron

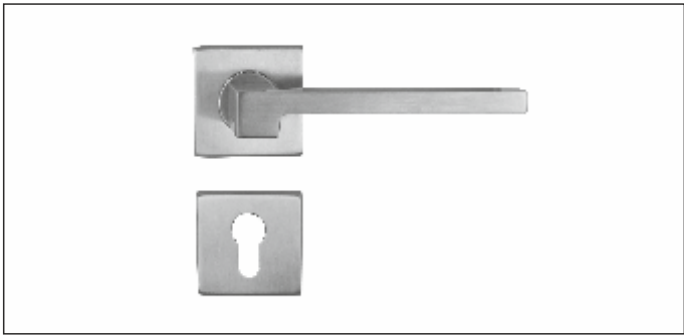


Dimensions: ProLock 1 HH 2710

Product Image	Description (Height x Width)	Finish	Unit	Article no.	PU
	ProLock 1 HH 2710 Handle + Handle set SS	Stainless Steel	Set	9 228 786	01
	ProLock 1 HH 2710 Handle + WC Bathroom set SS	Stainless Steel	Set	9 228 787	01
	ProLock 1 HH 2710 Handle + Handle set AB	Antique Brass	Set	9 249 941	01
	ProLock 1 HH 2710 Handle + WC Bathroom set AB	Antique Brass	Set	9 249 942	01
	ProLock 1 HH 2710 Handle + Handle set CR	Bright Chrome	Set	9 249 993	01
	ProLock 1 HH 2710 Handle + WC Bathroom set CR	Bright Chrome	Set	9 249 994	01
	ProLock 1 HH 2710 Handle + Handle set BL	Matt Black	Set	9 250 045	01
	ProLock 1 HH 2710 Handle + WC Bathroom set BL	Matt Black	Set	9 250 046	01
	ProLock 1 HH 2710 Handle + Handle set SB	Satin Brass	Set	9 250 097	01
	ProLock 1 HH 2710 Handle + WC Bathroom set SB	Satin Brass	Set	9 250 098	01

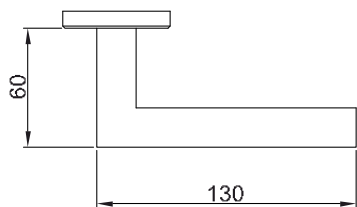
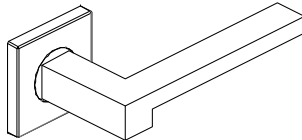
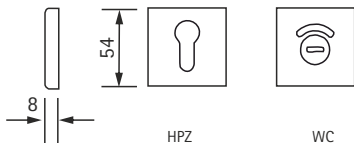
Article codes written in black are available on request.

ProLock 1 HH 2720



Product characteristics

- With 8 mm spindle
- SS 304 Solid die cast handle
- With Restoring spring
- Steel base
- Through-screw installation
- Left / Right same version
- Suitable for door thickness 40-60 mm
- Door Material: Steel, Wooden, Profile Framed
- PVD coating: 16 micron



Dimensions: ProLock 1 HH 2720

Product Image	Description (Height x Width)	Finish	Unit	Article no.	PU
	ProLock 1 HH 2720 Handle + Handle set SS	Stainless Steel	Set	9 228 788	01
	ProLock 1 HH 2720 Handle + WC Bathroom set SS	Stainless Steel	Set	9 228 789	01
	ProLock 1 HH 2720 Handle + Handle set AB	Antique Brass	Set	9 249 943	01
	ProLock 1 HH 2720 Handle + WC Bathroom set AB	Antique Brass	Set	9 249 944	01
	ProLock 1 HH 2720 Handle + Handle set CR	Bright Chrome	Set	9 249 995	01
	ProLock 1 HH 2720 Handle + WC Bathroom set CR	Bright Chrome	Set	9 249 996	01
	ProLock 1 HH 2720 Handle + Handle set BL	Matt Black	Set	9 250 047	01
	ProLock 1 HH 2720 Handle + WC Bathroom set BL	Matt Black	Set	9 250 048	01
	ProLock 1 HH 2720 Handle + Handle set SB	Satin Brass	Set	9 250 099	01
	ProLock 1 HH 2720 Handle + WC Bathroom set SB	Satin Brass	Set	9 250 100	01

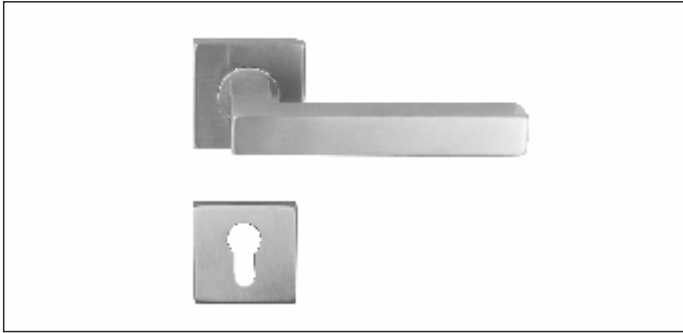
Article codes written in black are available on request.

Mortise Handles

► ProLock 1 handle

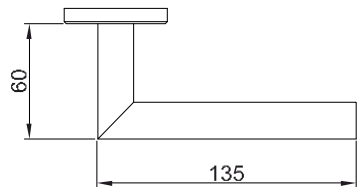
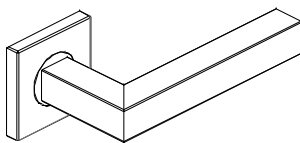
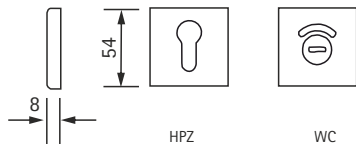


ProLock 1 HH 2740



Product characteristics

- With 8 mm spindle
- SS 304 Hollow handle
- With Restoring spring
- Steel base
- Through-screw installation
- Left / Right same version
- Suitable for door thickness 40-60 mm
- Door Material: Steel, Wooden, Profile Framed
- PVD coating: 16 micron

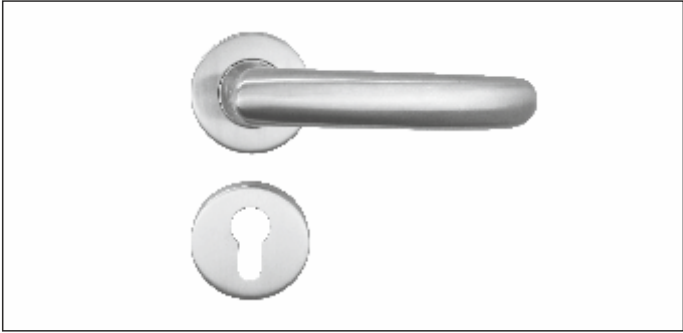


Dimensions: ProLock 1 HH 2740

Product Image	Description (Height x Width)	Finish	Unit	Article no.	PU
	ProLock 1 HH 2740 Handle + Handle set SS	Stainless Steel	Set	9 228 790	01
	ProLock 1 HH 2740 Handle + WC Bathroom set SS	Stainless Steel	Set	9 228 791	01
	ProLock 1 HH 2740 Handle + Handle set AB	Antique Brass	Set	9 249 945	01
	ProLock 1 HH 2740 Handle + WC Bathroom set AB	Antique Brass	Set	9 249 946	01
	ProLock 1 HH 2740 Handle + Handle set CR	Bright Chrome	Set	9 249 997	01
	ProLock 1 HH 2740 Handle + WC Bathroom set CR	Bright Chrome	Set	9 249 998	01
	ProLock 1 HH 2740 Handle + Handle set BL	Matt Black	Set	9 250 049	01
	ProLock 1 HH 2740 Handle + WC Bathroom set BL	Matt Black	Set	9 250 050	01
	ProLock 1 HH 2740 Handle + Handle set SB	Satin Brass	Set	9 250 101	01
	ProLock 1 HH 2740 Handle + WC Bathroom set SB	Satin Brass	Set	9 250 102	01

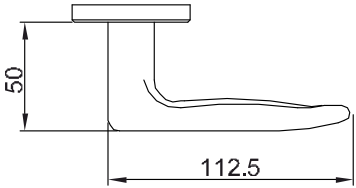
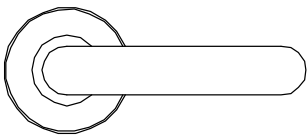
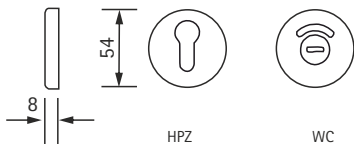
Article codes written in black are available on request.

ProLock 1 HH 2750



Product characteristics

- With 8 mm spindle
- SS 304 Hollow handle
- With Restoring spring
- Steel base
- Through-screw installation
- Left / Right same version
- Suitable for door thickness 40-60 mm
- Door Material: Steel, Wooden, Profile Framed
- PVD coating: 16 micron

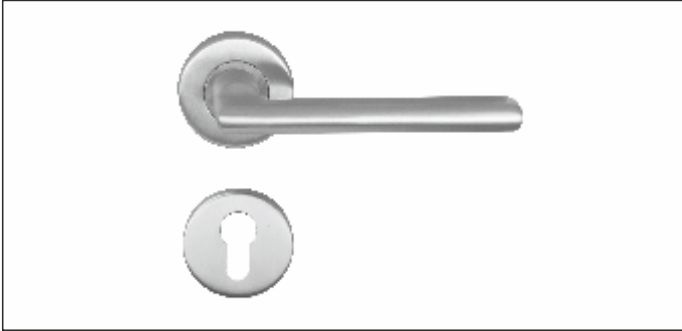


Dimensions: ProLock 1 HH 2750

Product Image	Description (Height x Width)	Finish	Unit	Article no.	PU
	ProLock 1 HH 2750 Handle + Handle set SS	Stainless Steel	Set	9 228 792	01
	ProLock 1 HH 2750 Handle + WC Bathroom set SS	Stainless Steel	Set	9 228 793	01
	ProLock 1 HH 2750 Handle + Handle set AB	Antique Brass	Set	9 249 947	01
	ProLock 1 HH 2750 Handle + WC Bathroom set AB	Antique Brass	Set	9 249 948	01
	ProLock 1 HH 2750 Handle + Handle set CR	Bright Chrome	Set	9 249 999	01
	ProLock 1 HH 2750 Handle + WC Bathroom set CR	Bright Chrome	Set	9 250 000	01
	ProLock 1 HH 2750 Handle + Handle set BL	Matt Black	Set	9 250 051	01
	ProLock 1 HH 2750 Handle + WC Bathroom set BL	Matt Black	Set	9 250 052	01
	ProLock 1 HH 2750 Handle + Handle set SB	Satin Brass	Set	9 250 103	01
	ProLock 1 HH 2750 Handle + WC Bathroom set SB	Satin Brass	Set	9 250 104	01

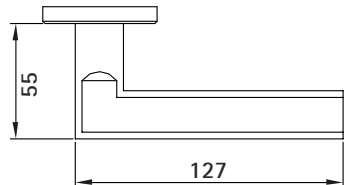
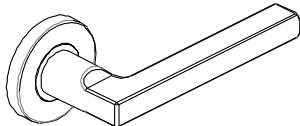
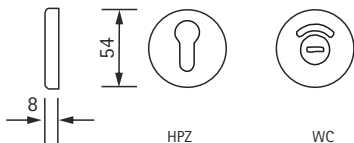
Article codes written in black are available on request.

ProLock 1 HH 2760



Product characteristics

- Coating of 16 micron by Electroplating
- With 8 mm spindle
- SS 304 Hollow handle
- With Restoring spring
- Steel base
- Through-screw installation
- Left / Right same version
- Suitable for door thickness 40-60 mm
- Door Material: Steel, Wooden, Profile Framed



Dimensions: ProLock 1 HH 2760

Product Image	Description (Height x Width)	Finish	Unit	Article no.	PU
	ProLock 1 HH 2760 Handle + Handle set SS	Stainless Steel	Set	9 228 794	01
	ProLock 1 HH 2760 Handle + WC Bathroom set SS	Stainless Steel	Set	9 228 795	01
	ProLock 1 HH 2760 Handle + Handle set AB	Antique Brass	Set	9 249 949	01
	ProLock 1 HH 2760 Handle + WC Bathroom set AB	Antique Brass	Set	9 249 950	01
	ProLock 1 HH 2760 Handle + Handle set CR	Bright Chrome	Set	9 250 001	01
	ProLock 1 HH 2760 Handle + WC Bathroom set CR	Bright Chrome	Set	9 250 002	01
	ProLock 1 HH 2760 Handle + Handle set BL	Matt Black	Set	9 250 053	01
	ProLock 1 HH 2760 Handle + WC Bathroom set BL	Matt Black	Set	9 250 054	01
	ProLock 1 HH 2760 Handle + Handle set SB	Satin Brass	Set	9 250 105	01
	ProLock 1 HH 2760 Handle + WC Bathroom set SB	Satin Brass	Set	9 250 106	01

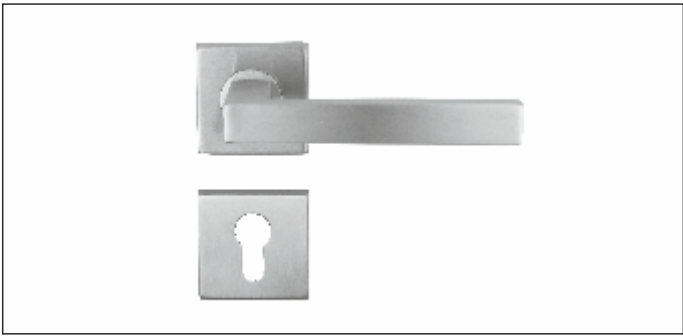
Article codes written in black are available on request.

Mortise Handles

► ProLock 1 handle

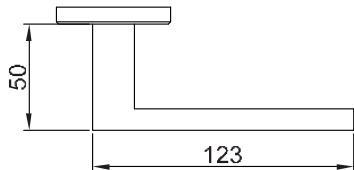
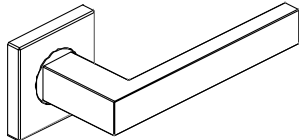
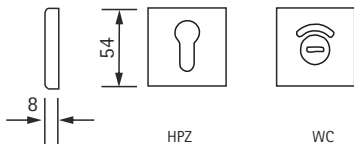


ProLock 1 HH 2770



Product characteristics

- With 8 mm spindle
- SS 304 Hollow handle
- With Restoring spring
- Steel base
- Through-screw installation
- Left / Right same version
- Suitable for door thickness 40-60 mm
- Door Material: Steel, Wooden, Profile Framed
- Electroplating of 16 micron by PVD



Dimensions: ProLock 1 HH 2770

Product Image	Description (Height x Width)	Finish	Unit	Article no.	PU
	ProLock 1 HH 2770 Handle + Handle set SS	Stainless Steel	Set	9 228 796	01
	ProLock 1 HH 2770 Handle + WC Bathroom set SS	Stainless Steel	Set	9 228 797	01
	ProLock 1 HH 2770 Handle + Handle set AB	Antique Brass	Set	9 249 951	01
	ProLock 1 HH 2770 Handle + WC Bathroom set AB	Antique Brass	Set	9 249 952	01
	ProLock 1 HH 2770 Handle + Handle set CR	Bright Chrome	Set	9 250 003	01
	ProLock 1 HH 2770 Handle + WC Bathroom set CR	Bright Chrome	Set	9 250 004	01
	ProLock 1 HH 2770 Handle + Handle set BL	Matt Black	Set	9 250 055	01
	ProLock 1 HH 2770 Handle + WC Bathroom set BL	Matt Black	Set	9 250 056	01
	ProLock 1 HH 2770 Handle + Handle set SB	Satin Brass	Set	9 250 107	01
	ProLock 1 HH 2770 Handle + WC Bathroom set SB	Satin Brass	Set	9 250 108	01

Article codes written in black are available on request.

Mortise Handles

► ProLock 1 handle / Oval rose

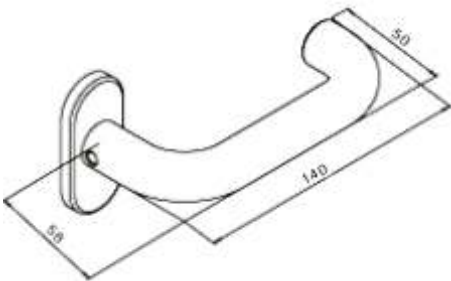
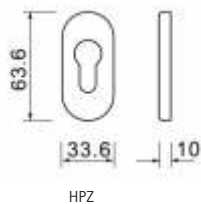


ProLock 1 HH 2110 / O



Product characteristics

- With 8 mm spindle
- With Restoring spring
- Steel base
- Unilateral fixed installation
- Left / Right same version
- Door Material: Steel, Wooden, Profile Framed
- PVD coating: 16 micron



Dimensions: ProLock 1 HH 2110/O

Product Image	Description (Height x Width)	Finish	Unit	Article no.	PU
	ProLock 1 HH 2110/O Handle + Handle set SS	Stainless Steel	Set	9 228 117	01
	ProLock 1 HH 2110/O Handle + Handle set AB	Antique Brass	Set	9 249 920	01
	ProLock 1 HH 2110/O Handle + Handle set CR	Bright Chrome	Set	9 249 972	01
	ProLock 1 HH 2110/O Handle + Handle set BL	Matt Black	Set	9 250 024	01
	ProLock 1 HH 2110/O Handle + Handle set SB	Satin Brass	Set	9 250 076	01

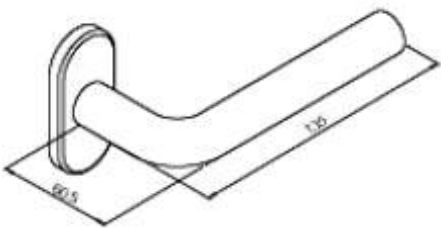
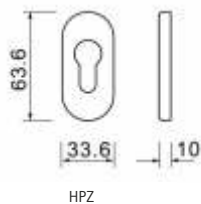
Article codes written in black are available on request.

ProLock 1 HH 2210 / O



Product characteristics

- With 8 mm spindle
- With Restoring spring
- Steel base
- Unilateral fixed installation
- Left / Right same version
- Door Material: Steel, Wooden, Profile Framed
- PVD coating: 16 micron



Dimensions: ProLock 1 HH 2210/0

Product Image	Description (Height x Width)	Finish	Unit	Article no.	PU
	ProLock 1 HH 2210/0 Handle + Handle set SS	Stainless Steel	Set	9 228 119	01
	ProLock 1 HH 2210/0 Handle + Handle set AB	Antique Brass	Set	9 249 921	01
	ProLock 1 HH 2210/0 Handle + Handle set CR	Bright Chrome	Set	9 249 973	01
	ProLock 1 HH 2210/0 Handle + Handle set BL	Matt Black	Set	9 250 025	01
	ProLock 1 HH 2210/0 Handle + Handle set SB	Satin Brass	Set	9 250 077	01

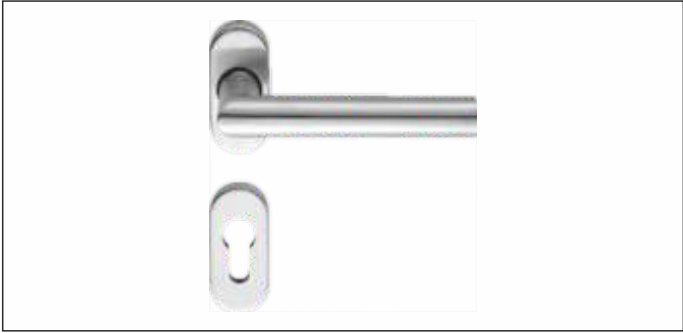
Article codes written in black are available on request.

Mortise Handles

► ProLock 1 handle / Oval rose

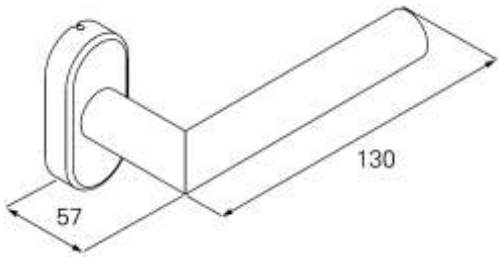
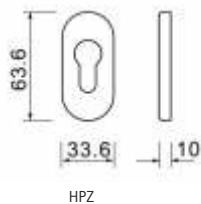


ProLock 1 HH 2310 / O



Product characteristics

- With 8 mm spindle
- With Restoring spring
- Steel base
- Unilateral fixed installation
- Left / Right same version
- Door Material: Steel, Wooden, Profile Framed
- PVD coating: 16 micron



Dimensions: ProLock 1 HH 2310/O

Product Image	Description (Height x Width)	Finish	Unit	Article no.	PU
	ProLock 1 HH 2310/O Handle + Handle set SS	Stainless Steel	Set	9 228 121	01
	ProLock 1 HH 2310/O Handle + Handle set AB	Antique Brass	Set	9 249 922	01
	ProLock 1 HH 2310/O Handle + Handle set CR	Bright Chrome	Set	9 249 974	01
	ProLock 1 HH 2310/O Handle + Handle set BL	Matt Black	Set	9 250 026	01
	ProLock 1 HH 2310/O Handle + Handle set SB	Satin Brass	Set	9 250 078	01

Article codes written in black are available on request.

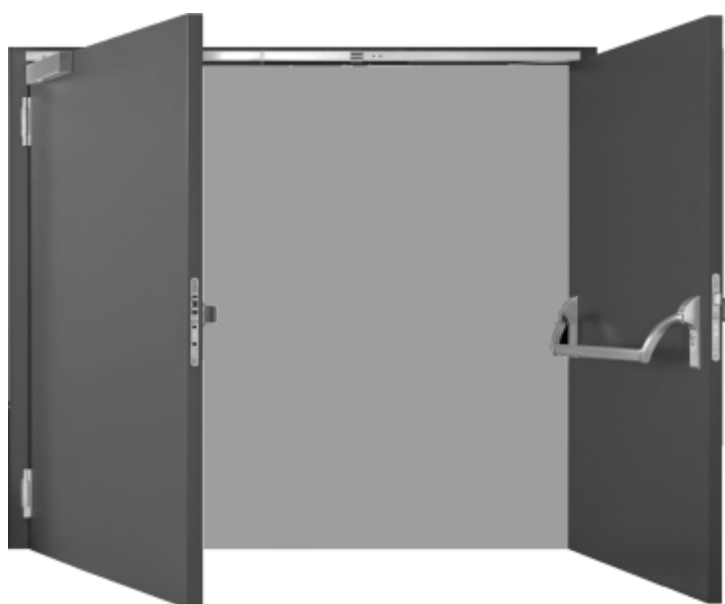


Safety in emergency

Hettich Panic systems in conformance with DIN & EN 1125 ensure that person who panic & are not acquainted with the functions of the door can always get out of the building safely. Designed and crafted to ensure maximum safety, Hettich Panic devices are available with special panic functions for maximum safety.



Panic bolting technology ensures that people can get out of a danger zone at any time, even in a panic situation. One push on the horizontal activation element is all it takes and the door springs open – irrespective of whether it was locked or not.



Hettich unlocking solutions also open up the escape route when a crowd of people press against the door. And even the strength of a child is sufficient to open the door to escape from a fire or toxic smoke.

Bolting technology satisfies European standards EN 1125 (Panic locks with horizontal activation bars) and EN 179 (Emergency exit locks with handles or impact plates) – and demonstrates the company's expertise. The lock and release element are developed and manufactured in coordination with one another.

With panic systems in particular, it is important to perceive the door as a system, because it's not only the panic lock, door lock and fitting that have to interact perfectly so that the door can help in a life-threatening situation. The door closer and hinges have a decisive influence on the ability to satisfy the high demands set by the standard.

Classification Coding System – Panic exit devices operated by a horizontal bar: EN 1125

► EN 1125 testing is evaluated as per below:

1. Category of Use

Grade 3: High frequency of use where there is little incentive to exercise care, i.e. where there is a chance of an accident occurring and of misuse

2. Durability

Grade 6: 100,000 Test cycles
Grade 7: 200,000 Test cycles

3. Door mass

Grade 5: Up to 100kg
Grade 6: Up to 200kg
Grade 7: Above 200kg

4. Suitability for use on fire/smoke doors

Grade 0: Not approved for use on fire/smoke door assemblies
Grade A: Suitable for use on fire/smoke door assemblies based on the requirements of B.1
Grade B: Suitable for use on fire/smoke door assemblies based on the requirements of EN 1634-1

5. Safety

Grade 1: All panic and emergency devices have a critical safety function therefore only the top grade 1 is identified

6. Corrosion Resistance

Two grades of corrosion resistance given in EN 1670:2007, 5.6:
Grade 3: 96 h (high resistance)
Grade 4: 240 h (very high resistance)

7. Security

Grade 2: Panic devices are primarily for the operation of a door from inside and security is secondary to that of safety

8. Projection of horizontal bar

Grade 1: Projection up to 150 mm (large projection)
Grade 2: Projection up to 100 mm (standard projection)

9. Type of horizontal bar operation

Type A: Panic exit device with "push-bar" operation
Type B: Panic exit device with "touch-bar" operation

10. Field of door application

Grade A: Single door, double door: active or inactive leaf
Grade B: Single door only
Grade C: Double door, inactive leaf only

Classification Coding System – Emergency exit devices with lever handle/push pad: EN 179

► EN 179 testing is evaluated as per below:

1. Category of Use

Grade 3: High frequency of use where there is little incentive to exercise care, i.e. where there is a chance of an accident occurring and of misuse

2. Durability

Grade 6: 100,000 Test cycles
Grade 7: 200,000 Test cycles

3. Door mass

Grade 5: Up to 100kg
Grade 6: Up to 200kg
Grade 7: Above 200kg

4. Suitability for use on fire/smoke doors

Grade 0: Not approved for use on fire/smoke door assemblies
Grade A: Suitable for use on fire/smoke door assemblies based on the requirements of B.1
Grade B: Suitable for use on fire/smoke door assemblies based on the requirements of EN 1634-1

5. Safety

Grade 1: All panic and emergency devices have a critical safety function therefore only the top grade 1 is identified

6. Corrosion Resistance

Two grades of corrosion resistance given in EN 1670:2007, 5.6:
Grade 3: 96 h (high resistance)
Grade 4: 240 h (very high resistance)

7. Security

Grade 2: 1000 N
Grade 3: 2000 N
Grade 4: 3000 N
Grade 5: 5000 N

8. Projection of operating element

Grade 1: Projection up to 150 mm (large projection)
Grade 2: Projection up to 100 mm (standard projection)

9. Type of operation

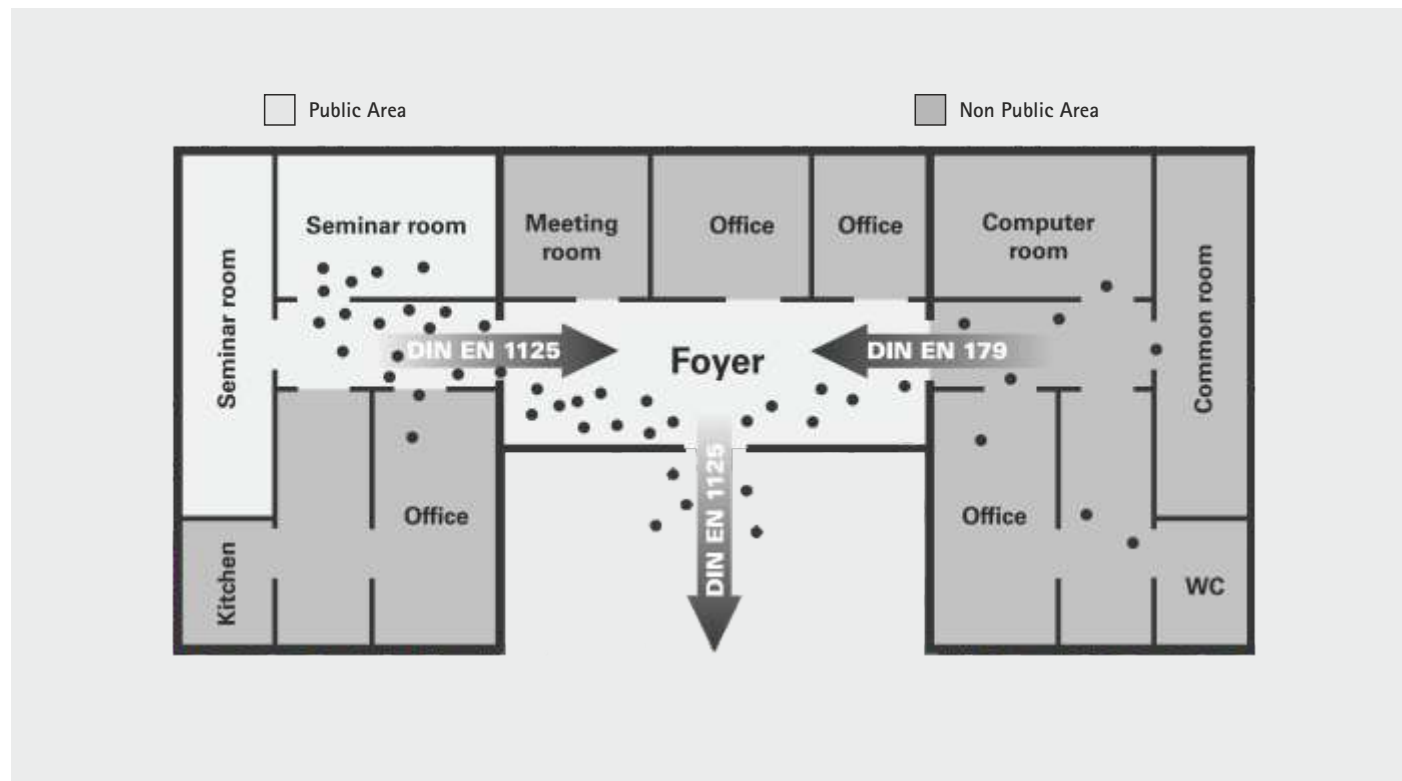
Type A: Emergency exit device with "lever handle" operation
Type B: Emergency exit device with "push pad" operation

10. Field of door application

Grade A: Outward opening single exit door, double exit door: active or inactive leaf
Grade B: Outward opening single exit door only
Grade C: Outward opening double exit door: inactive leaf only
Grade D: Inward opening single exit door only

The type of room and utilization of the building are decisive when choosing the right panic door combination. European standards DIN EN 1125 and DIN EN 179 define the fittings of panic doors and emergency exits. Emergency exit locks in compliance with DIN EN 179 are not normally subjected to use by the general public.

It is assumed here that the users of the building are acquainted with the escape routes, so conventional panic lock technology with a handle or impact plate are sufficient here. Panic locks with a horizontal activation bar in accordance with DIN EN 1125, on the other hand, are intended for use in buildings frequented by the general public. Our panic systems in conformance with DIN EN 1125 ensure that persons who have panicked and are not acquainted with the functions of the door can always get out of the building safely.



Panic locks with a horizontal activation bar

- Panic locks in accordance with DIN EN 1125 are used in public buildings in which the users are not acquainted with the functioning of the escape door but must nevertheless be able to operate them without instruction.

- Panic locks activated mechanically by means of a horizontal handle or push-bar.

► Areas of application:

- Hospitals and clinics
- Escape routes in schools and training centres
- Public administration buildings
- Stadia, arenas and events buildings
- Shopping centres

- Users have no advance knowledge of how to open the escape door.

EN 1125 

Emergency exit locks with door handle

- Emergency exit locks in accordance with DIN EN 179 for buildings or building sections not open to the general public and all areas where access by the general public can be excluded. Side entrances or doors in these buildings or building sections are only used by authorized persons.

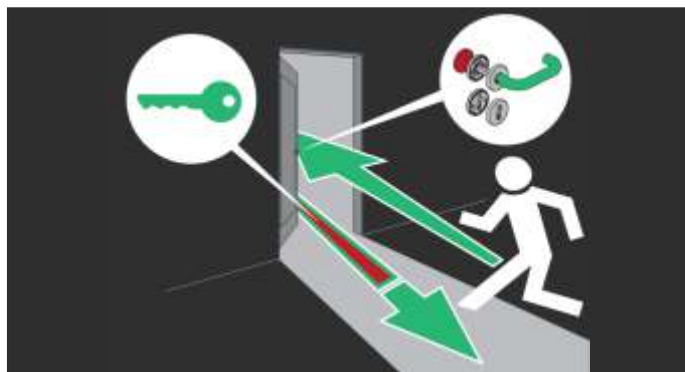
- Emergency exit locks operated mechanically by means of a handle or impact plate.

► Areas of application:

- Private residential complexes
- School classrooms
- Non-public administration buildings
- Industrial companies
- Non-public areas of airports, banks, shopping centres
- Non-public areas of administrative buildings
- Users have no advance knowledge of how to open the escape door.

EN 179 

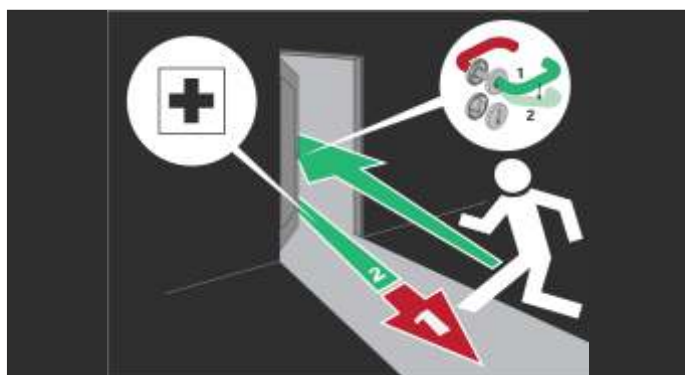
Panic Function E – Alternating function



Panic Function E

- Panic Function E is intended for buildings with access for a defined group of people. A blind plate or knob is mounted on the outside and the door can only be opened with a key. Conventional panic function per handle from the inside.
Area of application: heating room access doors, elevator systems, underground/ multi-storey car parks, storage and commercial buildings, entrance doors in rented apartment complexes and blocks of flats.

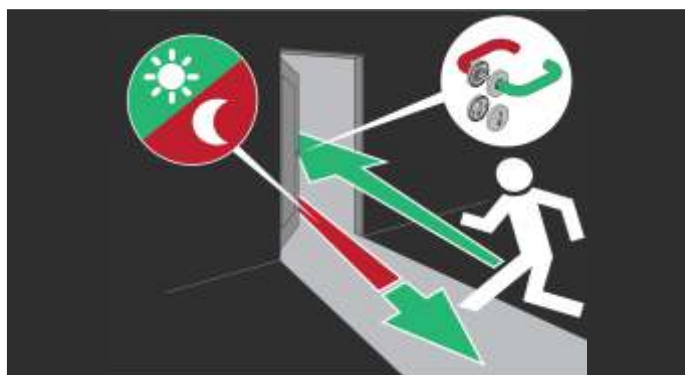
Panic Function D – Transit function



Panic Function D

- Panic Function D is intended for doors with a pure escape function which are not used otherwise. When the conventional panic function is activated from the inside, the door is opened and the outer handle is engaged as well. In this setting, the door does not constitute an obstacle when entering the building or escaping from it. The original function can be reset with a key. The coupling is mechanical via a two-part hub.
Area of application: escape doors in administration/ office buildings, retirement homes, side entrance doors (e.g. schools and hotels).

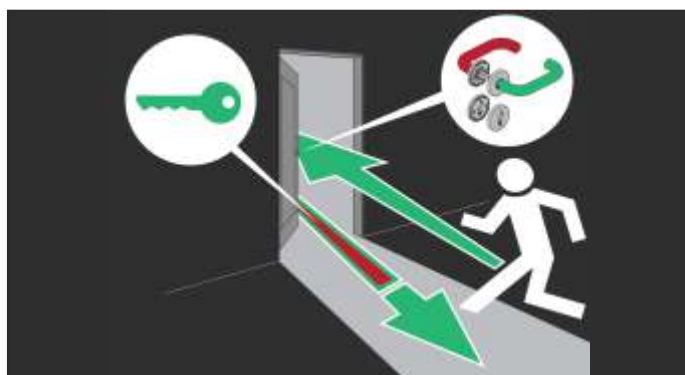
Panic Function B – Switchover function



Panic Function B

- Panic Function B with a handle on both sides is designed for buildings open to the general public. While the handle on the inside has a conventional panic function, the outside handle can be engaged or disengaged mechanically as required. The two handles are coupled via a two-part hub.
Area of application: escape doors in administration buildings, retirement homes, side entrance doors (e.g. schools and hotels).

Panic Function C – Forced closure function



Panic Function C

- Panic Function C with a handle on both sides is designed for buildings open to the general public: While the handle on the inside has a conventional panic function, the handle on the outside is disengaged as standard (idle function) and a key position (open position) must be used to engage and disengage it (forced closure). However, the key can only be removed after the idle function has been set again.
Fields of application: doors in administration or office buildings, retirement homes, side entrance doors (schools or hotels)

Guardian-HPN 900 IV

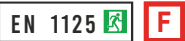


Product characteristics

- Mode of operation : Pushbar
- Lock type : PZ-72 (CTC)
- Tube length : 950 mm
- For max Door Width 1100 mm & Height 2100 mm
- DIN Left / Right useable
- High-strength screwing of arm and tube
- Door Material: Steel, Wooden, Profile Framed
- Finish : Stainless steel, Aluminium & Coloured (Red & Black) coated

Note: Connecting Spindles will be supplied as per Door thickness

Approved & Certified Product:



S.no.	Description	Unit	Article No.	PU
1	HPN 900 IV SS: Panic Bar, Pushbar type, tube length 950 mm, Stainless Steel, EN1125	Set	9 228 262	01
2	HPN 900 IV AL: Panic Bar, Pushbar type, tube length 950 mm, Aluminium, EN1125	Set	9 228 263	01
3	HPN 900 IV RB: Panic Bar, Pushbar type, tube length 950 mm, Coloured, EN1125	Set	9 228 264	01

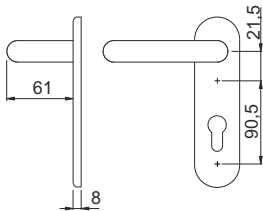
ProLock 3 HH 110 (K)



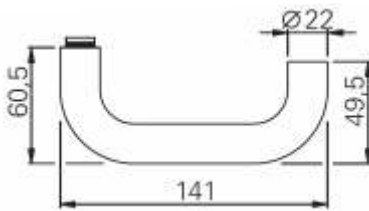
Product characteristics

- With 9 mm spindle
- Maintenance free friction bearing with self lubricating plastic
- Fixable bearing
- Steel base with positioning studs
- Concealed through-screw technology
- Left/Right Same version
- User category: Class 4
- For door Material: wood, steel
- Finish: Stainless steel, Aluminium, Black(PVC)
- Always Recommend: Handle set with HBS 92/93 with panic function D

Approved & Certified Product:



PZ Set



Dimensions: ProLock 3 HH 110 (K)

S.no.	Description	Unit	Article No.	PU
1	PROLOCK3 110 (K) SS half set with handle	Set	9 250 348	01
2	PROLOCK3 110 (K) AL half set with handle	Set	9 250 366	01
3	PROLOCK3 110 (K) NY half set with handle	Set	9 250 378	01

Mortise Counter Handles

► ProLock 3 knob on short plate for panic bar Guardian-HPN 900 IV

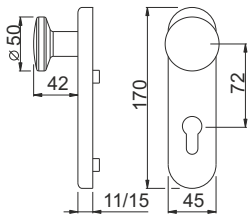


ProLock 3 HH 410 (K)

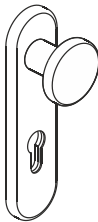


- Product characteristics**
- With 9 mm spindle
 - Maintenance free friction bearing with self lubricating plastic
 - Fixable bearing
 - Steel base with positioning studs
 - Concealed through-screw technology
 - Left/Right Same version
 - User category: Class 4
 - For door Material: wood, steel
 - Finish: Stainless steel
 - **Always Recommend:** Knob set with HBS 92/93 with panic function E

Approved Et Certified Product:



Knob Set



Dimensions: ProLock 3 HH 410 (K)

S.no.	Description	Unit	Article No.	PU
1	PROLOCK 3 half set with knob	Set	9 250 349	01

Guardian-Panic Lock HBS 92



- For single leaf emergency exit/panic door
- Lock type : PZ - 72 W (W = handle/knob execution)
- Backset : 65 mm
- Face plate: Stainless steel satin
- Face plate width: 24 mm / Hub: 8 mm
- Left / Right same version
- Strike Plate: Universal and adjustable type. Plastic dust box available
- Latch bolt: Steel cast, hard chrome plated for additional strength. Easy reverse without opening the case.
- Deadbolt: Steel cast, hard chrome plated for additional strength, 20 mm one - throw - patented
- Door Material: Steel, Wooden Doors
- To be used along with HPN 900 Et counter handle (ProLock 3 half handle) for single door application only
- Finish: Stainless steel

EN 179

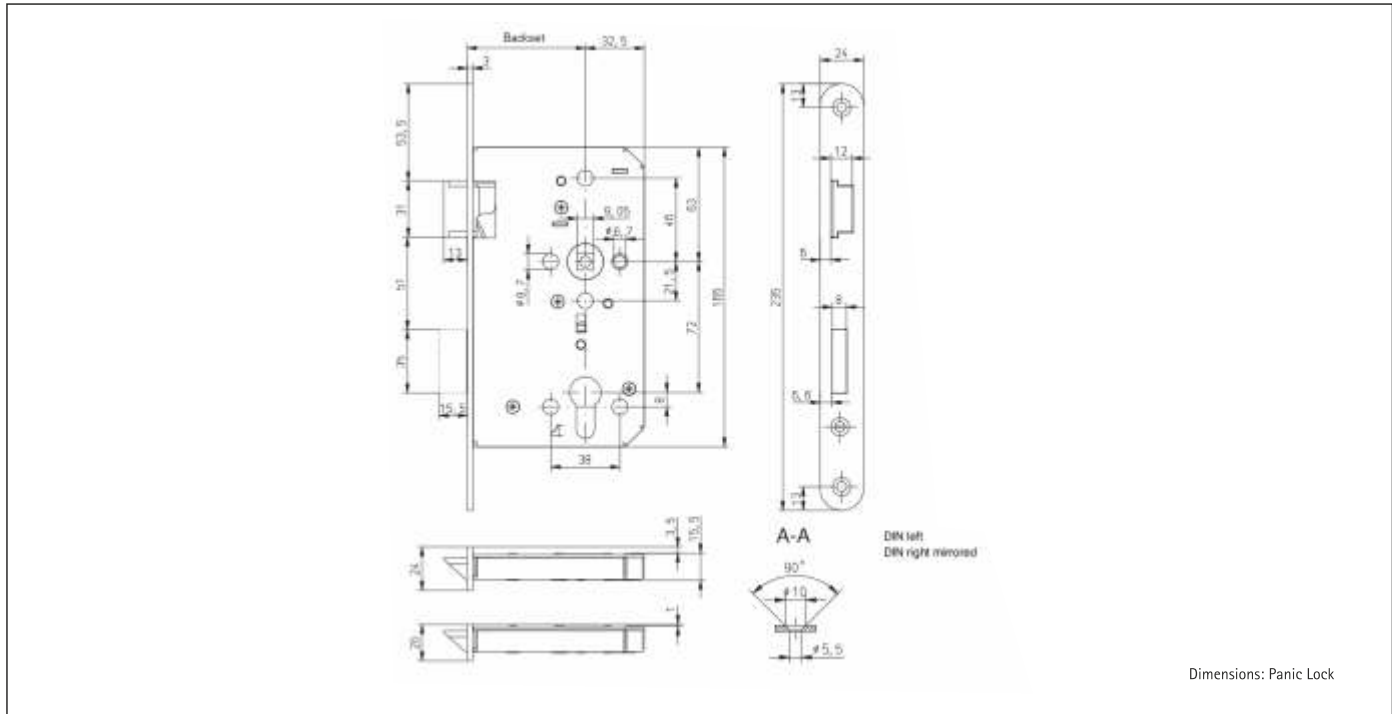
EN 1125

Approved & Certified Product:

DIN 18 250

EN 12 209

F



Dimensions: Panic Lock

S.no.	Description	Unit	Article No.	PU
1	HBS 92 PAF D Backset 65 DIN Left	Set	9 228 165	01
2	HBS 92 PAF E Backset 65 DIN Left	Set	9 228 166	01
3	HBS 92 PAF D Backset 65 DIN Right	Set	9 250 333	01
4	HBS 92 PAF E Backset 65 DIN Right	Set	9 250 334	01

Guardian-Panic Lock HBS 93



- For double leaf emergency exit/panic door (Active Door)
- Lock type : PZ - 72 W (W = handle/knob execution)
- Backset : 65 mm
- Face plate: Stainless steel satin
- Face plate width: 24 mm / Hub: 8 mm
- Left / Right same version
- Strike Plate: Universal and adjustable type. Plastic dust box available
- Latch bolt: Steel cast, hard chrome plated for additional strength. Easy reverse without opening the case.
- Deadbolt: Steel cast, hard chrome plated for additional strength, 20 mm one - throw - patented
- Door Material: Steel, Wooden Doors
- To be used along with HPN 900, HBS 94, HBS 94 accessories & counter handle (ProLock 3 half handle)
- Finish: Stainless steel

EN 179

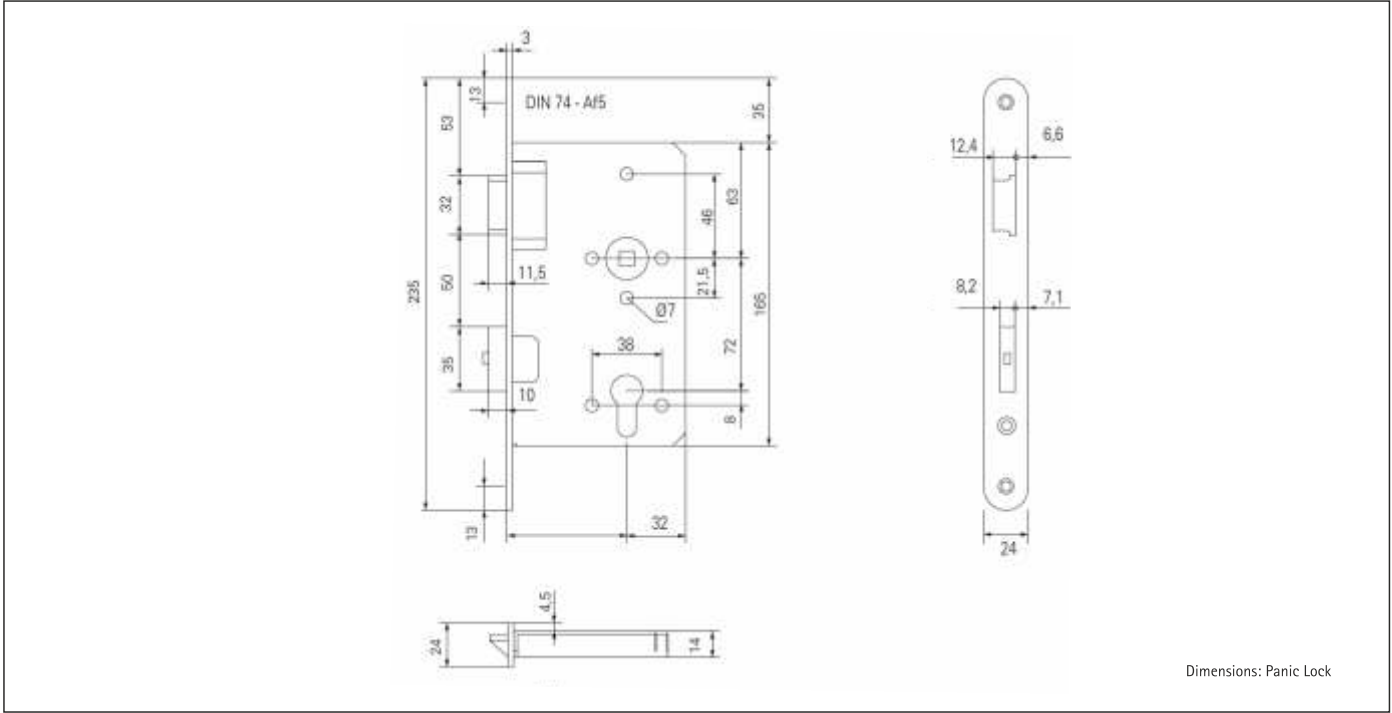
EN 1125

Approved & Certified Product:

DIN 18 250

EN 12 209

F



S.no.	Description	Unit	Article No.	PU
1	HBS 93 PAF D Backset 65 DIN Left	Set	9 228 167	01
2	HBS 93 PAF E Backset 65 DIN Left	Set	9 228 168	01
3	HBS 93 PAF D Backset 65 DIN Right	Set	9 228 430	01
4	HBS 93 PAF E Backset 65 DIN Right	Set	9 228 431	01

Guardian-Panic Lock HBS 94



- For double leaf emergency exit/panic door (Passive Door)
- Lock type : PZ - 72 W (W = handle/knob execution)
- Backset : 65 mm
- Face plate: Stainless steel satin
- Face plate width: 24 mm / Hub: 8 mm
- Left / Right same version
- Strike Plate: Universal and adjustable type. Plastic dust box available
- Latch bolt: Steel cast, hard chrome plated for additional strength. Easy reverse without opening the case.
- Deadbolt: Steel cast, hard chrome plated for additional strength. 20 mm one - throw - patented
- Door Material: Steel, Wooden Doors
- Finish: Stainless steel
- To be used along with HPN 900, HBS 93, HBS 94 accessories & counter handle (ProLock 3 half handle)
- Please order HBS 94 accessories also

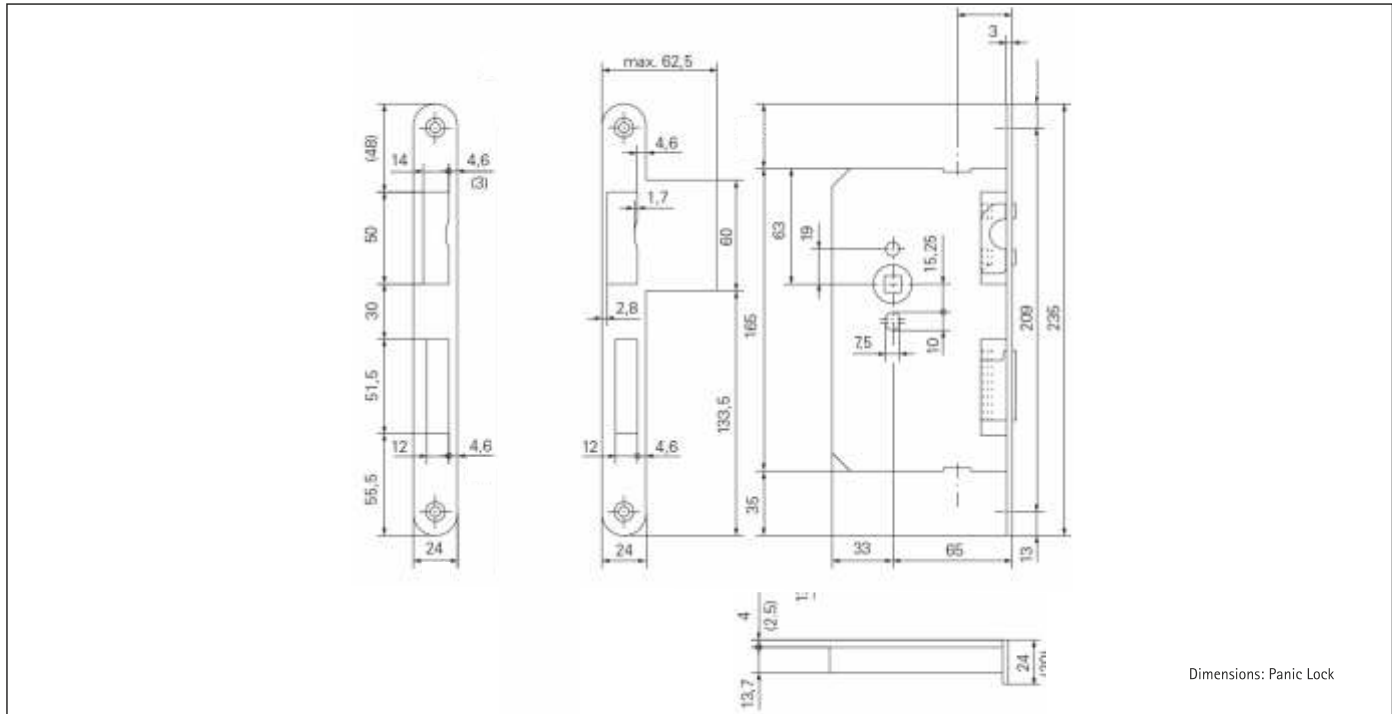
EN 1125

Approved & Certified Product:

EN 179

EN 12 209

F



Dimensions: Panic Lock

S.no.	Description	Unit	Article No.	PU
1	HBS 94 Panic Backset 65 DIN Left	Set	9 228 169	01
2	HBS 94 Panic Backset 65 DIN Right	Set	9 228 437	01
3	HBS 94 Accessories DIN Left/Right	Set	9 228 170	01

Single door panic exit door (Wooden & Steel door)



Single door panic exit door (Wooden & Steel door)

Below are relevant hardware to be suggested.

- 1x HPN 900 IV (choose material of rod)
- 1x HBS 92 with panic function D (DIN L or R according to handling of doors)
- 1x Panic spindle as per door thickness
- 1x Prolock 3 on short plate (Half handle set: choose material of handle)
- 1x Euro Profile Cylinder (both side key) as per door thickness



Double door panic exit door (Wooden & Steel door)



Double door panic exit door (Wooden & Steel door)

Below are relevant hardware to be suggested.

Active leaf hardware

- 1x HPN 900 IV (choose material of rod)
- 1x HBS 93 with panic function D (DIN L or R according to handling of doors)
- 1x Panic spindle as per door thickness
- 1x Prolock 3 on short plate (Half handle set: choose material of handle)
- 1x Euro Profile Cylinder (both side key) as per door thickness

Passive leaf hardware

- 1x HPN 900 IV (choose tube size and colour)
- 1x HBS 94 (DIN L or R according to handling of doors)
- 1x Accessory set HBS 94



NOTE: Fire Rated Door Closer and Hinges to be ordered extra

Single door panic exit door (Wooden & Steel door)



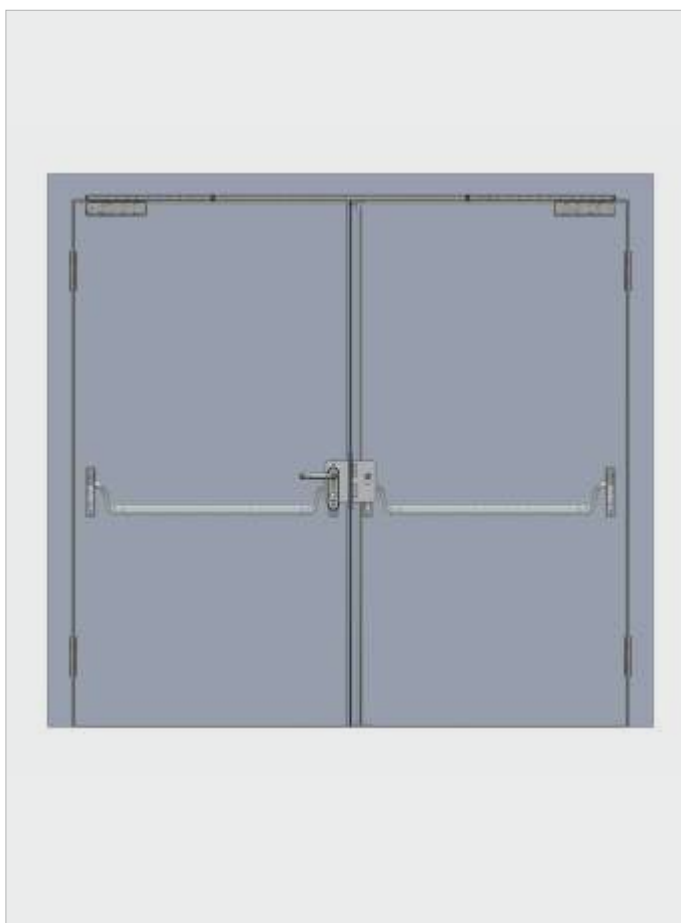
Single door panic exit door (Wooden & Steel door)

Below are relevant hardware to be suggested.

- 1x HPN 900 IV (choose material of rod)
- 1x HBS 92 with panic function E (DIN L or R according to handling of doors)
- 1x Panic spindle as per door thickness
- 1x Prolock 3 on short plate (Half set with knob)
- 1x Euro Profile Cylinder (both side key) as per door thickness



Double door panic exit door (Wooden & Steel door)



Double door panic exit door (Wooden & Steel door)

Below are relevant hardware to be suggested.

Active leaf hardware

- 1x HPN 900 IV (choose material of rod)
- 1x HBS 93 with panic function E (DIN L or R according to handling of doors)
- 1x Panic spindle as per door thickness
- 1x Prolock 3 on short plate (Half set with knob)
- 1x Euro Profile Cylinder (both side key) as per door thickness

Passive leaf hardware

- 1x HPN 900 IV (choose tube size and colour)
- 1x HBS 94 (DIN L or R according to handling of doors)
- 1x Accessory set HBS 94



NOTE: Fire Rated Door Closer and Hinges to be ordered extra

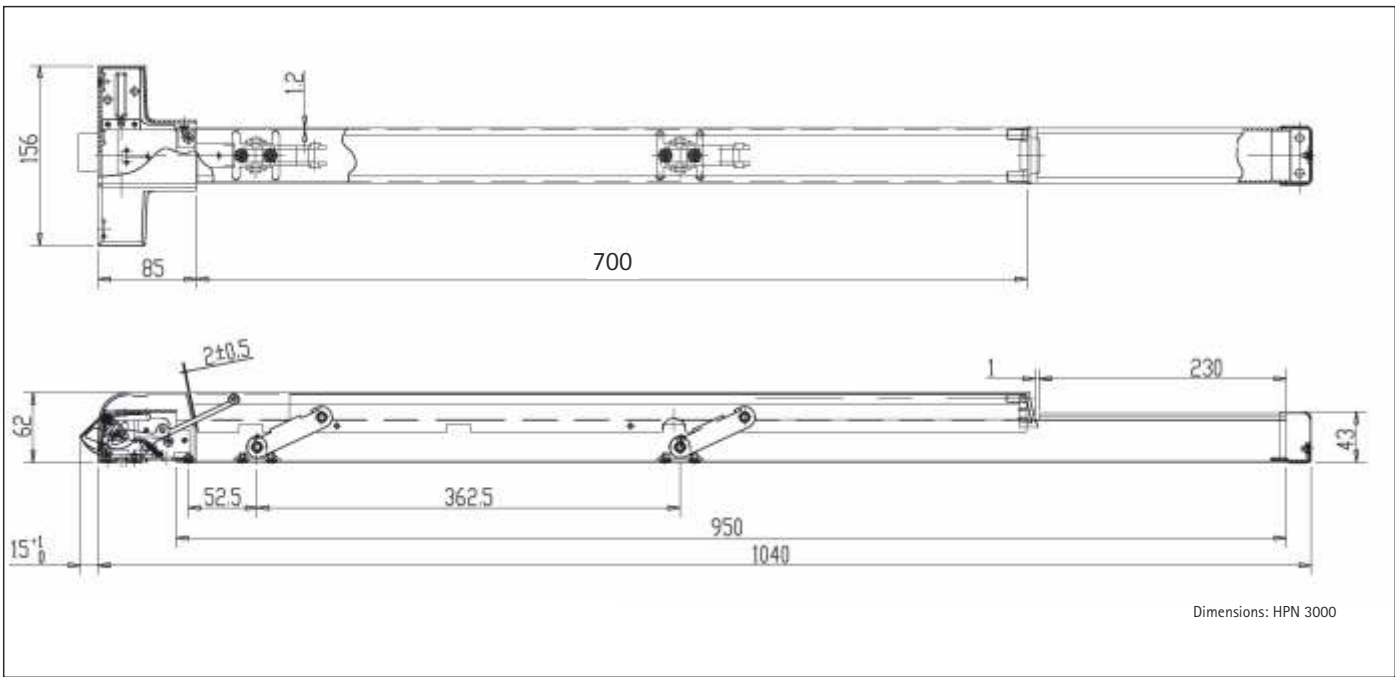
Guardian-HPN- 3000 RIM EN Version (Touch Bar Panic Device)



- Product characteristics**
- ▶ Mode of operation : Touchbar
 - ▶ Lock type: Single-leaf 1 point locking | Single-leaf 2 point locking
 - ▶ Fixing axis: 1000 mm
 - ▶ Max. Door dimensions-
Door Height: 2400 mm | Width: 1100 mm | Thickness 45 - 50 mm
 - ▶ Screw - on or screw through version
 - ▶ Left / Right same version
 - ▶ Door Material: Steel, Wooden, Profile Framed
 - ▶ Finish: Stainless Steel & Silver Painted

Note: If the Door dimensions deviates from above sizes (Thickness & Height) special accessories will be supplied as per request

Approved & Certified Product:



S.no.	Description	Unit	Article No.	PU
1	HPN 3000 EN RIM: 1 Point locking, touch bar, steel silver painted, EN1125	Set	9 228 618	01
2	HPN 3000 EN RIM: 1 Point locking, touch bar, stainless steel, EN1125	Set	9 228 619	01
3	HPN 3000 EN Vertical: 2 Point locking, touch bar, steel silver painted, EN1125	Set	9 228 620	01
4	HPN 3000 EN Vertical: 2 Point locking, touch bar, stainless steel, EN1125	Set	9 228 621	01

Guardian-HPN- 3000 RIM (Touch Bar Panic Device)

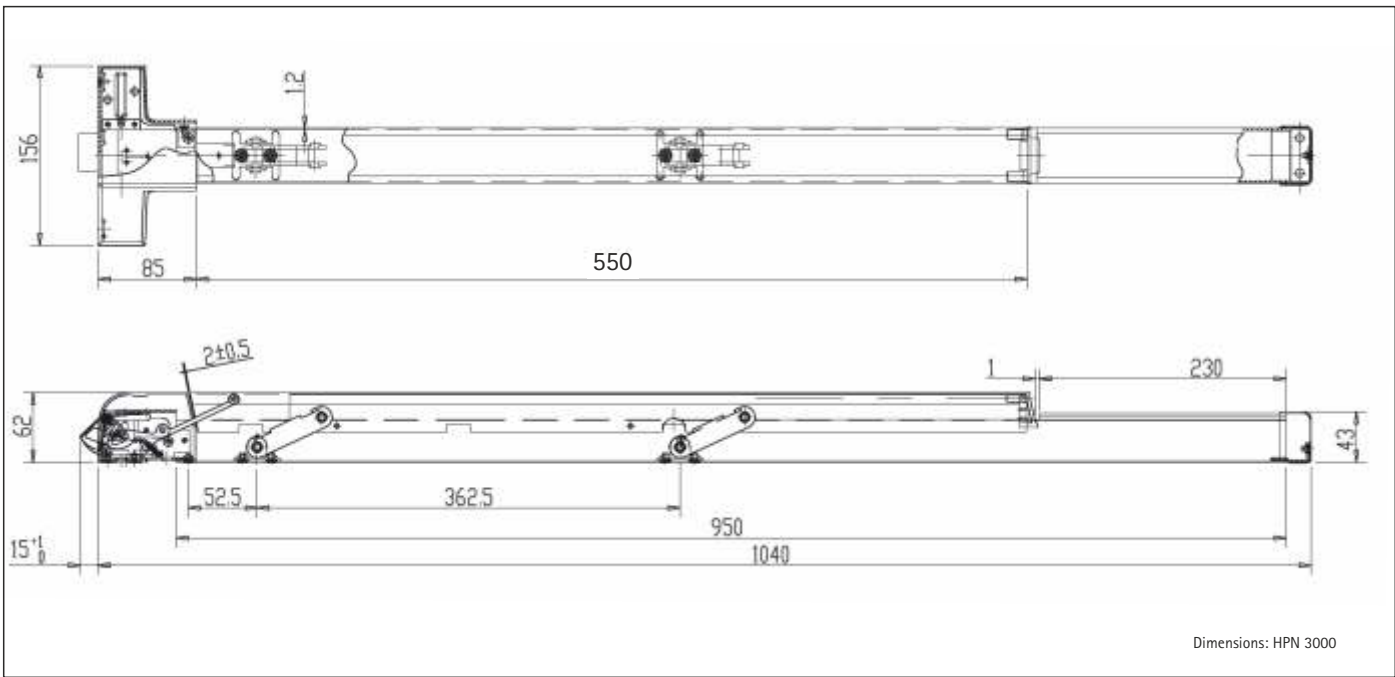


Product characteristics

- Mode of operation : Touchbar
- Lock type: Single-leaf 1 point locking | Single-leaf 2 point locking
- Fixing axis: 1000 mm
- Max. Door dimensions-
Door Height: 2400 mm | Width: 650 - 1100 mm | Thickness 45 - 50 mm
- Screw - on or screw through version
- Left / Right same version
- Door Material: Steel, Wooden, Profile Framed
- Finish: Stainless Steel & Silver Painted

Note: If the Door dimensions deviates from above sizes (Thickness & Height) special accessories will be supplied as per request

Approved & Certified Product:



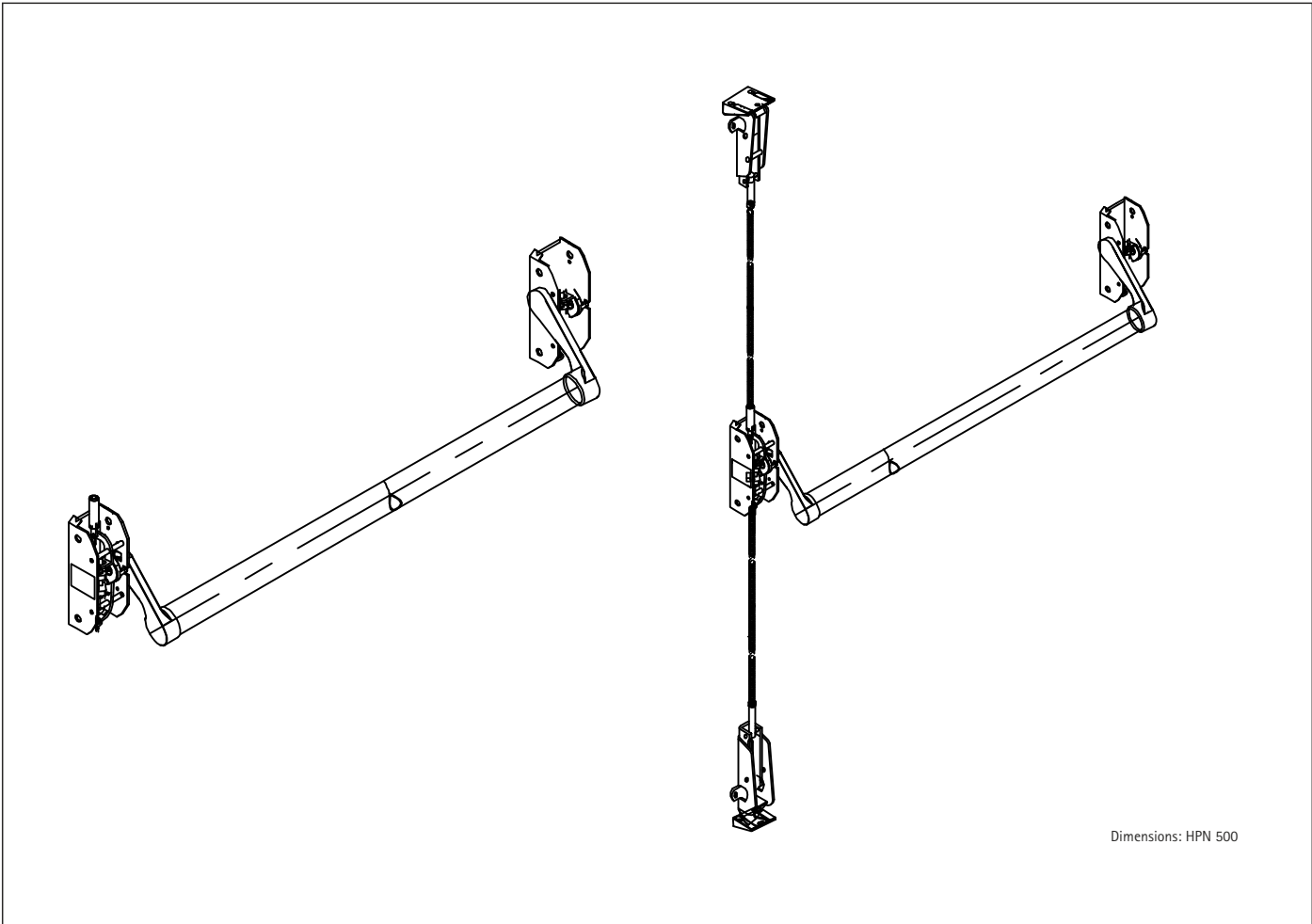
S.no.	Description	Unit	Article No.	PU
1	HPN 3000 RIM: 1 Point locking, touch bar, steel silver painted, fire rated	Set	9 228 616	01
2	HPN 3000 RIM: 1 Point locking, touch bar, stainless steel, fire rated	Set	9 228 258	01
3	HPN 3000 Vertical: 2 Point locking, touch bar, steel silver painted, fire rated	Set	9 228 617	01
4	HPN 3000 Vertical: 2 Point locking, touch bar, stainless steel, fire rated.	Set	9 228 259	01

Guardian-HPN- 500 Pushbar Type



- Product characteristics**
- ▶ Mode of operation : Pushbar
 - ▶ Lock type: Single-leaf 1 point locking | Single-leaf 2 point locking
 - ▶ Fixing axis: 1000 mm
 - ▶ Max. Door dimensions-
Door Height: 2400 mm | Width: 750 -1100 mm | Thickness 45 - 50 mm
 - ▶ Rod size: 850 mm
 - ▶ Screw - on or screw through version
 - ▶ Left / Right same version
 - ▶ Door Material: Steel, Wooden, Profile Framed
 - ▶ Finish: Stainless Steel & Silver Painted
- Note: If the Door dimensions deviates from above sizes (Height, Width & Thickness) special accessories will be supplied as per request

Approved & Certified Product:



S.no.	Description	Unit	Article No.	PU
1	HPN 500 IN RIM: 1 Point locking, Push bar, steel silver painted, fire rated	Set	9 228 622	01
2	HPN 500 IN RIM: 1 Point locking, Push bar, stainless steel, fire rated	Set	9 228 623	01
3	HPN 500 IN Vertical: 2 Point locking, Push bar, steel silver painted, fire rated	Set	9 228 624	01
4	HPN 500 IN Vertical: 2 Point locking, Push bar, stainless steel, fire rated.	Set	9 228 625	01

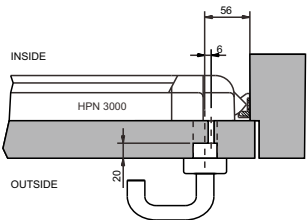
Article codes written in black are available on request.

HPN Counter handle on short plate

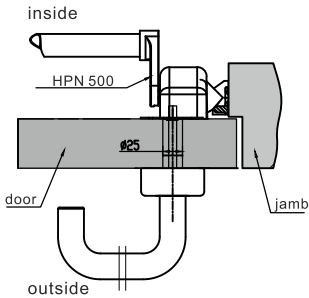


HPN Counter handle on short plate
► For Door thickness 45 - 50 mm
► Finish: Stainless Steel & Silver Painted

Note: If the Door thickness is more than 50 mm, spindles will be supplied as per request



With HPN 3000



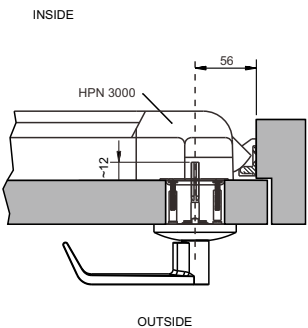
With HPN 500

S.no.	Description	Unit	Article No.	PU
1	Counter handle for HPN on shortplate Silver	Set	9 228 704	01
2	Counter handle for HPN on shortplate SS	Set	9 228 260	01

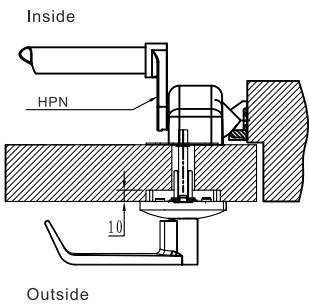
HPN Counter handle on rosette



HPN Counter handle on rosette
► Finish: Stainless Steel & Silver Painted



With HPN 3000



With HPN 500

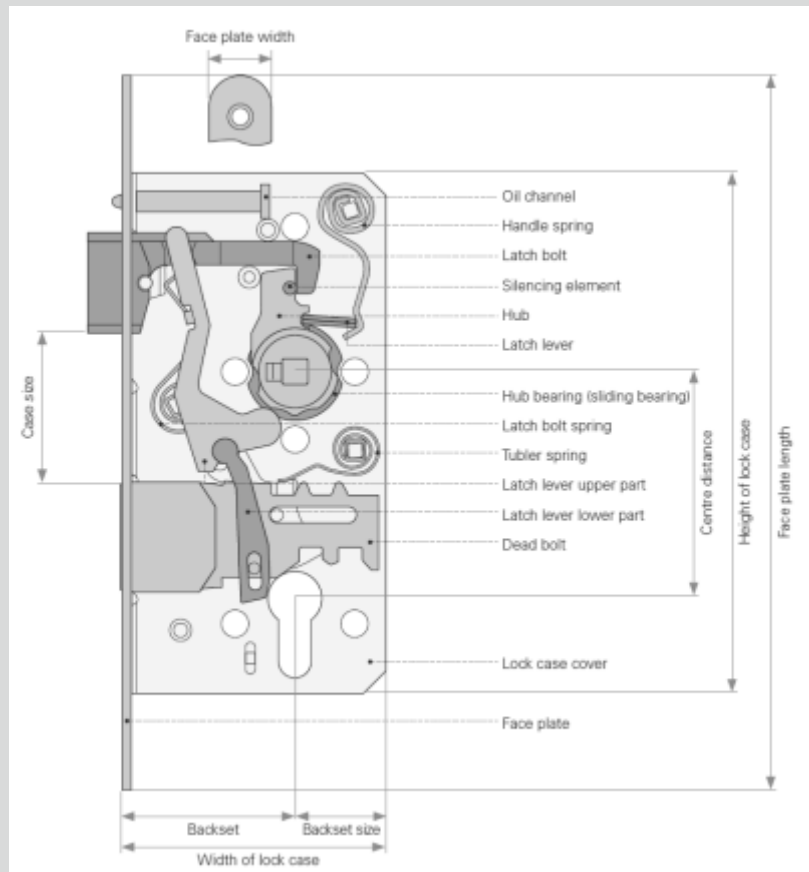
S.no.	Description	Unit	Article No.	PU
1	Counter handle for HPN on rose Silver	Set	9 228 705	01
2	Counter handle for HPN on rose SS	Set	9 228 261	01

Article codes written in black are available on request.



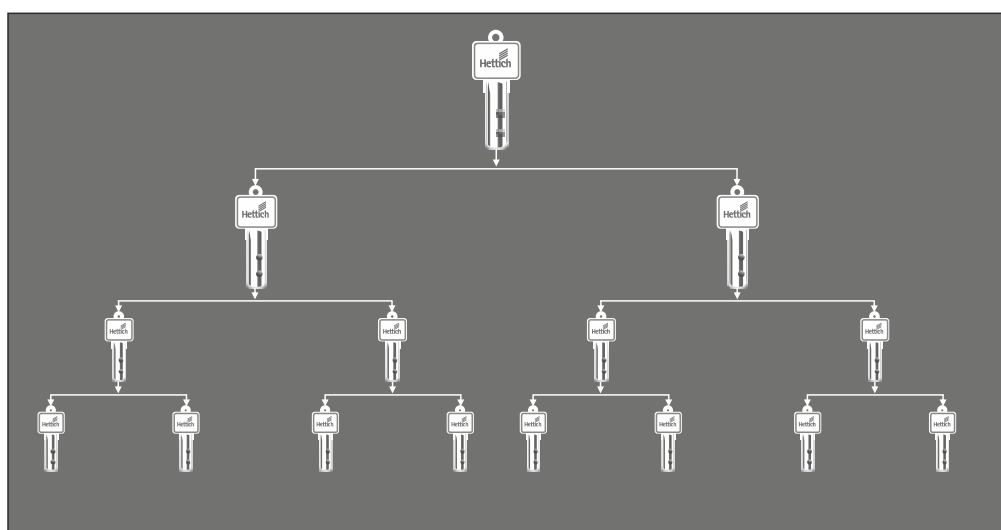
Always on the safe side

Hettich can look back on many years of experience in the development and manufacture of locks. These locks provide the highest possible level of security & reliability in all areas and function as precisely as clockwork. Long-lasting functionality and a long service life are guaranteed by state-of-the-art manufacture using high-quality materials and construction measures.



As panic locks, locks correspond with horizontal panic triggering elements and conventional fittings in the ideal manner. A defined trigger impulse ensures that the door springs open abruptly.

Master key system



- ▶ One present key needed to open any door in the house or company.
- ▶ Access can be set based on staff position.
- ▶ Suitable for all kinds of locks.

Classification Coding System – Locks and latches: EN 12209

► EN 12209 testing is evaluated as per below:

1. Category of Use

- Grade 1:** For use by people with a high incentive to exercise care and with a small chance of misuse, e.g. residential doors
- Grade 2:** For use by people with some incentive to exercise care but where there is some chance of misuse, e.g. office doors
- Grade 3:** For use by the public where there is little incentive to exercise care, high chance of misuse, e.g. doors in public buildings

2. Durability

- Grade A:** 50,000 Test cycles; no load on latch bolt
- Grade B:** 100,000 Test cycles; no load on latch bolt
- Grade C:** 200,000 Test cycles; no load on latch bolt
- Grade F:** 50,000 Test cycles; 10N load on latch bolt
- Grade G:** 100,000 Test cycles; 10N load on latch bolt
- Grade H:** 200,000 Test cycles; 10N load on latch bolt
- Grade L:** 100,000 Test cycles; 25N load on latch bolt
- Grade M:** 200,000 Test cycles; 25N load on latch bolt
- Grade R:** 100,000 Test cycles; 50N load on latch bolt
- Grade S:** 200,000 Test cycles; 50N load on latch bolt
- Grade W:** 100,000 Test cycles; 120N load on latch bolt
- Grade X:** 200,000 Test cycles; 120N load on latch bolt

3. Door mass and closing force

- Grade 1:** Up to 100kg; 50N max. closing force
- Grade 2:** Up to 200kg; 50N max. closing force
- Grade 3:** Above 200kg (or specified by the manufacturer); 50N max. closing force
- Grade 4:** Up to 100kg; 25N max. closing force
- Grade 5:** Up to 200kg; 25N max. closing force
- Grade 6:** Above 200kg (or specified by the manufacturer); 25N max. closing force
- Grade 7:** Up to 100kg; max. 15N closing force
- Grade 8:** Up to 200kg; max. 15N closing force
- Grade 9:** Above 200kg (or specified by the manufacturer); 15N max. closing force

4. Suitability for use on fire/smoke doors

- Grade 0:** Not approved for use on fire/smoke resisting door assemblies
- Grade 1:** Suitable for use on fire/smoke resisting door assemblies, subject to satisfactory assessment of the contribution of the lock or latch to the fire resistance of specified fire/smoke resisting door assemblies

5. Safety

- Grade 0:** No safety requirement

6. Corrosion resistance and temperature

- Grade 0:** No defined corrosion resistance, no temperature requirement
- Grade A:** Low corrosion resistance, no temperature requirement
- Grade B:** Moderate corrosion resistance, no temperature requirement
- Grade C:** High corrosion resistance, no temperature requirement
- Grade D:** Very high corrosion resistance, no temperature requirement
- Grade E:** Moderate corrosion resistance, Temperature requirement: from -20°C - +80°C
- Grade F:** High corrosion resistance, Temperature requirement: -20°C - +80°C
- Grade G:** Very high corrosion resistance, Temperature requirement: -20°C - +80°C

7. Security and drill resistance

- Grade 1:** Minimum security and no drill resistance
- Grade 2:** Low security and no drill resistance
- Grade 3:** Medium security and no drill resistance
- Grade 4:** High security and no drill resistance
- Grade 5:** High security with drill resistance
- Grade 6:** Very high security and no drill resistance
- Grade 7:** Very high security with drill resistance

8. Field of door application

Grade	Type	Door	For end Supported	Egress control by key
A	Mortice	Hinged and sliding door*	No	
B	Mortice	Hinged door	No	
C	Mortice	Sliding door	No	
D	Rim	Hinged and sliding door*	No	
E	Rim	Hinged door	No	
F	Rim	Sliding door	No	
H	Mortice	Hinged door	Yes	
J	Rim	Hinged and sliding door*	No	
K	Mortice	Hinged door	No	Yes
L	Mortice	Sliding door	No	Yes
M	Rim	Hinged door	No	Yes
N	Rim	Sliding door	No	Yes
P	Mortice	Hinged door	Yes	Yes
R	Rim	Hinged door (Inward opening only)	No	Yes
S	Mortice	Hinged and sliding door*	No	Yes
T	Rim	Hinged and sliding door*	No	Yes

*Unrestricted

9. Type of key operation and locking

Grade 0: Not applicable

Grade A: Cylinder lock or latch; manually locking

Grade B: Cylinder lock or latch; automatically locking

Grade C: Cylinder lock or latch; manually locking with intermediate locking

Grade D: Lever lock or latch; manually locking

Grade E: Lever lock or latch; automatically locking

Grade F: Lever lock or latch; manually locking with intermediate locking

Grade G: Lock or latch without key operation; manually locking

Grade H: Lock without key operation; automatically locking

10. Type of spindle operation

Grade 0: Lock or latch without follower

Grade 1: Lock or latch for knob or sprung lever handle operation

Grade 2: Lock or latch for unsprung lever handle operation

Grade 3: Lock or latch for heavy duty unsprung lever handle operation

Grade 3: Lock or latch for heavy duty unsprung lever handle operation specified by the manufacturer

11. Key identification requirement

Grade 0: No requirements

Grade A: Minimum three detaining elements

Grade B: Minimum five detaining elements

Grade C: Minimum five detaining elements, Extended number of effective locking elements differ

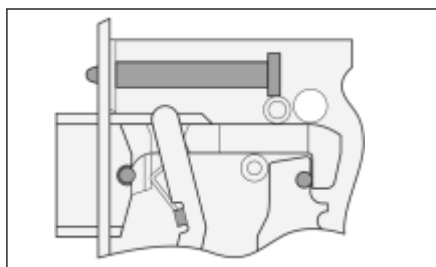
Grade D: Minimum six detaining elements

Grade E: Minimum six detaining elements, Extended number of effective locking elements differ

Grade F: Minimum seven detaining elements

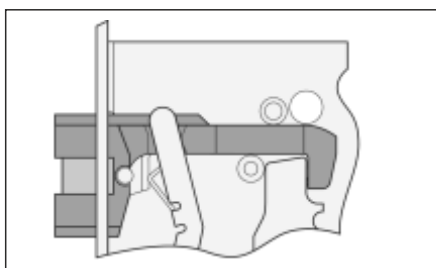
Grade G: Minimum seven detaining elements, Extended number of effective locking elements differ

Grade H: Minimum eight detaining elements, Extended number of effective locking elements differ



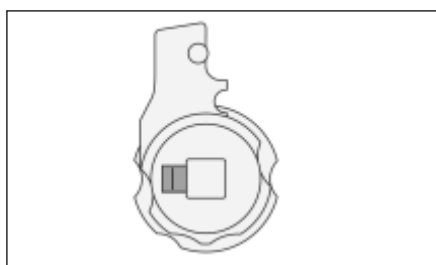
Optional silencing

- Locks have the option of silencing by means of a sound insulating rubber element on the latch bolt. Another speciality is an integrated oil channel that lubricates all of the moving parts of the lock. No additional recesses in the lock pocket are required because all DIN dimensions are complied with.



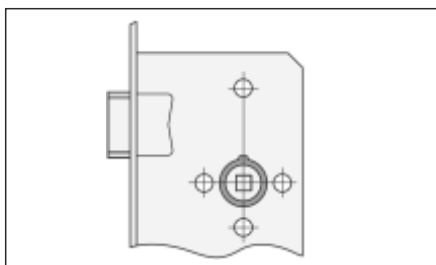
Triple latch bolt

- Instead of hitting the strike plate, the triple latch bolt is pressed back into the lock by a lever mechanism. An additional milling groove should be cut in the lock pocket to install the crank latch.



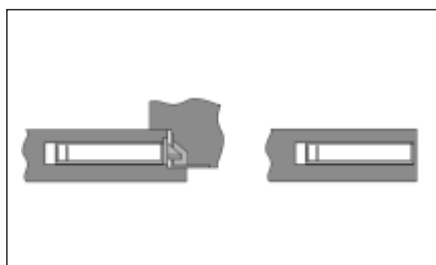
Spring hub

- A spring in the handle hub jams the pinion of the handle. This results in the precise guiding of the split spindle and thereby the door handle. Tolerances are compensated. The hub is smoothly mounted in a wear resistant plastic bearing. Mortise locks with sliding bearings provide the best possible ease of operation, even when used intensively.



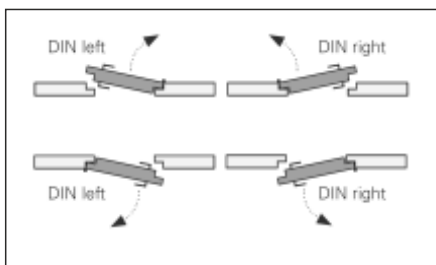
Protection bushings

- Hettich offers locks with protection bushings fitted in the standard lock attachment drill holes to prevent wood or metal drill shavings from falling into the locking mechanism during assembly and impairing its functionality.



Locks and strike plates for all notch types

- Mortise locks with a face plate mounted on one side and angular striking plates are required for rebated doors. A mortise lock with a centred face plate and flat striking plate is required for flush edge doors.



Mortise locks left/right

- Mortise locks are designated in accordance with DIN 107 from the side of the door where the hinges are visible. Hinges visible on the left side = DIN left, hinges visible on the right side = DIN right.

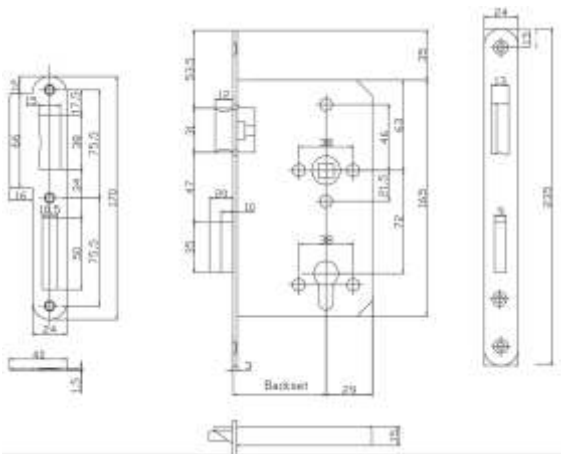
Sash Lock



- ▶ Lock type : PZ - 72 W (W = handle/knob execution)
- ▶ Backset : 55/60 mm
- ▶ Face plate: Stainless steel
- ▶ Face plate width: 24 mm / Hub: 8 mm
- ▶ With closed lock case with 3 - fold fastening
- ▶ Lock case: zinc - plated.
- ▶ For doors with high frequency
- ▶ Shiftable latch bolt. Latch bolt can be shifted without opening the lock case. With silencing elements.
- ▶ Striking plate, white plastic box and screws included.
- ▶ Left / Right same version
- ▶ Door Material: Steel, Wooden Doors



Stainless Steel Antique Brass Polished Stainless steel Matt Black Satin Gold/Satin Brass



Dimensions: Sash Lock

S.no.	Description	Unit	Article No.	PU
1	HBS 31 FSL: Sash Lock DIN Left/Right CTC 72 & Backset 55 SS	Set	9 228 136	01
2	HBS 31 FSL: Sash Lock DIN Left/Right CTC 72 & Backset 60 SS	Set	9 228 137	01
3	HBS 31 FSL: Sash Lock DIN Left/Right CTC 72 & Backset 55 AB	Set	9 250 117	01
4	HBS 31 FSL: Sash Lock DIN Left/Right CTC 72 & Backset 60 AB	Set	9 250 118	01
5	HBS 31 FSL: Sash Lock DIN Left/Right CTC 72 & Backset 55 PSS	Set	9 250 163	01
6	HBS 31 FSL: Sash Lock DIN Left/Right CTC 72 & Backset 60 PSS	Set	9 250 164	01
7	HBS 31 FSL: Sash Lock DIN Left/Right CTC 72 & Backset 55 BL	Set	9 250 209	01
8	HBS 31 FSL: Sash Lock DIN Left/Right CTC 72 & Backset 60 BL	Set	9 250 210	01
9	HBS 31 FSL: Sash Lock DIN Left/Right CTC 72 & Backset 55 SG	Set	9 250 255	01
10	HBS 31 FSL: Sash Lock DIN Left/Right CTC 72 & Backset 60 SG	Set	9 250 256	01
11	HBS 31 FSL: Sash Lock DIN Left/Right CTC 72 & Backset 55 SS	Set	9 250 555	01

Article codes written in black are available on request.

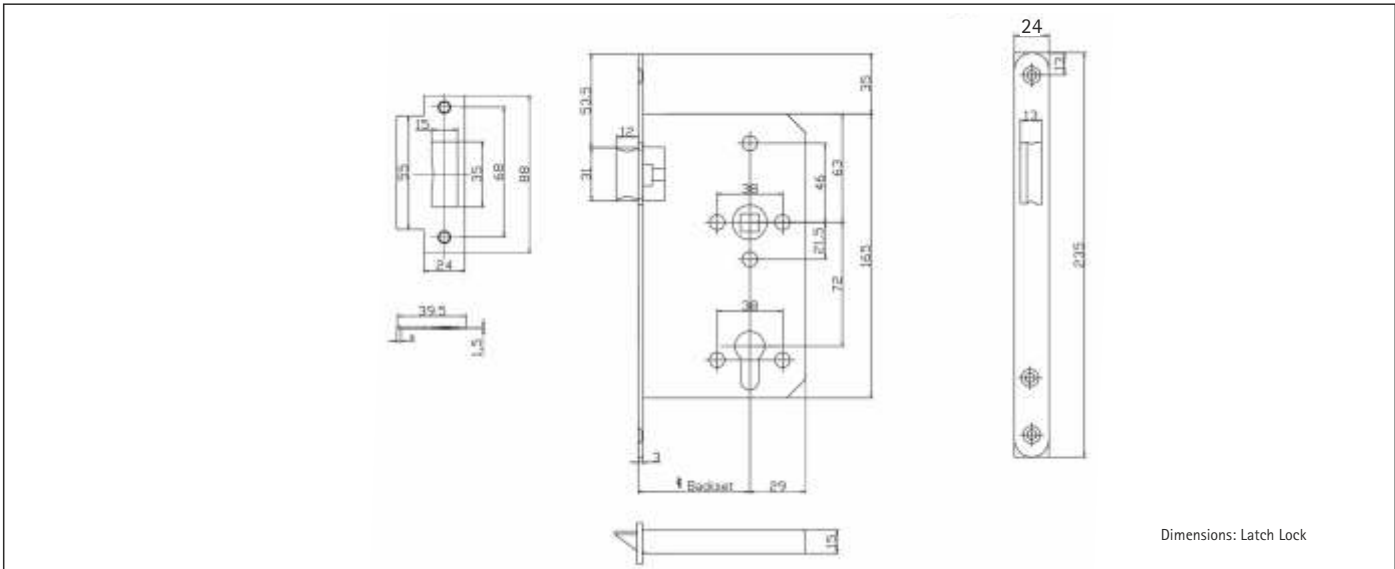
Latch Lock



- ▶ Lock type : 72 W (W = handle/knob execution)
- ▶ Backset : 55/60 mm
- ▶ Face plate: Stainless steel
- ▶ Face plate width: 24 mm / Hub: 8 mm
- ▶ With closed lock case with 3 - fold fastening
- ▶ Lock case: zinc - plated.
- ▶ For doors with high frequency
- ▶ Shiftable latch bolt. Latch bolt can be shifted without opening the lock case. With silencing elements.
- ▶ Striking plate, white plastic box and screws included.
- ▶ Left / Right same version
- ▶ Door Material: Steel, Wooden Doors



Stainless Steel Antique Brass Polished Stainless steel Matt Black Satin Gold/Satin Brass



S.no.	Description	Unit	Article No.	PU
1	HBS 31 FLL: Latch Lock DIN Left/Right CTC 72 & Backset 55 SS	Set	9 228 138	01
2	HBS 31 FLL: Latch Lock DIN Left/Right CTC 72 & Backset 60 SS	Set	9 228 139	01
3	HBS 31 FLL: Latch Lock DIN Left/Right CTC 72 & Backset 55 AB	Set	9 250 119	01
4	HBS 31 FLL: Latch Lock DIN Left/Right CTC 72 & Backset 60 AB	Set	9 250 120	01
5	HBS 31 FLL: Latch Lock DIN Left/Right CTC 72 & Backset 55 PSS	Set	9 250 165	01
6	HBS 31 FLL: Latch Lock DIN Left/Right CTC 72 & Backset 60 PSS	Set	9 250 166	01
7	HBS 31 FLL: Latch Lock DIN Left/Right CTC 72 & Backset 55 BL	Set	9 250 211	01
8	HBS 31 FLL: Latch Lock DIN Left/Right CTC 72 & Backset 60 BL	Set	9 250 212	01
9	HBS 31 FLL: Latch Lock DIN Left/Right CTC 72 & Backset 55 SG	Set	9 250 257	01
10	HBS 31 FLL: Latch Lock DIN Left/Right CTC 72 & Backset 60 SG	Set	9 250 258	01

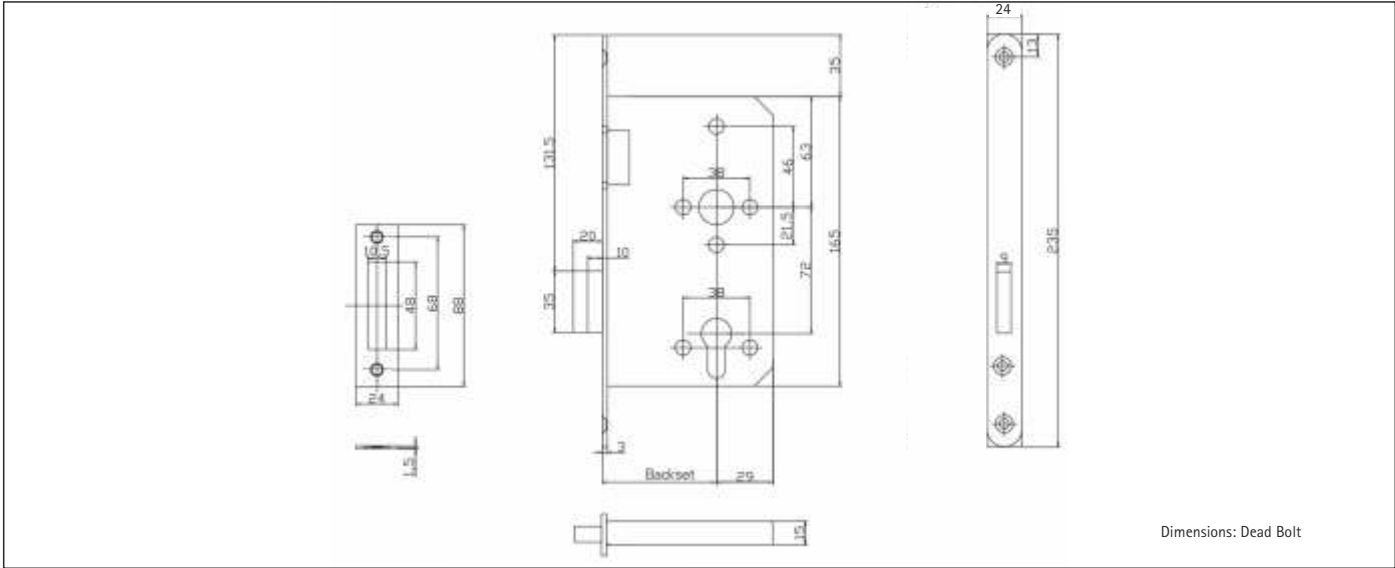
Article codes written in black are available on request.

Dead Bolt Lock



- ▶ Lock type : PZ 72
- ▶ Backset : 55/60 mm
- ▶ Face plate: Stainless steel
- ▶ Face plate width: 24 mm
- ▶ With closed lock case with 3 - fold fastening
- ▶ Lock case: zinc - plated.
- ▶ For doors with high frequency
- ▶ Striking plate, white plastic box and screws included.
- ▶ Left / Right same version
- ▶ Door Material: Steel, Wooden Doors

Note: Please order Escutcheon separately



S.no.	Description	Unit	Article No.	PU
1	HBS 31 FDL: Dead Lock DIN Left/Right CTC 72 & Backset 55 SS	Set	9 228 140	01
2	HBS 31 FDL: Dead Lock DIN Left/Right CTC 72 & Backset 60 SS	Set	9 228 141	01
3	HBS 31 FDL: Dead Lock DIN Left/Right CTC 72 & Backset 55 AB	Set	9 250 121	01
4	HBS 31 FDL: Dead Lock DIN Left/Right CTC 72 & Backset 60 AB	Set	9 250 122	01
5	HBS 31 FDL: Dead Lock DIN Left/Right CTC 72 & Backset 55 PSS	Set	9 250 167	01
6	HBS 31 FDL: Dead Lock DIN Left/Right CTC 72 & Backset 60 PSS	Set	9 250 168	01
7	HBS 31 FDL: Dead Lock DIN Left/Right CTC 72 & Backset 55 BL	Set	9 250 213	01
8	HBS 31 FDL: Dead Lock DIN Left/Right CTC 72 & Backset 60 BL	Set	9 250 214	01
9	HBS 31 FDL: Dead Lock DIN Left/Right CTC 72 & Backset 55 SG	Set	9 250 259	01
10	HBS 31 FDL: Dead Lock DIN Left/Right CTC 72 & Backset 60 SG	Set	9 250 260	01

Article codes written in black are available on request.

Bathroom Lock

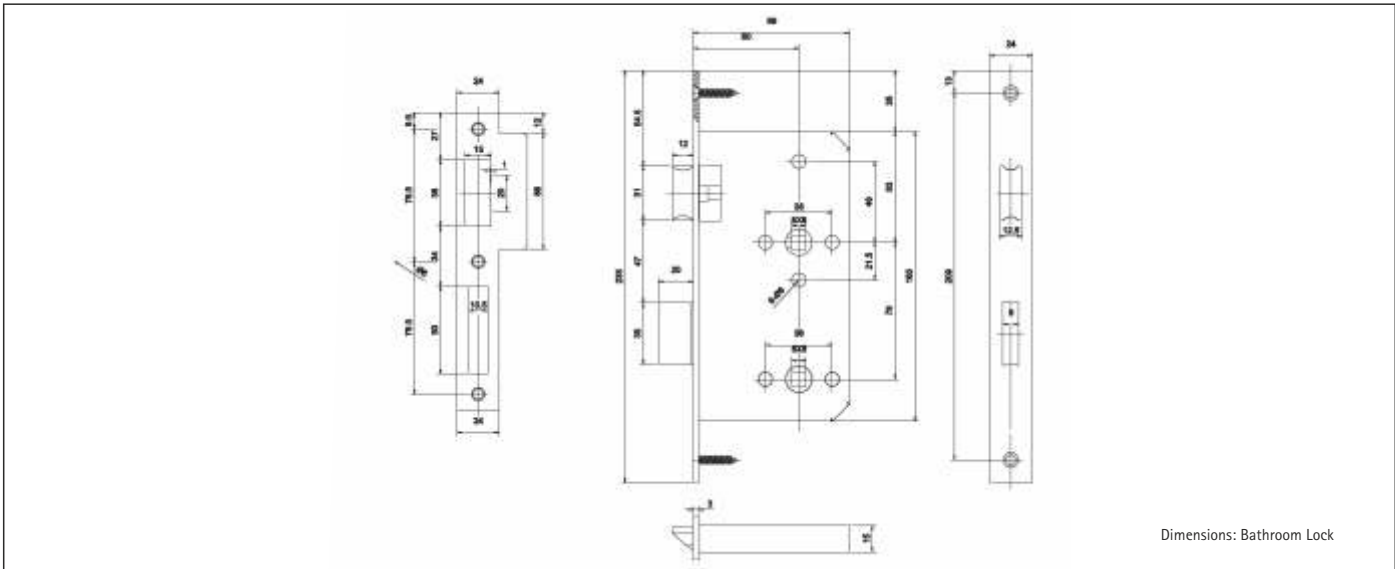


- ▶ Lock type : PZ 78W (W = handle/knob execution), WC-78
- ▶ Backset : 55/60 mm
- ▶ Face plate: Stainless steel
- ▶ Face plate width: 24 mm / Hub: 8 mm
- ▶ With closed lock case with 3 - fold fastening
- ▶ Lock case: zinc - plated.
- ▶ For doors with high frequency
- ▶ Striking plate, white plastic box and screws included.
- ▶ Left / Right same version
- ▶ Door Material: Steel, Wooden Doors

Note: To be used along with Prolock 1/2 WC versions handles.
(please order handle separately)



Stainless Steel Antique Brass Polished Stainless steel Matt Black Satin Gold/Satin Brass



Dimensions: Bathroom Lock

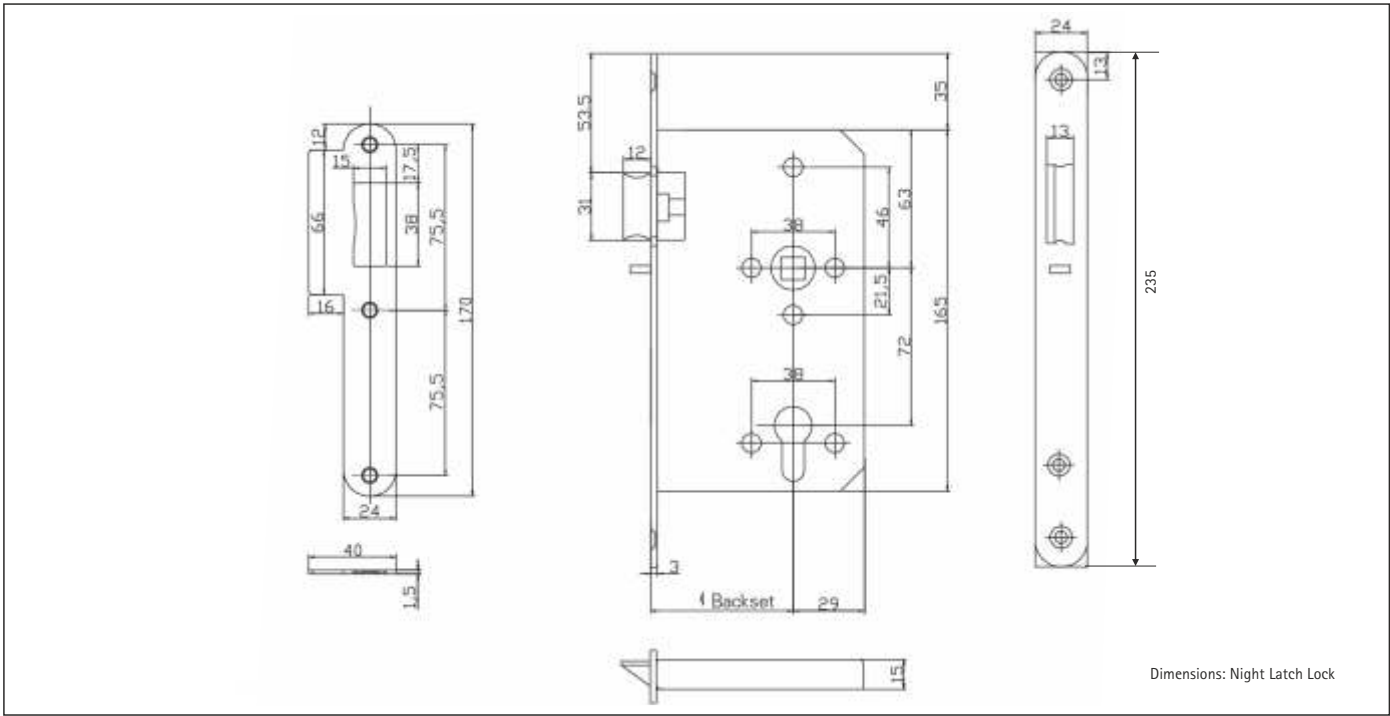
S.no.	Description	Unit	Article No.	PU
1	HBS 31 FBL: Bathroom Lock DIN Left/Right CTC 78 & Backset 55 SS	Set	9 228 142	01
2	HBS 31 FBL: Bathroom Lock DIN Left/Right CTC 78 & Backset 60 SS	Set	9 228 143	01
3	HBS 31 FBL: Bathroom Lock DIN Left/Right CTC 78 & Backset 55 AB	Set	9 250 123	01
4	HBS 31 FBL: Bathroom Lock DIN Left/Right CTC 78 & Backset 60 AB	Set	9 250 124	01
5	HBS 31 FBL: Bathroom Lock DIN Left/Right CTC 78 & Backset 55 PSS	Set	9 250 169	01
6	HBS 31 FBL: Bathroom Lock DIN Left/Right CTC 78 & Backset 60 PSS	Set	9 250 170	01
7	HBS 31 FBL: Bathroom Lock DIN Left/Right CTC 78 & Backset 55 BL	Set	9 250 215	01
8	HBS 31 FBL: Bathroom Lock DIN Left/Right CTC 78 & Backset 60 BL	Set	9 250 216	01
9	HBS 31 FBL: Bathroom Lock DIN Left/Right CTC 78 & Backset 55 SG	Set	9 250 261	01
10	HBS 31 FBL: Bathroom Lock DIN Left/Right CTC 78 & Backset 60 SG	Set	9 250 262	01

Article codes written in black are available on request.

Night Latch Lock



- ▶ Lock type : PZ 72W (W = handle/knob execution)
- ▶ Backset : 55/60 mm
- ▶ Face plate: Stainless steel
- ▶ Face plate width: 24 mm / Hub: 8 mm
- ▶ With closed lock case with 3 - fold fastening
- ▶ Lock case: zinc - plated.
- ▶ For doors with high frequency
- ▶ Striking plate, white plastic box and screws included.
- ▶ Left / Right same version
- ▶ Door Material: Steel, Wooden Doors



S.no.	Description	Unit	Article No.	PU
1	HBS 31 FNL: Night Latch Lock DIN Left/Right CTC 72 Et Backset 55	Set	9 228 144	01
2	HBS 31 FNL: Night Latch Lock DIN Left/Right CTC 72 Et Backset 60	Set	9 228 145	01

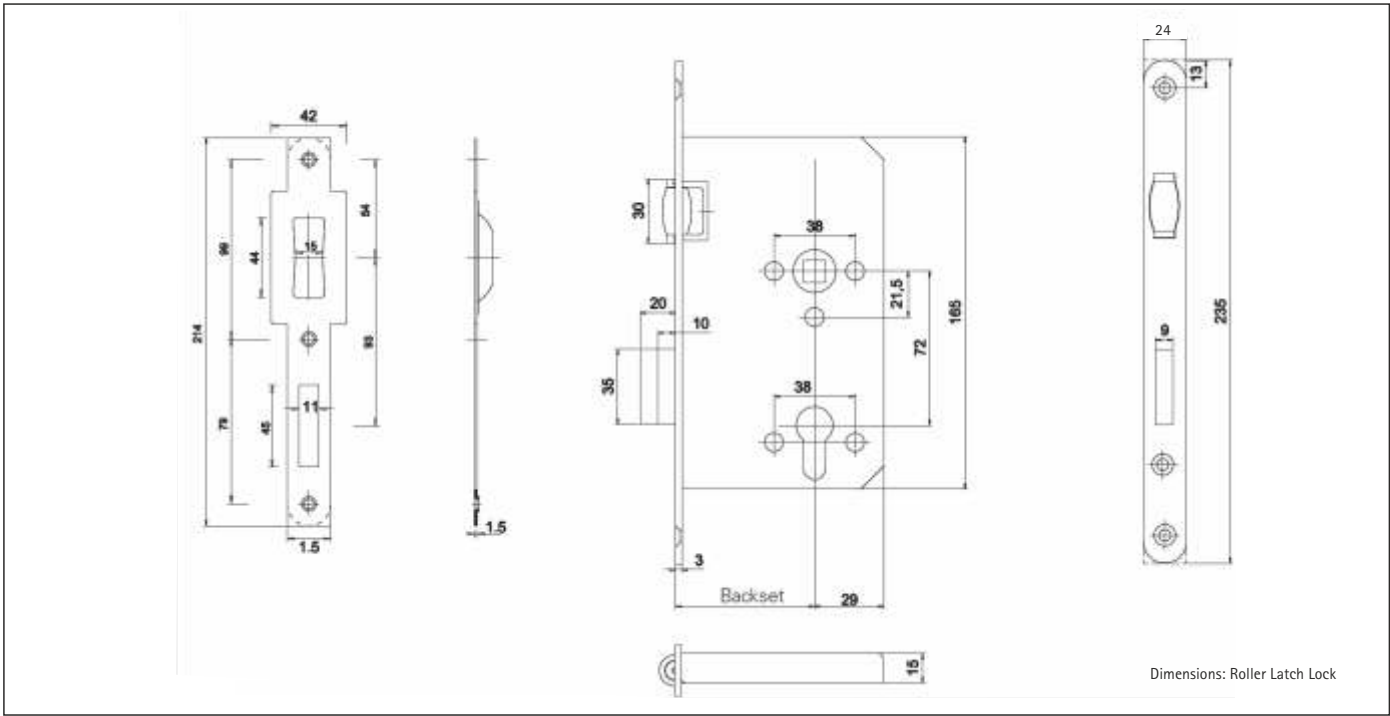
Article codes written in black are available on request.

Roller Latch Lock



- ▶ Lock type : PZ 72 (handle/knob)
- ▶ Backset : 55/60 mm
- ▶ Face plate: Stainless steel
- ▶ Face plate width: 24 mm / Hub: 8 mm
- ▶ Lock case: Stainless steel 304
- ▶ Double - turn: 20 mm
- ▶ Striking plate, white plastic box and screws included.
- ▶ Left / Right same version
- ▶ Door Material: Steel, Wooden Doors

Note: Please order Escutcheon separately



S.no.	Description	Unit	Article No.	PU
1	HBS 31 FRL: Roller Latch Lock DIN Left/Right CTC 72 Et Backset 55	Set	9 228 146	01
2	HBS 31 FRL: Roller Latch Lock DIN Left/Right CTC 72 Et Backset 60	Set	9 228 147	01
3	Escutcheon	Set	9 228 459	01

Article codes written in black are available on request.

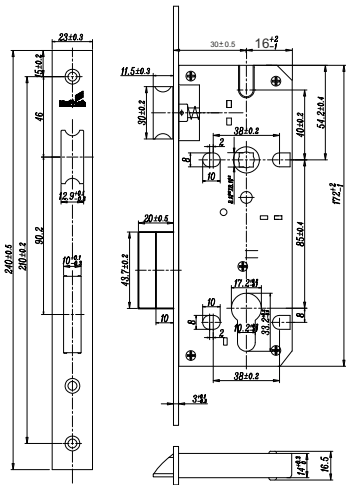
Profile Sash Lock



- Lock type: PZ-85/92 (W=handle/knob execution)
- Backset: 30/35 mm
- Face plate: stainless steel
- Face plate width: 23mm / Hub: 8mm
- With closed lock case
- Lock case: Iron-milk white coating
- For doors with high frequency
- Left/right handed version in same model.
- Shiftable latch bolt. Latch bolt can be shift without opening lock case.
- Strike plate, anti-dust box and screws included.
- Sash lock/latch lock/dead bolt lock are optional available
- Door material: timber door / aluminium alloy door



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Dimensions: Profile Sash Lock

S.no.	Description	Unit	Article No.	PU
1	HBS 31 FSL: Profile Sash Lock DIN Left/Right CTC 92 & Backset 30 SS	Set	9 228 151	01
2	HBS 31 FSL: Profile Sash Lock DIN Left/Right CTC 85 & Backset 30 SS	Set	9 250 116	01
3	HBS 31 FSL: Profile Sash Lock DIN Left/Right CTC 85 & Backset 35 SS	Set	9 228 575	01
4	HBS 31 FSL: Profile Sash Lock DIN Left/Right CTC 85 & Backset 30 AB	Set	9 250 127	01
5	HBS 31 FSL: Profile Sash Lock DIN Left/Right CTC 85 & Backset 35 AB	Set	9 250 128	01
6	HBS 31 FSL: Profile Sash Lock DIN Left/Right CTC 85 & Backset 30 PSS	Set	9 250 173	01
7	HBS 31 FSL: Profile Sash Lock DIN Left/Right CTC 85 & Backset 35 PSS	Set	9 250 174	01
8	HBS 31 FSL: Profile Sash Lock DIN Left/Right CTC 85 & Backset 30 BL	Set	9 250 219	01
9	HBS 31 FSL: Profile Sash Lock DIN Left/Right CTC 85 & Backset 35 BL	Set	9 250 220	01
10	HBS 31 FSL: Profile Sash Lock DIN Left/Right CTC 85 & Backset 30 SG	Set	9 250 265	01
11	HBS 31 FSL: Profile Sash Lock DIN Left/Right CTC 85 & Backset 35 SG	Set	9 250 266	01

Article codes written in black are available on request.

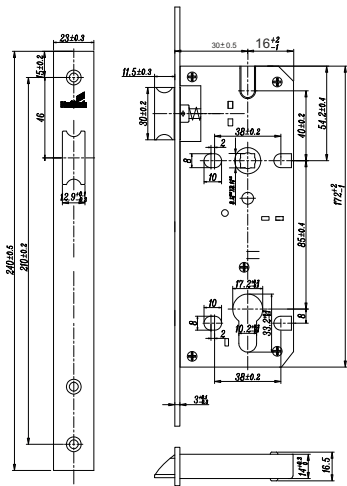
Profile Latch Lock



- ▶ Lock type: PZ-85 (W=handle/knob execution)
- ▶ Backset: 30/35 mm
- ▶ Face plate: stainless steel
- ▶ Face plate width: 23mm / Hub: 8mm
- ▶ With closed lock case
- ▶ Lock case: Iron-milk white coating
- ▶ For doors with high frequency
- ▶ Left/right handed version in same model.
- ▶ Shiftable latch bolt. Latch bolt can be shift without opening lock case.
- ▶ Strike plate, anti-dust box and screws included.
- ▶ Sash lock/latch lock/dead bolt lock are optional available
- ▶ Door material: timber door / aluminium alloy door



Stainless Steel Antique Brass Polished Stainless steel Matt Black Satin Gold/Satin Brass



Dimensions: Profile Latch Lock

S.no.	Description	Unit	Article No.	PU
1	HBS 31 FLL: Profile Latch Lock DIN Left/Right CTC 85 & Backset 30 SS	Set	9 228 580	01
2	HBS 31 FLL: Profile Latch Lock DIN Left/Right CTC 85 & Backset 35 SS	Set	9 228 581	01
3	HBS 31 FLL: Profile Latch Lock DIN Left/Right CTC 85 & Backset 30 AB	Set	9 250 133	01
4	HBS 31 FLL: Profile Latch Lock DIN Left/Right CTC 85 & Backset 35 AB	Set	9 250 134	01
5	HBS 31 FLL: Profile Latch Lock DIN Left/Right CTC 85 & Backset 30 PSS	Set	9 250 179	01
6	HBS 31 FLL: Profile Latch Lock DIN Left/Right CTC 85 & Backset 35 PSS	Set	9 250 180	01
7	HBS 31 FLL: Profile Latch Lock DIN Left/Right CTC 85 & Backset 30 BL	Set	9 250 225	01
8	HBS 31 FLL: Profile Latch Lock DIN Left/Right CTC 85 & Backset 35 BL	Set	9 250 226	01
9	HBS 31 FLL: Profile Latch Lock DIN Left/Right CTC 85 & Backset 30 SG	Set	9 250 271	01
10	HBS 31 FLL: Profile Latch Lock DIN Left/Right CTC 85 & Backset 35 SG	Set	9 250 272	01

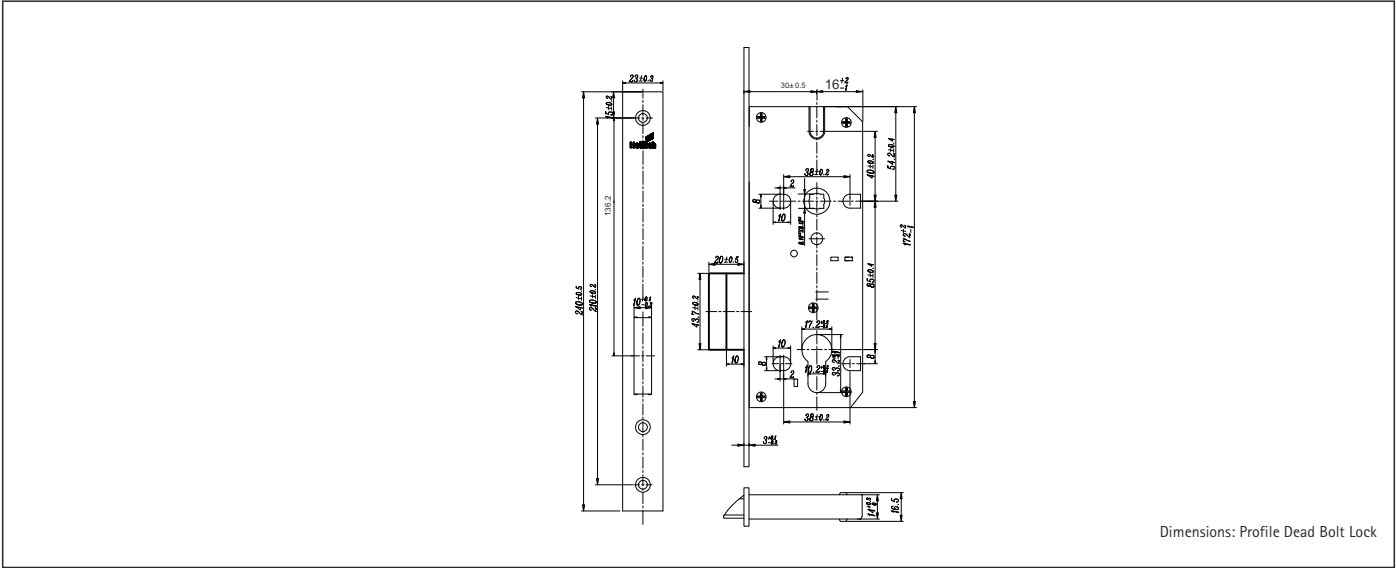
Article codes written in black are available on request.

Profile Dead Bolt lock



- Lock type: PZ-85 (W=handle/knob execution)
- Backset: 30/35 mm
- Face plate: stainless steel
- Face plate width: 23mm / Hub: 8mm
- With closed lock case
- Lock case: Iron-milk white coating
- For doors with high frequency
- Left/right handed version in same model.
- Shiftable latch bolt. Latch bolt can be shift without opening lock case.
- Strike plate, anti-dust box and screws included.
- Sash lock/latch lock/dead bolt lock are optional available
- Door material: timber door / aluminium alloy door

* Please Order Escutcheon separately

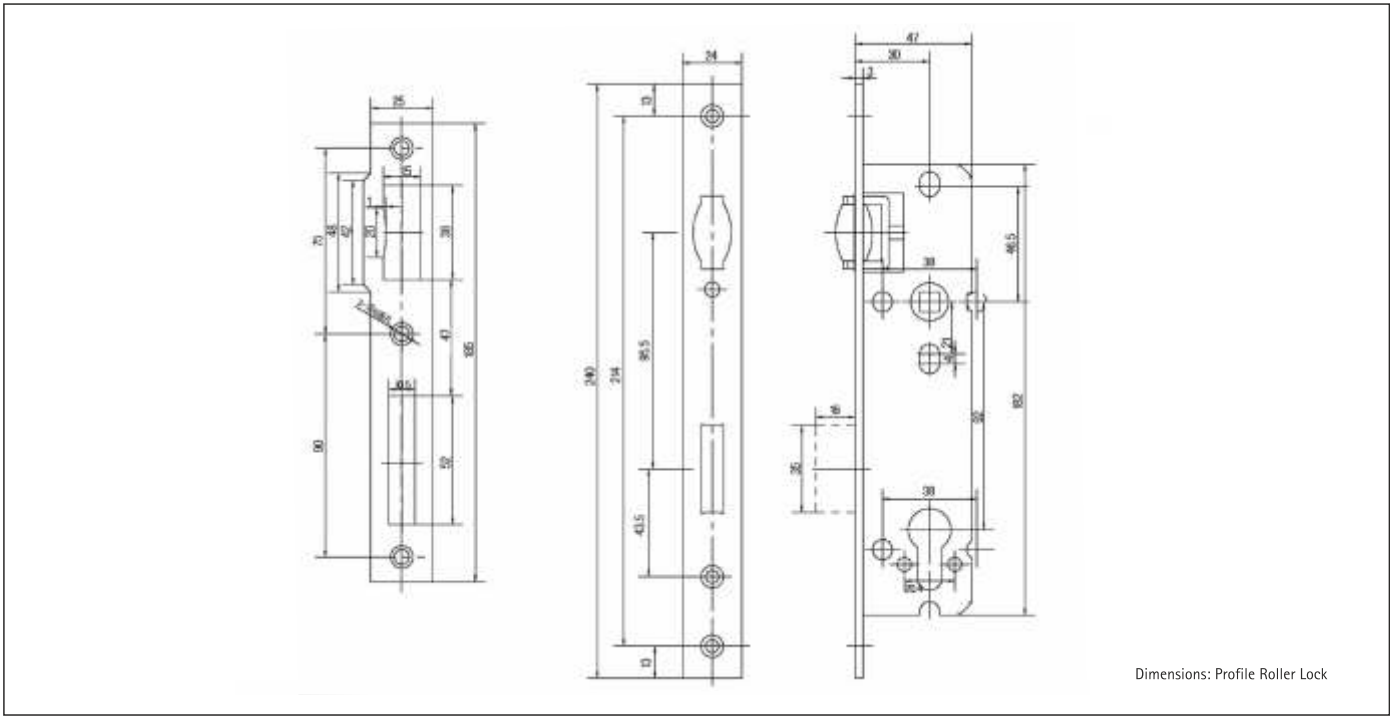


S.no.	Description	Unit	Article No.	PU
1	HBS 31 FDL: Profile Dead Lock DIN Left/Right CTC 85 & Backset 30 SS	Set	9 228 586	01
2	HBS 31 FDL: Profile Dead Lock DIN Left/Right CTC 85 & Backset 35 SS	Set	9 228 587	01
3	HBS 31 FDL: Profile Dead Lock DIN Left/Right CTC 85 & Backset 30 AB	Set	9 250 139	01
4	HBS 31 FDL: Profile Dead Lock DIN Left/Right CTC 85 & Backset 35 AB	Set	9 250 140	01
5	HBS 31 FDL: Profile Dead Lock DIN Left/Right CTC 85 & Backset 30 PSS	Set	9 250 185	01
6	HBS 31 FDL: Profile Dead Lock DIN Left/Right CTC 85 & Backset 35 PSS	Set	9 250 186	01
7	HBS 31 FDL: Profile Dead Lock DIN Left/Right CTC 85 & Backset 30 BL	Set	9 250 231	01
8	HBS 31 FDL: Profile Dead Lock DIN Left/Right CTC 85 & Backset 35 BL	Set	9 250 232	01
9	HBS 31 FDL: Profile Dead Lock DIN Left/Right CTC 85 & Backset 30 SG	Set	9 250 277	01
10	HBS 31 FDL: Profile Dead Lock DIN Left/Right CTC 85 & Backset 35 SG	Set	9 250 278	01

Profile Roller lock

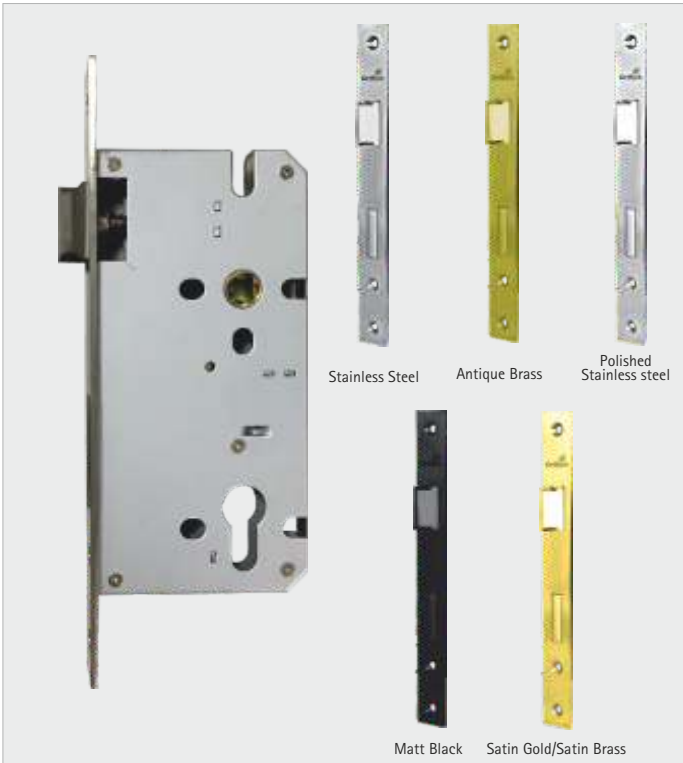


- ▶ Lock type : PZ-92
- ▶ Backset : 30 mm
- ▶ Face plate: Stainless steel
- ▶ Face plate width: 24mm, Hub: 8mm
- ▶ Lock case: zinc – plated
- ▶ Stainless steel 304
- ▶ DIN left / DIN right useable
- ▶ Single turn: 16 mm
- ▶ Striking plate, white plastic box and screws included
- ▶ Left / Right useable
- ▶ Door Material: Profile frame Doors

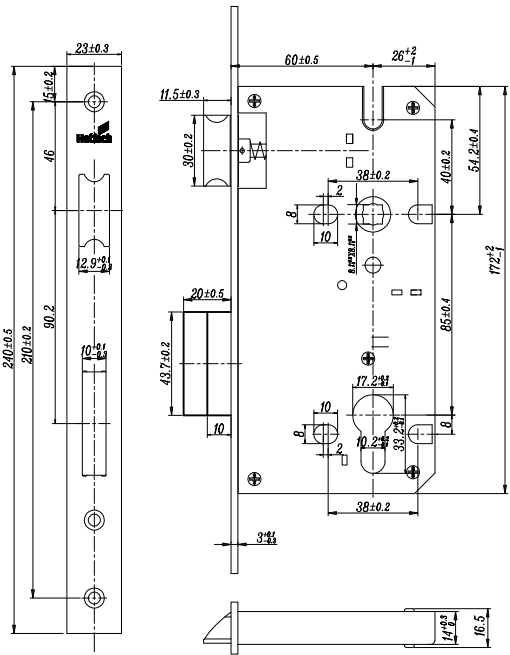


S.no.	Description	Unit	Article No.	PU
1	HBS 31 FRL: Roller Latch Profile Lock DIN Left/Right CTC 92 & Backset 30	Set	9 228 152	01

Sash lock



- Lock type: PZ-85 (W=handle/knob execution)
- Backset: 45/50/55/60mm
- Face plate: stainless steel
- Face plate width: 23mm / Hub: 8mm
- With closed lock case
- Lock case: Galvanized Steel
- For doors with high frequency
- Left/right handed version in same model.
- Shiftable latch bolt. Latch bolt can be shift without opening lock case.
- Strike plate, anti-dust box and screws included.
- Sash lock/latch lock/dead bolt lock are optional available
- Door material: timber door



Dimensions: Sash Lock

S.no.	Description	Unit	Article No.	PU
1	HBS 31 FSL: Sash Lock DIN Left/Right CTC 85 & Backset 45 SS	Set	9 228 576	01
2	HBS 31 FSL: Sash Lock DIN Left/Right CTC 85 & Backset 50 SS	Set	9 228 577	01
3	HBS 31 FSL: Sash Lock DIN Left/Right CTC 85 & Backset 55 SS	Set	9 228 578	01
4	HBS 31 FSL: Sash Lock DIN Left/Right CTC 85 & Backset 60 SS	Set	9 228 579	01
5	HBS 31 FSL: Sash Lock DIN Left/Right CTC 85 & Backset 45 AB	Set	9 250 129	01
6	HBS 31 FSL: Sash Lock DIN Left/Right CTC 85 & Backset 50 AB	Set	9 250 130	01
7	HBS 31 FSL: Sash Lock DIN Left/Right CTC 85 & Backset 55 AB	Set	9 250 131	01
8	HBS 31 FSL: Sash Lock DIN Left/Right CTC 85 & Backset 60 AB	Set	9 250 132	01
9	HBS 31 FSL: Sash Lock DIN Left/Right CTC 85 & Backset 45 PSS	Set	9 250 175	01
10	HBS 31 FSL: Sash Lock DIN Left/Right CTC 85 & Backset 50 PSS	Set	9 250 176	01
11	HBS 31 FSL: Sash Lock DIN Left/Right CTC 85 & Backset 55 PSS	Set	9 250 177	01
12	HBS 31 FSL: Sash Lock DIN Left/Right CTC 85 & Backset 60 PSS	Set	9 250 178	01
13	HBS 31 FSL: Sash Lock DIN Left/Right CTC 85 & Backset 45 BL	Set	9 250 221	01
14	HBS 31 FSL: Sash Lock DIN Left/Right CTC 85 & Backset 50 BL	Set	9 250 222	01
15	HBS 31 FSL: Sash Lock DIN Left/Right CTC 85 & Backset 55 BL	Set	9 250 223	01
16	HBS 31 FSL: Sash Lock DIN Left/Right CTC 85 & Backset 60 BL	Set	9 250 224	01
17	HBS 31 FSL: Sash Lock DIN Left/Right CTC 85 & Backset 45 SG	Set	9 250 267	01
18	HBS 31 FSL: Sash Lock DIN Left/Right CTC 85 & Backset 50 SG	Set	9 250 268	01
19	HBS 31 FSL: Sash Lock DIN Left/Right CTC 85 & Backset 55 SG	Set	9 250 269	01
20	HBS 31 FSL: Sash Lock DIN Left/Right CTC 85 & Backset 60 SG	Set	9 250 270	01

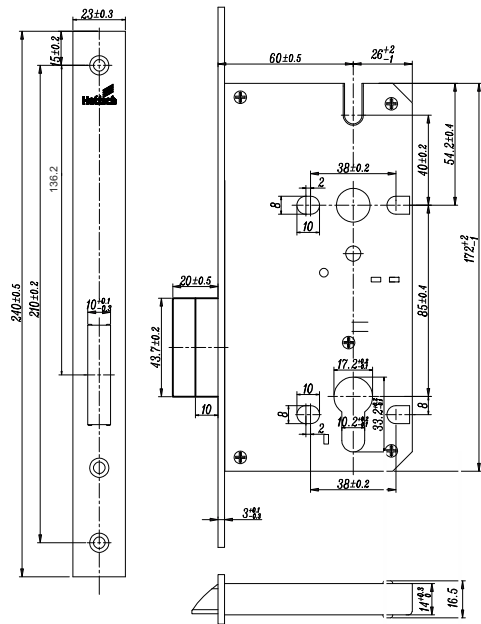
Article codes written in black are available on request.

Dead Bolt Lock



- ▶ Lock type: PZ-85 (W=handle/knob execution)
- ▶ Backset: 45/50/55/60mm
- ▶ Face plate: stainless steel
- ▶ Face plate width: 23mm / Hub: 8mm
- ▶ With closed lock case
- ▶ Lock case: Galvanized Steel
- ▶ For doors with high frequency
- ▶ Left/right handed version in same model.
- ▶ Shiftable latch bolt. Latch bolt can be shift without opening lock case.
- ▶ Strike plate, anti-dust box and screws included.
- ▶ Sash lock/latch lock/dead bolt lock are optional available
- ▶ Door material: timber door

* Please Order Escutcheon separately



Dimensions: Dead Bolt Lock

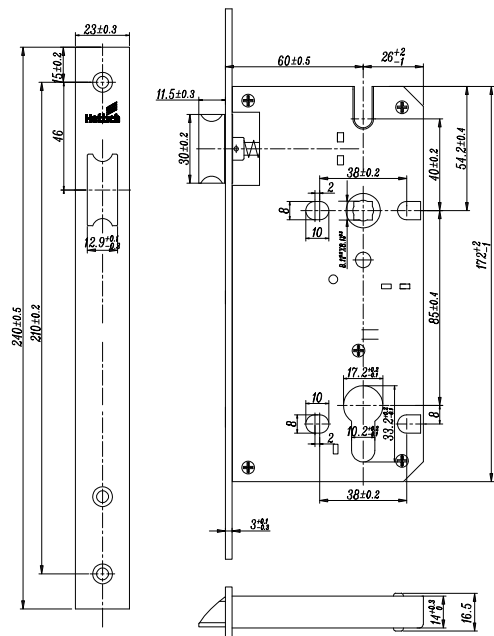
S.no.	Description	Unit	Article No.	PU
1	HBS 31 FDL: Dead Lock DIN Left/Right CTC 85 & Backset 45 SS	Set	9 228 588	01
2	HBS 31 FDL: Dead Lock DIN Left/Right CTC 85 & Backset 50 SS	Set	9 228 589	01
3	HBS 31 FDL: Dead Lock DIN Left/Right CTC 85 & Backset 55 SS	Set	9 228 590	01
4	HBS 31 FDL: Dead Lock DIN Left/Right CTC 85 & Backset 60 SS	Set	9 228 591	01
5	HBS 31 FDL: Dead Lock DIN Left/Right CTC 85 & Backset 45 AB	Set	9 250 141	01
6	HBS 31 FDL: Dead Lock DIN Left/Right CTC 85 & Backset 50 AB	Set	9 250 142	01
7	HBS 31 FDL: Dead Lock DIN Left/Right CTC 85 & Backset 55 AB	Set	9 250 143	01
8	HBS 31 FDL: Dead Lock DIN Left/Right CTC 85 & Backset 60 AB	Set	9 250 144	01
9	HBS 31 FDL: Dead Lock DIN Left/Right CTC 85 & Backset 45 PSS	Set	9 250 187	01
10	HBS 31 FDL: Dead Lock DIN Left/Right CTC 85 & Backset 50 PSS	Set	9 250 188	01
11	HBS 31 FDL: Dead Lock DIN Left/Right CTC 85 & Backset 55 PSS	Set	9 250 189	01
12	HBS 31 FDL: Dead Lock DIN Left/Right CTC 85 & Backset 60 PSS	Set	9 250 190	01
13	HBS 31 FDL: Dead Lock DIN Left/Right CTC 85 & Backset 45 BL	Set	9 250 233	01
14	HBS 31 FDL: Dead Lock DIN Left/Right CTC 85 & Backset 50 BL	Set	9 250 234	01
15	HBS 31 FDL: Dead Lock DIN Left/Right CTC 85 & Backset 55 BL	Set	9 250 235	01
16	HBS 31 FDL: Dead Lock DIN Left/Right CTC 85 & Backset 60 BL	Set	9 250 236	01
17	HBS 31 FDL: Dead Lock DIN Left/Right CTC 85 & Backset 45 SG	Set	9 250 279	01
18	HBS 31 FDL: Dead Lock DIN Left/Right CTC 85 & Backset 50 SG	Set	9 250 280	01
19	HBS 31 FDL: Dead Lock DIN Left/Right CTC 85 & Backset 55 SG	Set	9 250 281	01
20	HBS 31 FDL: Dead Lock DIN Left/Right CTC 85 & Backset 60 SG	Set	9 250 282	01

Article codes written in black are available on request.

Latch Lock



- ▶ Lock type: PZ-85 (W=handle/knob execution)
- ▶ Backset: 45/50/55/60mm
- ▶ Face plate: stainless steel
- ▶ Face plate width: 23mm / Hub: 8mm
- ▶ With closed lock case
- ▶ Lock case: Galvanized Steel
- ▶ For doors with high frequency
- ▶ Left/right handed version in same model.
- ▶ Shiftable latch bolt. Latch bolt can be shift without opening lock case.
- ▶ Strike plate, anti-dust box and screws included.
- ▶ Sash lock/latch lock/dead bolt lock are optional available
- ▶ Door material: timber door



Dimensions: Latch Lock

S.no.	Description	Unit	Article No.	PU
1	HBS 31 FLL: Latch Lock DIN Left/Right CTC 85 & Backset 45 SS	Set	9 228 582	01
2	HBS 31 FLL: Latch Lock DIN Left/Right CTC 85 & Backset 50 SS	Set	9 228 583	01
3	HBS 31 FLL: Latch Lock DIN Left/Right CTC 85 & Backset 55 SS	Set	9 228 584	01
4	HBS 31 FLL: Latch Lock DIN Left/Right CTC 85 & Backset 60 SS	Set	9 228 585	01
5	HBS 31 FLL: Latch Lock DIN Left/Right CTC 85 & Backset 45 AB	Set	9 250 135	01
6	HBS 31 FLL: Latch Lock DIN Left/Right CTC 85 & Backset 50 AB	Set	9 250 136	01
7	HBS 31 FLL: Latch Lock DIN Left/Right CTC 85 & Backset 55 AB	Set	9 250 137	01
8	HBS 31 FLL: Latch Lock DIN Left/Right CTC 85 & Backset 60 AB	Set	9 250 138	01
9	HBS 31 FLL: Latch Lock DIN Left/Right CTC 85 & Backset 45 PSS	Set	9 250 181	01
10	HBS 31 FLL: Latch Lock DIN Left/Right CTC 85 & Backset 50 PSS	Set	9 250 182	01
11	HBS 31 FLL: Latch Lock DIN Left/Right CTC 85 & Backset 55 PSS	Set	9 250 183	01
12	HBS 31 FLL: Latch Lock DIN Left/Right CTC 85 & Backset 60 PSS	Set	9 250 184	01
13	HBS 31 FLL: Latch Lock DIN Left/Right CTC 85 & Backset 45 BL	Set	9 250 227	01
14	HBS 31 FLL: Latch Lock DIN Left/Right CTC 85 & Backset 50 BL	Set	9 250 228	01
15	HBS 31 FLL: Latch Lock DIN Left/Right CTC 85 & Backset 55 BL	Set	9 250 229	01
16	HBS 31 FLL: Latch Lock DIN Left/Right CTC 85 & Backset 60 BL	Set	9 250 230	01
17	HBS 31 FLL: Latch Lock DIN Left/Right CTC 85 & Backset 45 SG	Set	9 250 273	01
18	HBS 31 FLL: Latch Lock DIN Left/Right CTC 85 & Backset 50 SG	Set	9 250 274	01
19	HBS 31 FLL: Latch Lock DIN Left/Right CTC 85 & Backset 55 SG	Set	9 250 275	01
20	HBS 31 FLL: Latch Lock DIN Left/Right CTC 85 & Backset 60 SG	Set	9 250 276	01

Article codes written in black are available on request.

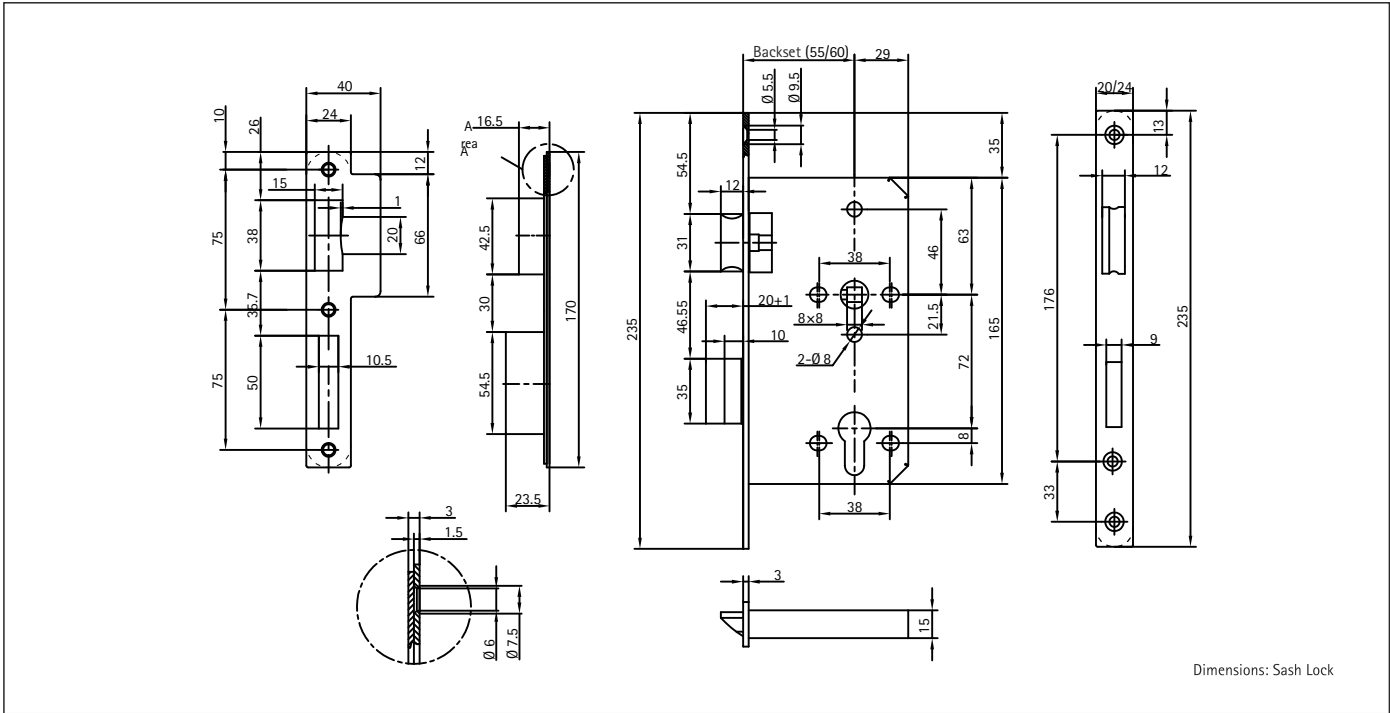
Sash Lock



- Lock type : PZ - 72 W (W = handle/knob execution)
- Backset : 55/60 mm
- Face plate: Stainless steel
- Face plate width: 20/24 mm | Hub: 8 mm
- With closed lock case with 3 - fold fastening
- Lock case: zinc - plated.
- For doors with high frequency
- Shiftable latch bolt. Latch bolt can be shifted without opening the lock case. With silencing elements.
- Striking plate, white plastic box and screws included.
- Left / Right same version
- Door Material: Steel, Wooden Doors

Approved & Certified Product:

EN 12209 **F**



Dimensions: Sash Lock

S.no.	Description	Unit	Article No.	PU
1	HBS 31 FESL 72/55 Ro 20 mm Edge EN 12209	Set	9 251 075	01
2	HBS 31 FESL 72/55 Ro 24 mm Edge EN 12209	Set	9 251 076	01
3	HBS 31 FESL 72/55 Sq 20 mm Edge EN 12209	Set	9 251 077	01
4	HBS 31 FESL 72/55 Sq 24 mm Edge EN 12209	Set	9 251 078	01
5	HBS 31 FESL 72/60 Ro 20 mm Edge EN 12209	Set	9 251 079	01
6	HBS 31 FESL 72/60 Ro 24 mm Edge EN 12209	Set	9 251 080	01
7	HBS 31 FESL 72/60 Sq 20 mm Edge EN 12209	Set	9 251 081	01
8	HBS 31 FESL 72/60 Sq 24 mm Edge EN 12209	Set	9 251 082	01
9	HBS 31 FESL 72/60,EN12209, BL	Set	9 251 402	01

Article codes written in black are available on request.

Latch Lock

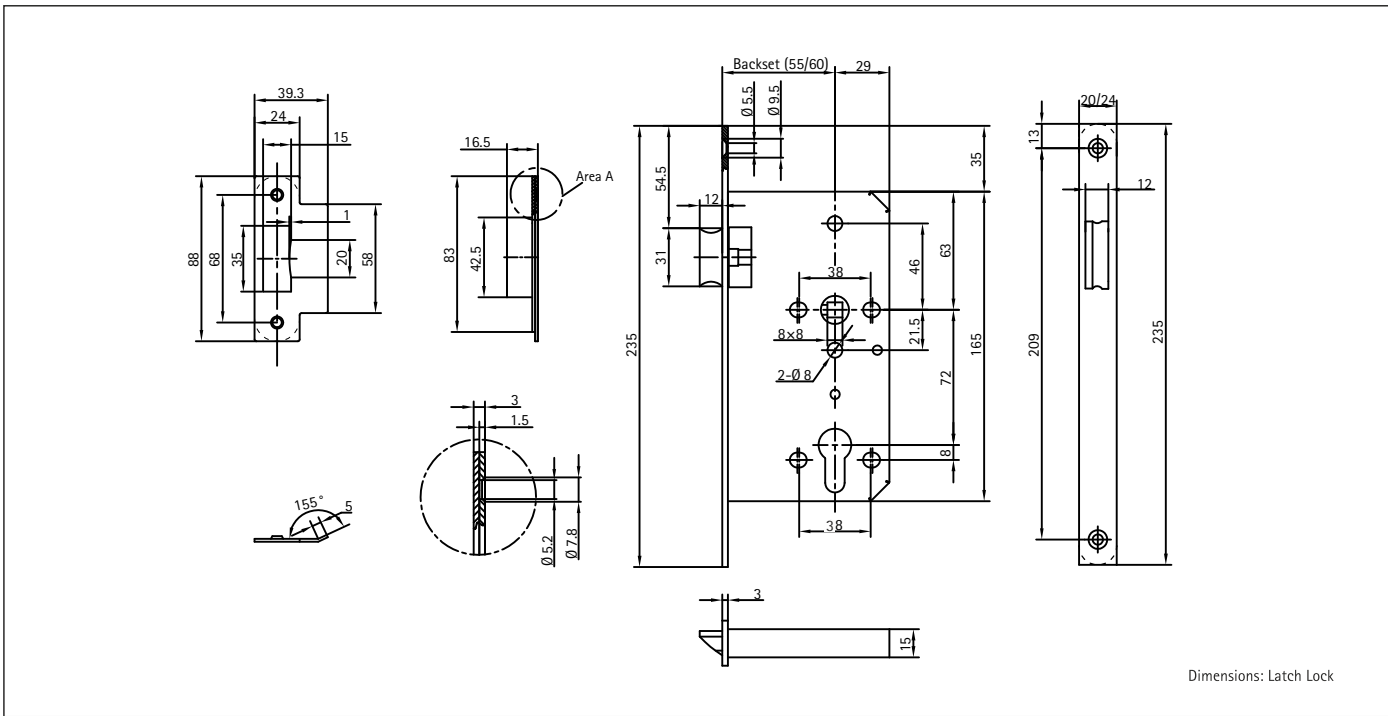


- Lock type : PZ - 72 W (W = handle/knob execution)
- Backset : 55/60 mm
- Face plate: Stainless steel
- Face plate width: 20/24 mm | Hub: 8 mm
- With closed lock case with 3 - fold fastening
- Lock case: zinc - plated.
- For doors with high frequency
- Shiftable latch bolt. Latch bolt can be shifted without opening the lock case. With silencing elements.
- Striking plate, white plastic box and screws included.
- Left / Right same version
- Door Material: Steel, Wooden Doors

Approved & Certified Product:

EN 12209

F



Dimensions: Latch Lock

S.no.	Description	Unit	Article No.	PU
1	HBS 31 FELL 72/55 Ro 20 mm Edge EN 12209	Set	9 251 091	01
2	HBS 31 FELL 72/55 Ro 24 mm Edge EN 12209	Set	9 251 092	01
3	HBS 31 FELL 72/55 Sq 20 mm Edge EN 12209	Set	9 251 093	01
4	HBS 31 FELL 72/55 Sq 24 mm edge EN 12209	Set	9 251 094	01
5	HBS 31 FELL 72/60 Ro 20 mm Edge EN 12209	Set	9 251 095	01
6	HBS 31 FELL 72/60 Ro 24 mm Edge EN 12209	Set	9 251 096	01
7	HBS 31 FELL 72/60 Sq 20 mm Edge EN 12209	Set	9 251 097	01
8	HBS 31 FELL 72/60 Sq 24 mm edge EN 12209	Set	9 251 098	01

Article codes written in black are available on request.

Dead Bolt Lock

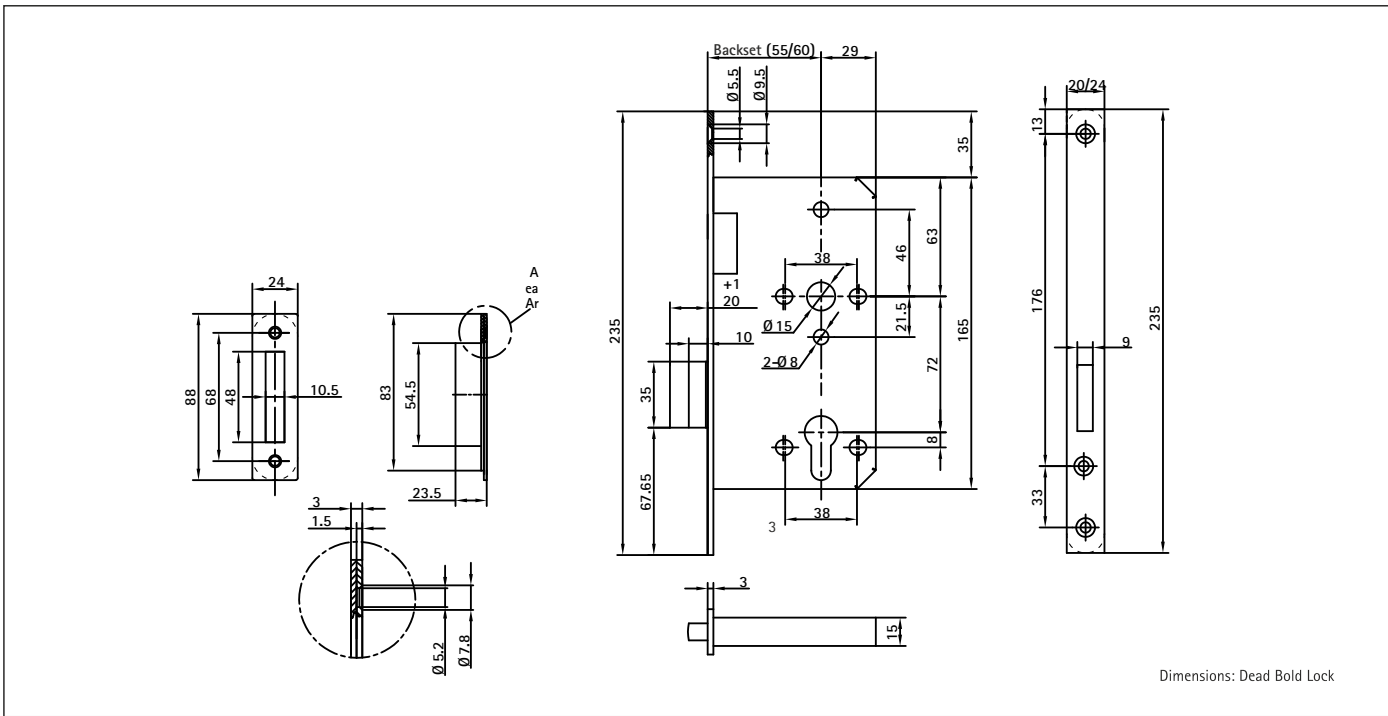


- Lock type : PZ - 72 W (W = handle/knob execution)
- Backset : 55/60 mm
- Face plate: Stainless steel
- Face plate width: 20/24 mm | Hub: 8 mm
- With closed lock case with 3 - fold fastening
- Lock case: zinc - plated.
- For doors with high frequency
- Shiftable latch bolt. Latch bolt can be shifted without opening the lock case. With silencing elements.
- Striking plate, white plastic box and screws included.
- Left / Right same version
- Door Material: Steel, Wooden Doors

Note: Please Order Escutcheon separately

Approved & Certified Product:

EN 12209 **F**



Dimensions: Dead Bolt Lock

S.no.	Description	Unit	Article No.	PU
1	HBS 31 FEDL 72/55 Ro 20 mm Edge EN 12209	Set	9 251 083	01
2	HBS 31 FEDL 72/55 Ro 24 mm Edge EN 12209	Set	9 251 084	01
3	HBS 31 FEDL 72/55 Sq 20 mm Edge EN 12209	Set	9 251 085	01
4	HBS 31 FEDL 72/55 Sq 24 mm edge EN 12209	Set	9 251 086	01
5	HBS 31 FEDL 72/60 Ro 20 mm Edge EN 12209	Set	9 251 087	01
6	HBS 31 FEDL 72/60 Ro 24 mm Edge EN 12209	Set	9 251 088	01
7	HBS 31 FEDL 72/60 Sq 20 mm Edge EN 12209	Set	9 251 089	01
8	HBS 31 FEDL 72/60 Sq 24 mm edge EN 12209	Set	9 251 090	01

Article codes written in black are available on request.

Bathroom Lock

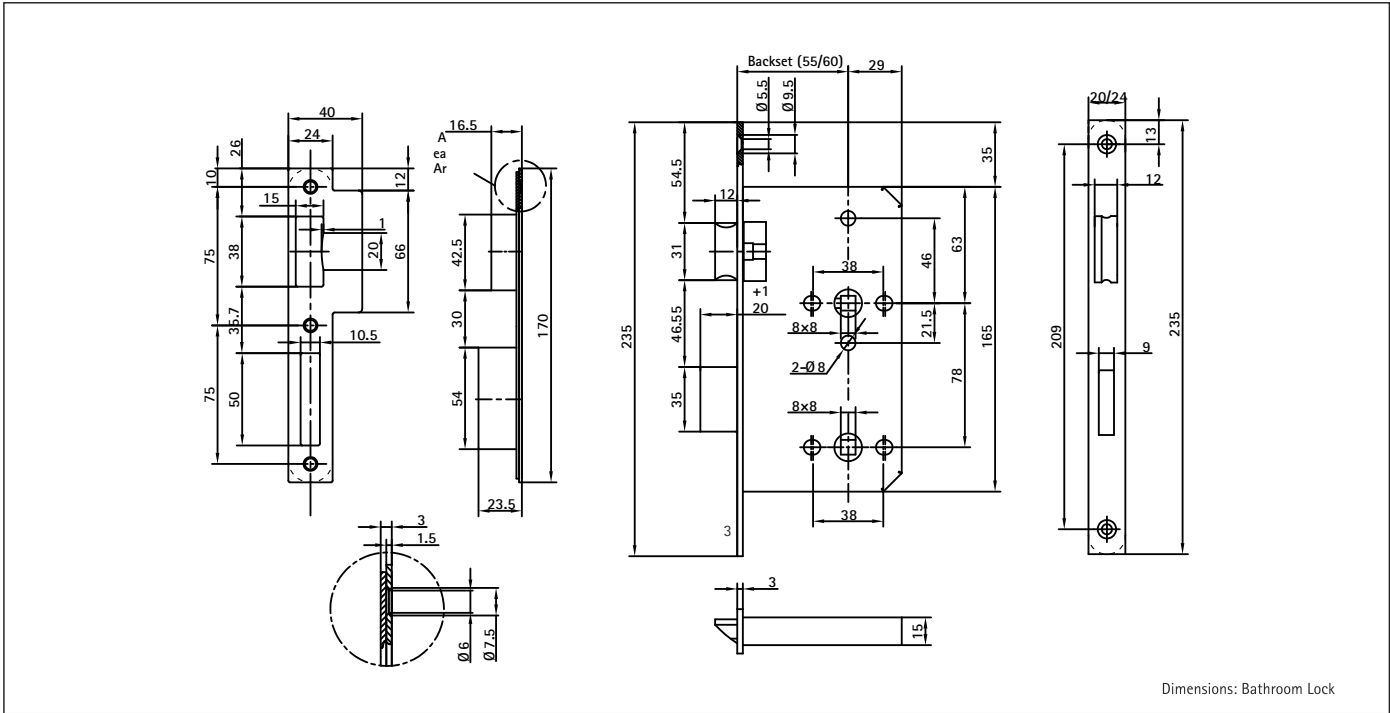


- ▶ Lock type : WC - 78
- ▶ Backset : 55/60 mm
- ▶ Face plate: Stainless steel
- ▶ Face plate width: 20/24 mm | Hub: 8 mm
- ▶ With closed lock case with 3 - fold fastening
- ▶ Lock case: zinc - plated.
- ▶ For doors with high frequency
- ▶ Shiftable latch bolt. Latch bolt can be shifted without opening the lock case. With silencing elements.
- ▶ Striking plate, white plastic box and screws included.
- ▶ Left / Right same version
- ▶ Door Material: Steel, Wooden Doors

Note: To be used along with Prolock 1/2 WC versions handles please order is separately

Approved & Certified Product:

EN 12209 **F**



Dimensions: Bathroom Lock

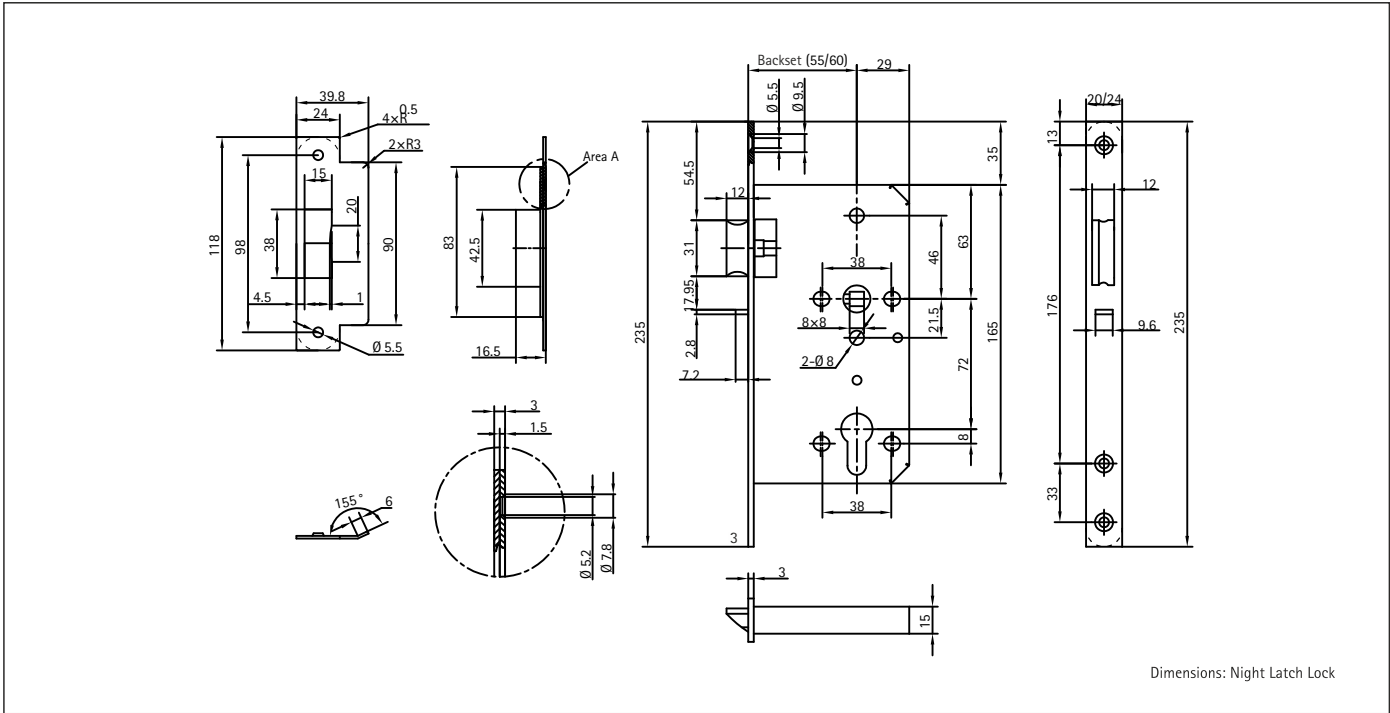
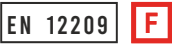
S.no.	Description	Unit	Article No.	PU
1	HBS 31 FEBL 72/55 Ro 20 mm Edge EN 12209	Set	9 251 099	01
2	HBS 31 FEBL 72/55 Ro 24 mm Edge EN 12209	Set	9 251 100	01
3	HBS 31 FEBL 72/55 Sq 20 mm Edge EN 12209	Set	9 251 101	01
4	HBS 31 FEBL 72/55 Sq 24 mm edge EN 12209	Set	9 251 102	01
5	HBS 31 FEBL 72/60 Ro 20 mm Edge EN 12209	Set	9 251 103	01
6	HBS 31 FEBL 72/60 Ro 24 mm Edge EN 12209	Set	9 251 104	01
7	HBS 31 FEBL 72/60 Sq 20 mm Edge EN 12209	Set	9 251 105	01
8	HBS 31 FEBL 72/60 Sq 24 mm edge EN 12209	Set	9 251 106	01

Night Latch



- ▶ Lock type : PZ - 72 W (W = handle/knob execution)
- ▶ Backset : 55/60 mm
- ▶ Face plate: Stainless steel
- ▶ Face plate width: 20/24 mm | Hub: 8 mm
- ▶ With closed lock case with 3 - fold fastening
- ▶ Lock case: zinc - plated.
- ▶ For doors with high frequency
- ▶ Shiftable latch bolt. Latch bolt can be shifted without opening the lock case. With silencing elements.
- ▶ Striking plate, white plastic box and screws included.
- ▶ Left / Right same version
- ▶ Door Material: Steel, Wooden Doors

Approved & Certified Product:



Dimensions: Night Latch Lock

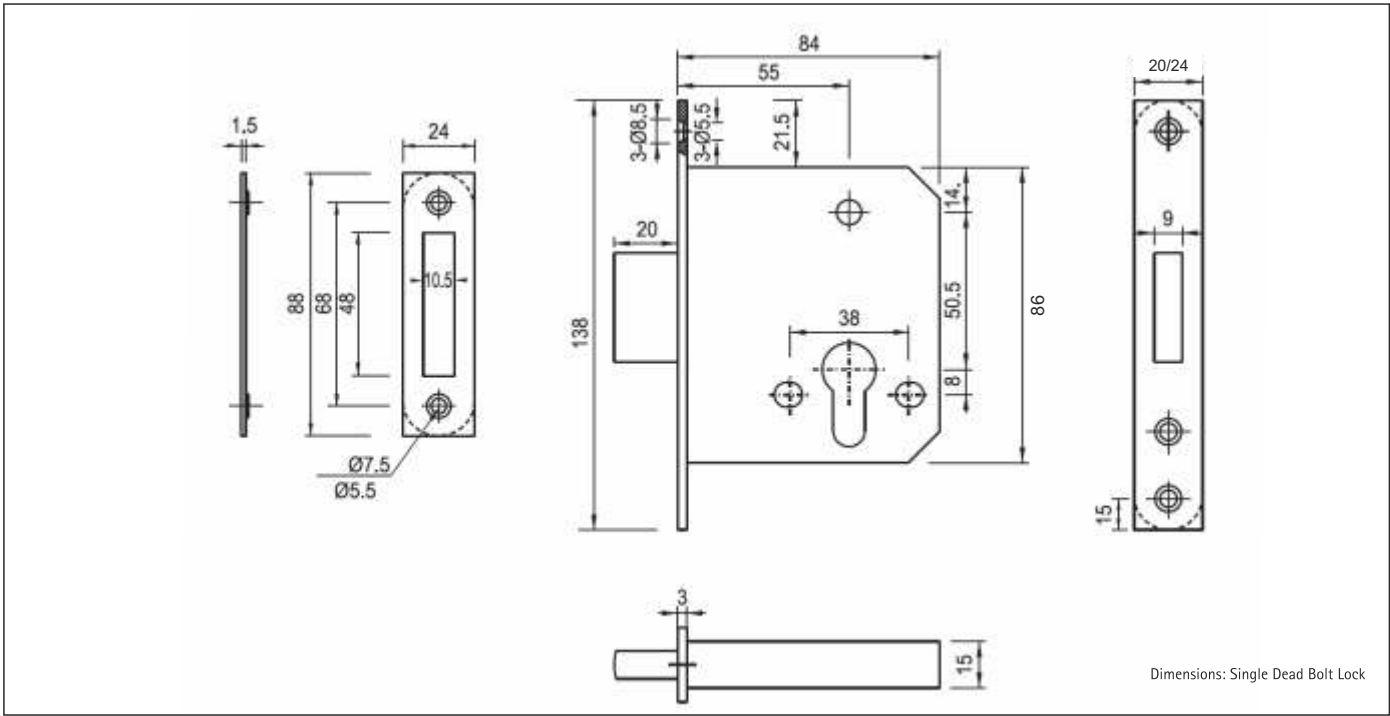
S.no.	Description	Unit	Article No.	PU
1	HBS 31 FENL 72/55 Ro 20 mm Edge EN 12209	Set	9 251 107	01
2	HBS 31 FENL 72/55 Ro 24 mm Edge EN 12209	Set	9 251 108	01
3	HBS 31 FENL 72/55 Sq 20 mm Edge EN 12209	Set	9 251 109	01
4	HBS 31 FENL 72/55 Sq 24 mm edge EN 12209	Set	9 251 110	01
5	HBS 31 FENL 72/60 Ro 20 mm Edge EN 12209	Set	9 251 111	01
6	HBS 31 FENL 72/60 Ro 24 mm Edge EN 12209	Set	9 251 112	01
7	HBS 31 FENL 72/60 Sq 20 mm Edge EN 12209	Set	9 251 113	01
8	HBS 31 FENL 72/60 Sq 24 mm edge EN 12209	Set	9 251 114	01

Single Dead Bolt Lock



- Lock type : B/S 45
- Backset : 55 mm
- Face plate: Stainless steel
- Face plate width: 24 mm / Hub: 8 mm
- With closed lock case with 3 - fold fastening.
- Lock case: zinc - plated
- Striking plate, white plastic box and screws included
- For doors with high frequency
- Left / Right same version
- Door Material: Steel, Wooden Doors

Note: Please order Escutcheon separately



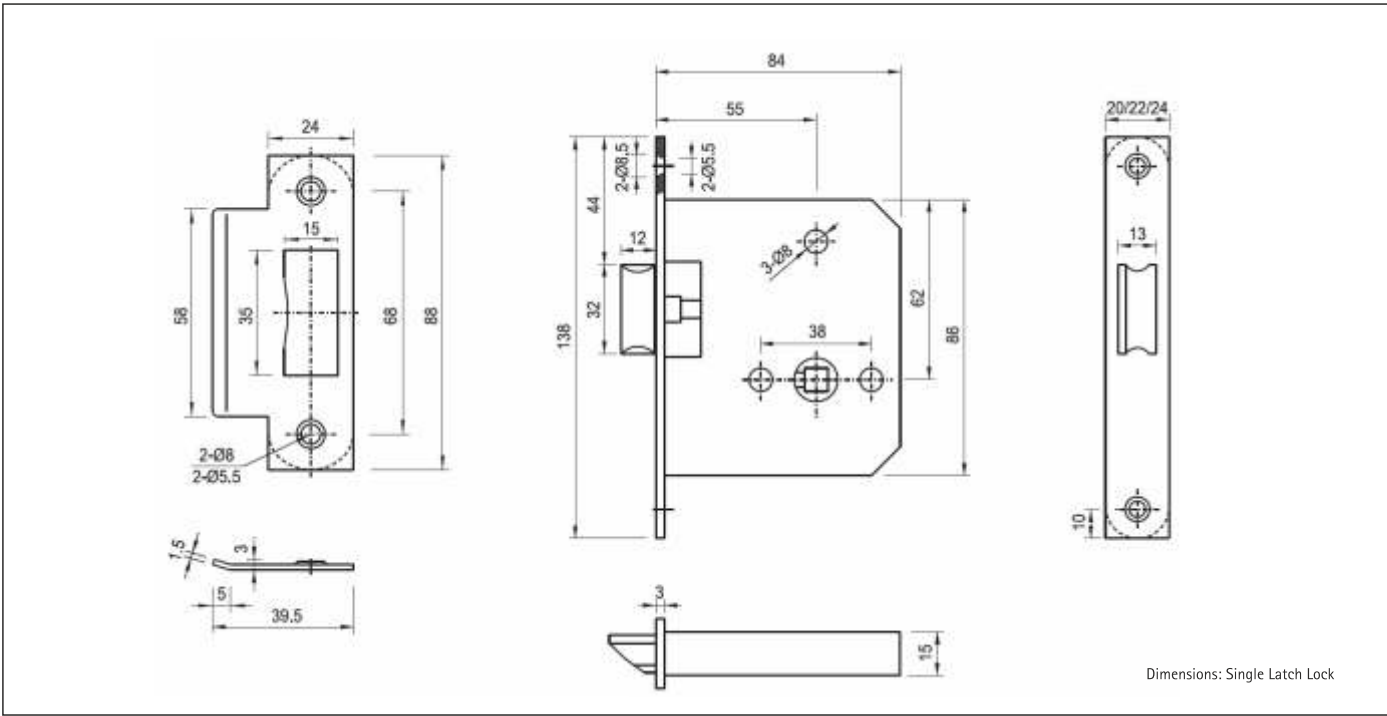
S.no.	Description	Unit	Article No.	PU
1	HBS 31 FSDL:Single Dead Lock DIN Left/Right Backset 55 SS	Set	9 228 148	01
2	HBS 31 FSDL:Single Dead Lock DIN Left/Right Backset 55 AB	Set	9 250 125	01
3	HBS 31 FSDL:Single Dead Lock DIN Left/Right Backset 55 PSS	Set	9 250 171	01
4	HBS 31 FSDL:Single Dead Lock DIN Left/Right Backset 55 BL	Set	9 250 217	01
5	HBS 31 FSDL:Single Dead Lock DIN Left/Right Backset 55 SG	Set	9 250 263	01

Article codes written in black are available on request.

Single Latch Lock



- Lock type : B/S 55
- Backset : 55 mm
- Face plate: Stainless steel
- Face plate width: 24 / Hub: 8 mm
- Lock case: zinc - plated
- Striking plate, white plastic box and screws included
- With closed lock case with 3 - fold fastening
- Left / Right useable
- Door Material: Steel, Wooden Doors



S.no.	Description	Unit	Article No.	PU
1	HBS 31 FSSL: Single Latch Lock DIN Left/Right Backset 55 SS	Set	9 228 149	01
2	HBS 31 FSSL: Single Latch Lock DIN Left/Right Backset 55 AB	Set	9 250 126	01
3	HBS 31 FSSL: Single Latch Lock DIN Left/Right Backset 55 PSS	Set	9 250 172	01
4	HBS 31 FSSL: Single Latch Lock DIN Left/Right Backset 55 BL	Set	9 250 218	01
5	HBS 31 FSSL: Single Latch Lock DIN Left/Right Backset 55 SG	Set	9 250 264	01

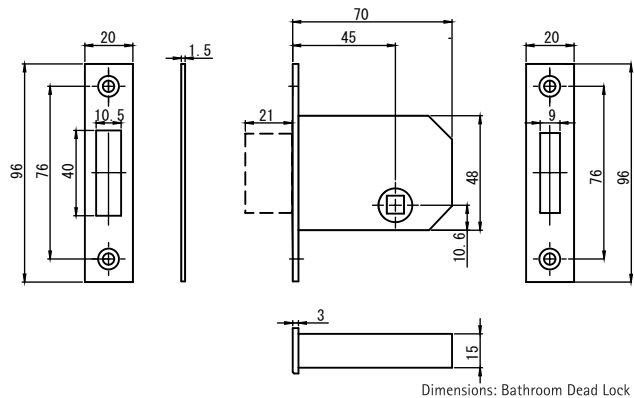
Article codes written in black are available on request.

Bathroom Dead Lock



- Lock type : B/S 45
- Backset : 45 mm
- Face plate: Stainless steel
- Face plate width: 20
- Lock case: zinc - plated
- Striking plate, white plastic box and screws included
- With closed lock case with 3 - fold fastening
- Left / Right useable
- Door Material: Steel, Wooden Doors

Note: Please order WC escutcheon separately



S.no.	Description	Unit	Article No.	PU
1	HBS 31 FSBL: Single Bathroom Dead Lock DIN Left/Right Backset 45	Set	9 228 150	01
2	WC escutcheon with indicator	Set	9 228 706	01

Roller ball Catch



- Spring loaded ball catch
- SS304 for-end and strike plate
- For-end: 22.5 x 76.5mm
- Body: 42.5 x 32mm
- Strike plate: 22.5 x 58mm, lip dimension 8.8 x 24.5mm

S.no.	Description	Unit	Article No.	PU
1	Roller ball Catch	Set	9 228 716	01

Security Lock



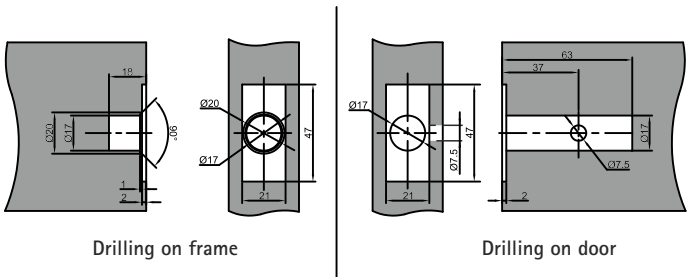
- Lock type : CTC 85
- Backset : 45 & 60 mm
- Tri Bolt Lock
- Face plate: Stainless steel
- Face plate width: 24
- Lock case: Zinc-plated
- Striking plate, white plastic box and screws included
- With closed lock case with 3 - fold fastening
- Left / Right useable
- Door Material: Steel, Wooden Doors

S.no.	Description	Unit	Article No.	PU
1	HBS 31 SL: Security Tribolt Lock DIN Left/Right C/C 85 & Backset 45	Set	9 251 123	01
2	HBS 31 SL: Security Tribolt Lock DIN Left/Right C/C 85 & Backset 60	Set	9 250 585	01

Allen key Tubewell Lock



- Allen key operated Dead bolt
- SS304 for-end and strike plate
- For-end: 21 x 47 mm
- Body: 17 x 63 mm
- Strike plate: 21 x 47 mm
- Finish: SS



Drilling Dimensions Allen key Tubewell Lock

S.no.	Description	Unit	Article No.	PU
1	Allen key Tubewell Lock SS	Set	9 250 584	01
2	Allen key Tubewell Lock Black	Set	9 250 486	01

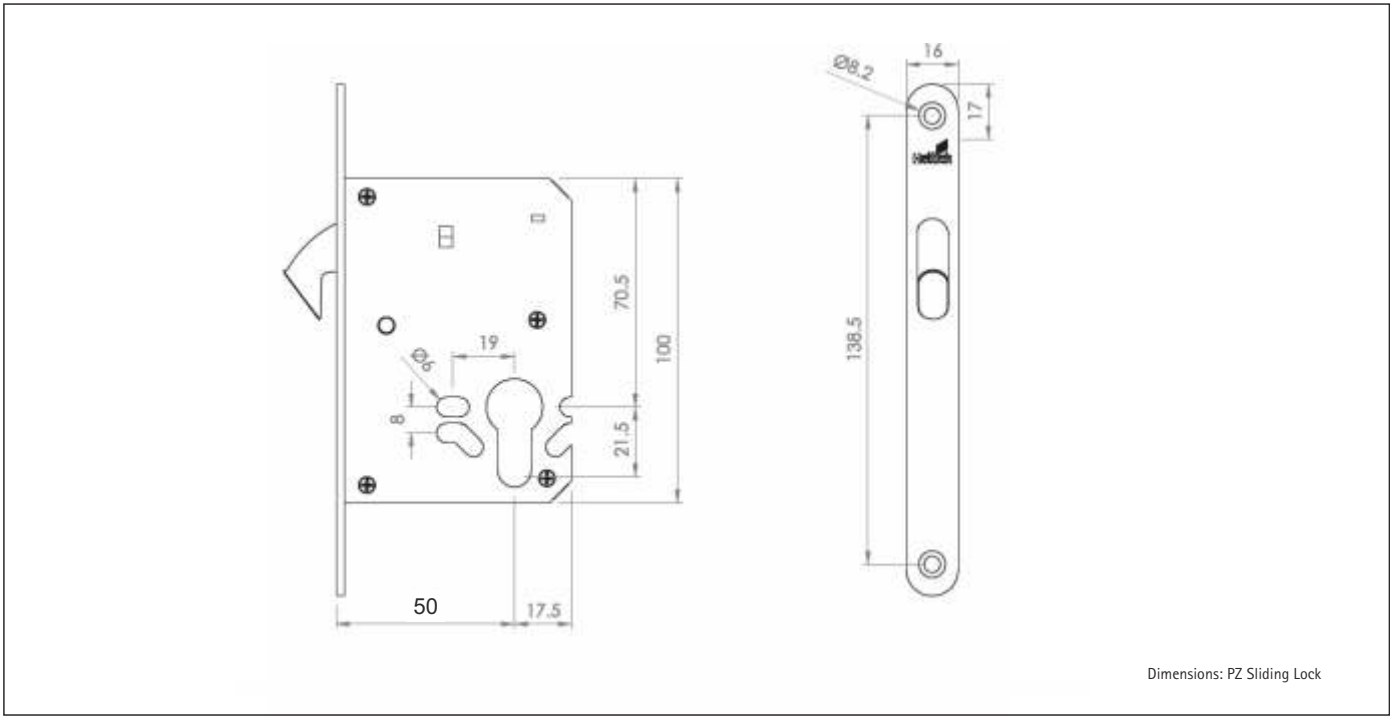
Article codes written in black are available on request.

Sliding PZ Lock



- ▶ Lock type : PZ Sliding Hook Lock
- ▶ Backset : 50 mm
- ▶ Door Thickness 40-50 mm
- ▶ Face plate: Stainless steel
- ▶ Face plate width: 16 mm
- ▶ With closed lock case with 3 - fold fastening
- ▶ Lock case: zinc - plated.
- ▶ For Sliding Wooden/ Profile Framed doors
- ▶ Striking plate, white plastic box and screws included.
- ▶ Left / Right Same Version
- ▶ Door Material: Steel Profile, Wooden Doors
- ▶ Finishes: Satin Stainless Steel & Antique Brass

Note: Please order Sliding Handle/Escutcheon and Euro Profile Cylinder as per door thickness



S.no.	Description	Unit	Article No.	PU
1	Hettich Sliding Lock PZ DIN Left/Right Backset 50 mm	Set	9 228 481	01
2	Hettich Sliding Handles for timber doors of thickness 40-50mm SS 304 Satin Finish	Set	9 228 483	01
3	Hettich Sliding Door Escutcheons for timber doors SS 304 Satin Finish	Set	9 228 484	01
4	Hettich Sliding Handles for timber doors of thickness 40-50mm SS 304 - Antique Brass finish	Set	9 250 435	01
5	Hettich Sliding Lock PZ DIN Left/Right Backset 50 mm - Antique Brass finish	Set	9 250 436	01

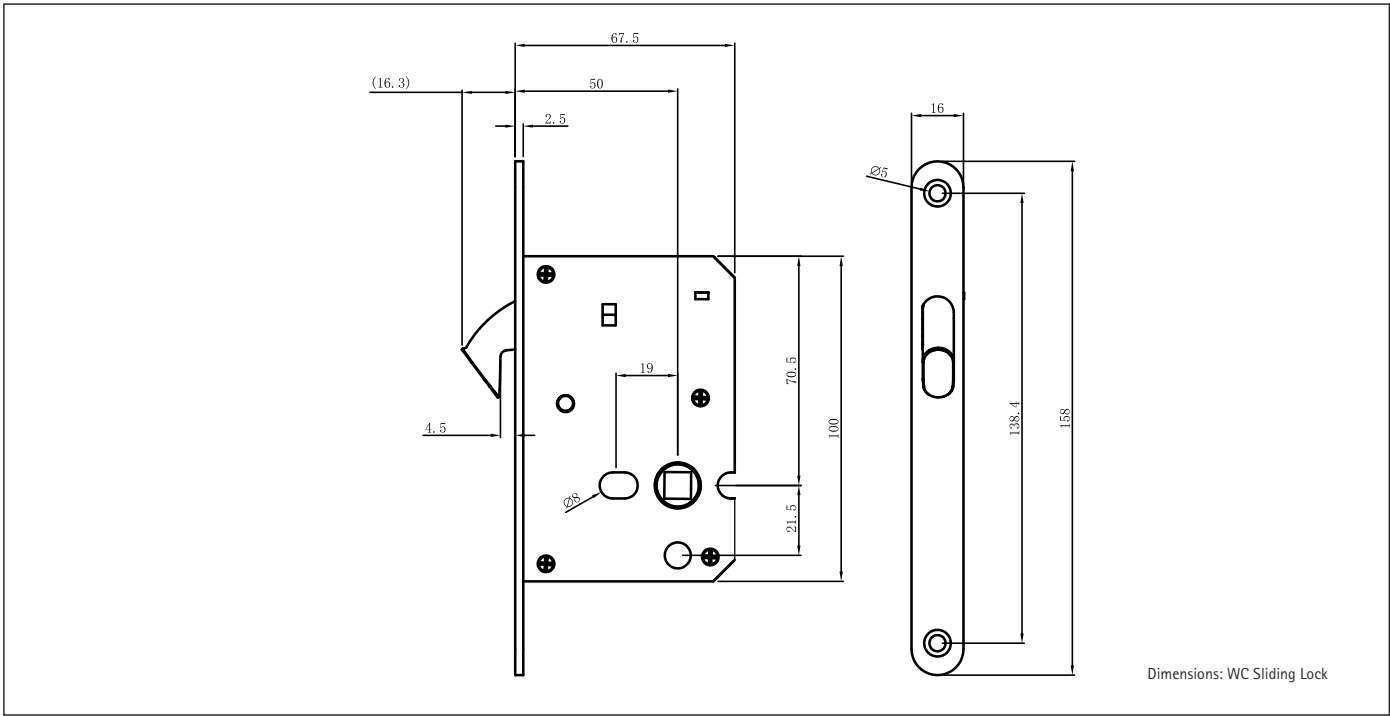
Article codes written in black are available on request.

Sliding WC Lock



- ▶ Lock type : WC Sliding Hook Lock
- ▶ Backset : 50 mm
- ▶ Door Thickness 40-50 mm
- ▶ Face plate: Stainless steel
- ▶ Face plate width: 16 mm
- ▶ With closed lock case with 3 - fold fastening
- ▶ Lock case: zinc - plated.
- ▶ For Sliding Wooden/ Profile Framed doors
- ▶ Striking plate, white plastic box and screws included.
- ▶ Left / Right Same Version
- ▶ Door Material: Steel Profile, Wooden Doors

Note: Please order WC Sliding Handle/Escutcheon Separately



S.no.	Description	Unit	Article No.	PU
1	Hettich Sliding Lock WC DIN Left/Right Backset 50 mm	Set	9 228 482	01
2	WC Sliding Door Handles for timber doors SS 304 Satin Finish	Set	9 228 712	01
3	WC Sliding Door Escutcheons for timber doors SS 304 Satin Finish	Set	9 228 713	01

Classification Coding System – Cylinders for Locks: EN 1303

► EN 1303 testing is evaluated as per below:

1. Category of Use

Grade 1: For use by people with a high incentive to exercise care and with a small chance of misuse

2. Durability

Grade 4: 25,000 Test cycles

Grade 5: 50,000 Test cycles

Grade 6: 100,000 Test cycles

3. Door mass

Grade 0: No door mass requirement

4. Suitability for use on fire/smoke doors

Grade 0: Not approved for use on fire/smoke resisting door assemblies

Grade 1: Suitable for use on fire/smoke resisting door assemblies, subject to satisfactory assessment of the contribution of the cylinder to the fire resistance of specified fire/smoke resisting door assemblies

5. Safety

Grade 0: No safety requirement

6. Corrosion resistance and temperature

Grade 0: No defined corrosion resistance, no temperature requirement

Grade A: High corrosion resistance, no temperature requirement

Grade B: No defined corrosion resistance, Temperature requirement: from - 20°C - +80°C

Grade C: High corrosion resistance, Temperature requirement: from 20°C - +80°C

7. Key related security

Requirement	Parameter	Grade					
		1	2	3	4	5	6
Minimum number of effective differs	-	100	300	15000	30000	30000	100000
Minimum number of movable detainers	-	2	3	5	5	6	6
Maximum number of identical shapes	-	100	70	60	60	60	50
Direct coding on key	-	Yes	Yes	No	No	No	No
Operation of security mechanism	Torque	1.5 Nm*	1.5 Nm*	1.5 Nm*	1.5 Nm^	1.5 Nm^	1.5 Nm^
Torque resistance of plug/cylinder	Torque	2.5 Nm	5 Nm	15 Nm	15 Nm	15 Nm	15 Nm

*Before the durability test is commenced

^After the durability test has been completed

8. Attack resistance

Requirement	Parameter	Grade		
		0	1	2
Resistance to drilling	Time	-	3 mins	5 mins
Resistance to attack by chisel	Blows	-	30	40
Resistance to attack by twisting	Twists	-	20	30
Resistance to attack by plug/cylinder extraction	Force	-	15 kN	15 kN
	Time	-	3 min	3 min
Torque resistance of plug/cylinder	Torque	-	20 Nm	30 Nm

HSCL – Standard Cylinder



- Standard Double Cylinder**
- Brass cylinder, Steel Nickel Plated
 - Supplied with 5 Computerized Keys
 - No. of Pins: 5 in 60 mm & 6 in 70 mm and above lengths

Approved & Certified Product:

EN 1303 **F**



Stainless Steel



Antique Brass



Polished SS



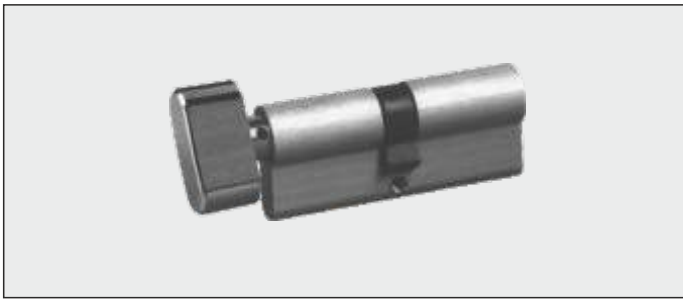
Matt Black



Satin Gold/Satin Brass

S.no.	Description	Stainless Steel	Antique Brass	Polished SS	Matt Black	Satin Gold	Unit	PU
1	HSCL 60	9 228 171	9 250 146	9 250 192	9 250 238	9 250 284	Set	01
2	HSCL 70	9 228 172	9 250 147	9 250 193	9 250 239	9 250 285	Set	01
3	HSCL 75	9 228 173	9 250 148	9 250 194	9 250 240	9 250 286	Set	01
4	HSCL 80	9 228 174	9 250 149	9 250 195	9 250 241	9 250 287	Set	01
5	HSCL 90	9 228 175	9 250 150	9 250 196	9 250 242	9 250 288	Set	01
6	HSCL 100	9 250 323	9 250 325	9 250 327	9 250 329	9 250 331	Set	01

HTCL – Thumb turn Cylinder



- Thumb Turn Cylinder**
- Brass cylinder, Steel Nickel Plated
 - Supplied with 5 Computerized Keys
 - No. of Pins: 5 in 60 mm & 6 in 70 mm and above lengths

Approved & Certified Product:

EN 1303 **F**



Stainless Steel



Antique Brass



Polished SS



Matt Black



Satin Gold/Satin Brass

S.no.	Description	Stainless Steel	Antique Brass	Polished SS	Matt Black	Satin Gold	Unit	PU
1	HTCL 60	9 228 176	9 250 151	9 250 197	9 250 243	9 250 289	Set	01
2	HTCL 70	9 228 177	9 250 152	9 250 198	9 250 244	9 250 290	Set	01
3	HTCL 75	9 228 178	9 250 153	9 250 199	9 250 245	9 250 291	Set	01
4	HTCL 80	9 228 179	9 250 154	9 250 200	9 250 246	9 250 292	Set	01
5	HTCL 90	9 228 180	9 250 155	9 250 201	9 250 247	9 250 293	Set	01
6	HTCL 100	9 250 324	9 250 326	9 250 328	9 250 330	9 250 332	Set	01

Article codes written in black are available on request.

HBCL – Bathroom Cylinder



Bathroom Cylinder
► Brass cylinder, Steel Nickel Plated

Approved & Certified Product:

EN 1303 **F**



Stainless Steel



Antique Brass



Polished SS



Matt Black



Satin Gold/Satin Brass

S.no.	Description	Stainless Steel	Antique Brass	Polished SS	Matt Black	Satin Gold	Unit	PU
1	HBCL 60	9 228 181	9 250 156	9 250 202	9 250 248	9 250 294	Set	01
2	HBCL 70	9 228 182	9 250 157	9 250 203	9 250 249	9 250 295	Set	01
3	HBCL 75	9 228 183	9 250 158	9 250 204	9 250 250	9 250 296	Set	01

HHCL – Half Cylinder



Half Cylinder
► Brass cylinder, Steel Nickle Plated
► Supplied with 5 Computerized Keys
► No. of Pins: 5 in 60 mm & 6 in 70 mm and above lengths

Approved & Certified Product:

EN 1303 **F**



Stainless Steel



Antique Brass



Polished SS



Matt Black



Satin Gold/Satin Brass

S.no.	Description	Stainless Steel	Antique Brass	Polished SS	Matt Black	Satin Gold	Unit	PU
1	HHCL 40	9 228 184	9 250 159	9 250 205	9 250 251	9 250 297	Set	01
2	HHCL 45	9 228 185	9 250 160	9 250 206	9 250 252	9 250 298	Set	01

HHTL – Half Thumb Turn Cylinder



Half Thumb Turn Cylinder
► Brass cylinder, Steel Nickle Plated

Approved & Certified Product:

EN 1303 **F**



Stainless Steel



Antique Brass



Polished SS



Matt Black

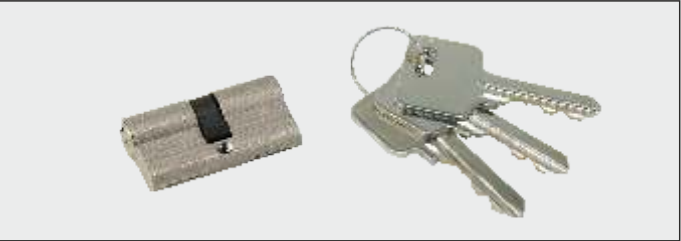


Satin Gold/Satin Brass

S.no.	Description	Stainless Steel	Antique Brass	Polished SS	Matt Black	Satin Gold	Unit	PU
1	HHTL 40	9 228 729	9 250 161	9 250 207	9 250 253	9 250 299	Set	01
2	HHTL 45	9 228 730	9 250 162	9 250 208	9 250 254	9 250 300	Set	01

Article codes written in black are available on request.

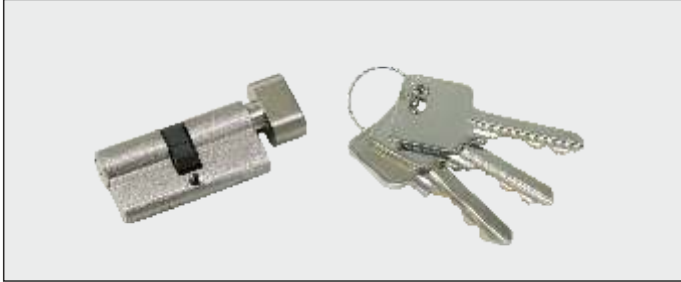
HSCL - Standard Cylinder



Standard Cylinder
► Brass cylinder, Nickel Plated
► Supplied with 3 Mechanical Keys

S.no.	Description	Stainless Steel	Unit	PU
1	HSCL 60	9250500	Set	01
2	HSCL 70	9250501	Set	01
3	HSCL 75	9250502	Set	01
4	HSCL 80	9250503	Set	01
5	HSCL 90	9250543	Set	01

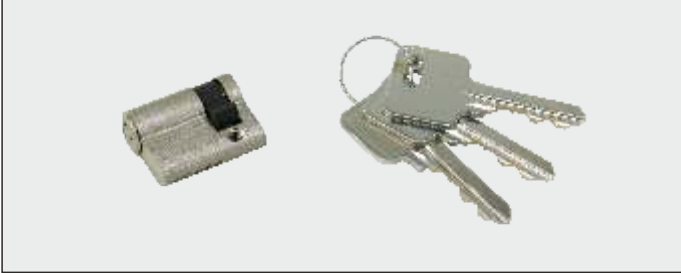
HTCL - Thumb Turn Cylinder



Thumb Turn Cylinder
► Brass cylinder, Aluminum knob, Nickle Plated
► Supplied with 3 Mechanical Keys

S.no.	Description	Stainless Steel	Unit	PU
1	HTCL 60	9250544	Set	01
2	HTCL 70	9250545	Set	01
3	HTCL 75	9250546	Set	01
4	HTCL 80	9250547	Set	01
5	HTCL 90	9250548	Set	01

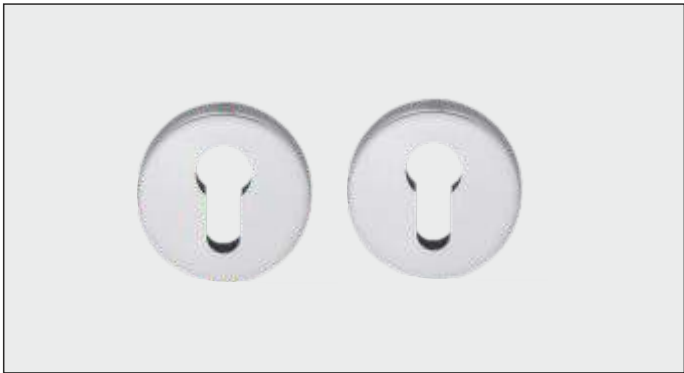
HHCL - Half Cylinder



Half Cylinder
► Brass cylinder, Nickle Plated
► Supplied with 3 Mechanical Keys

S.no.	Description	Stainless Steel	Unit	PU
1	HHCL 40	9250549	Set	01
2	HHCL 45	9250550	Set	01

Round PZ Escutcheon 1



Round PZ Escutcheon
► Material Thickness: 1 mm
► Dia: 54 mm
► Height: 8 mm

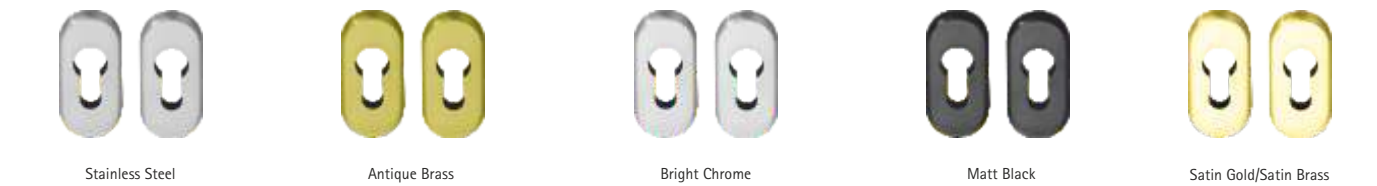


S.no.	Description	Stainless Steel	Antique Brass	Bright Chrome	Matt Black	Satin Brass	Unit	PU
1	Round PZ Escutcheon 1	9 228 459	9 250 305	9 250 306	9 250 307	9 250 308	Set	01

Oval PZ Escutcheon



Oval PZ Escutcheon
► Material Thickness: 1 mm
► Size : 33x61 mm
► Height: 8 mm



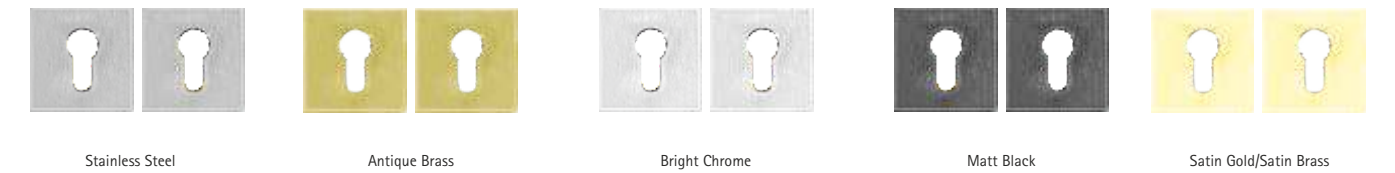
S.no.	Description	Stainless Steel	Antique Brass	Bright Chrome	Matt Black	Satin Brass	Unit	PU
1	Oval PZ Escutcheon	9 250 390	9 250 391	9 250 392	9 250 393	9 250 394	Set	01

Article codes written in black are available on request.

Square PZ Escutcheon



Square PZ Escutcheon
► Material Thickness: 1 mm
► Size: 54x54 mm
► Height: 8 mm



S.no.	Description	Stainless Steel	Antique Brass	Bright Chrome	Matt Black	Satin Brass	Unit	PU
1	Square PZ Escutcheon	9 228 434	9 249 956	9 250 008	9 250 060	9 250 112	Set	01

Round WC Escutcheon 1



Round WC Escutcheon 1
► Material Thickness: 1 mm
► Dia: 54 mm
► Height: 8 mm
► Door thickness 30-45 mm



S.no.	Description	Stainless Steel	Antique Brass	Bright Chrome	Matt Black	Satin Brass	Unit	PU
1	Round WC Escutcheon 1	9 228 706	9 249 957	9 250 009	9 250 061	9 250 113	Set	01

Article codes written in black are available on request.

Round WC Escutcheon 2



Round WC Escutcheon 2
► Material Thickness: 1 mm
► Dia: 54 mm
► Height: 8 mm



S.no.	Description	Stainless Steel	Antique Brass	Bright Chrome	Matt Black	Satin Brass	Unit	PU
1	Round WC Escutcheon 2	9 227 805	9 249 959	9 250 011	9 250 063	9 250 115	Set	01

Square WC Escutcheon

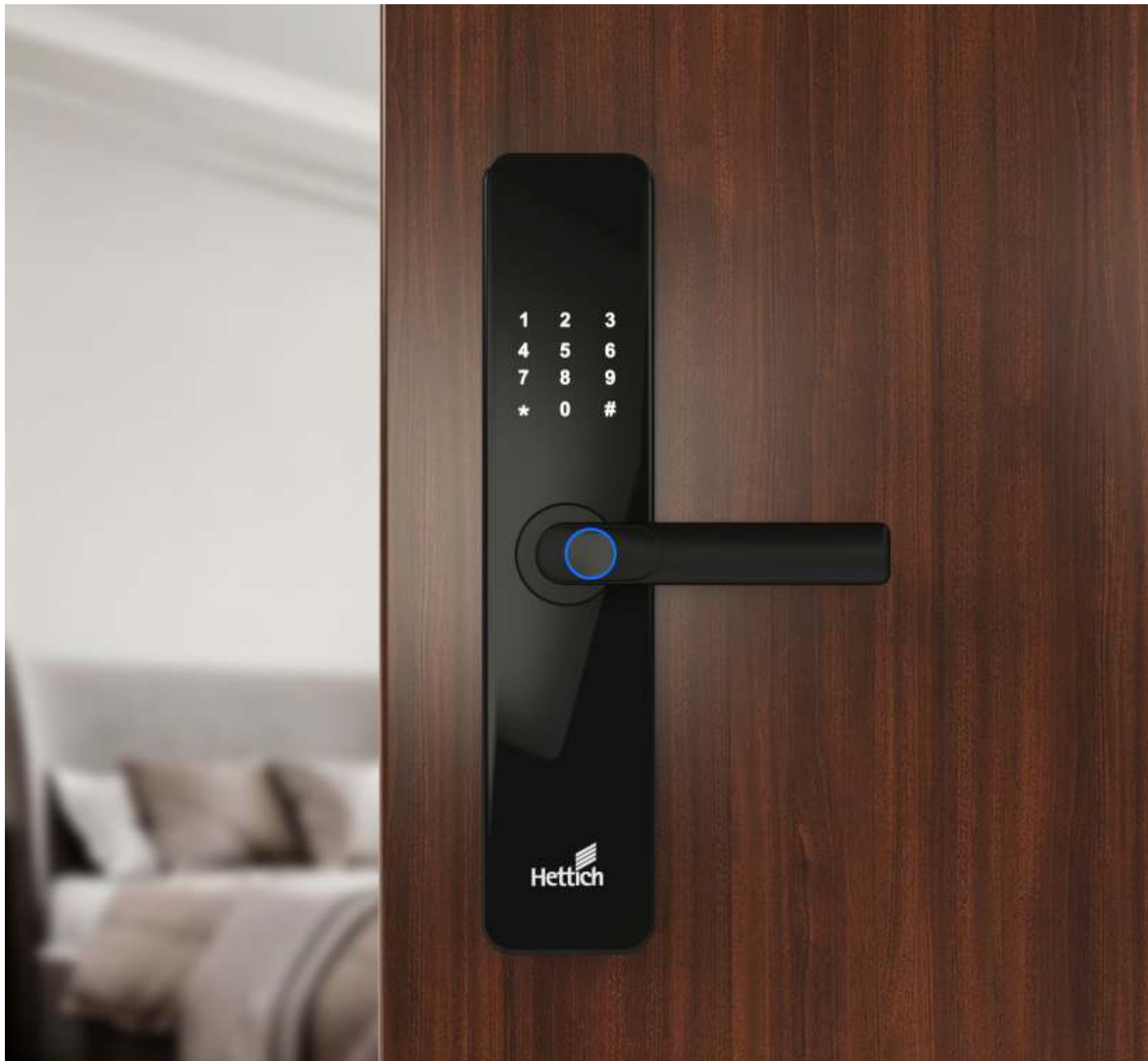


Square WC Escutcheon
► Material Thickness: 1 mm
► Size : 54x54 mm
► Height: 8 mm



S.no.	Description	Stainless Steel	Antique Brass	Bright Chrome	Matt Black	Satin Brass	Unit	PU
1	Square WC Escutcheon	9 227 803	9 249 958	9 250 010	9 250 062	9 250 114	Set	01

Article codes written in black are available on request.



Smart Security for Modern Homes

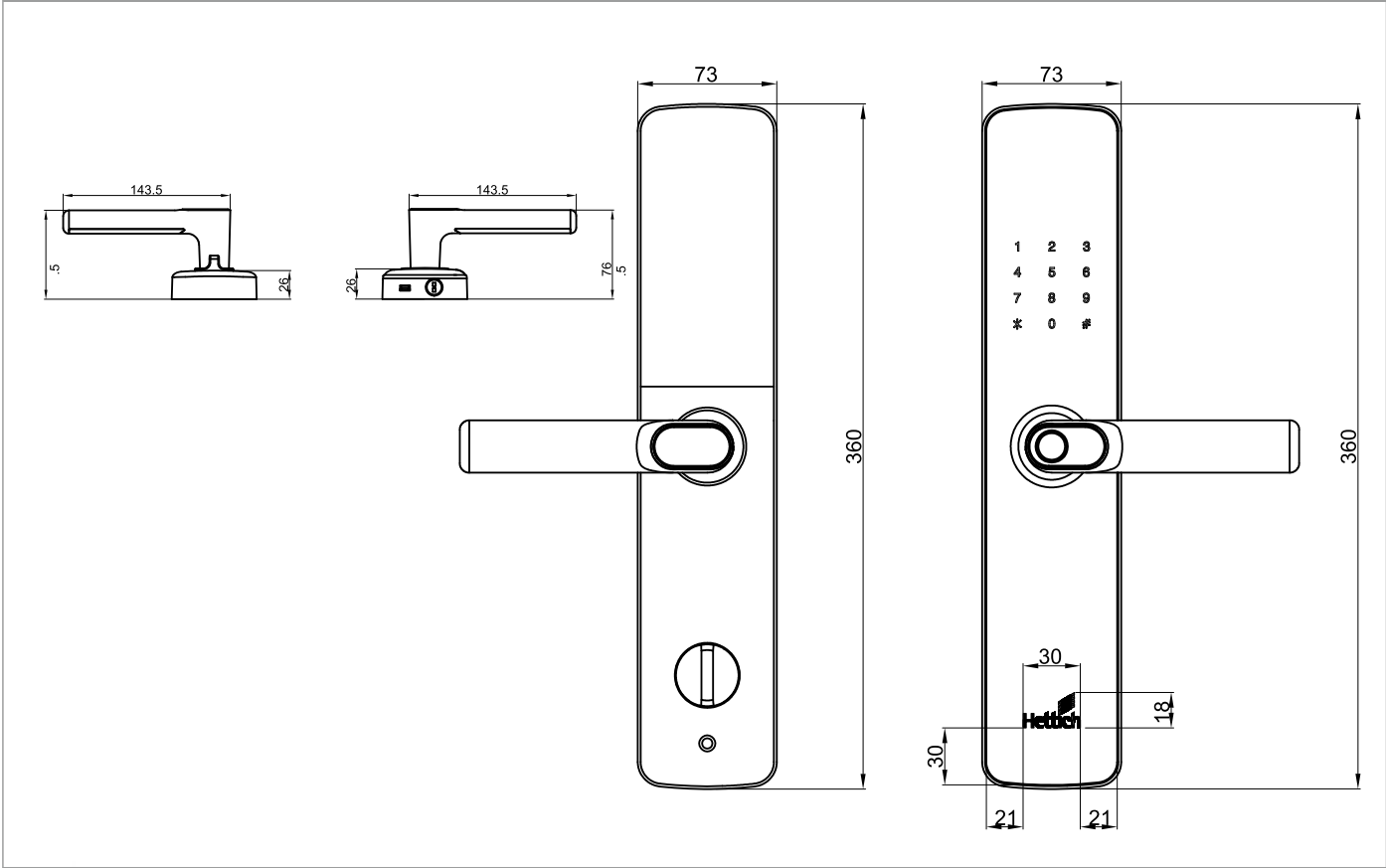
Designed specifically for residential use, the Hettich Smart Digital Lock is a sophisticated electronic locking system crafted with cutting-edge German technology. It ensures that homeowners stay in complete control of their home's safety and security at all times. Ideal for modern living spaces, this smart lock is equipped with a host of advanced safety features that offer enhanced protection against unauthorised access. Whether you're at home or away, you can rely on its intelligent functions to keep your space secure. Backed by a 3-year warranty, the Hettich Smart Digital Lock not only delivers top-tier performance but also guarantees peace of mind for you and your loved ones.

Smart Digital Lock



- Features:**
- ▶ Product size: 360mm X 73mm X 26mm
 - ▶ Material: Aluminium + IMD
 - ▶ Door thickness: 35 mm-60 mm (optional 60mm-80mm)
 - ▶ DIN Left & right: Same handle for both
 - ▶ Unlocking method: Fingerprint + Password + Card
 - ▶ Support method:
 - Fingerprint unlocking supports - 50 pieces
 - Password unlocking supports - 100 pieces
 - Card unlocking supports - 100 cards
 - Mechanical keys (2 pieces)
 - ▶ Lock Case: Back set 60 x 68 CTC with 24mm forehead plate
Additional over ride Dead Bolt option in Lock Case
 - ▶ Recognition speed: Support 5-time trial and error alarm, anti-pry alarm, low voltage alarm function
 - ▶ User capacity: 250 groups (Fingerprint, Password, Induction card, 9 groups of administrators, 241 groups of ordinary users)
 - ▶ Power supply: 4* AA alkaline batteries,
 - ▶ Emergency power supply: TYPE-C USB emergency power supply

Dimension Drawing



S.no.	Description	Unit	Article No.	PU
1	Smart Digital Lock with Password, Fingerprint, Card & with Backup key, Lock Body : CTC 68 & Backset 60, Door Thickness : 35 - 60 mm	Set	9 251 396	01



The ultimate in security for complete peace of mind

Hettich ProLock infinity is a main door security solution which comes with an advanced 5 point concealed locking system. This system consists of a mortise latch, dead latch and night latch which collectively provide the ultimate home protection. Its anti-drill components, cylinder protection caps, night latch and no key duplication features make homes completely burglar proof. Moreover it provides the unique advantage of a separate construction key & a separate set of Main Key.

ProLock Infinity : The Complete Main Door Solution



ProLock Infinity Lock System: Main Door locking solution having a combination of mortise and night latch lock system.

Technical detail in brief:

Handle:

- ▶ Both Fixed (Outside Handle) & Movable (both side) handle option available
- ▶ Manual locking
- ▶ Cylinder Protection (anti drill protection for 10 pin cylinder)
- ▶ Returning Spring
- ▶ DIN Left/Right different model
- ▶ Door Thickness 40-50 mm / 50-70 mm / 70-90 mm
- ▶ Material: Stainless Steel 304

Lock Body:

- ▶ Centre to centre distance 68 mm
- ▶ Backset 60 mm
- ▶ Life time cycle: 200,000 cycles tested
- ▶ Material: Stainless Steel 304 (faceplate)

Euro Profile Cylinder:

- ▶ High security cylinders with computerized snake key way & Anti drill pins
- ▶ Cylinder types: Both side key & Thumb turn
- ▶ Size available: 70 / 80 / 90 / 100
- ▶ Supplied with Five Main Keys & Two Construction Key

Available finishes :

- ▶ Stainless Steel, Antique Brass, Champagne & Matt Black

ProLock Infinity Lock System handles



Handle design 1



Handle design 2



Handle design 3



Handle design 4

Other Available finishes



AB: Antique Brass



CH: Champagne

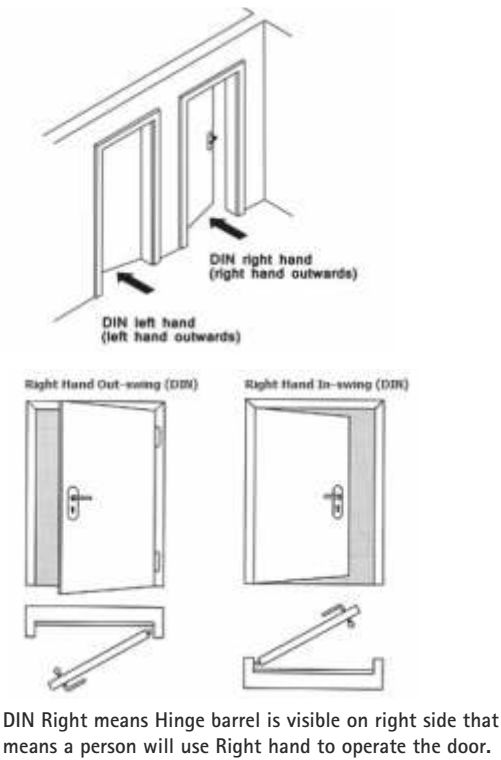
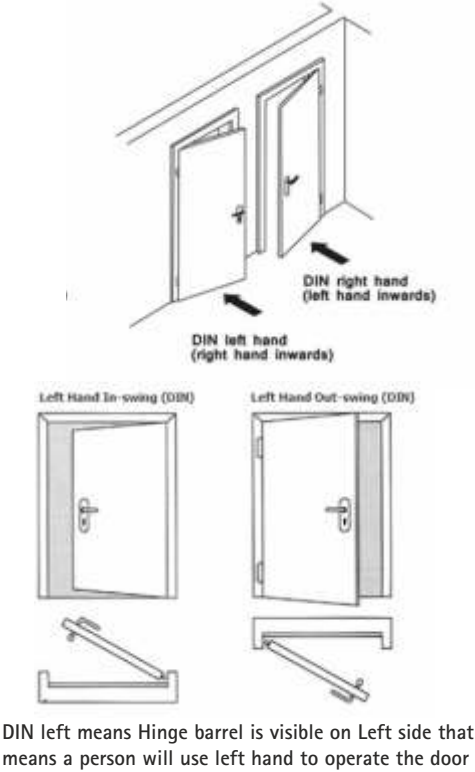


BL: Black

* Against Special Order

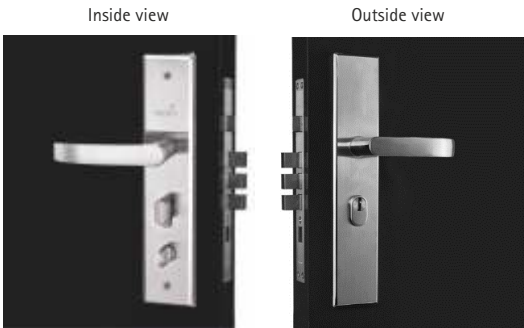
How to determine if the door is DIN Left or DIN Right

What is DIN Left And Right: DIN Right/Left denotes the direction of the opening of the door
DIN Left: When the hinges are placed to the left of the door leaf, then the door is opened DIN left.
DIN Right: When the hinges are placed to the right of the door leaf, then the door is opened DIN right.

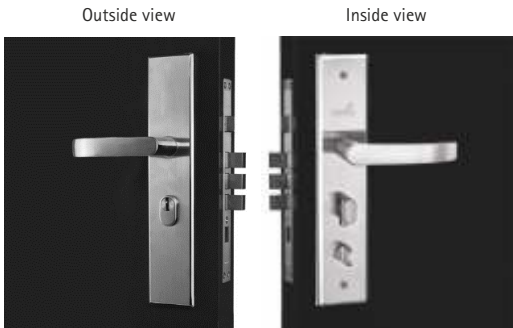


Why we need DIN Left/Right versions?

It is required as the outer handle is fixed and only operable with key that means only inside handle will be moving and hence we need to have different handles motion for DIN Left/Right opening Doors from inside.



DIN Left set



DIN Right set

NOTE: There is no need to order both DIN left and DIN right for a single door.

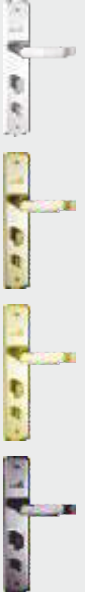
How to decide article no. while placing Order?

If a person will be using leftward opening door then DIN left will be used. Article no: 9228485 (For SS Finish only)
If a person will be using rightward opening door then DIN right will be used. Article no : 9228501 (For SS Finish only)

Prolock Infinity : The Complete Main Door Solution

	Prolock Infinity Handles Design 1 (HSN Code – 83024110)	Unit	Article No.	PU
	Prolock Infinity 1 SS DIN Left Fixed	Set	9 228 485	01
	Prolock Infinity 1 SS DIN Right Fixed	Set	9 228 501	01

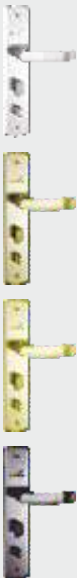
Same concept applies to all ProLock Infinity Handles Design.
NOTE: There is no need to order both DIN left and DIN right for a single door.

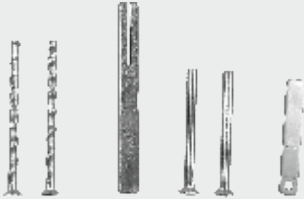
Product	Item Description	Unit	Article No.	PU
Prolock Infinity : The Complete Main Door Solution (Outside Fixed Handle)				
	Prolock Infinity Handles Design 1			
	Prolock Infinity 1 SS DIN Left Fixed	Set	9 228 485	01
	Prolock Infinity 1 SS DIN Right Fixed	Set	9 228 501	01
	Prolock Infinity 1 AB DIN Left Fixed	Set	9 228 486	01
	Prolock Infinity 1 AB DIN Right Fixed	Set	9 228 502	01
	Prolock Infinity 1 CH DIN Left Fixed	Set	9 228 487	01
	Prolock Infinity 1 CH DIN Right Fixed	Set	9 228 503	01
	Prolock Infinity 1 BL DIN Left Fixed	Set	9 228 488	01
	Prolock Infinity 1 BL DIN Right Fixed	Set	9 228 504	01
	Prolock Infinity Handles Design 2			
	Prolock Infinity 2 SS DIN Left Fixed	Set	9 228 489	01
	Prolock Infinity 2 SS DIN Right Fixed	Set	9 228 505	01
	Prolock Infinity 2 AB DIN Left Fixed	Set	9 228 490	01
	Prolock Infinity 2 AB DIN Right Fixed	Set	9 228 506	01
	Prolock Infinity 2 CH DIN Left Fixed	Set	9 228 491	01
	Prolock Infinity 2 CH DIN Right Fixed	Set	9 228 507	01
	Prolock Infinity 2 BL DIN Left Fixed	Set	9 228 492	01
	Prolock Infinity 2 BL DIN Right Fixed	Set	9 228 508	01
	Prolock Infinity Handles Design 3			
	Prolock Infinity 3 SS DIN Left Fixed	Set	9 228 493	01
	Prolock Infinity 3 SS DIN Right Fixed	Set	9 228 509	01
	Prolock Infinity 3 AB DIN Left Fixed	Set	9 228 494	01
	Prolock Infinity 3 AB DIN Right Fixed	Set	9 228 510	01
	Prolock Infinity 3 CH DIN Left Fixed	Set	9 228 495	01
	Prolock Infinity 3 CH DIN Right Fixed	Set	9 228 511	01
	Prolock Infinity 3 BL DIN Left Fixed	Set	9 228 496	01
	Prolock Infinity 3 BL DIN Right Fixed	Set	9 228 512	01
SS: Stainless Steel AB: Antique Brass CH: Champagne BL: Black Article codes written in black are available on request.				

Product	Item Description	Unit	Article No.	PU
Prolock Infinity : The Complete Main Door Solution (Outside Fixed Handle)				
	Prolock Infinity Handles Design 4			
	Prolock Infinity 4 SS DIN Left Fixed	Set	9 228 497	01
	Prolock Infinity 4 SS DIN Right Fixed	Set	9 228 513	01
	Prolock Infinity 4 AB DIN Left Fixed	Set	9 228 498	01
	Prolock Infinity 4 AB DIN Right Fixed	Set	9 228 514	01
	Prolock Infinity 4 CH DIN Left Fixed	Set	9 228 499	01
	Prolock Infinity 4 CH DIN Right Fixed	Set	9 228 515	01
	Prolock Infinity 4 BL DIN Left Fixed	Set	9 228 500	01
	Prolock Infinity 4 BL DIN Right Fixed	Set	9 228 516	01
Prolock Infinity : The Complete Main Door Solution (Both side Movable Handle)				
	Prolock Infinity Handles Design 1			
	Prolock Infinity 1 SS DIN Left Movable	Set	9 250 858	01
	Prolock Infinity 1 SS DIN Right Movable	Set	9 250 886	01
	Prolock Infinity 1 AB DIN Left Movable	Set	9 250 859	01
	Prolock Infinity 1 AB DIN Right Movable	Set	9 250 887	01
	Prolock Infinity 1 CH DIN Left Movable	Set	9 250 888	01
	Prolock Infinity 1 CH DIN Right Movable	Set	9 250 889	01
	Prolock Infinity 1 BL DIN Left Movable	Set	9 250 910	01
	Prolock Infinity 1 BL DIN Right Movable	Set	9 250 911	01
Note: Fixing Accessories to be required if the Door Thickness exceeds 50 mm				

SS: Stainless Steel AB: Antique Brass CH: Champagne BL: Black

Article codes written in black are available on request.

Product	Item Description	Unit	Article No.	PU
Prolock Infinity : The Complete Main Door Solution (Both side Movable Handle)				
	Prolock Infinity Handles Design 2			
	Prolock Infinity 2 SS DIN Left Movable	Set	9 250 890	01
	Prolock Infinity 2 SS DIN Right Movable	Set	9 250 891	01
	Prolock Infinity 2 AB DIN Left Movable	Set	9 250 860	01
	Prolock Infinity 2 AB DIN Right Movable	Set	9 250 892	01
	Prolock Infinity 2 CH DIN Left Movable	Set	9 250 861	01
	Prolock Infinity 2 CH DIN Right Movable	Set	9 250 893	01
	Prolock Infinity 2 BL DIN Left Movable	Set	9 250 862	01
	Prolock Infinity 2 BL DIN Right Movable	Set	9 250 894	01
	Prolock Infinity Handles Design 3			
	Prolock Infinity 3 SS DIN Left Movable	Set	9 250 863	01
	Prolock Infinity 3 SS DIN Right Movable	Set	9 250 902	01
	Prolock Infinity 3 AB DIN Left Movable	Set	9 250 864	01
	Prolock Infinity 3 AB DIN Right Movable	Set	9 250 903	01
	Prolock Infinity 3 CH DIN Left Movable	Set	9 250 865	01
	Prolock Infinity 3 CH DIN Right Movable	Set	9 250 904	01
	Prolock Infinity 3 BL DIN Left Movable	Set	9 250 866	01
	Prolock Infinity 3 BL DIN Right Movable	Set	9 250 905	01
	Prolock Infinity Handles Design 4			
	Prolock Infinity 4 SS DIN Left Movable	Set	9 250 867	01
	Prolock Infinity 4 SS DIN Right Movable	Set	9 250 906	01
	Prolock Infinity 4 AB DIN Left Movable	Set	9 250 868	01
	Prolock Infinity 4 AB DIN Right Movable	Set	9 250 907	01
	Prolock Infinity 4 CH DIN Left Movable	Set	9 250 869	01
	Prolock Infinity 4 CH DIN Right Movable	Set	9 250 908	01
	Prolock Infinity 4 BL DIN Left Movable	Set	9 250 870	01
	Prolock Infinity 4 BL DIN Right Movable	Set	9 250 909	01
SS: Stainless Steel AB: Antique Brass CH: Champagne BL: Black				
Article codes written in black are available on request.				

Product	Item Description	Unit	Article No.	PU
Prolock Infinity : Lock Body and Fixing Accessories				
	Prolock Infinity Special Main Door Lock			
	HBS 21 FSL: Sash Lock DIN Left/Right Backset 60 with 3 Bolt, Latch And 1 Manual Bolt SS Finish	Set	9 228 517	01
	HBS 21 FSL: Sash Lock DIN Left/Right Backset 60 with 3 Bolt, Latch And 1 Manual Bolt AB Finish	Set	9 228 629	01
	HBS 21 FSL: Sash Lock DIN Left/Right Backset 60 with 3 Bolt, Latch And 1 Manual Bolt CH Finish	Set	9 228 631	01
	HBS 21 FSL: Sash Lock DIN Left/Right Backset 60 with 3 Bolt, Latch And 1 Manual Bolt BL Finish	Set	9 228 633	01
	Fixing Accessories for Door Thickness for 50-70 & 70-90 mm			
	Fixing Accessories for Door Thickness for 50-70 mm	Set	9 250 498	01
	Fixing Accessories for Door Thickness for 70-90 mm	Set	9 250 499	01

Note: Fixing Accessories to be required if the Door Thickness exceeds 50 mm

SS: Stainless Steel
AB: Antique Brass
CH: Champagne
BL: Black

Article codes written in black are available on request.

Product	Item Description	Unit	Article No.	PU
Prolock Infinity : Thumb Turn Infinity Cylinder				
	Infinity Thumb Turn Cylinder: Size – 70 mm			
	Infinity Thumb Turn Cylinder: Size – 70 mm Stainless Steel Satin Finish	Set	9 228 518	01
	Infinity Thumb Turn Cylinder: Size – 70 mm Antique Brass Finish	Set	9 228 630	01
	Infinity Thumb Turn Cylinder: Size – 70 mm Champagne Finish	Set	9 228 632	01
	Infinity Thumb Turn Cylinder: Size – 70 mm Matt Black Finish	Set	9 228 634	01
	Infinity Thumb Turn Cylinder: Size – 80 mm			
	Infinity Thumb Turn Cylinder: Size – 80 mm Stainless Steel Satin Finish	Set	9 250 491	01
	Infinity Thumb Turn Cylinder: Size – 80 mm Antique Brass Finish	Set	9 251 068	01
	Infinity Thumb Turn Cylinder: Size – 80 mm Champagne Finish	Set	9 250 962	01
	Infinity Thumb Turn Cylinder: Size – 80 mm Matt Black Finish	Set	9 250 969	01
	Infinity Thumb Turn Cylinder: Size – 90 mm			
	Infinity Thumb Turn Cylinder: Size – 90 mm Stainless Steel Satin Finish	Set	9 250 492	01
	Infinity Thumb Turn Cylinder: Size – 90 mm Antique Brass Finish	Set	9 251 069	01
	Infinity Thumb Turn Cylinder: Size – 90 mm Champagne Finish	Set	9 250 963	01
	Infinity Thumb Turn Cylinder: Size – 90 mm Matt Black Finish	Set	9 250 726	01
	Infinity Thumb Turn Cylinder: Size – 100 mm			
	Infinity Thumb Turn Cylinder: Size – 100 mm Stainless Steel Satin Finish	Set	9 250 493	01
	Infinity Thumb Turn Cylinder: Size – 100 mm Antique Brass Finish	Set	9 251 070	01
	Infinity Thumb Turn Cylinder: Size – 100 mm Champagne Finish	Set	9 250 964	01
	Infinity Thumb Turn Cylinder: Size – 100 mm Matt Black Finish	Set	9 250 727	01
SS: Stainless Steel AB: Antique Brass CH: Champagne BL: Black Article codes written in black are available on request.				

Product	Item Description	Unit	Article No.	PU
Prolock Infinity : Both Side key Infinity Cylinder				
	Infinity Both Side Key Cylinder: Size - 70 mm			
	Infinity Both Side Key Cylinder: Size - 70 mm Stainless Steel Satin Finish	Set	9 250 494	01
	Infinity Both Side Key Cylinder: Size - 70 mm Antique Brass Finish	Set	9 251 071	01
	Infinity Both Side Key Cylinder: Size - 70 mm Champagne Finish	Set	9 250 965	01
	Infinity Both Side Key Cylinder: Size - 70 mm Matt Black Finish	Set	9 250 728	01
	Infinity Both Side Key Cylinder: Size - 80 mm			
	Infinity Both Side Key Cylinder: Size - 80 mm Stainless Steel Satin Finish	Set	9 250 495	01
	Infinity Both Side Key Cylinder: Size - 80 mm Antique Brass Finish	Set	9 251 072	01
	Infinity Both Side Key Cylinder: Size - 80 mm Champagne Finish	Set	9 250 966	01
	Infinity Both Side Key Cylinder: Size - 80 mm Matt Black Finish	Set	9 250 729	01
	Infinity Both Side Key Cylinder: Size - 90 mm			
	Infinity Both Side Key Cylinder: Size - 90 mm Stainless Steel Satin Finish	Set	9 250 496	01
	Infinity Both Side Key Cylinder: Size - 90 mm Antique Brass Finish	Set	9 251 073	01
	Infinity Both Side Key Cylinder: Size - 90 mm Champagne Finish	Set	9 250 967	01
	Infinity Both Side Key Cylinder: Size - 90 mm Matt Black Finish	Set	9 250 730	01
	Infinity Both Side Key Cylinder: Size - 100 mm			
	Infinity Both Side Key Cylinder: Size - 100 mm Stainless Steel Satin Finish	Set	9 250 497	01
	Infinity Both Side Key Cylinder: Size - 100 mm Antique Brass Finish	Set	9 251 074	01
	Infinity Both Side Key Cylinder: Size - 100 mm Champagne Finish	Set	9 250 968	01
	Infinity Both Side Key Cylinder: Size - 100 mm Matt Black Finish	Set	9 250 731	01
SS: Stainless Steel AB: Antique Brass CH: Champagne BL: Black				

ProLock Interior 1



Application:

- For Internal Residential doors in a Combo application
- Lever Handle on Back plate
- No Visible screws on the front
- Split Latch lock for extra security and safety
- Door thickness: 30 - 50 mm
- Material: Zinc alloy
- No Handed version for DIN Left /Right

Lock body:

- Backset: 60mm
- Performance cycle: 100000 cycle tested
- Material: zinc alloy
- Keys 3 nos

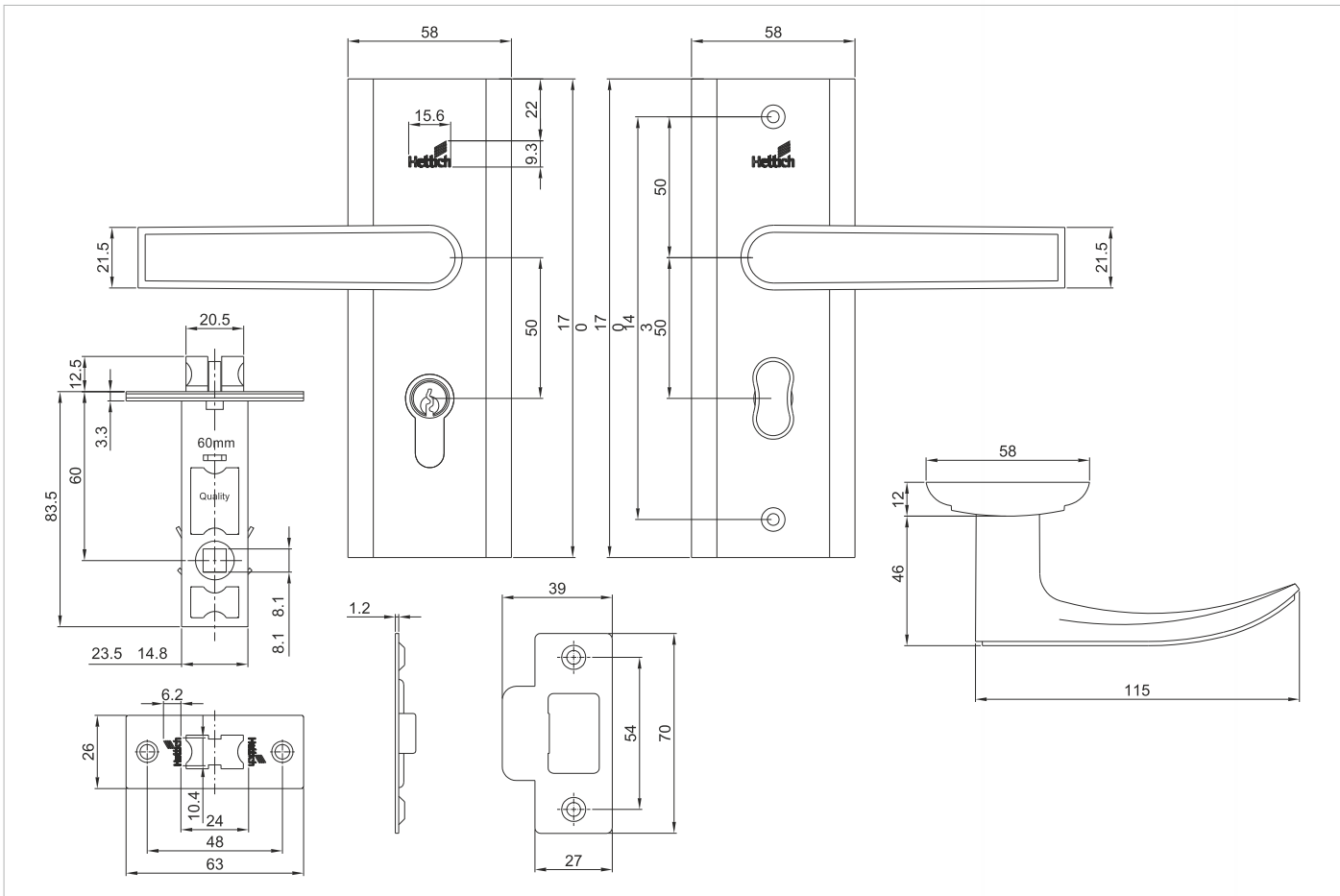
Euro profile cylinder:

- Cylinder types: one side key one side thumb turn

Available finishes:

- Stainless steel, Antique Brass

Dimensional Diagram



S.No	Description	Unit	Article No.	PU
1	Prolock Interior 1 SN finish DT 30 - 50 mm Zinc Handle w/ Lock, Satin Nickle finish Set	Set	9 250 940	1

ProLock Interior 3



Application:

- For Internal Residential doors in a Combo application
- Lever Handle on Back plate
- No Visible screws on the front
- Split Latch lock for extra security and safety
- Returning spring
- No Handed version for DIN Left /Right
- Door thickness: 30 - 50 mm
- Material: zinc alloy

Lock body:

- Backset: 60 mm
- Performance cycle: 100000 cycle tested
- Material: zinc alloy
- Keys 3 nos

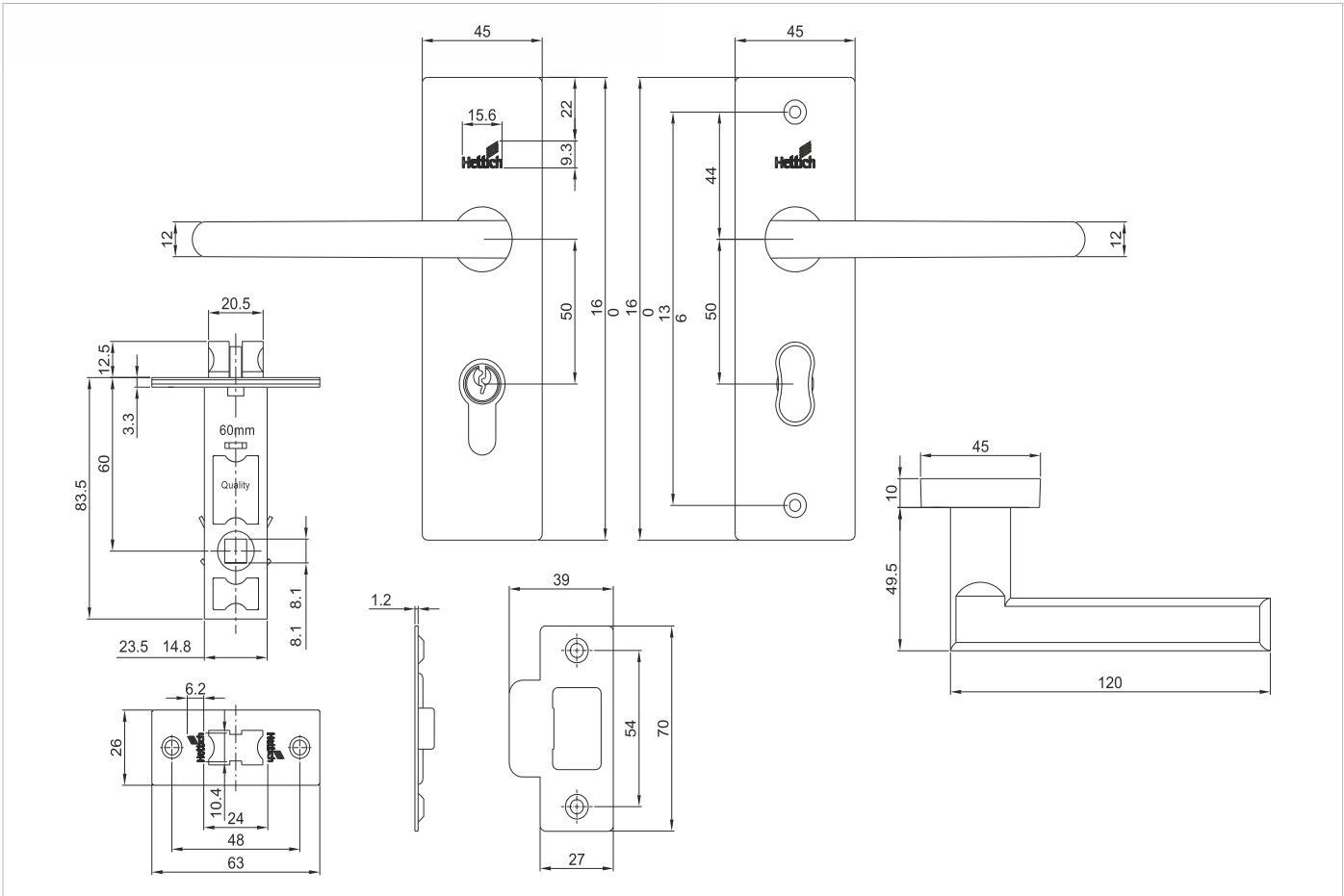
Euro profile cylinder:

- Cylinder types: one side key one side thumb turn

Available finishes:

- Stainless steel, Antique Brass

Dimensional Diagram



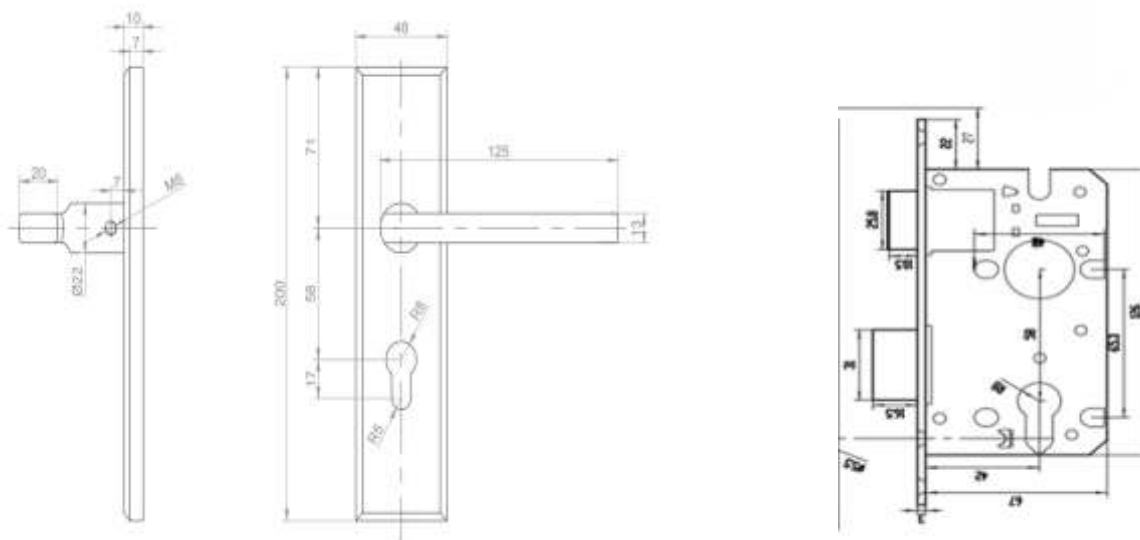
S.No	Description	Unit	Article No.	PU
1	Prolock Interior 3 SN finish DT 30 - 50 mm Zinc Handle w/ Lock, Satin Nickle finish	Set	9 250 941	1

ProLock Combo



- ▶ Complete combo 8-inch lever handle, lock & cylinder set
- ▶ Tested for 200,000 cycle
- ▶ Door thickness: 35-50 mm
- ▶ SS 304 lever handle with back plate 200x48mm
- ▶ Split latch lock case with SS 304 latch/dead bolt/strike plate
- ▶ Lock body: Backset 45 mm / CTC 60 mm & forend 22 mm
- ▶ Brass cylinder of size 70 mm with 3 Keys (standard)
- ▶ Cylinders function in Key x thumb turn (entry & internal door)
- ▶ Cylinders function coin release x thumb turn for (toilet door)
- ▶ Finish option Satin Stainless Steel, Antique Brass & Black

Dimension drawing



S.no.	Description	Unit	Article No.	PU
1	ProLock combo, door thickness 35-50 mm, SS 304 back plate & lever along with lock and cylinder 70mm with 3 keys and thumb turn on inside, SSS finish	Set	9 360 360	01
2	ProLock combo, door thickness 35-50 mm, SS 304 back plate & lever along with lock and cylinder 70mm WC version with emergency release, SSS finish	Set	9 360 361	01
3	ProLock combo, door thickness 35-50 mm, SS 304 back plate & lever along with lock and cylinder 70mm with 3 keys and thumb turn on inside, AB finish	Set	9 360 362	01
4	ProLock combo, door thickness 35-50 mm, SS 304 back plate & lever along with lock and cylinder 70mm WC version with emergency release, AB finish	Set	9 360 364	01
5	ProLock combo, door thickness 35-50 mm, SS 304 back plate & lever along with lock and cylinder 70mm with 3 keys and thumb turn on inside, BL finish	Set	9 374 288	01
6	ProLock combo, door thickness 35-50 mm, SS 304 back plate & lever along with lock and cylinder 70mm WC version with emergency release, BL finish	Set	9 374 289	01



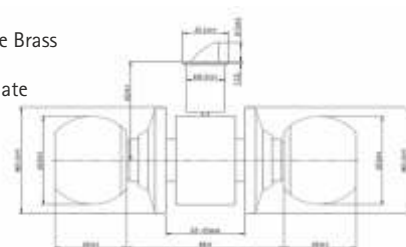
Security solutions for any door type

Hettich Cylindrical Locks encompasses knobs & handles that are made of Stainless Steel (SS 304 Grade) rust free material. It has brass cylinders with mechanical key system. It is supplied with 3 keys & easy is easy to install. Hettich Cylindrical locks are available in various options to cater to the locking needs of all types of room. For external apartment and office doors – inside with Push/ Turn knob and outside with key. For bathroom, bedroom and private room doors – inside with Push/ Turn knob and outside with coin slot. And for balcony and terrace doors – inside with Push knob and outside Blank Knob.

Cylindrical Knob Locks

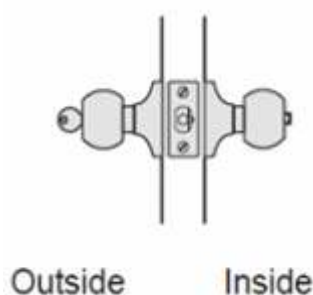


- ▶ Suitable door thickness: 30 mm – 45 mm
- ▶ Backset: 60 mm
- ▶ Function: Entrance/bathroom
- ▶ Material: Stainless steel
- ▶ Version: Cylinder with 5 pins
- ▶ Finish: Stainless Steel/Polished Brass/Antique Brass
- ▶ Set Includes:
 - 1 Knob lockset with latchbolt and striking plate
 - 1 Special key for mounting the knobs
 - 1 Set of fixing material
 - 1 Set of installation instructions
 - 3 Keys (not in W/C version)



Dimension: HCK 01

For external apartment and office doors



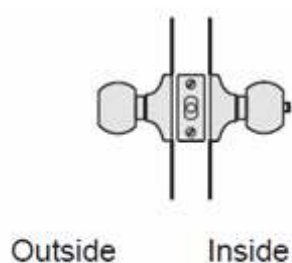
Function

- ▶ Lock operation
 - Locking of door from inside with push button
 - The push button locking is released by opening the door from inside or by using the key.
- ▶ Permanent locking function
 - Locking of door from inside: Set permanent locking function of push button using a screwdriver
 - The push button locking cannot be released by opening the door from inside nor by locking the door.
- ▶ Door is locked
 - Opening of door from inside with turn knob
 - Opening of door from outside with key
- ▶ Door is not locked
 - Opening of door from inside with turn knob
 - Opening of door from outside with turn knob

Version

- ▶ Outside: Turn knob with cylinder
- ▶ Inside: Turn knob with push button, arresting, with dead locking latch bolt

For bathroom/WC doors, bedroom and private room doors



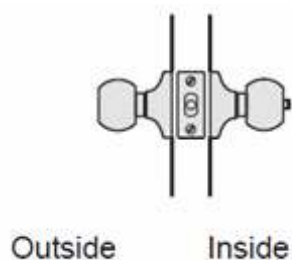
Function

- ▶ Lock operation
 - Locking of door from inside with push button
 - The push button locking is released by opening the door from inside or by locking the door.
- ▶ Door is locked
 - Opening of door from inside with turn knob
 - Opening of door from outside with flat object (coin)
- ▶ Door is not locked
 - Opening of door from inside with turn knob
 - Opening of door from outside with turn knob

Version

- ▶ Outside: Turn knob with emergency opening
- ▶ Inside: Turn knob with push button

For balcony/ one way access doors, terrace, balcony doors



Function

- ▶ Lock operation
 - Locking of door from inside with push button
 - The push button locking is released by opening the door from inside
- ▶ Door is locked
 - Opening of door from inside with turn knob
 - No opening of door from outside due to blank knob
- ▶ Door is not locked
 - Opening of door from inside with turn knob
 - Opening of door from outside with turn knob

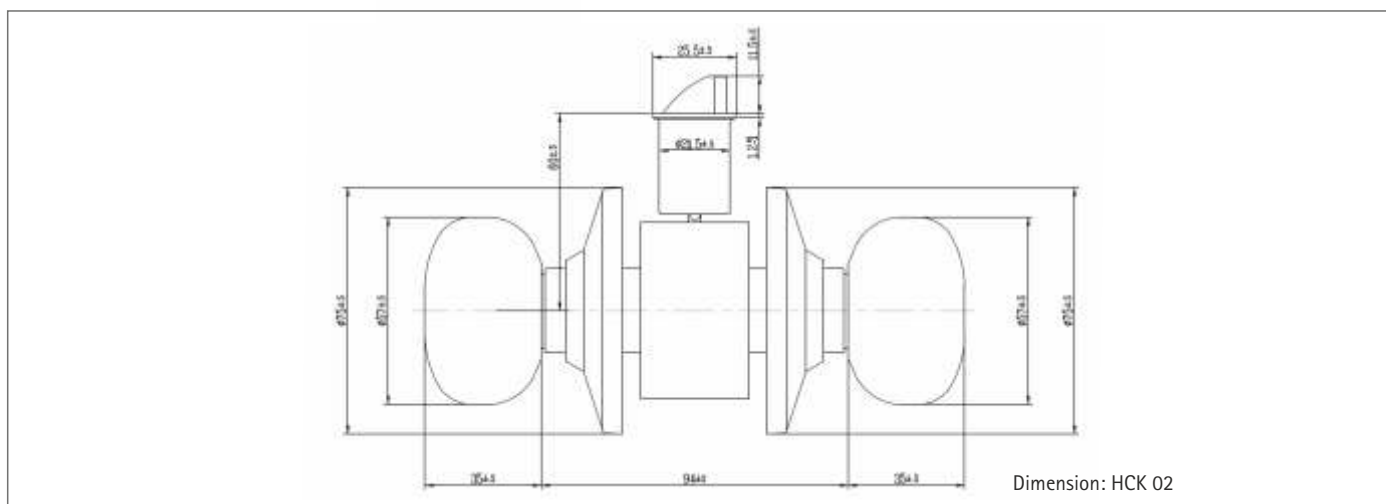
Version

- ▶ Outside: Blank knob with no operation points
- ▶ Inside: Turn knob with push button

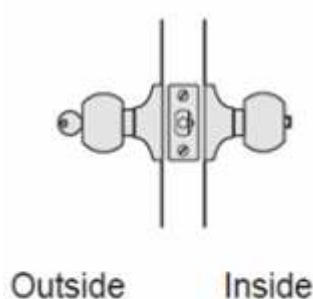
Cylindrical Knob Locks



- Suitable door thickness: 30 mm – 45 mm
- Backset: 60 mm
- Function: Entrance/bathroom
- Material: Stainless steel
- Version: Cylinder with 5 pins
- Finish: Stainless Steel/Polished Brass/Antique Brass
- Set Includes:
 - 1 Knob lockset with latchbolt and striking plate
 - 1 Special key for mounting the knobs
 - 1 Set of fixing material
 - 1 Set of installation instructions
 - 3 Keys (not in W/C version)



For external apartment and office doors



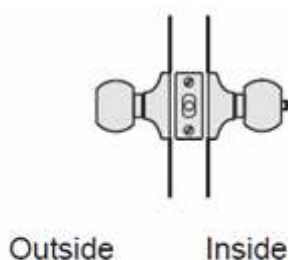
Function

- Lock operation
 - Locking of door from inside with push button
 - The push button locking is released by opening the door from inside or by using the key.
- Permanent locking function
 - Locking of door from inside: Set permanent locking function of push button using a screwdriver
 - The push button locking cannot be released by opening the door from inside nor by locking the door.
- Door is locked
 - Opening of door from inside with turn knob
 - Opening of door from outside with key
- Door is not locked
 - Opening of door from inside with turn knob
 - Opening of door from outside with turn knob

Version

- Outside: Turn knob with cylinder
- Inside: Turn knob with push button, arresting, with dead locking latch bolt

For bathroom/WC doors, bedroom and private room doors



Function

- Lock operation
 - Locking of door from inside with push button
 - The push button locking is released by opening the door from inside or by locking the door.
- Door is locked
 - Opening of door from inside with turn knob
 - Opening of door from outside with flat object (coin)
- Door is not locked
 - Opening of door from inside with turn knob
 - Opening of door from outside with turn knob

Version

- Outside: Turn knob with emergency opening
- Inside: Turn knob with push button

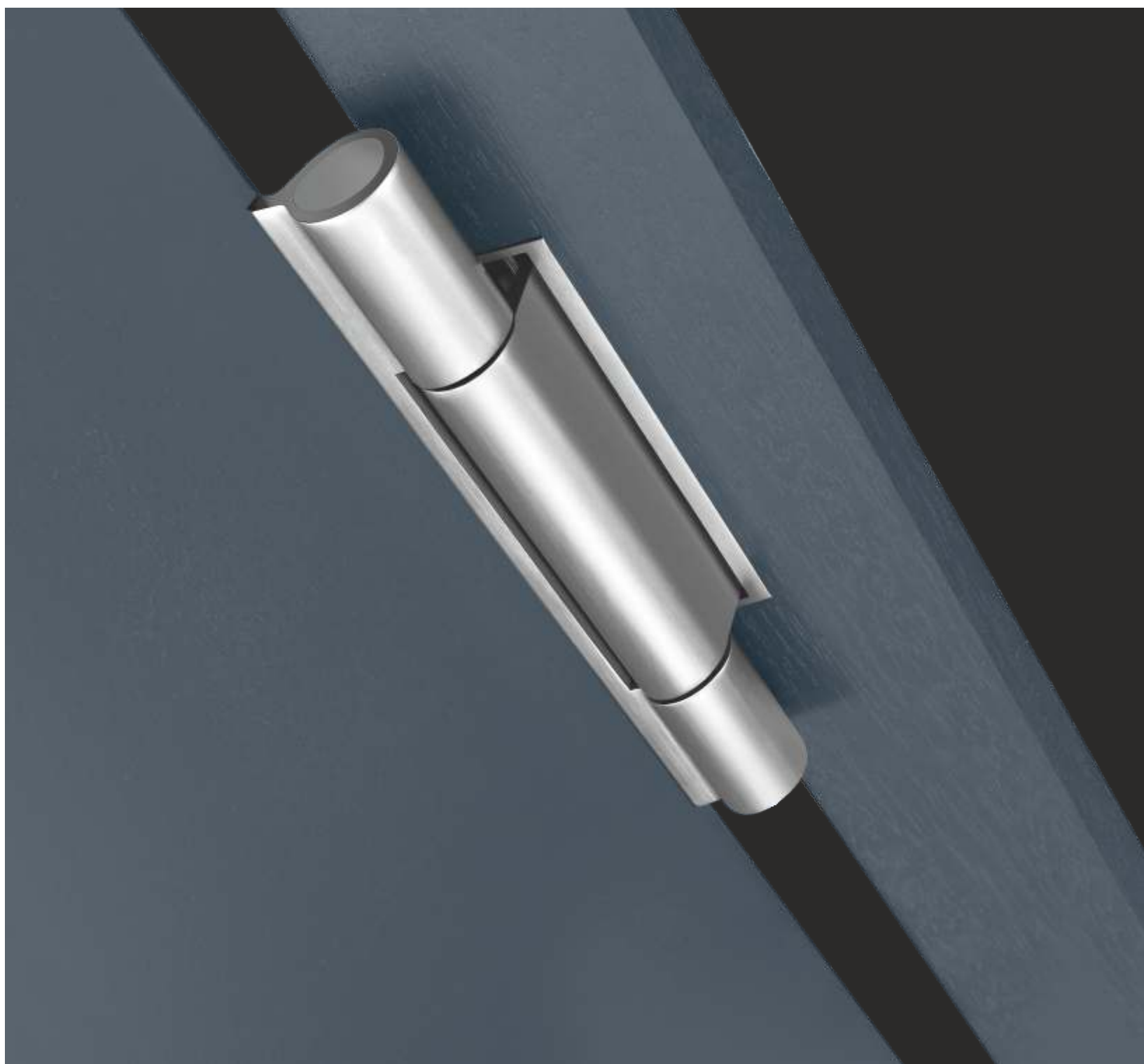
S.no.	Product Image	Description	Unit	Article No.	PU
1		HCK 01 SS: One side Key and one side knob (For Room Doors) (For Room Doors), with 3 keys, dia 65 mm	Set	9 228 335	01
2		HCK 01 SS WC: One side Knob and other side emergency release slot, without key (for Washroom doors), dia 65 mm	Set	9 228 336	01
3		HCK 01 SS BD: One side knob and other side Dead Knob (for Balcony doors), dia 65 mm	Set	9 250 827	01
4		HCK 01 PB: One side Key and one side knob (For Room Doors) (For Room Doors), with 3 keys, dia 65 mm	Set	9 228 337	01
5		HCK 01 PB WC: One side Knob and other side emergency release slot, without key (for Washroom doors), dia 65 mm	Set	9 228 338	01
6		HCK 01 PB BD: One side knob and other side Dead Knob (for Balcony doors), dia 65 mm	Set	9 250 583	01
7		HCK 01 AB: One side Key and one side knob (For Room Doors) (For Room Doors), with 3 keys, dia 65 mm	Set	9 228 339	01
8		HCK 01 AB WC: One side Knob and other side emergency release slot, without key (for Washroom doors), dia 65 mm	Set	9 228 340	01
9		HCK 01 AB BD: One side knob and other side Dead Knob (for Balcony doors), dia 65 mm	Set	9 250 582	01
10		HCK 02 SS: One side Key and one side knob (For Room Doors), with 3 keys, dia 75 mm	Set	9 228 341	01
11		HCK 02 SS WC: One side Knob and other side emergency release slot, without key (for bathroom doors), dia 75 mm	Set	9 228 342	01
12		HCK 02 PB: One side Key and one side knob (For Room Doors), with 3 keys, dia 75 mm	Set	9 228 343	01
13		HCK 02 PB WC: One side Knob and other side emergency release slot, without key (for bathroom doors), dia 75 mm	Set	9 228 344	01
14		HCK 02 AB: One side Key and one side knob (For Room Doors), with 3 keys, dia 75 mm	Set	9 228 345	01
15		HCK 02 AB WC: One side Knob and other side emergency release slot, without key (for bathroom doors), dia 75 mm	Set	9 228 346	01

SS: Stainless Steel finish

PB: Polished Brass finish

AB: Antique Brass finish

Article codes written in black are available on request.

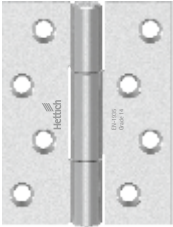


Defying laws of leverage

Good hinges ensure that doors open with minimum effort. They are the fulcrum to a door and thereby define the mobility of the door. So it is but imperative that Hinges should be crafted with highest quality standards. Hettich has always been the pioneer of Hinge technology owing to years of R&D in the field.

Types of Hinges

Concealed Bearing Hinges



Hinges with concealed bearing for high weight carrying capacity.

Ball Bearing Hinges



Hinges having Ball bearing for smooth and balanced performance.

Hinge Without Ball Bearings



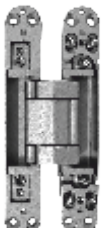
Hinge without ball bearing for light doors and moderate use.

Concealed Hinges



Hinge that are not visible when the door is closed.

3D Concealed Hinges



Hinge made for 3 dimensional adjustments for perfect alignment of doors.

Flag Hinge



Hinge with detachable leaves for Modular Steel doors, thus reducing hinge installation time to a great extent.

Spring Hinge



Spring hinges allow doors to close automatically or be held in the open or closed position.

Lift Off Hinge



Hinge with detachable leaves for Modular Wooden doors, thus reducing hinge installation at site time to a great extent.

Security Hinge



Hinge with security pins welded on to the leaves and helps to secure doors when in closed position.

Flush Hinge



Hinge designed for one leaf to nestle into the other leaf, thus reducing the amount of space it requires as well as milling time.

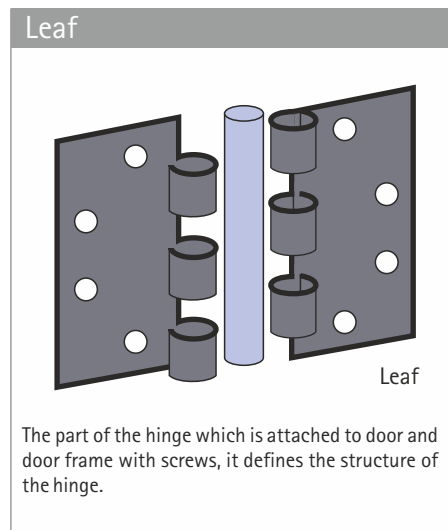
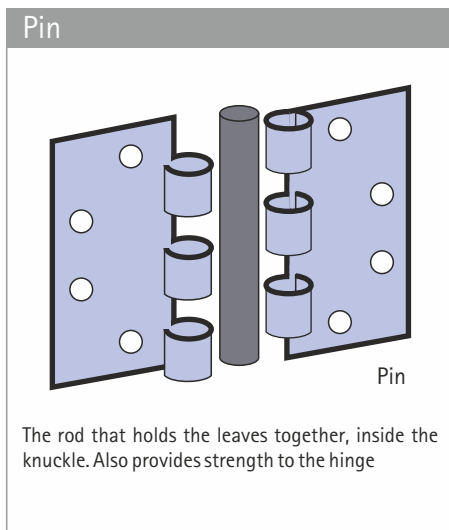
Rising Hinge



Hinges that help in raising the door as it opens, thus helping to clear a carpet or wooden flooring when opened.

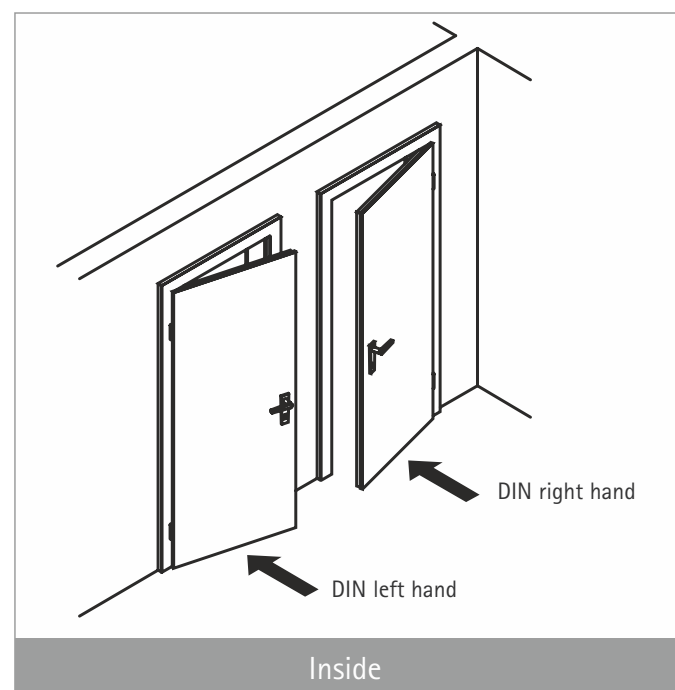
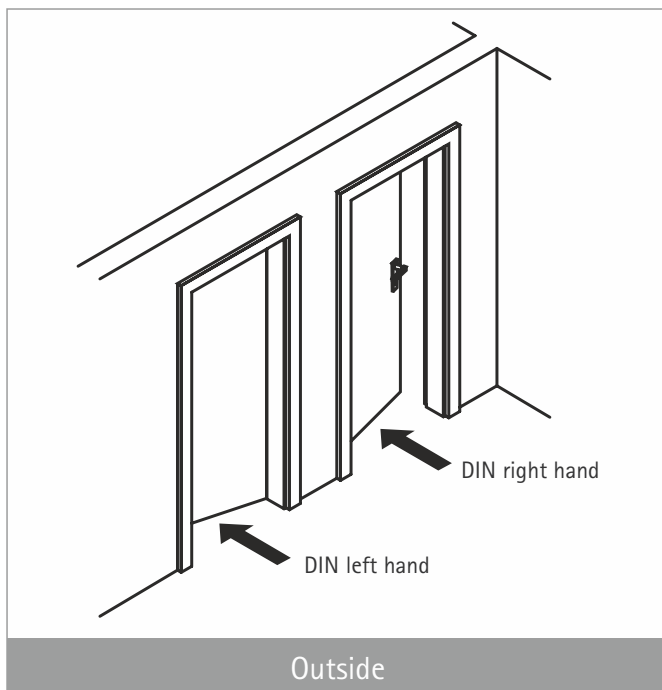
Butt Hinge: Components

- ▶ Butt hinge mainly comprises of three major components i.e. Pin, Leaf and Circular Ball Bearing.



Door Direction: According to DIN

- ▶ Depending on the pivot direction of a door, a door is classified as a left or right handed door.
- ▶ The door direction or side definition is according to the German standard DIN 107.
- ▶ Visible position (Knuckle) of the door hinges on the left = DIN left
- ▶ Visible position (Knuckle) of the door hinges on the right = DIN right.



Please note that Indian Market sometimes follow the ANSI definition of Left Hand & Right Hand doors. ANSI definition of Left Hand & Right Hand doors are opposite of DIN Standards.

EN Certificate Classification: Hinges – EN 1935

► EN 1935 testing is evaluated as per below:

1. Category of Use

Grade 1: Light duty

Hinges for use on doors or windows in housing or other living areas and in buildings where there is a low frequency of use by those with a high incentive to exercise care and with a small chance of accidents occurring or of misuse.

Grade 2: Medium duty

Hinges for use on doors in housing or other living areas and in other buildings where there is a medium frequency of use by those with some incentive to exercise care but where there is some chance of accidents occurring or of misuse.

Grade 3: Heavy duty

Hinges for use on doors in buildings where there is a high frequency of use by public or others with little incentive to exercise care and with a high chance of accidents occurring or of misuse.

Grade 4: Severe duty

Hinges for use on doors which are subject to frequent violent usage.

2. Durability

Grade 3: 10000 test cycles (Hinges for use only on windows)

Grade 4: 25000 test cycles (Hinges for use on windows and doors)

Grade 7: 200000 test cycles (Hinges for use only on doors)

3. Test Door Mass

Grade 0: 10 kg

Grade 1: 20 kg

Grade 2: 40 kg

Grade 3: 60 kg

Grade 4: 80 kg

Grade 5: 100 kg

Grade 6: 120 kg

Grade 7: 160 kg

4. Suitability for use on Fire/Smoke Doors

Grade 0: Not suitable for use on fire/smoke resistant door assemblies

Grade 1: Suitable for use on fire/smoke resistant door assemblies (EN 1634 – 1)

5. Safety

Grade 1: All hinges are required to satisfy the essential requirement of safety in use. Therefore only grade 1 is identified.

6. Corrosion Resistance

Grade 0: No defined corrosion resistance (No testing done)

Grade 1: Mild corrosion resistance (24 hrs Salt Spray Tested)

Grade 2: Moderate corrosion resistance (48 hrs Salt Spray Tested)

Grade 3: High corrosion resistance (96 hrs Salt Spray Tested)

Grade 4: Very high corrosion resistance (240 hrs Salt Spray Tested)

7. Security Burglar Resistance

Grade 0: Not suitable for use on burglar resistant door assemblies.

Grade 1: Suitable for use on burglar resistant door assemblies, subject to satisfactory assessment of the contribution of the hinges to the burglar resistance of specified burglar resistant door assemblies.

8. Hinge Grade

Fourteen grades of hinges are identified in this European Standard, as listed in the table below.

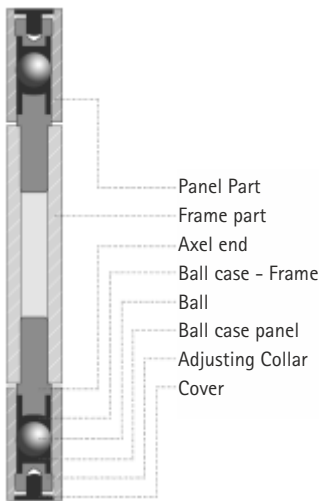
Criteria:- 1 2 3 4 5 6 7 8

Classification Coding System: Eg. HBN 20 (Horizon Series)

Grades:- 4 7 7 1 1 4 1 14

First digit			Second digit		Third digit		Fourth digit	Fifth digit	Sixth digit	Seventh digit	Eighth digit
Category of use			Durability test cycles		Test door mass		Fire/smoke suitability	Safety	Corrosion resistance	Security	Hinge grade
Duty	Grade	For use on	Grade	Number of test cycles	Grade	Mass kg	Grade	Grade	Grade	Grade	Grade
Light	1	Window	3	10,000	0	10	0 or 1	1	0,1,2,3,4	0 or 1	1
Light	1	Window	3	10,000	1	20	0 or 1	1	0,1,2,3,4	0 or 1	2
Light	1	Door or Window	4	25,000	1	20	0 or 1	1	0,1,2,3,4	0 or 1	3
Medium	2	Door	7	2,00,000	1	20	0 or 1	1	0,1,2,3,4	0 or 1	4
Light	1	Window	3	10,000	2	40	0 or 1	1	0,1,2,3,4	0 or 1	5
Light	1	Door or Window	4	25,000	2	40	0 or 1	1	0,1,2,3,4	0 or 1	6
Medium	2	Door	7	2,00,000	2	40	0 or 1	1	0,1,2,3,4	0 or 1	7
Light	1	Window	3	10,000	3	60	0 or 1	1	0,1,2,3,4	0 or 1	8
Light	1	Door or Window	4	25,000	3	60	0 or 1	1	0,1,2,3,4	0 or 1	9
Medium	2	Door	7	2,00,000	3	60	0 or 1	1	0,1,2,3,4	0 or 1	10
Heavy	3	Door	7	2,00,000	4	80	0 or 1	1	0,1,2,3,4	0 or 1	11
Severe	4	Door	7	2,00,000	5	100	0 or 1	1	0,1,2,3,4	0 or 1	12
Severe	4	Door	7	2,00,000	6	120	0 or 1	1	0,1,2,3,4	0 or 1	13
Severe	4	Door	7	2,00,000	7	160	0 or 1	1	0,1,2,3,4	0 or 1	14

Teflon Fluoro Polymer Coated Bearing



- The quality of a hinge is determined to a great extent by the quality of the bearings.
- Hettich has special concealed Ball Bearing coated with Teflon Fluoro Polymer enabling hinge to carry heavy weights as well as balancing the axial & radial forces on the hinge.
- The bearing system composed of roller balls mounted between the solid lubricant (Teflon Fluoro Polymer) with end caps on one side and the middle pin on the other.
- The middle pin is prevent to move in any direction due to fully balanced system embedded inside the barrel.
- In a series of Practical tests, this bearing technology is successfully tested by an independent institute for more than One Million Opening & Closing actions.

Horizon series Vs Regular Butt Hinge: Features Comparison

Horizon HBN 14 Door Hinge	Regular Butt Hinge	Horizon HBN 14 Door Hinge	Regular Butt Hinge
Design  Seamless hinge design; Fully SS 304 Stainless Steel Construction.	Design  Common Segmented hinge design.	Performance  Teflon Fluoro polymer coated self lubricating Bearing (Grease & Oil free)	Performance  Grease-lubricated bearing
Structure  One laser welded compact unit with no loose components.	Structure  Multiple moving components (pin, cap, bearing etc.) with more possibilities of failures.	Weight  One pair for adjusted door weight of 160 kg.	Weight  Made for adjusted door weight of 80-120 kg; More than 2 units required per door.
Ball Bearing  Patented concealed large ball bearing embedded in the hinge, controlling both radial and axial movement.	Ball Bearing  Common multiple ball bearing unit with high possibilities of disintegrating.	Warranty  50 years warranty; 1 million cycle tested; EN 1935 Class 14 certified.	Warranty  1-5 years warranty (As per manufacturer).

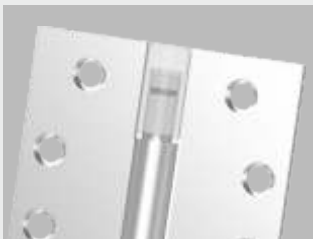
* According to Hettich terms & conditions of application and usage.

Seamless Design



HBN 20/14 : 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.

One Compact Unit



HBN 20/14 : It's a compact unit without any pin or cap, so there is no risk of pin falling out or cover cap getting lost. Fewer components comprises more strength and provides extra security as there is no part to disassemble the hinge easily.

Ball bearing unit for axial and radial directions

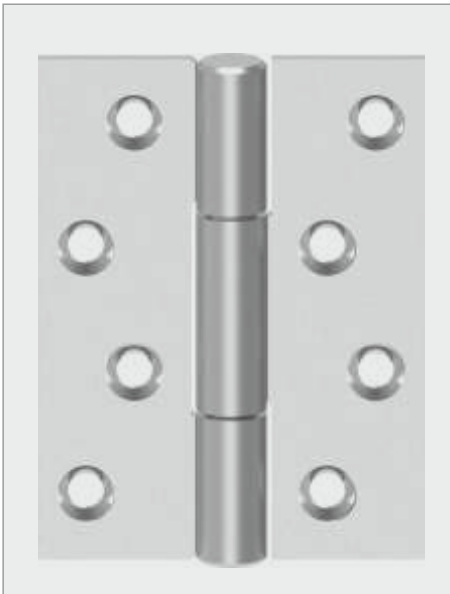


HBN 20/14: Patented self lubricating Teflon Fluoro Polymer Coated Ball bearing works in all directions and is perfectly embedded in the system providing assured stability and balance of door.

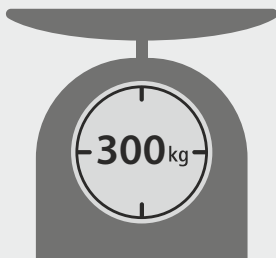
Self Lubricating Technology



HBN 20 Et 14: HBN series hinges have concealed ball bearing with solid lubricant (Teflon Fluoro Polymer Coated) hence preventing lubrication and maintenance. Self lubrication technology also prevent settling of bacteria and dirt on the door edges.



Weight carrying capacity



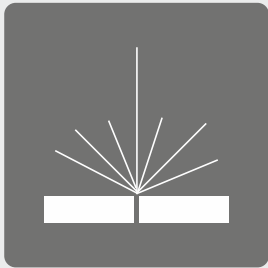
HBN 20/14: HBN series hinges can be used for heavier doors, so two hinges are sufficient enough to hold the door of 300 kg or more.

Less opening resistance



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.

Innovative Manufacturing



Innovative laser welding and casting technology offers less tolerance of the component. These processes are automated hence reducing manufacturing defect

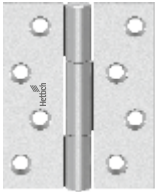
Performance



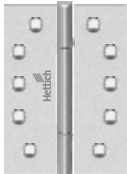
Horizon series hinges offers high performance under pressure. Our hinges are 1,000,000 cycles tested.

Concealed Ball Bearing Hinges: Horizon Series (Seamless Design)

Page no.:- 223 - 229



Horizon HBN 14 (160kg/Pair)



Horizon HBN 20 (300kg/Pair)

Ball Bearing Hinges: HIN Series (Segmented)

Page no.:- 230



HIN 13 (80kg/3Nos)

Hinges Without Ball Bearing

Page no.:- 231



Hinges Without Ball Bearing

Concealed Hinges

Page no.:- 232 - 233



Concealed Hinges



3D-Adjustable Concealed Hinge



2D-Adjustable Concealed Hinge

Special Purpose Hinges

Page no.:- 234 - 239



Flag Hinge (50kg/Pair)



Spring Hinge (40kg/Pair)



Lift-Off Hinge (40kg/Pair)



Security Hinge (50kg/Pair)



Flush Hinge (40kg/Pair)



Rising Hinge (26kg/Pair)

Hinge Technology

► Horizon HBN concealed ball bearing hinge



HBN – 14 Series



Features:

- SS 304 Laser Welded Hinge
- Loading Capacity up to 160 kg per pair
- Tested acc. to EN 1935 (Class 14) for 1 Million (10 Lakh) cycles
- Tested for 120 min Fire Resistant according to EN 1634
- Patented Concealed ball bearing technology
- Teflon Fluoro polymer coated grease- free bearing
- Bearing capable of countering both Axial as well as Radial load
- High Quality PVD Coating Thickness: 16 Micron
- Supplied with SS 304 screws
- Recommended for Both Steel & Wooden doors

Technical details:

- Ø Barrel diameter: 14 mm
- Leaf thickness: 3 mm
- Screws Supplied: 5x30 mm (Z-Pattern) & 5x12 mm (C-Pattern)
- Milling for doors: 3.5 mm
- Edge available: Both Square and Round edge
- Hole Pattern: Both C type & Zig Zag (Z shape)
- Available Sizes: 4x3x3 / 4x3.5x3 / 4x4x3 / 4.5x4x3 / 5x3x3 / 5x4x3
- Finish Available: Stainless Steel Satin
- On request finishes: Black Matt

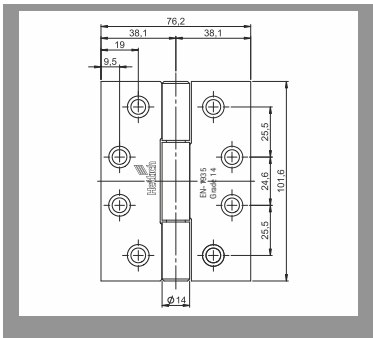
EN 1935 Classification grades:-

4	7	7	1	1	3	1	14
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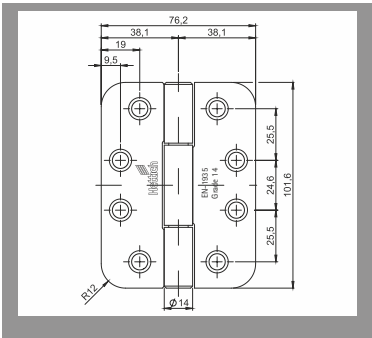
Approved & Certified Product:



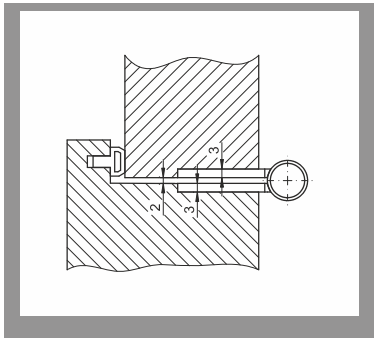
HBN – 14 4x3x3 Drawing & Order Detail



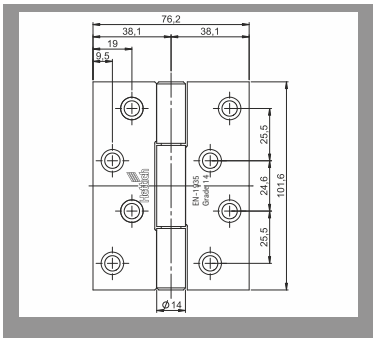
HBN-14 4x3x3 C Square



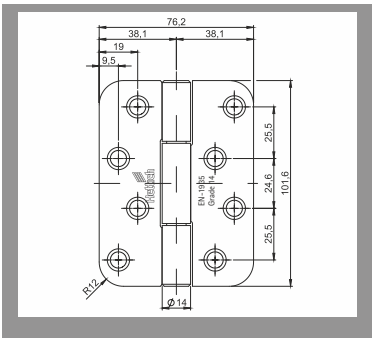
HBN-14 4x3x3 C Round



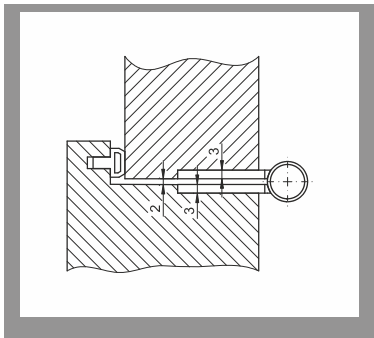
Top View



HBN-14 4x3x3 Z Square



HBN-14 4x3x3 Z Round



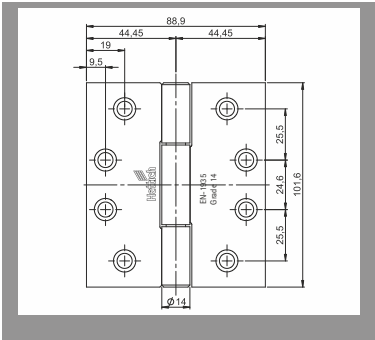
Top View

S.no.	Description	Satin SS	Satin Brass	Matt Black	Unit	PU
1	HBN-14 4x3x3 RoC-Steel	9 228 735	9 250 660	9 250 661	Pair	01
2	HBN-14 4x3x3 RoZ-Timber	9 228 736	9 250 662	9 250 663	Pair	01
3	HBN-14 4x3x3 SqC-Steel	9 228 721	9 250 698	9 250 699	Pair	01
4	HBN-14 4x3x3 SqZ-Timber	9 228 734	9 250 700	9 250 701	Pair	01

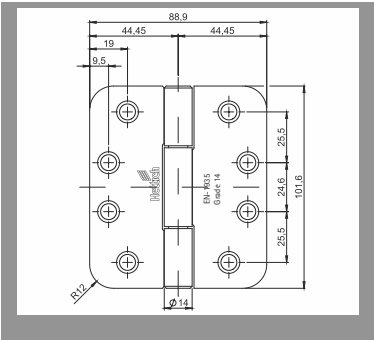
NOTE: SSS: Satin Stainless Steel SB: Satin Brass BL: Matt Black

Article codes written in black are available on request.

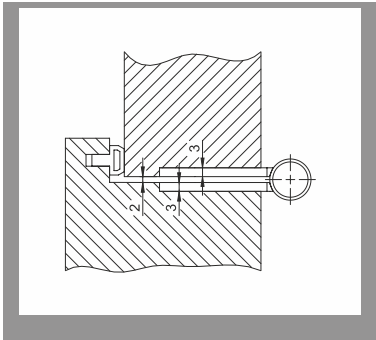
HBN - 14 4x3.5x3 Drawing & Order Detail



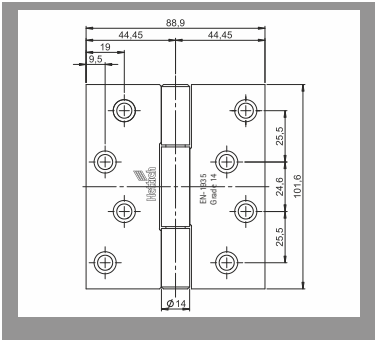
HBN-14 4x3.5x3 C Square



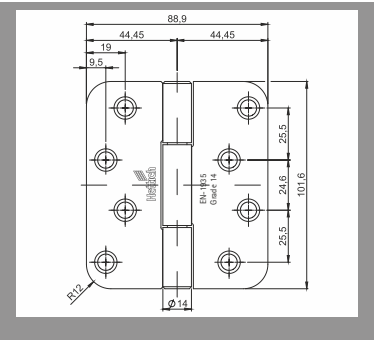
HBN-14 4x3.5x3 C Round



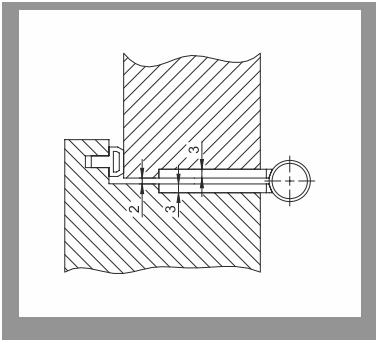
Top View



HBN-14 4x3.5x3 Z Square



HBN-14 4x3.5x3 Z Round

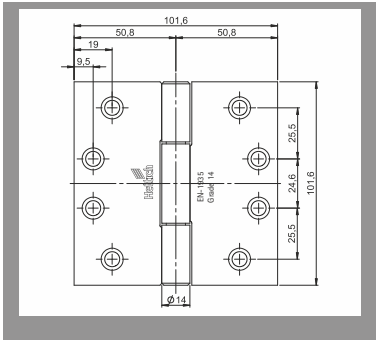


Top View

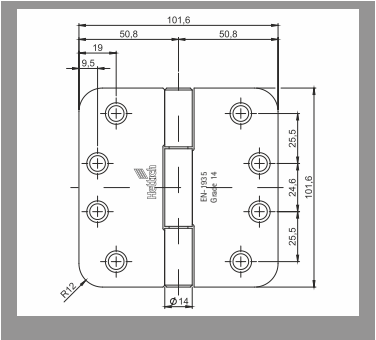
S.no.	Description	Satin SS	Satin Brass	Matt Black	Unit	PU
1	HBN-14 4x3.5x3 RoC-STEEL	9 250 397	9 250 625	9 250 626	Pair	01
2	HBN-14 4x3.5x3 RoZ-TIMBER	9 250 398	9 250 628	9 250 629	Pair	01
3	HBN-14 4x3.5x3 SqC-STEEL	9 228 722	9 250 631	9 250 632	Pair	01
4	HBN-14 4x3.5x3 SqZ-TIMBER	9 250 396	9 250 634	9 250 635	Pair	01

NOTE: SSS: Satin Stainless Steel SB: Satin Brass BL: Matt Black

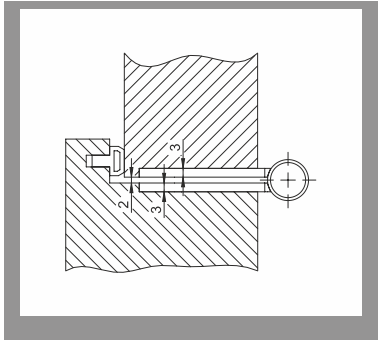
HBN - 14 4x4x3 Drawing & Order Detail



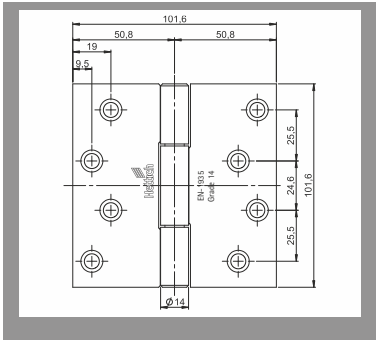
HBN-14 4x4x3 C Square



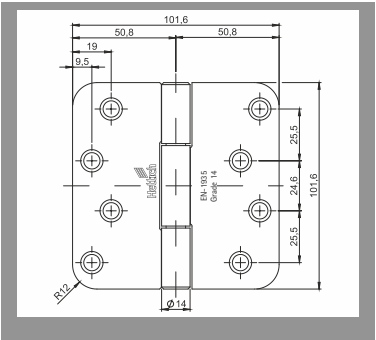
HBN-14 4x4x3 C Round



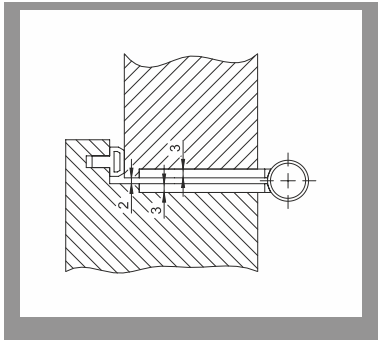
Top view



HBN-14 4x4x3 Z Square



HBN-14 4x4x3 Z Round

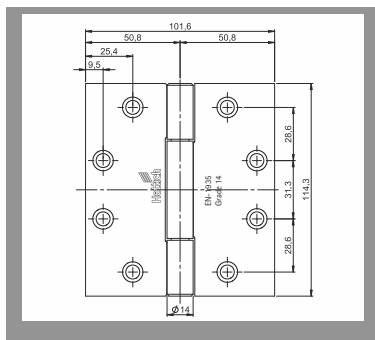


Top view

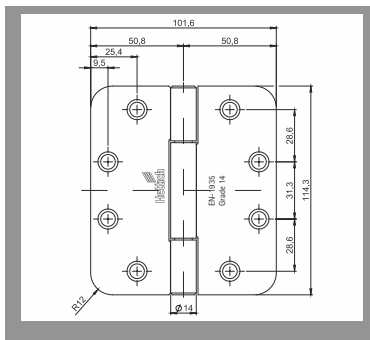
S.no.	Description	Satin SS	Satin Brass	Matt Black	Unit	PU
1	HBN-14 4x4x3 RoC-Steel	9 250 408	9 250 637	9 250 638	Pair	01
2	HBN-14 4x4x3 RoZ-Timber	9 250 409	9 250 640	9 250 641	Pair	01
3	HBN-14 4x4x3 SqC-Steel	9 228 723	9 250 643	9 250 644	Pair	01
4	HBN-14 4x4x3 SqZ-Timber	9 250 407	9 250 646	9 250 647	Pair	01

NOTE: SSS: Satin Stainless Steel SB: Satin Brass BL: Matt Black

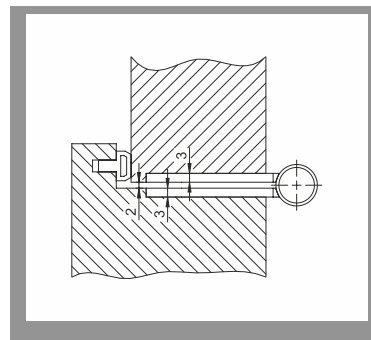
HBN - 14 4.5x4x3 Drawing & Order Detail



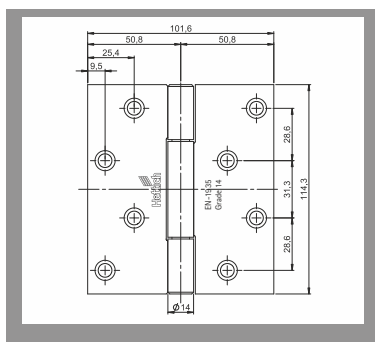
HBN-14 4.5x4x3 C Square



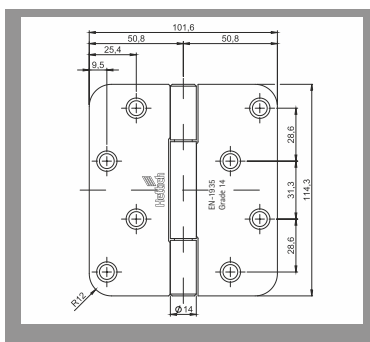
HBN-14 4.5x4x3 C Round



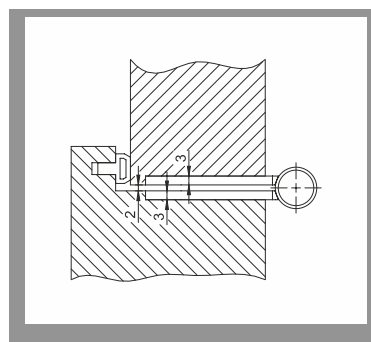
Top View



HBN-14 4.5x4x3 Z Square



HBN-14 4.5x4x3 Z Round

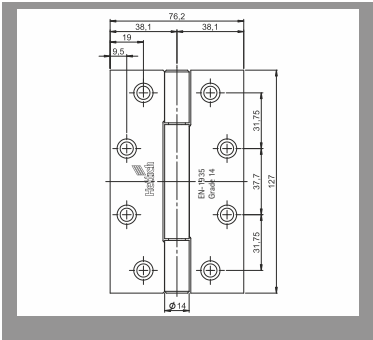


Top View

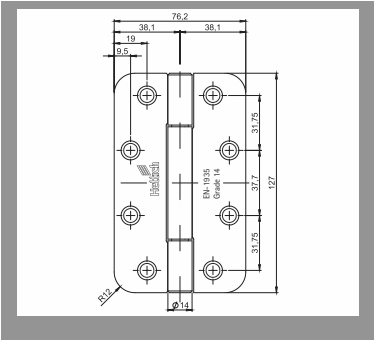
S.no.	Description	Satin SS	Satin Brass	Matt Black	Unit	PU
1	HBN-14 4.5x4x3 RoC-STEEL	9 250 447	9 250 613	9 250 614	Pair	01
2	HBN-14 4.5x4x3 RoZ-TIMBER	9 250 448	9 250 616	9 250 617	Pair	01
3	HBN-14 4.5x4x3 SqC-STEEL	9 228 724	9 250 619	9 250 620	Pair	01
4	HBN-14 4.5x4x3 SqZ-TIMBER	9 250 446	9 250 622	9 250 623	Pair	01

NOTE: SSS: Satin Stainless Steel SB: Satin Brass BL: Matt Black

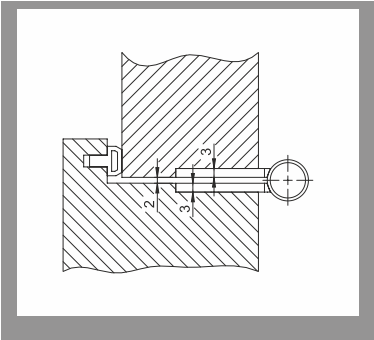
HBN - 14 5x3x3 Drawing & Order Detail



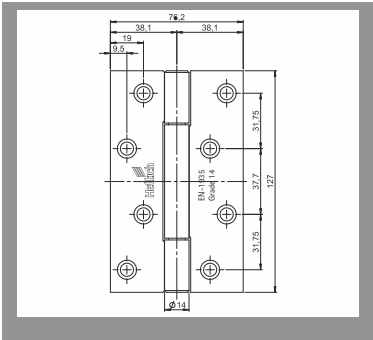
HBN-14 5x3x3 C Square



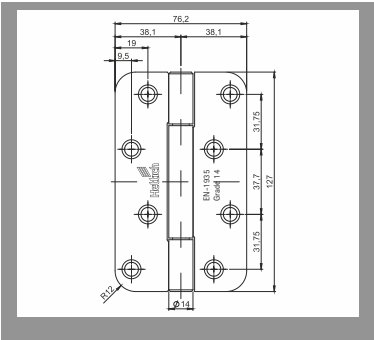
HBN-14 5x3x3 C Round



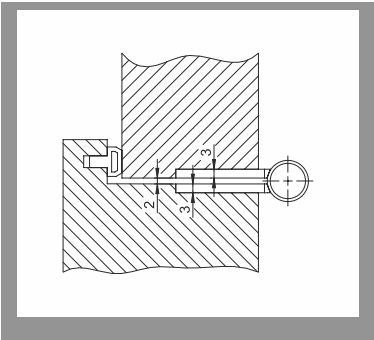
Top View



HBN-14 5x3x3 Z Square



HBN-14 5x3x3 Z Round



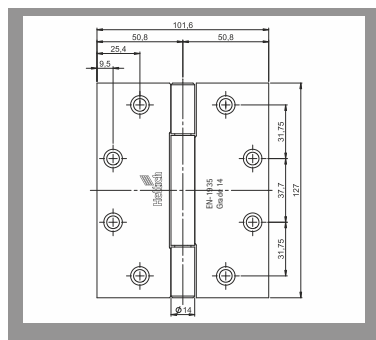
Top View

S.no.	Description	Satin SS	Satin Brass	Matt Black	Unit	PU
1	HBN-14 5x3x3 RoC-Steel	9 228 746	9 250 702	9 250 703	Pair	01
2	HBN-14 5x3x3 RoZ-Timber	9 228 747	9 250 704	9 250 705	Pair	01
3	HBN-14 5x3x3 SqC-Steel	9 228 725	9 250 706	9 250 707	Pair	01
4	HBN-14 5x3x3 SqZ-Timber	9 228 745	9 250 708	9 250 709	Pair	01

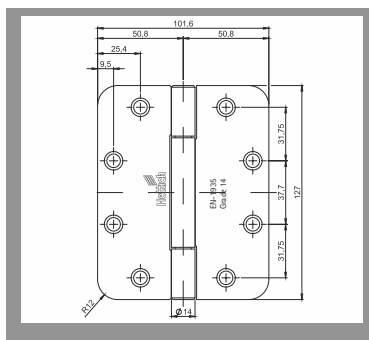
NOTE: SSS: Satin Stainless Steel SB: Satin Brass BL: Matt Black

Article codes written in black are available on request.

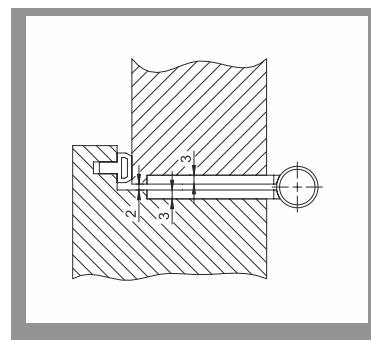
HBN - 14 5x4x3 Drawing & Order Detail



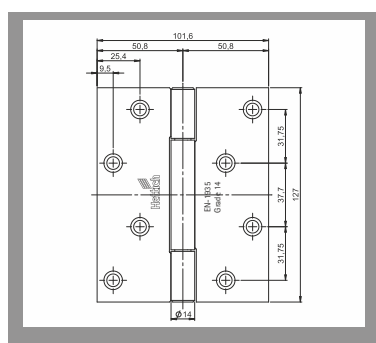
HBN-14 5x4x3 C Square



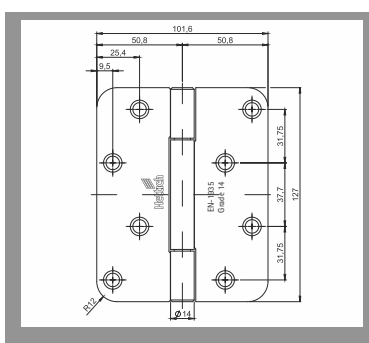
HBN-14 5x4x3 C Round



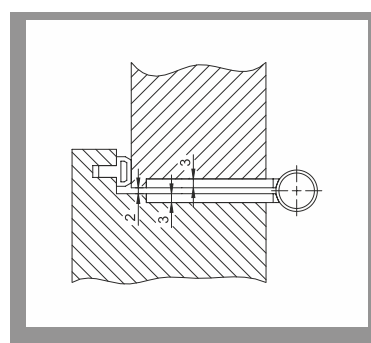
Top View



HBN-14 5x4x3 Z Square



HBN-14 5x4x3 Z Round



Top View

S.no.	Description	Satin SS	Satin Brass	Matt Black	Unit	PU
1	HBN-14 5x4x3 RoC-Steel	9 250 509	9 250 649	9 250 650	Pair	01
2	HBN-14 5x4x3 RoZ-Timber	9 250 510	9 250 652	9 250 653	Pair	01
3	HBN-14 5x4x3 SqC-Steel	9 228 727	9 250 655	9 250 656	Pair	01
4	HBN-14 5x4x3 SqZ-Timber	9 250 468	9 250 658	9 250 659	Pair	01

NOTE: SSS: Satin Stainless Steel SB: Satin Brass BL: Matt Black

Article codes written in black are available on request.

Mortise Flush Door Hinge



Features:

- SS 304 Die-cast Hinge
- Loading Capacity up to 300 kg per pair
- Tested acc. to EN 1935 (Class 14) for 200,000 cycles
- Tested for 120 min Fire Resistant according to EN 1634
- Patented Concealed ball bearing technology
- Teflon Fluoro polymer coated grease- free bearing
- Manufactured by Special die cast method
- High Quality PVD Coating Thickness: 16 Micron
- Supplied with SS 304 screws
- Bearing capable of countering both Axial as well as Radial load
- Recommended for Both Steel & Wooden doors

Technical details:

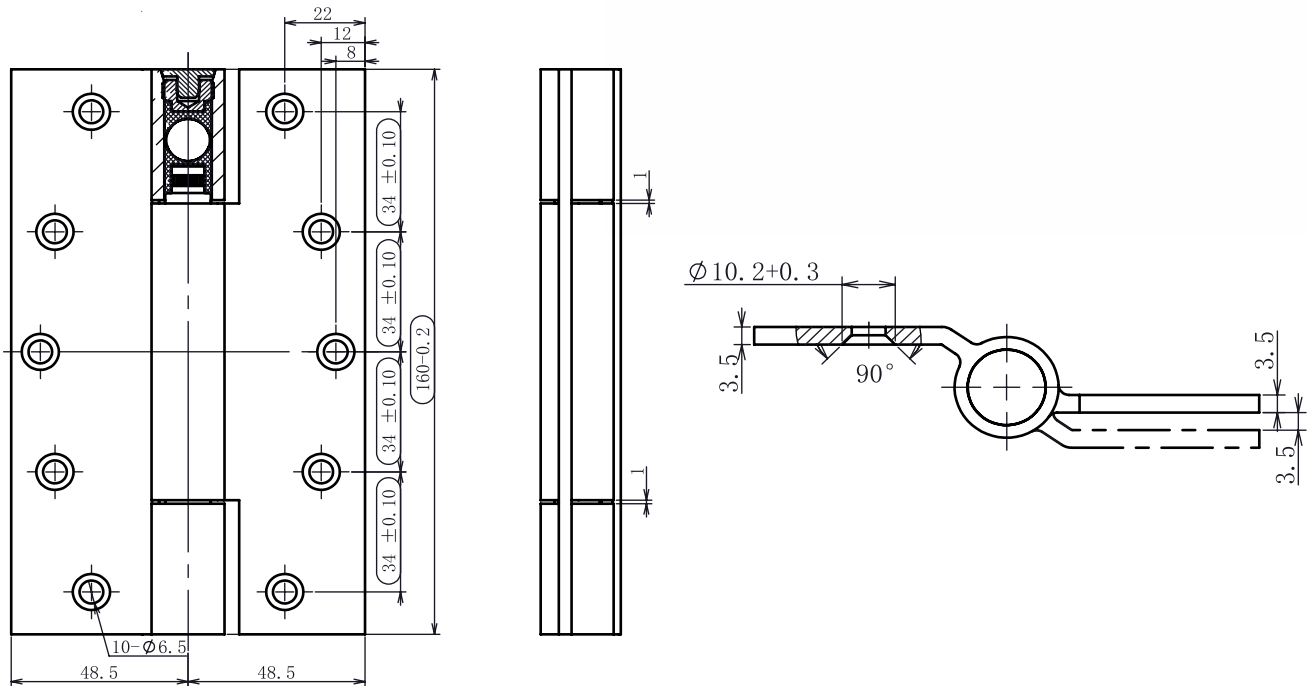
- Ø Barrel diameter: 20 mm
- Leaf thickness: 3.5 mm
- Screws Supplied: 5x40 mm
- Milling for doors: 3.5 mm
- Edge available: Round edge
- Hole Pattern: Zig Zag (Z shape)
- Available Size: 6.3x3.8x3.5
- Finish Available: Stainless Steel Satin
- On request finishes: Polished Stainless Steel, Polished Brass, Antique Brass & Black Matt

EN 1935 Classification grades:- 4 7 7 1 1 4 1 14

Approved & Certified Product:



Dimension Drawing



S.no.	Description	Unit	Article No.	PU
1	HBN- 20-4141/160	Pair	9 228 227	01
2	HBN-20 4141/160 : 6.3"x3.8"x3.5, SS 304, Heavy duty hinge, Patented grease free ball bearing technology, Loading capacity 300kg/pair, Square	Pair	9 250 944	01
3	HBN-20 Wide 158/160: 6.3x6.3x3.5, SS 304, Heavy duty hinge, Patented grease free ball bearing technology, Loading capacity 300kg/pair, EN1935 certified, Fire Rated; 200,000 cycles tested, SS finish	Pair	9 250 490	01

HIN – Ball Bearing Hinge



- Features:
- SS 304 Hinge with Stainless Steel Pin
 - Loading Capacity up to 120 kg
 - Tested acc. to EN 1935 (Class 13) for 200,000 cycles
 - Tested for 105 min Fire Resistant according to EN 1634
 - High Quality PVD Coating Thickness: 16 Micron
 - Supplied with SS Philips head screws
 - Recommended for Both Steel & Wooden doors
- Technical details:
- Ø Barrel diameter: 14 mm
 - Leaf thickness: 3 mm
 - Screws Size: 4.8x31 mm
 - Milling for doors: 3 mm
 - Edge available: Square and Round edge
 - Hole Pattern: C type & Z type
 - Leaf Material: SS 304
 - DIN Left/Right Usable
 - Available Sizes: 5x3x3 / 4x3x3
 - Finish Available: Stainless Steel Satin, Polished Stainless Steel, Black Polished Brass & Antique Brass



Satin Stainless Steel (SSS)



Polished Brass (PB)



Polished Stainless Steel (PSS)



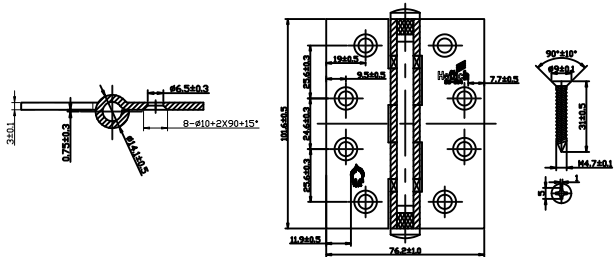
Antique Brass (AB)

Approved & Certified Product:

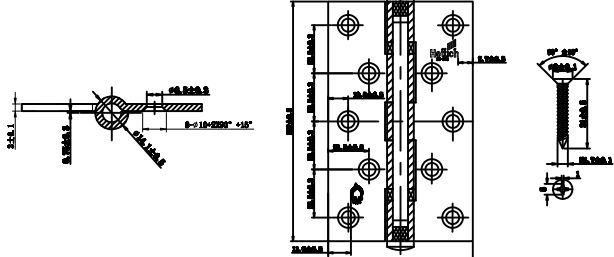


Dimension Drawing

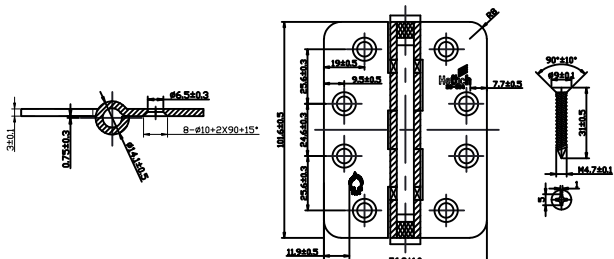
Square 4" x 3" x 3



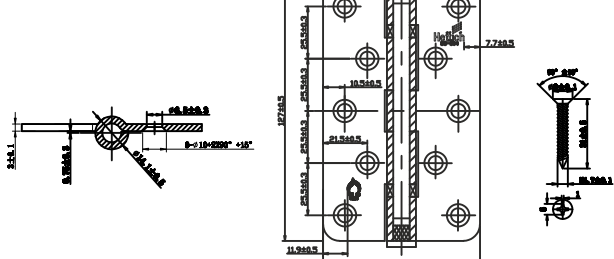
Square 5" x 3" x 3



Round 4" x 3" x 3



Round 5" x 3" x 3



S.no.	Description (Base Material: SS 304)	Black	Satin SS	Polished Brass	Polished SS	Antique Brass	Unit	PU
1	4" x 3" x 3 Square (Hole Pattern: C)	-	-	9 268 382	9 268 198	9 268 383	Pair	01
2	4" x 3" x 3 Round (Hole Pattern: C)	-	9 268 384	9 268 386	9 268 385	9 268 387	Pair	01
3	5" x 3" x 3 Square (Hole Pattern: Z)	-	-	9 268 389	9 268 388	9 268 390	Pair	01
4	5" x 3" x 3 Round (Hole Pattern: Z)	-	9 268 632	9 268 392	9 268 391	9 268 393	Pair	01
5	4"x3"x3 Square (Hole Pattern: C)	9 359 866	-	-	-	-	Pair	01
6	5" x 3" x 3 Square (Hole Pattern: C)	9 365 003	-	-	-	-	Pair	01

NOTE: SSS: Satin Stainless Steel SB: Satin Brass BL: Matt Black

Article codes written in black are available on request.

Non Ball Bearing Hinges

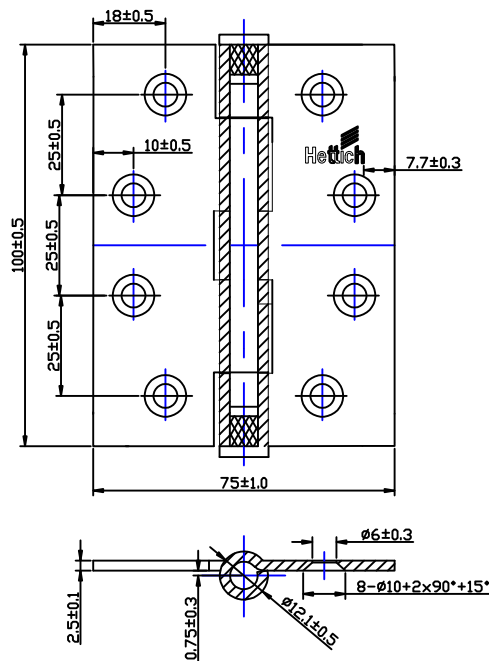


- Features:
- Load Capacity upto 60 Kg per 3 hinge
 - Material: SS 201 & SS 304 Hinge
 - Hinge without Ball Bearing
 - For use with internal doors only
 - For Wooden doors only
 - Hole Pattern C type (4x3x2.5) & Z type (5x3x2.5)

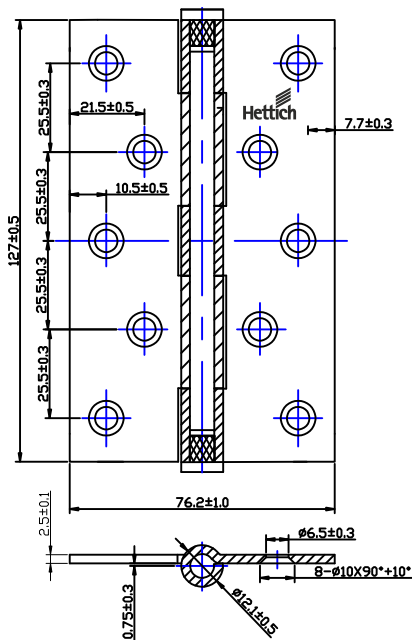
- Technical details:
- Ø Barrel diameter: 12.1 mm
 - Leaf thickness: 2.5 mm
 - Milling for doors: 2.5 mm
 - Edge : Square edge
 - Hole Pattern: Both C type & Z type
 - DIN Left/Right Usable
 - Available Sizes: 4x3x2.5/ 5x3x2.5
 - Finish Available: Stainless Steel Satin

Dimension Drawing

Square 4" x 3" x 2.5



Square 5" x 3" x 2.5



S.no.	Description (Base Material: Stainless Steel, Edge: Square, Finish: Satin SS)	Unit	Article No.	PU
1	SS 201 hinge Sq 4"x3"x2.5, Loading Capacity up to 60 Kg per 3 hinge, SSS Finish (Without Screws)	Pair	9 330 339	01
2	SS 201 hinge Sq 5"x3"x2.5, Loading Capacity up to 60 Kg per 3 hinge, SSS Finish (Without Screws)	Pair	9 330 340	01
3	SS 304 hinge Sq 4"x3"x2.5, Loading Capacity up to 60 Kg per 3 hinge, SSS Finish (Without Screws)	Pair	9 351 630	01
4	SS 304 hinge Sq 5"x3"x2.5, Loading Capacity up to 60 Kg per 3 hinge, SSS Finish (Without Screws)	Pair	9 351 655	01

*Need to order screws separately, CSK 4.8 X 31 mm Screws.

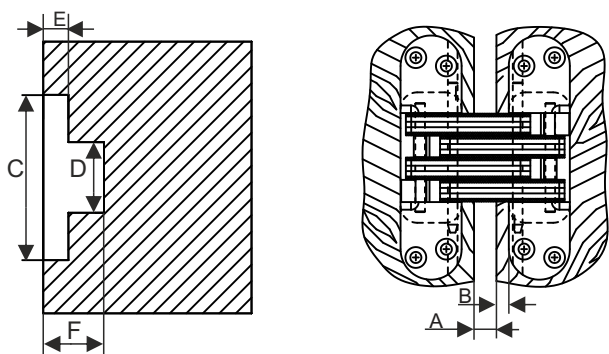
Concealed Hinges



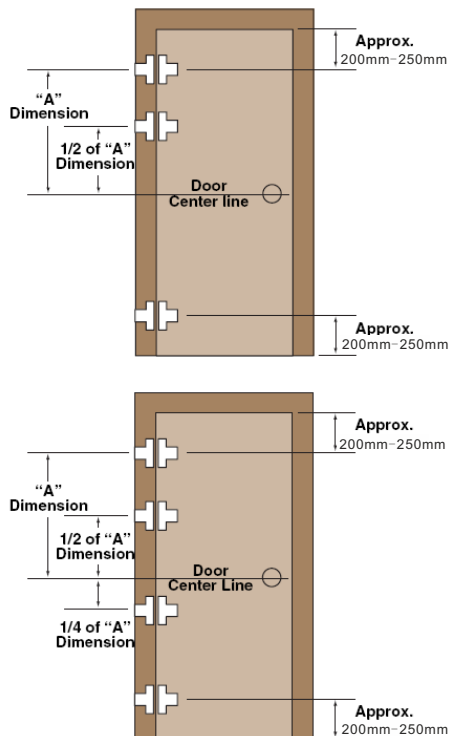
- Features:
- Loading Capacity: 30/35/45 kg per pair
 - Tested for 200,000 cycles
 - Zinc Alloy Die Die-cast Hinge with SS 304 connecting flanges
 - Supplied with SS 304 screws
 - Door Opening angle 180 degree
 - Recommended for Wooden doors

- Technical details:
- Suitable for door thickness: 29/ 35/ 45 mm respectively
 - Hinge Length: 95 / 117.5 / 117.5 mm respectively
 - Milling for doors: According to drilling pattern
 - Pointed wood screws Supplied: 5x30 mm
 - Finish Available: Stainless Steel Satin
 - On request finishes: Polished Brass, Antique Brass & Black Matt

Dimension drawing



Dimension & Installation Details

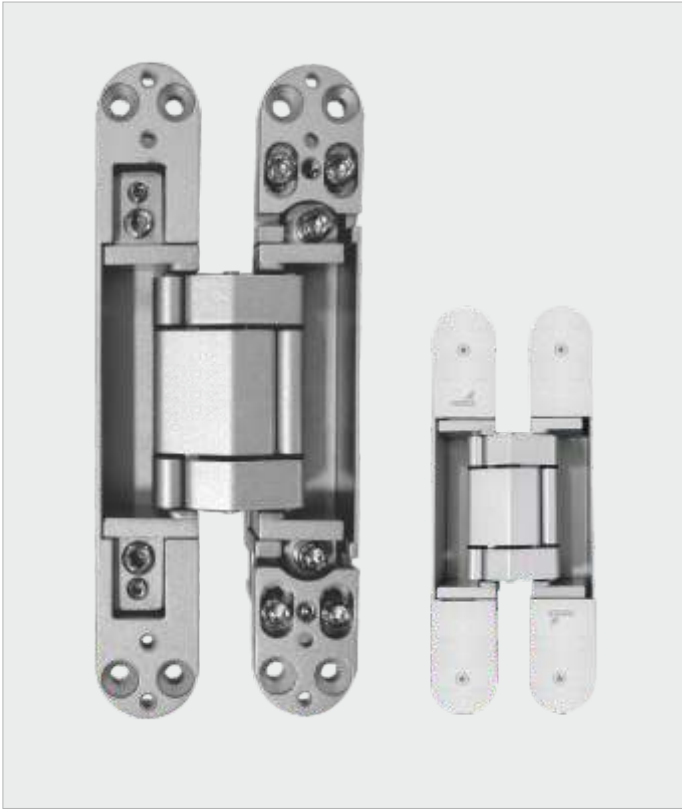


Dimension	HBC-1835	HBC-2245	HBC-2650
A	7	8	10
B	3	5	6
C	95	118	119
D	50	64	62
E	9	11	10
F	27	36	41
G	19	25	28

- Steps for calculation of hinge position:
- 1) The highest hinge from the top of the door to 200-250mm is appropriate.
 - 2) The lowest piece of hinge from the bottom of the door to 200-250mm is appropriate.
 - 3) Install the three hinges of the door, for the middle of the hinge, first measured the highest hinge to the door of the distance A, the third hinge is installed in the door and the highest hinge between the middle position.
 - 4) The fourth hinge is mounted in the middle of the door and between the highest hinges, and the fourth hinge is mounted at a distance of $1 / 4A$ from the bottom of the door.

S.no.	Description	Unit	Article No.	PU
1	HBC-25-1835/117 Min door thickness- 29 mm, 30 kg/pair	Pair	9 228 248	01
2	HBC-28-2245/117 Min door thickness- 35 mm, 35 kg/pair	Pair	9 228 249	01
3	HBC-35-2650/139 Min door thickness- 45 mm, 45 kg/pair	Pair	9 228 250	01

3-D Adjustable Concealed Hinges

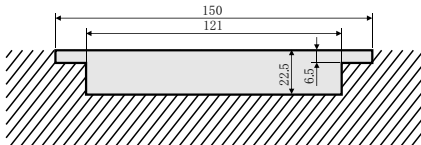
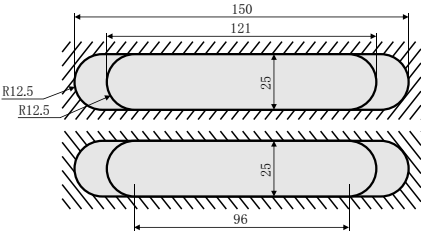
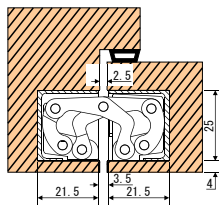
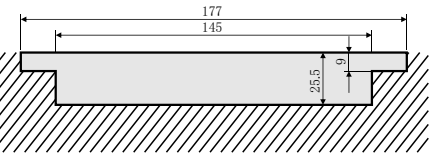
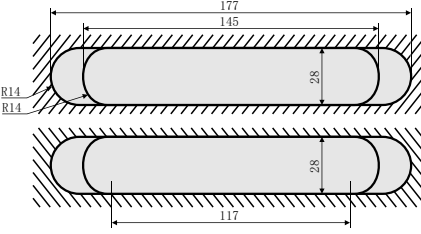
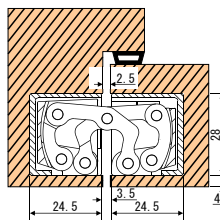
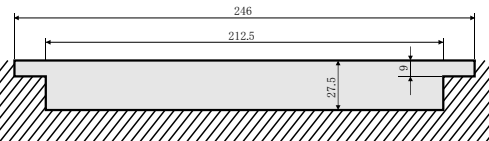
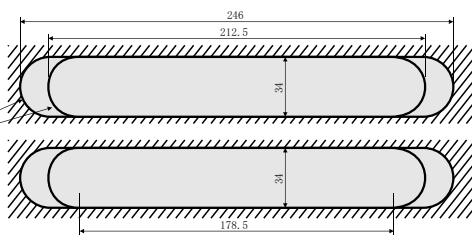
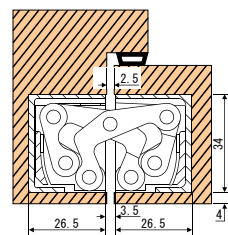


- Features:**
- ▶ Loading Capacity up to 40/ 80/ 120 kg per pair
 - ▶ Tested for 200,000 cycles
 - ▶ Zinc Alloy Die Die-cast Hinge with SS 304 connecting flanges
 - ▶ Supplied with matching color SS 304 cover plates
 - ▶ High Quality PVD Coating Thickness: 16 Micron
 - ▶ Hinge with 3 Dimension adjustment to create perfect alignment
 - ▶ Supplied with SS 304 screws
 - ▶ Opening angle 180 degree
 - ▶ Recommended for Both Steel Et Wooden doors
 - ▶ For Installation Guidelines: Please refer Page No 251 - 252

- Technical details:**
- ▶ Suitable for door thickness: 35/ 40/ 45 mm respectively
 - ▶ Hinge Length: 150 / 177 / 246 mm respectively
 - ▶ Milling for doors: According to drilling pattern
 - ▶ Opening angle 180 degree
 - ▶ 3-D Adjustment Range: +/- 3 mm Up and down, +/- 2 mm Left and right +/- 1 mm Front and back
 - ▶ Pointed wood screws Supplied: 5x30 mm
 - ▶ Finish Available: Silver Painted
 - ▶ On request finishes: Polished Stainless Steel, Satin Brass, Antique Brass Et Black Matt

Note: Follow the page no 316 - 318 for recommending Door Closer



HBC-25-1440/150Z-3D CUT OUT		  	
HBC-28-1640/177Z-3D CUT OUT		  	
HBC-34-1845/246Z-3D CUT OUT		  	

S.no.	Description	Bright Chrome	Matt Black	Antique Brass	Satin Brass	Silver	Unit	PU
1	HBC-25-1440/150Z-3D Min door thickness - 35 mm	9 250 530	9 251 126	9 250 504	-	9 228 474	Pair	01
2	HBC-28-1640/177Z-3D Min door thickness - 40 mm	9 250 531	9 251 127	9 250 505	9 250 145	9 228 475	Pair	01
3	HBC-34-1845/246Z-3D Min door thickness - 45 mm	9 228 756	9 251 128	9 250 506	9 250 191	9 228 476	Pair	01

Article codes written in black are available on request.

2D Concealed Hinge

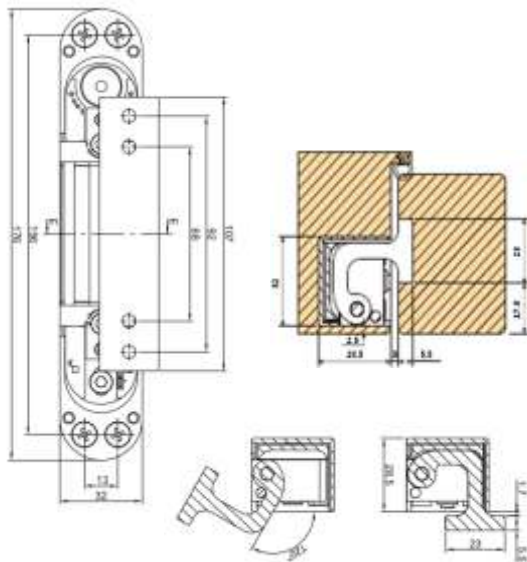


- ▶ Concealed installation
- ▶ Suitable for wood, steel & aluminum alloy doors
- ▶ Suitable with door closer installation along with weight calculation
- ▶ Option for use in Granite and Marble Frame Door
- ▶ Loading capacity up to 80/120 kg
- ▶ Suitable for door thickness: 40/ 45 mm
- ▶ Adjustments: vertical ± 3 mm, depth ± 1 mm
- ▶ Opening angle 120°
- ▶ Finishes: Silver, Black
- ▶ Tested for 200,000 cycle

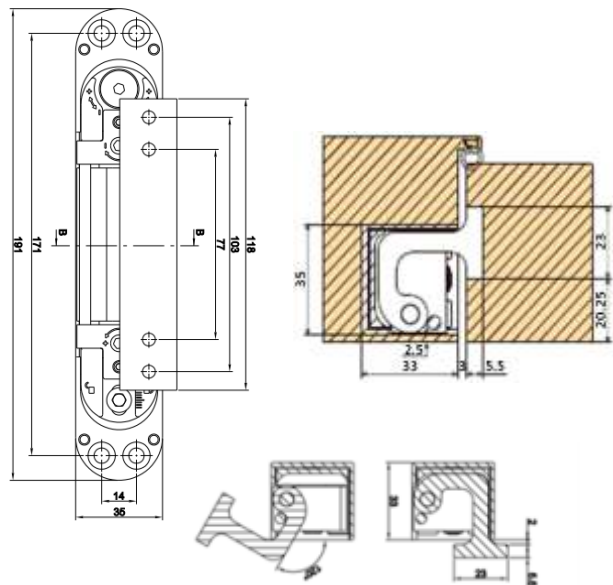


Dimension drawing

2D Concealed Hinge - 80 kg



2D Concealed Hinge - 120 kg



S.no.	Description	Unit	Article No.	PU
1	HBC-32 : 2D concealed hinge, min. Door thickness : 40 mm, loading capacity : 80 kg, finish silver	Set	9 250 982	01
2	HBC-35 : 2D concealed hinge, min. Door thickness : 45 mm, loading capacity : 120 kg, finish silver	Set	9 250 983	01
3	HBC-32 : 2D concealed hinge, min. Door thickness : 40 mm, loading capacity : 80 kg, finish black	Set	9 250 984	01
4	HBC-35 : 2D concealed hinge, min. Door thickness : 45 mm, loading capacity : 120 kg, finish black	Set	9 250 985	01

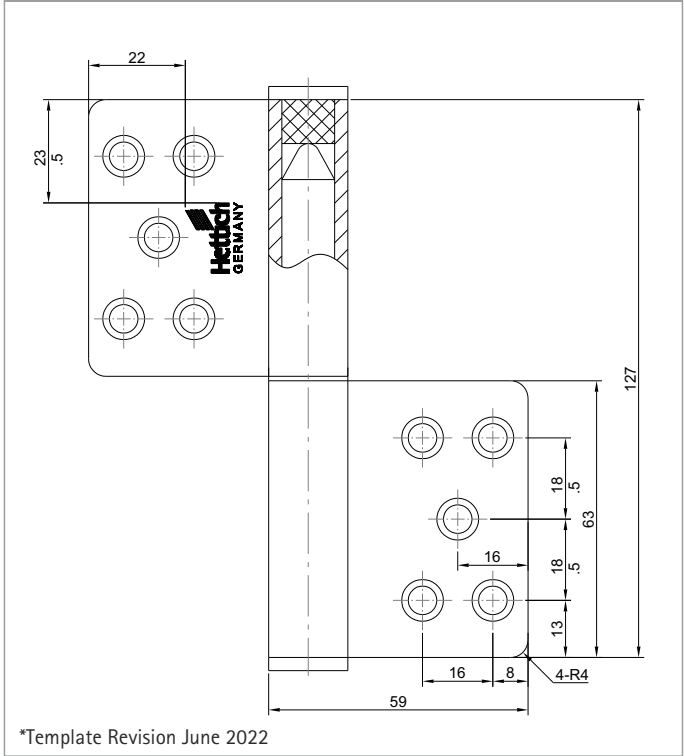
Flag Hinge



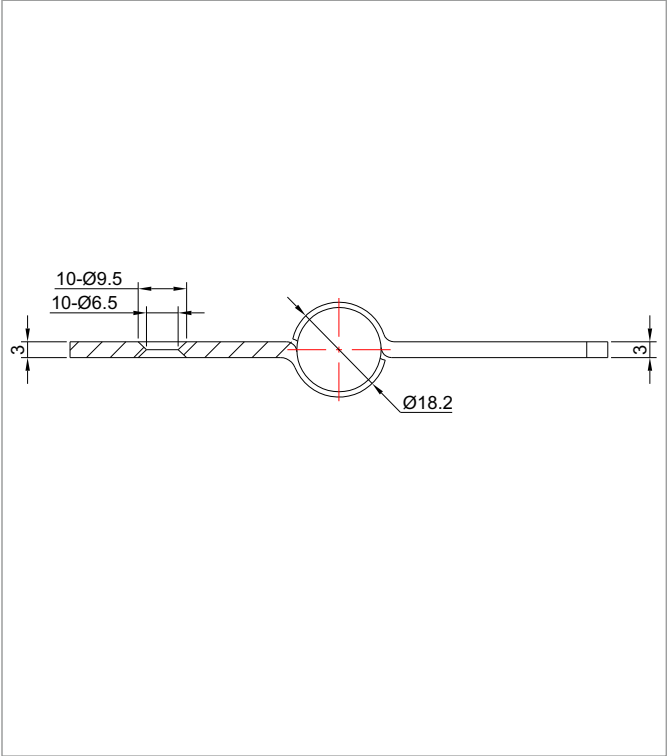
- Features:
- Loading Capacity up to 80 kg per 3 hinges
 - Tested for 200,000 cycles
 - SS 304 Hinge with SS 304 Pin
 - Long Lasting Non Sticky Grease
 - Detachable leaves for easy assembly of door and door frame
 - Supplied with SS 304 screws
 - Recommended for Steel doors

- Technical details:
- Ø Barrel diameter: 18 mm
 - Leaf thickness: 3 mm
 - Flat machine screws supplied: 10x M5 x 12 mm
 - Pointed wood screws supplied: 5x30 mm
 - Milling for doors: 3 mm
 - Edge available: Square edge
 - Hole Pattern: Zig Zag (Z shape) Type
 - Leaf Material: SS 304
 - DIN Left/Right same version
 - Available Sizes: 5x4x3
 - Finish Available: Stainless Steel Satin

Dimension drawing 5" x 4" x 3



Top view



S.no.	Description	Unit	Article No.	PU
1	HBN-18-127/102-FLG	Pair	9 228 243	01

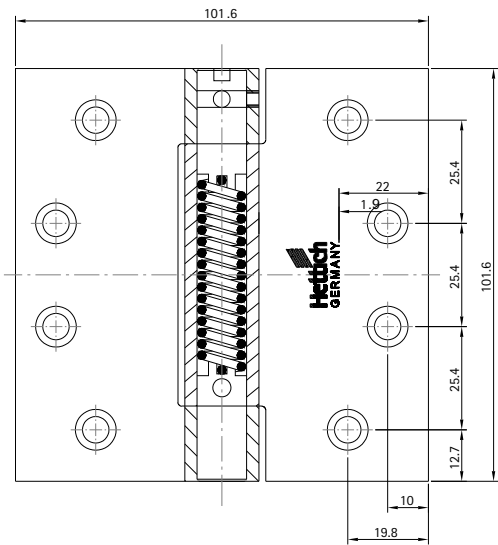
Spring Hinge



- Features:**
- Loading Capacity up to 40 kg per pair
 - Tested for 200,000 cycles
 - SS 304 Hinge with Steel Spring inside
 - Spring Hinges enables auto closing of the doors
 - Closing power adjustable through spring
 - Supplied with SS 304 screws
 - Recommended for Wooden doors

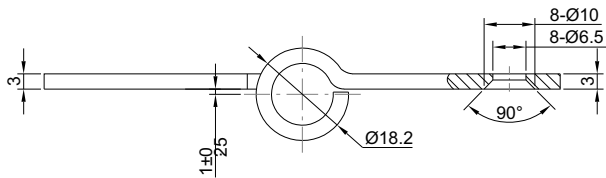
- Technical details:**
- Ø Barrel diameter: 18 mm
 - Leaf thickness: 3 mm
 - Pointed wood screws Supplied: 5x30 mm
 - Milling for doors: 3 mm
 - Edge available: Square edge
 - Hole Pattern: C Type
 - Leaf Material: SS 304
 - DIN Left/Right same version
 - Available Sizes: 4x4x3
 - Finish Available: Stainless Steel Satin

Dimension drawing 4" x 4" x 3



*Template Revision June 2022

Top view



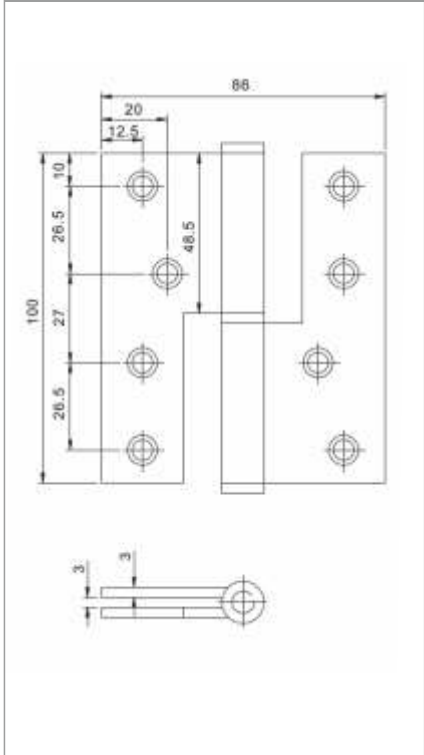
S.no.	Description	Unit	Article No.	PU
1	HBN-18-102/102-SPR	Pair	9 228 242	01

Lift off Hinge

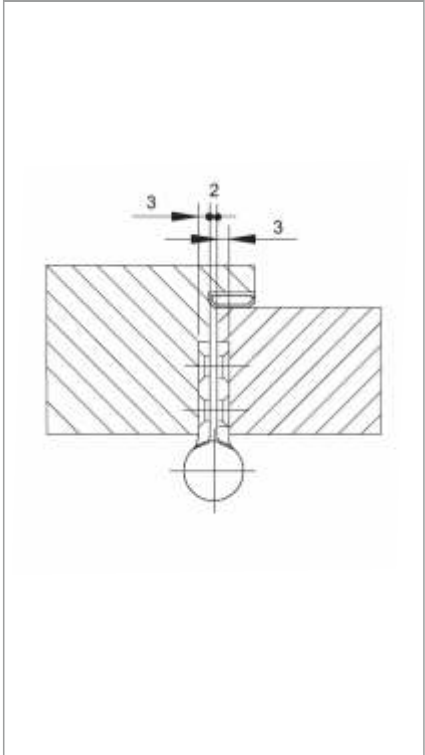


- Features:**
- Loading Capacity up to 65 kg per 3 hinges
 - Tested for 200,000 cycles
 - SS 304 Hinge with SS 304 Pin
 - Long Lasting Non Sticky Grease
 - Detachable leaves for easy assembly of door and door frame
 - High Quality PVD Coating Thickness: 16 Micron
 - Supplied with SS 304 screws
 - Recommended for Wooden doors
- Technical details:**
- Ø Barrel diameter: 14 mm
 - Leaf thickness: 3 mm
 - Pointed wood screws Supplied: 5x30 mm
 - Milling for doors: 3 mm
 - Edge available: Square edge
 - Hole Pattern: Zig Zag (Z shape) Type
 - Leaf Material: SS 304
 - DIN Left/Right different version
 - Available Sizes: 4x3.5x3
 - Finish Available: Stainless Steel Satin Et Antique Brass
 - On request finishes: Polished Stainless Steel, Polished Brass Et Matt Black

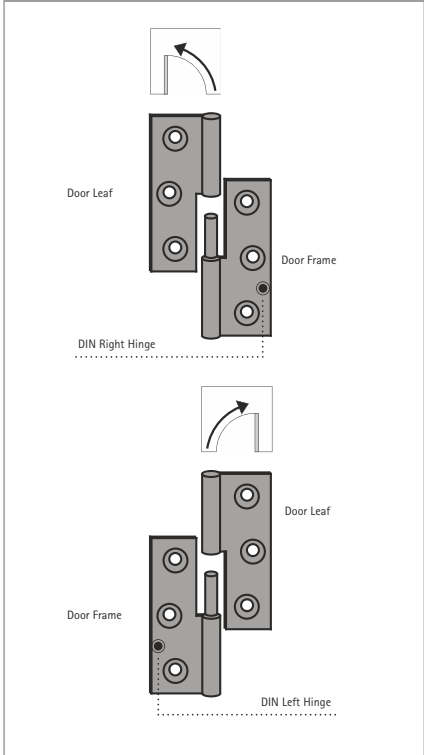
Dimension Drawing 4" x 3.5" x 3



Top View



Split View



S.no.	Description	Unit	Article No.	PU
1	HBN- 13-4353C/102 DIN Left SS	Pair	9 228 245*	01

*Item available till stock last

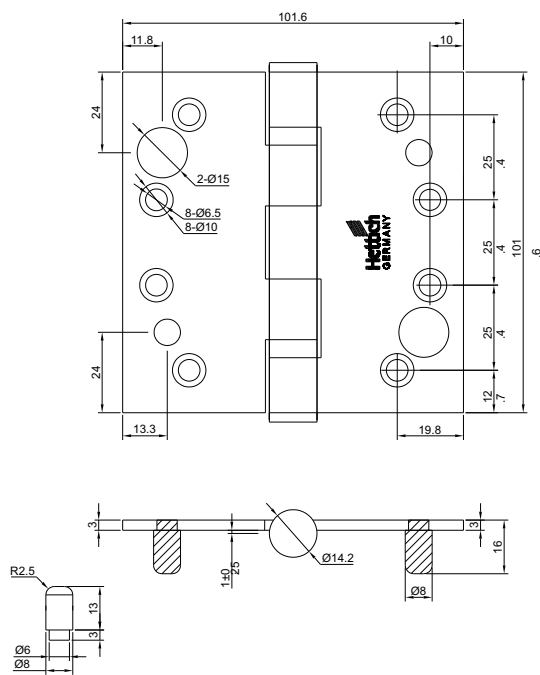
Security Hinge



- Features:**
- Loading Capacity up to 40 kg per pair
 - Tested for 200,000 cycles
 - SS 304 Hinge with SS 304 Pin
 - Burglary proof hinges due to steel studs welded to hinge leaf
 - Supplied with SS 304 screws
 - Recommended for Both Steel & Wooden doors

- Technical details:**
- Ø Barrel diameter: 14 mm
 - Leaf thickness: 3 mm
 - Pointed wood screws Supplied: 5x30 mm
 - Milling for doors: 3 mm
 - Edge available: Square edge
 - Hole Pattern: C Type
 - Leaf Material: SS 304
 - DIN Left/Right same version
 - Available Sizes: 4x4x3
 - Finish Available: Stainless Steel Satin

Dimension Drawing 4" x 4" x 3



*Template Revision June 2022

S.no.	Description	Unit	Article No.	PU
1	HBN- 13-Square C	Pair	9 228 246	01

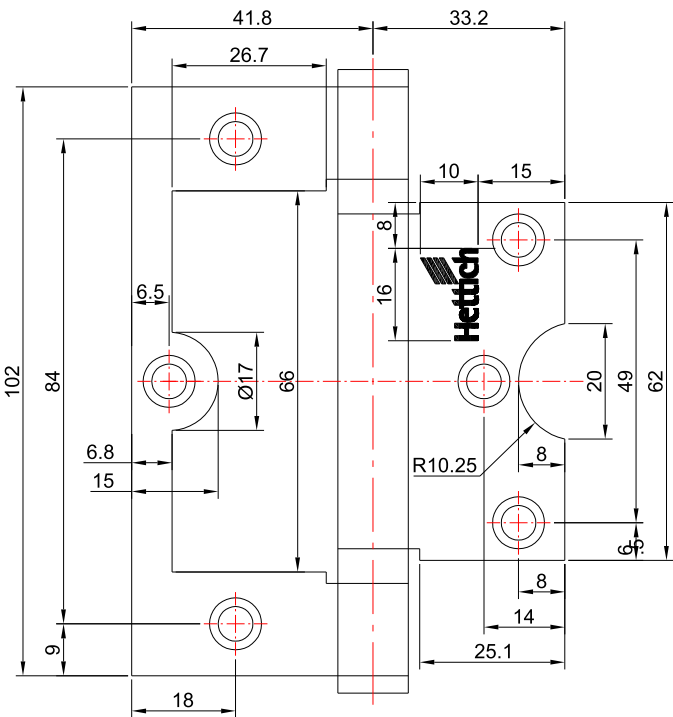
Flush Hinge



- Features:**
- Loading Capacity up to 40 kg per pair
 - Tested for 200,000 cycles
 - SS 304 Hinge with SS 304 Pin
 - Milling required only on door: Saves Half time of Installation
 - Smaller leaf resides in the major leaf when hinge in closed position leaving only hairline gap can be maintained with wooden doors
 - Can be mounted directly on Steel profile
 - Minimum Gap when used with Steel & Aluminum Profile doors (2.5 mm)
 - Supplied with SS 304 screws
 - Recommended for Both Steel & Wooden doors

- Technical details:**
- Ø Barrel diameter: 12.2 mm
 - Leaf thickness: 2.5 mm
 - Pointed wood screws Supplied: 5x30 mm
 - Milling for doors: 2.5 mm
 - Edge available: Square edge
 - Hole Pattern: C Type
 - Leaf Material: SS 304
 - DIN Left/Right same version
 - Available Sizes: 4x3x2.5
 - Finish Available: Stainless Steel Satin

Dimension Drawing



S.no.	Description	Unit	Article No.	PU
1	HBN- 13-4325ZM/102: Flush Hinge, 4"x3"x2.5, loading capacity 40kg/pair, finish SS	Set	9 228 247	01
2	HBN- 13-4325ZM/102: Flush Hinge, 4"x3"x2.5, loading capacity 40kg/pair, finish BL	Set	9 251 397	01

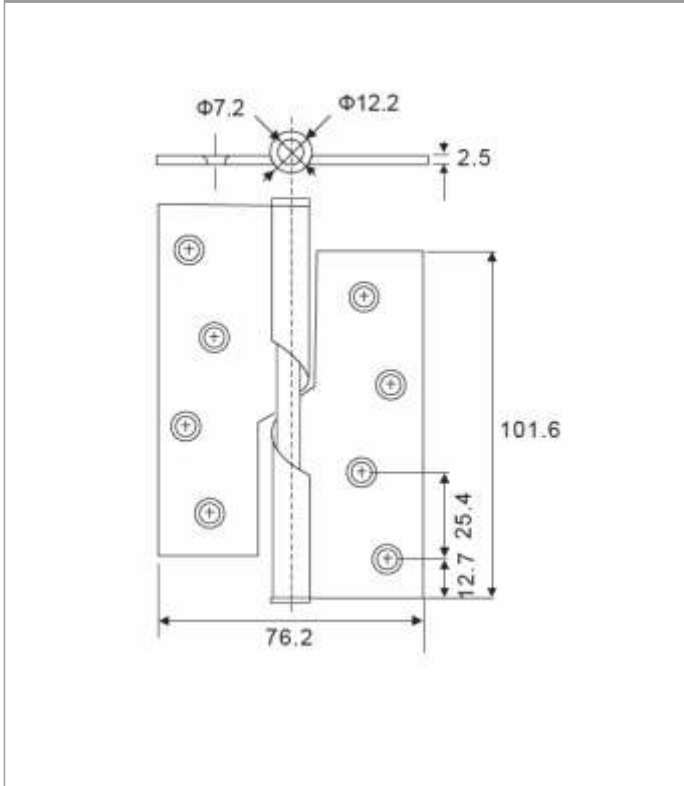
Rising Hinge



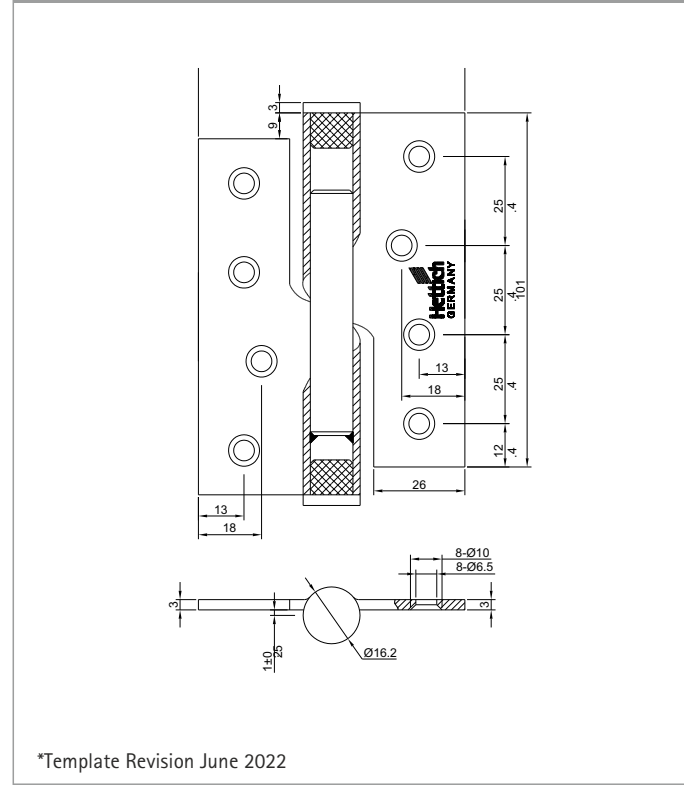
- Features:**
- Loading Capacity up to 45 kg per 3 hinges
 - Tested for 200,000 cycles
 - SS 304 Hinge with SS 304 Pin
 - Long Lasting Non Sticky Grease
 - Non Detachable leaves bend at a certain angle for rising when opened
 - High Quality PVD Coating Thickness: 16 Micron
 - Supplied with SS 304 screws
 - Recommended for Wooden doors

- Technical details:**
- Ø Barrel diameter: 16 mm
 - Leaf thickness: 3 mm
 - Pointed wood screws Supplied: 5x30 mm
 - Milling for doors: 3 mm
 - Edge available: Square edge
 - Door Rise: 6.5 mm for 90° & 12.4 mm for 180° degree opening.
 - Hole Pattern: Zig Zag (Z shape) Type
 - Leaf Material: SS 304
 - DIN Left/Right different version
 - Available Sizes: 4"x3"x3
 - Finish Available: Stainless Steel Satin
 - On request finishes: Polished Stainless Steel, Polished Brass, Antique Brass & Matt Black

Dimension Drawing 4" x 3" x 3 (for DIN-Left)



Dimension Drawing 4" x 3" x 3 (for DIN-Right)



*Template Revision June 2022

S.no.	Description	Unit	Article No.	PU
1	HBN- 13-102/76-RSN DIN Left	Pair	9 228 244	01
2	HBN- 13-102/76-RSN DIN Right	Pair	9 228 720	01

Article codes written in black are available on request.

Approx weight of Door types

Door Type	Mass kg	Duty
Cupboard, wardrobe, cabinet,louvered doors and shutters	3.0–10.0	Light
Light internal large wardrobe and large louvered doors	10.0–17.5	Light
Medium internal doors	17.5–25.0	Medium
Heavy internal doors	25.0–37.5	Medium
Heavy internal doors	40.0–60.0	Heavy
Oversize or special external doors	55.0–110.0	Heavy

The definition of low, medium and high frequency doors

Building/Door Type	Daily Usage	Frequency
Department store entrance	5000	High
Hospital corridor doors	5000	High
Office Building Entrance	4000	High
School Entrance	1500	High
School Toilet	1500	High
Apartment Entrance (Main Door)	500	High
Office Stairwell	500	High
Office Building Toilet	500	High
School Corridor	100	Medium
Hospital Consulation Room	100	Medium
Office Building Corridor	100	Medium
Storage Room	50	Medium
Residential Entrance	30	Low
Interior Residential	20	Low

Door Weight Calculation

Factors to consider when specifying hinges

- ▶ Is it a fire, smoke or emergency escape door?
- ▶ How heavy is the door and what are the door dimensions (height, width and thickness)?
- ▶ What is the door's construction and are there any unusual features that could affect the hinges?
- ▶ Where is the door situated e.g. internal or external; is it near the coast or in a swimming pool?
- ▶ What level of use/abuse will the door be subject to e.g. office, hospital or school corridor?
- ▶ What other items of hardware are to be fitted, that may affect the hinge performance, typically door closers or door stops?

Forces operating on a door

Two main forces are influencing the performance of the hinge (vertical and the horizontal load).

The vertical load is a result of the gross door weight.

The horizontal load is created by:

- ▶ The door weight
- ▶ The door height to width ratio
- ▶ Where the hinges are positioned.

The wider the door is in relation to its height, the greater the side load that the hinges and their fixings have to support.

Hinges for use with doors of excess width

Wider doors increase the stresses exerted on the hinge. This must be allowed for by a reduction in the maximum mass of the door leaf supported by each class of hinge. The factors by which the door mass has to be adjusted for wider widths are calculated by dividing the door height by its width. For a factor of 2 or greater, no allowance has to be made. The percentage leaf mass increases are shown in the Side Loading calculations in the table:

Side Loading Calculations			
Door Size		Factor	Normal increase of mass of door leaf %
Door Height (mm)	Door Width (mm)		
2000	1000	2.0	0
2000	1050	1.9	10
2000	1100	1.82	18
2000	1150	1.74	26
2000	1200	1.66	33
2000	1250	1.6	40

Example

Door Height = 2100mm

Door Width = 1100mm

Door Weight = 65kg

Factor (Door Height/Door Width) 2100/1100 = 1.9 this implies increase of door leaf mass by 10%

Adjusted Door Weight

Different factors like a door closer or extra heavy usage are influencing the door weight . Some details for the calculation of the adjusted door weight can be found here:

Adjusted Door Weight Calculation		
Actual Door Weight	Doors of excess width, please refer to Side Loading Calculation table	= Adjusted Door Weight
	Door closer +20%	
	Door closer (Backcheck) +75%	
	Extra Heavy Use +10%	
	Light Use - 10%	

Example

height = 2100mm

width = 1100mm

weight = 65kg

+ increase of door leaf mass of 10%

+ installed door closer with back-check = increase of door leaf mass of +75%

= 65kg + 10% +75% = 125 kg (adjusted door leaf weight)

Horizon HBN – 14 Hinge Application Guidelines

Simply selecting the hinge by door weight alone is very common and not 100% correct. There are many factors influencing determination of the correct number or model of hinges. Most important influencing factors are taken into consideration for the right number of hinges

1. The right number of hinges and maximum door weight

The correct number of hinges is influenced by multiple factors such as

- the door type
- the door weight
- the door height/width ratio (excess width side load)
- the frequency of use
- other door hardware used on the door

In order to make the choice for the right number of hinges easier, the following overview summarizes the maximum door weight with reference to the door width at a height between 2.100 to 2.300 mm.

In many cases two hinges per door will be sufficient to guarantee a smooth performance of the door system. In some cases three hinges per door are used to minimize warping in extremes of temperature or humidity. Hettich also recommends three hinges per door if the actual door weight is very close to the indicated maximum door weight for 2 hinges per door.

Width (in mm)	Max. door weight w/o door closer		Max. door weight w/ door closer		Max. door weight w/ door closer (incorporating back -check and/ or hold open device)	
	2 hinges per door	3 hinges per door	2 hinges per door	3 hinges per door	2 hinges per door	3 hinges per door
Max. 750	144 kg	187 kg	120 kg	142 kg	82 kg	97 kg
Max. 850	144 kg	187 kg	120 kg	142 kg	82 kg	97 kg
Max. 950	144 kg	187 kg	120 kg	142 kg	82 kg	97 kg
Max. 1100	131 kg	170 kg	109 kg	129 kg	75 kg	88 kg
Max. 1250	108 kg	141 kg	90 kg	107 kg	62 kg	73 kg
Max. 1400	96 kg	125 kg	80 kg	95 kg	55 kg	65 kg
Max. 1600	85 kg	111 kg	71 kg	84 kg	49 kg	58 kg

Please note: Above maximum door weight indications are based on a perfectly installed and adjusted door system as per EN 1935 test parameters and requirements. Actual values may vary in individual cases. The door system and number of hinges (incl. maximum door weight) may also be influenced by additional hardware installed with the door, the general usage, the correct installation and maintenance. In general, Hettich recommends a trial testing of the door to guarantee an adequate performance.

2 The installation position

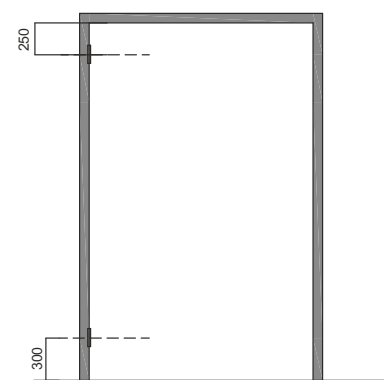


Fig. 1
2 hinges per door

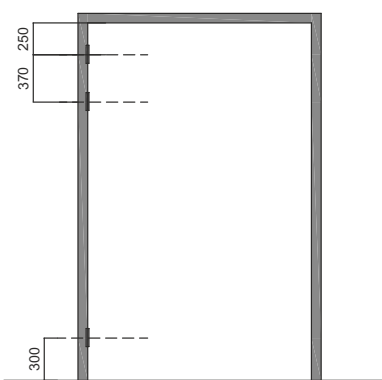


Fig. 2
3 hinges per door

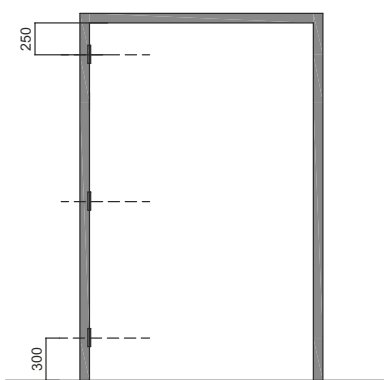


Fig. 3
3 hinges per door

Fig. 1	2 Hinges per door: The new Hettich practice where only two hinges are installed on the door. Hettich recommends to space the hinges as shown above.
Fig. 2	3 Hinges per door: Where overhead door closers are used, additional lateral forces are applied to the top hinge. Whilst this is taken into consideration within the design calculation, to reduce the lateral force on the top hinge, it is recommended that the hinges are spaced as shown above.
Fig. 3	3 Hinges per door: The standard practice for providing maximum resistance to 'warping' of doors, hinges are spaced as shown above.

3D Adjustment Hinges Installation: Precautions

Things to remember while Installing 3D Concealed Hinges

- Alignment of the door should be perfectly at 90 degree from floor
- The adjusted door weight to be calculated according to door weight calculation sheet.
- Door Dimensions: Door Width: Max 1000 mm
Door Height: Max 2400 mm
Door Thickness: Max 60 mm
- 3 Nos of hinges are more than enough for doors of adjusted door weight* up to 125 kg

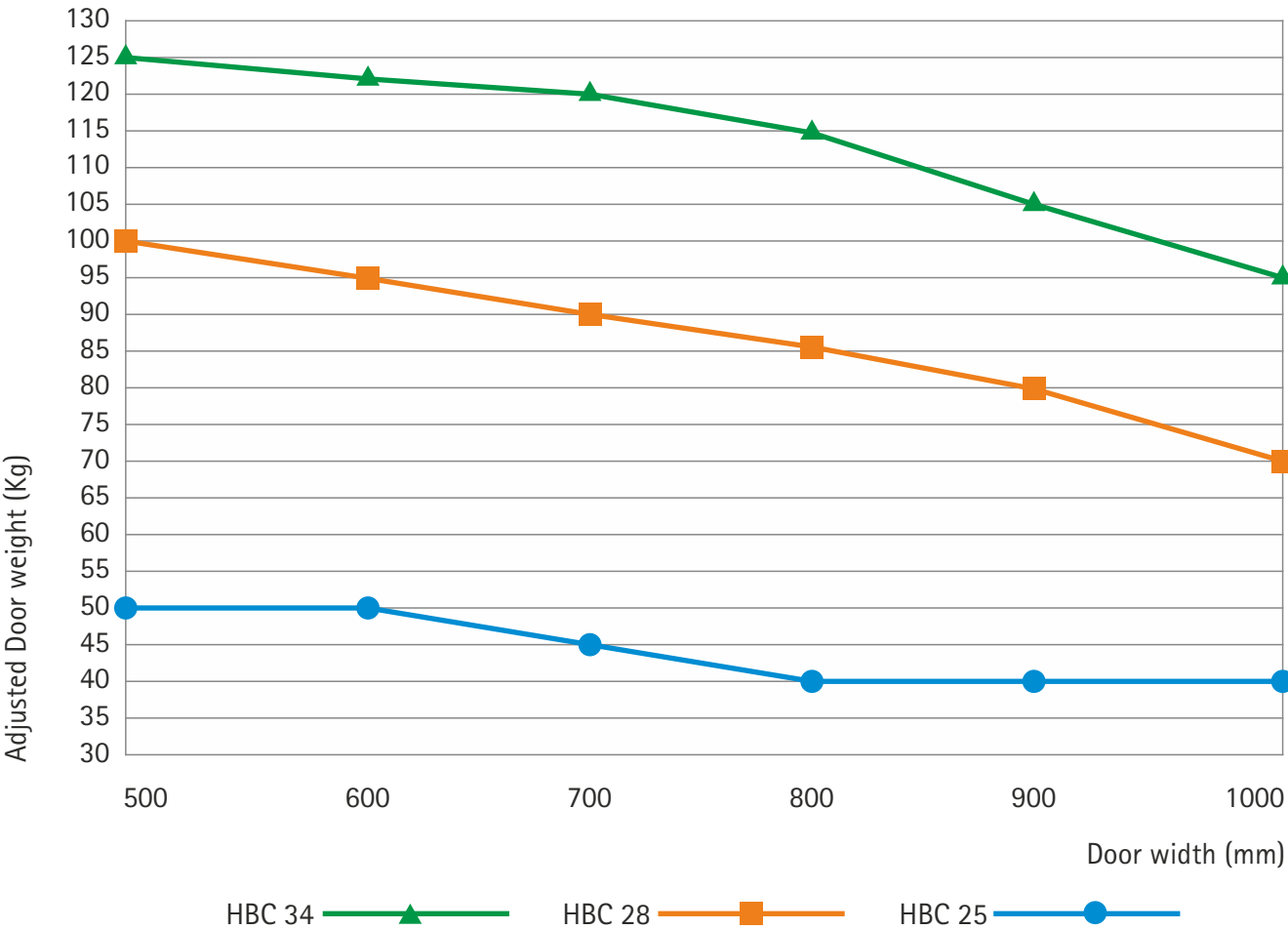
Note:- No more than 3 hinges to be suggested per door

*Please calculate adjusted door weight explained on page no. 248

Note: Not to be recommended along with door closer

Weight to Width Ratio Graph

Below graph shows Adjusted Door Weight to Door Width ratio for door without door closer with max 3 Nos of hinges



Hinge Position: Diagram

Below are two option for hinges installation:
Installation of the top & bottom hinges first followed by the third hinge according to drawing.
Note: The two hinges at the top carries the major portion of door weight while the bottom hinge completes the door axis

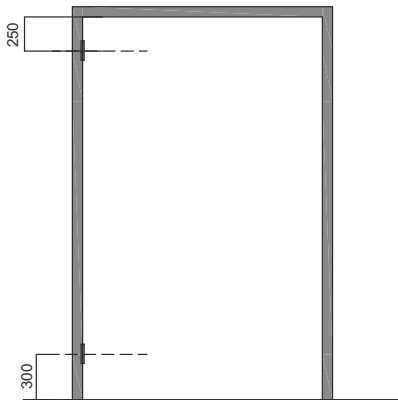


Fig. 1
2 hinges per door

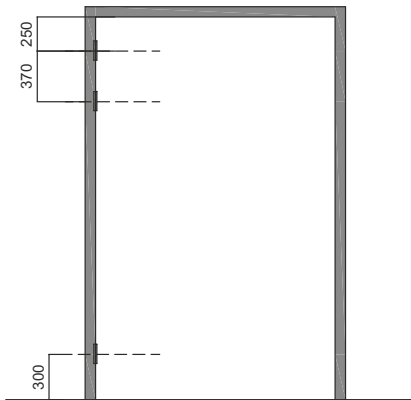


Fig. 2
3 hinges per door

Door Milling Drawings

Please make sure the door cutouts to be made are as per door milling diagrams

Note: Manual cutting may sometimes lead to misalignment and misalignments may hamper the performance of the hinge

HBC-25-1440/150Z-3D CUT OUT		
HBC-28-1640/177Z-3D CUT OUT		
HBC-34-1845/246Z-3D CUT OUT		



Looks elegant; Works effortlessly

Hettich glass fittings are built to last in the most extreme situations and come with unconditional guarantee further assuring the customers of its quality. Hettich Glass Hardware not only provides practical solutions but also makes glass doors look more elegant and work effortlessly.



The single component in different executions and finishes offer you system technology for the glass door also in high-end quality: locks, hinges and levers made of aluminium, zinc-diecasting or stainless steel for the use on glass doors based on DIN 18251 and EN 1906. With their form, construction and surface they comply with the holistic solutions of door hardware. The complete programme of glass door handles has been well thought through. It is completed by hinges, handle sets & lock combinations as well as door closers and floor springs.

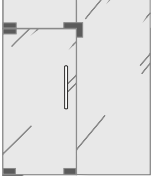
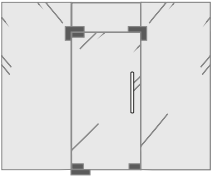
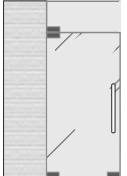
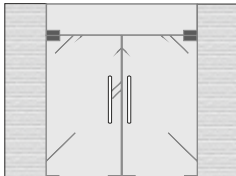
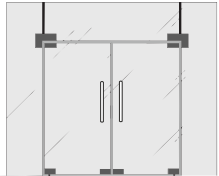
Patch Fittings

Page No: 250 – 252

 Bottom Patch	 Top Patch	 Over Panel Patch	 Over Panel Side Patch	 Over Panel Patch with Fixing Plate
 Top Pivot	 Corner Patch Lock	 Centre Patch Lock	 Counter Patch Lock	

Patch Fitting Sets as per door designs

Page No: 253 – 254

 Single door with Top Pivot	 Single Door with Over Panel & Side light	 Single Door with Over Panel & Side Panel (Each side)
 Single Door with Over Panel	 Double Door with Over Panel on top	 Double Door with Over Panel & Side Panel (Each side)

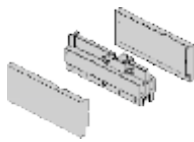
Patch Connectors

Page No: 255

 Wall to Glass One Panel	 Wall to Glass Two Panel	 Glass to Glass Two Panel	 Corner Connector for Over Panel
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Special Solutions

Page No: 256 – 257

 Glass Clamping Device	 Hydraulic Patch	 Top Patch for Hydraulic Patch	 Glass Sliding for Partition
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Pull Handles

Page No: 258 – 260

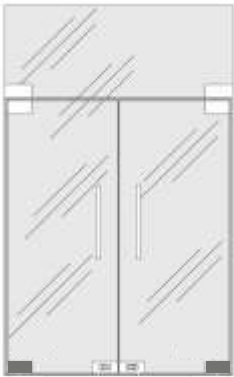
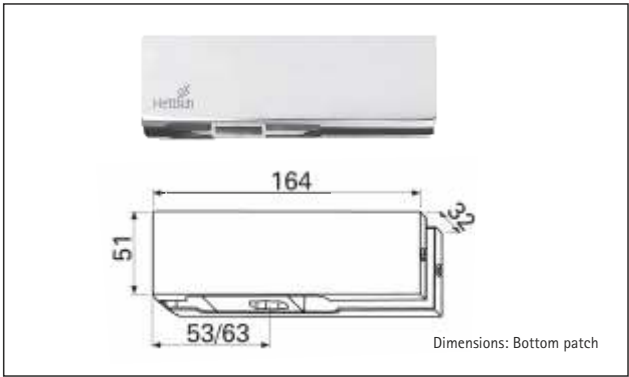


Studio Glass Fittings

Page No: 261 – 263



Bottom patch



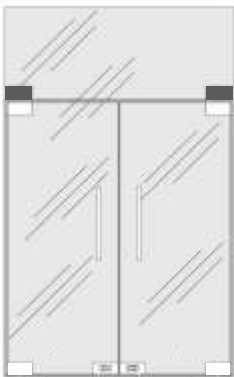
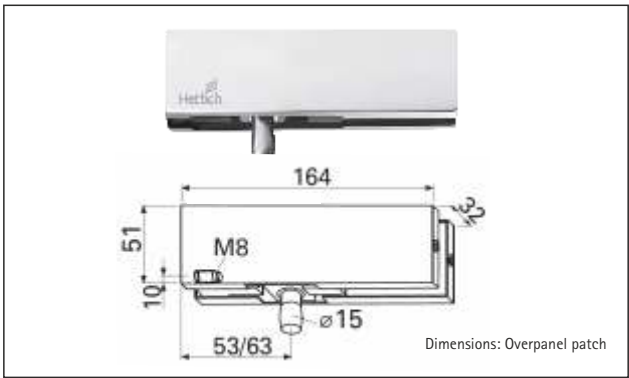
S.no.	Description	Unit	Article No.	PU
1	HGF 100 : Bottom Patch	Set	9 228 265	01
2	HGF 100 : Bottom Patch, BL	Set	9 251 404	01

Top patch



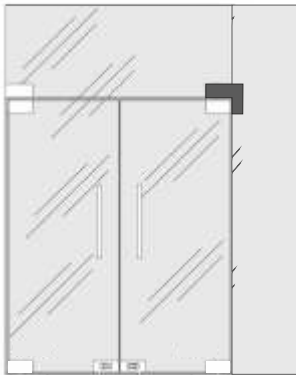
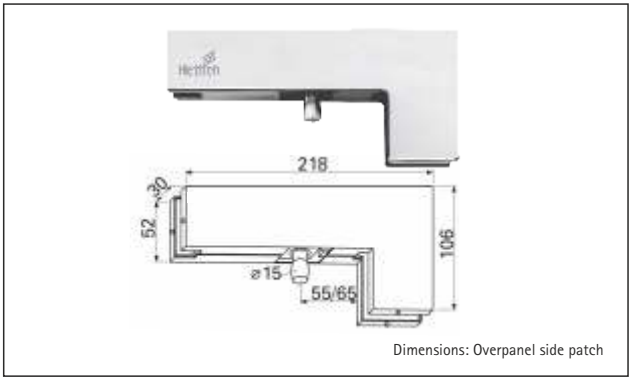
S.no.	Description	Unit	Article No.	PU
1	HGF 200 : Top Patch	Set	9 228 266	01
2	HGF 200 : Top Patch,BL	Set	9 251 403	01

Overpanel patch



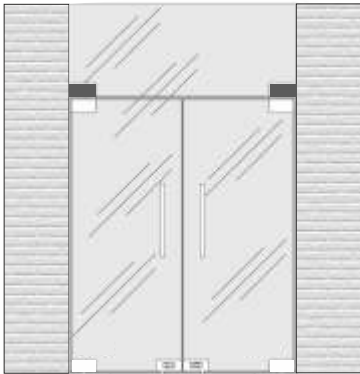
S.no.	Description	Unit	Article No.	PU
1	HGF 300: Overpanel Patch	Set	9 228 267	01

Overpanel Side Patch



S.no.	Description	Unit	Article No.	PU
1	HGF 400 : Overpanel side Patch	Set	9 228 268	01
2	HGF 400 : Overpanel side Patch,BL	Set	9 251 409	01

Overpanel patch with fixing plate

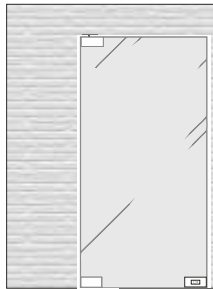


S.no.	Description	Unit	Article No.	PU
1	HGF 930 : Overpanel Patch with Fixing Plate	Set	9 228 275	01

Top pivot for Top patch



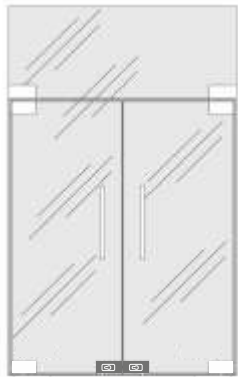
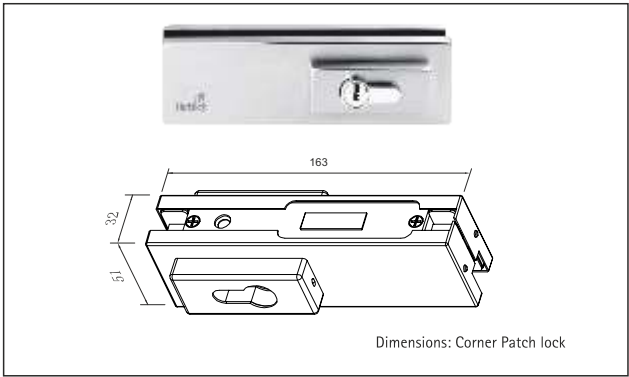
► Top pivot for Top patch



S.no.	Description	Unit	Article No.	PU
1	HGF 800: Fixed top pivot for top patch	Set	9 228 458	01
2	HGF 800: Fixed top pivot, BL	Set	9 251 408	01

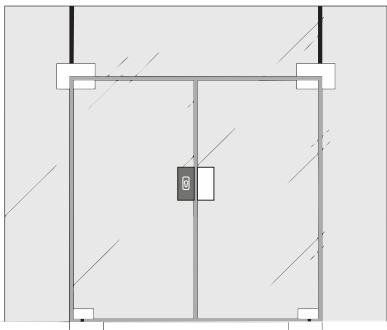
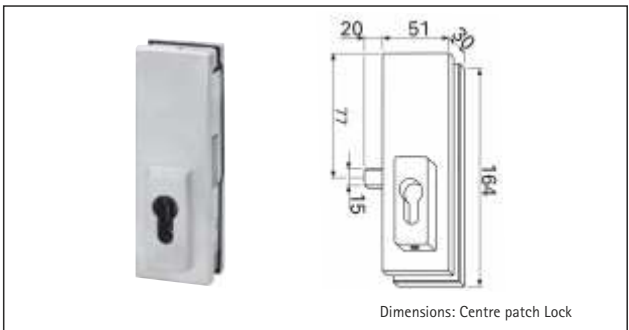
Article codes written in black are available on request.

Corner Patch lock



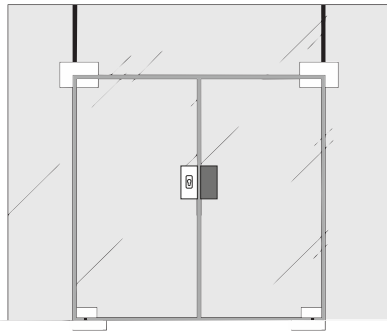
S.no.	Description	Unit	Article No.	PU
1	HGF 500 : Corner Patch lock	Set	9 228 269	01
2	HSCL 60 : Both side key 60 mm (Please order Separately)	Set	9 228 171	01
3	HGF 500 : Corner Patch lock, BL	Set	9 251 405	01

Centre Patch Lock



S.no.	Description	Unit	Article No.	PU
1	HGF 600 : Centre patch Lock	Set	9 228 270	01
2	HSCL 60 : Both side key 60 mm (Please order Separately)	Set	9 228 171	01
3	HGF 600 : Centre patch Lock, BL	Set	9 251 406	01

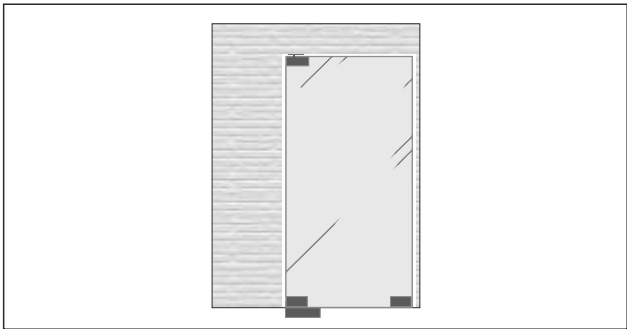
Counter Lock for Centre Patch Lock



S.no.	Description	Unit	Article No.	PU
1	HGF 700 : Counter Lock for Centre Patch Lock	Set	9 228 271	01
2	HGF 700 : Counter Lock, BL	Set	9 251 407	01

Article codes written in black are available on request.

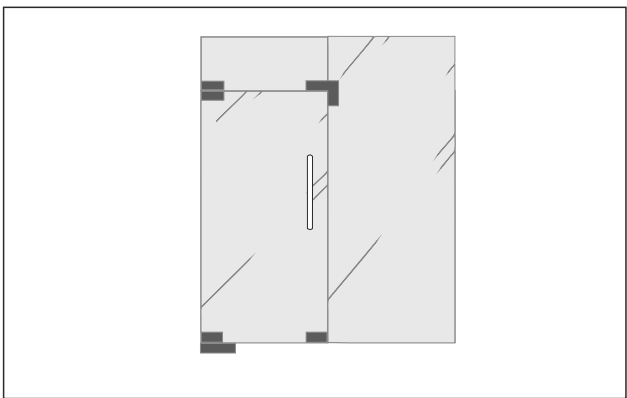
Single door with Top Pivot for Top Patch Set



- 1 Top pivot for Top Patch
- 1 Top Patch
- 1 Bottom Patch
- 1 Patch Lock

Description	Unit	Article No.	PU
Top pivot for Top Patch	Pc	9 228 458	01
Top Patch	Pc	9 228 266	01
Bottom Patch	Pc	9 228 265	01
Corner Patch Lock	Pc	9 228 269	01
Single door with Top Pivot for Top Patch Set	Set		01

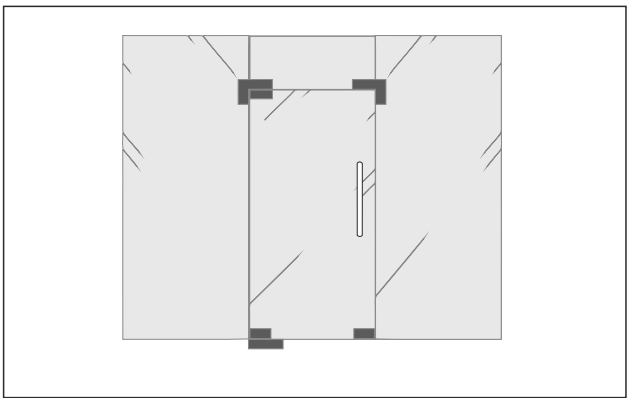
Single door with Overpanel & Sidelight



- 1 Overpanel Patch
- 1 Connector for Overpanel / Sidepanel
- 1 Bottom Patch
- 1 Top Patch
- 1 Patch Lock

Description	Unit	Article No.	PU
Overpanel Patch	Pc	9 228 267	01
Connector for Overpanel / Sidepanel	Pc	9 228 276	01
Bottom Patch	Pc	9 228 265	01
Top Patch	Pc	9 228 266	01
Corner Patch Lock	Pc	9 228 269	01
Single door with Overpanel & Sidelight set	Set		01

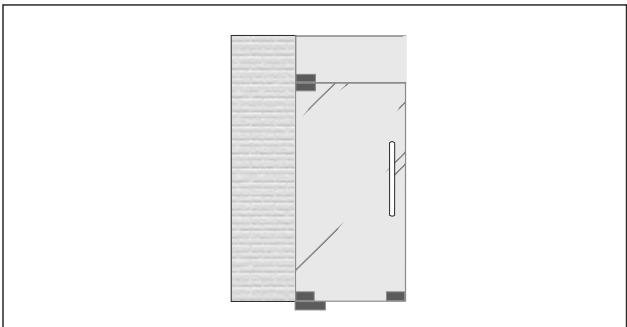
Single door with Overpanel & Sidepanels (each side)



- 1 Overpanel side patch
- 1 Connector for Overpanel / Sidepanel
- 1 Bottom Patch
- 1 Top Patch
- 1 Patch Lock

Description	Unit	Article No.	PU
Overpanel side patch	Pc	9 228 268	01
Connector for Overpanel / Sidepanel	Pc	9 228 276	01
Bottom Patch	Pc	9 228 265	01
Top Patch	Pc	9 228 266	01
Corner Patch Lock	Pc	9 228 269	01
Single door with Overpanel & Sidepanels (each side)	Set		01

Single door with Overpanel on top



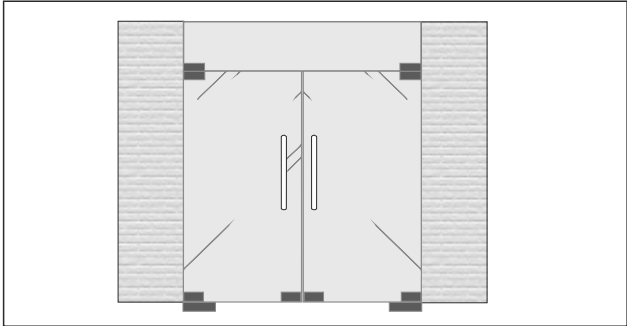
- 1 Overpanel Patch with fixing plate
- 1 Top Patch
- 1 Bottom Patch
- 1 Patch Lock

Description	Unit	Article No.	PU
Overpanel Patch with fixing plate	Pc	9 228 275	01
Top Patch	Pc	9 228 266	01
Bottom Patch	Pc	9 228 265	01
Corner Patch Lock	Pc	9 228 269	01
Single door with Overpanel on Top Patch set	Set		01

Note: For Floor Spring refer Floor Spring Section & Euro profile cylinder (60 mm) refer Locking Solution Section and Order Separately

Article codes written in black are available on request.

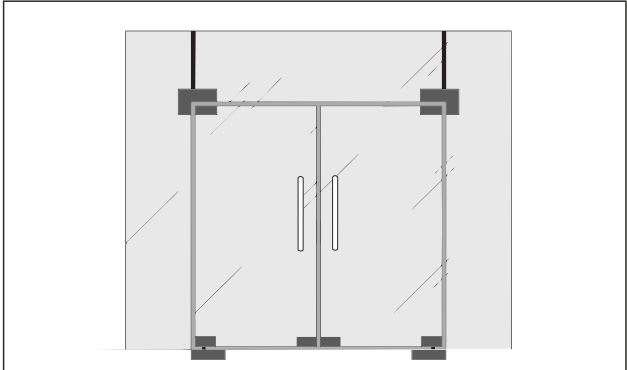
Double door with Overpanel on top



- 2 Overpanel Patch with fixing plate
- 2 Top Patch
- 2 Bottom Patch
- 2 Patch Lock

Description	Unit	Article No.	PU
Overpanel Patch with fixing plate	Pc	9 228 275	01
Top Patch	Pc	9 228 266	01
Bottom Patch	Pc	9 228 265	01
Corner Patch Lock	Pc	9 228 269	01
Double door with Overpanel on Top Patch set	Set		01

Double door with Overpanel & Sidepanels (each side)



- 2 Overpanel side patch
- 2 Bottom Patch
- 2 Top Patch
- 2 Patch Lock

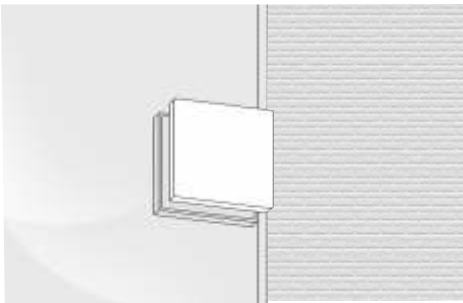
Description	Unit	Article No.	PU
Overpanel side patch	Pc	9 228 268	01
Top Patch	Pc	9 228 266	01
Bottom Patch	Pc	9 228 265	01
Corner Patch Lock	Pc	9 228 269	01
Double door with Overpanel & Sidepanels(each side)	Set		01

Note: For Floor Spring refer Floor Spring Section & Euro profile cylinder (60 mm) refer Locking Solution Section and Order Separately

Glass Connectors



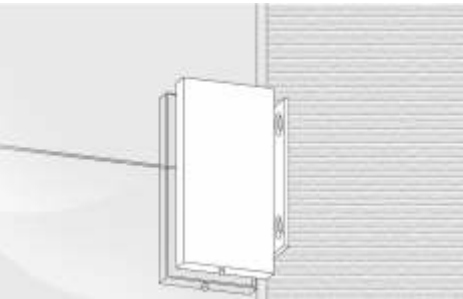
Wall to glass one panel
► Weight carrying capacity
20 kg/pair



Description	Unit	Article No.	PU
HGF 900	Pc	9 228 272	01



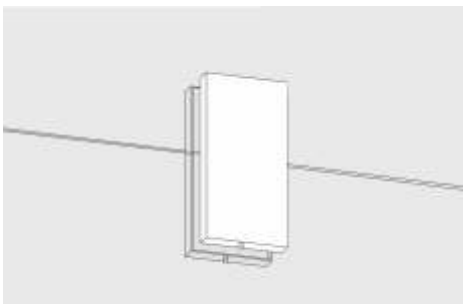
Wall to glass two panels
► Weight carrying capacity
20 kg/pair



Description	Unit	Article No.	PU
HGF 910	Pc	9 228 273	01



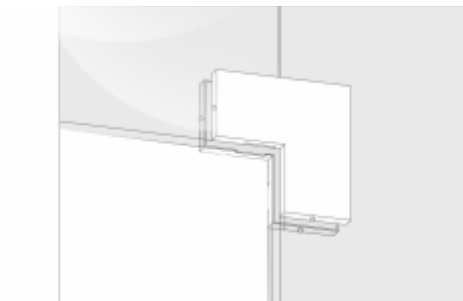
Glass to glass two panels
► Weight carrying capacity
20 kg/pair



Description	Unit	Article No.	PU
HGF 920	Pc	9 228 274	01



Connector for overpanel
► Weight carrying capacity
20 kg/pair



Description	Unit	Article No.	PU
HGF 940	Pc	9 228 276	01
HGF 940, BL	Pc	9 251 410	01

Glass Door Hardware

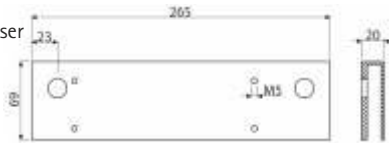
▶ Glass clamping device & glass sliding (Partition)



Glass Clamping Device



- ▶ For Door closer HSS-41
- ▶ Suitable for 8 - 12 mm glass (toughened safety glass)
- ▶ Same version DIN left and DIN right
- ▶ Including threaded holes for the door closer
- ▶ Finishes: Aluminium Silver Coated



Description	Unit	Article No.	PU
HGL GC	Pc	9 228 295	01

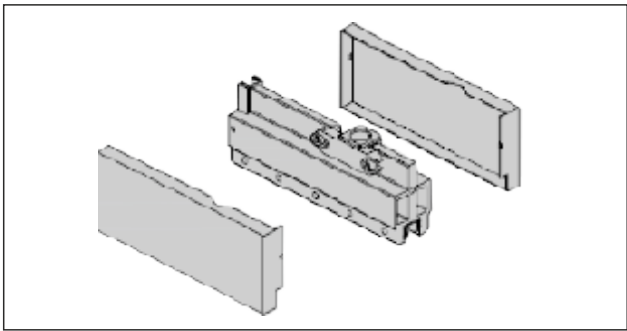
Hydraulic Patch Fitting HBL-30



- Description:**
- ▶ Adjustable Closing & Latching Speed
 - ▶ Maximum door opening angle at 180°
 - ▶ Maximum door control opening at 110°
 - ▶ Maximum door width 1000 mm
 - ▶ Maximum door weight 100 kg
 - ▶ Glass thickness application 8~13 mm

S.no.	Description	Unit	Article No.	PU
1	HBL-30: EN3, Hydraulic Patch for Door width 1000 mm & 60 Kg weight (Max.) (Non hold open)	Set	9 250 568	01

Top Patch for HBL-30



- Description:**
- ▶ Suitable for HBL-30 hydraulic patch
 - ▶ Product size: 185mmx72mmx45mm
 - ▶ Max. Door width: 1000 mm
 - ▶ Max. Door weight: 100 kg

S.no.	Description	Unit	Article No.	PU
1	Top Patch for HBL-30	Set	9 250 569	01

Article codes written in black are available on request.

Glass Sliding (Partition)

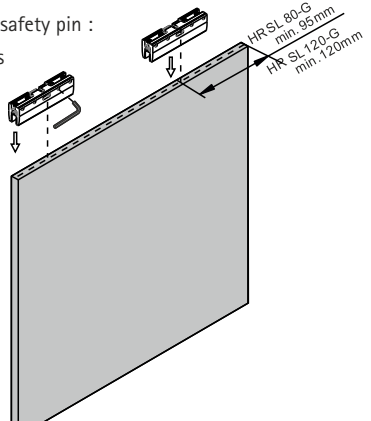


- For Glass door of weight 80 kg & 120 kg
- Glass sliding track length 3000 mm
- Maximum Glass shutter width of 1500 mm only.

Description	Unit	Article No.	PU
HR SL80-G: Glass Sliding for loading capacity 80 kg	Set	9 228 477	01
HR SL80-G: Glass Sliding track length 3000 mm	Set	9 228 478	01
HR SL120-G: Glass Sliding for loading capacity 120 kg	Set	9 228 479	01
HR SL120-G: Glass Sliding track length 3000 mm	Set	9 228 480	01

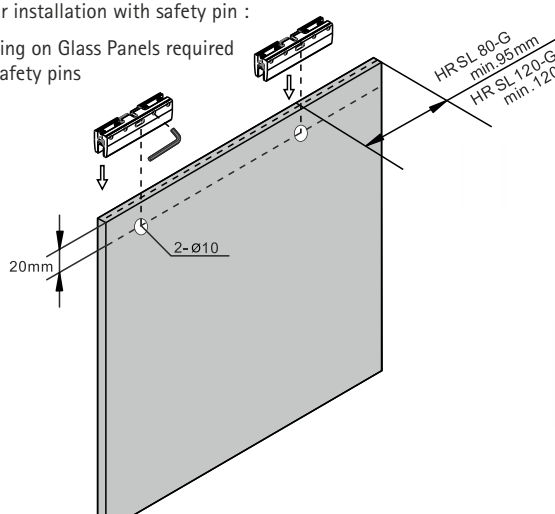
Cut-out for installation without safety pin :

Note: No drilling on Glass Panels

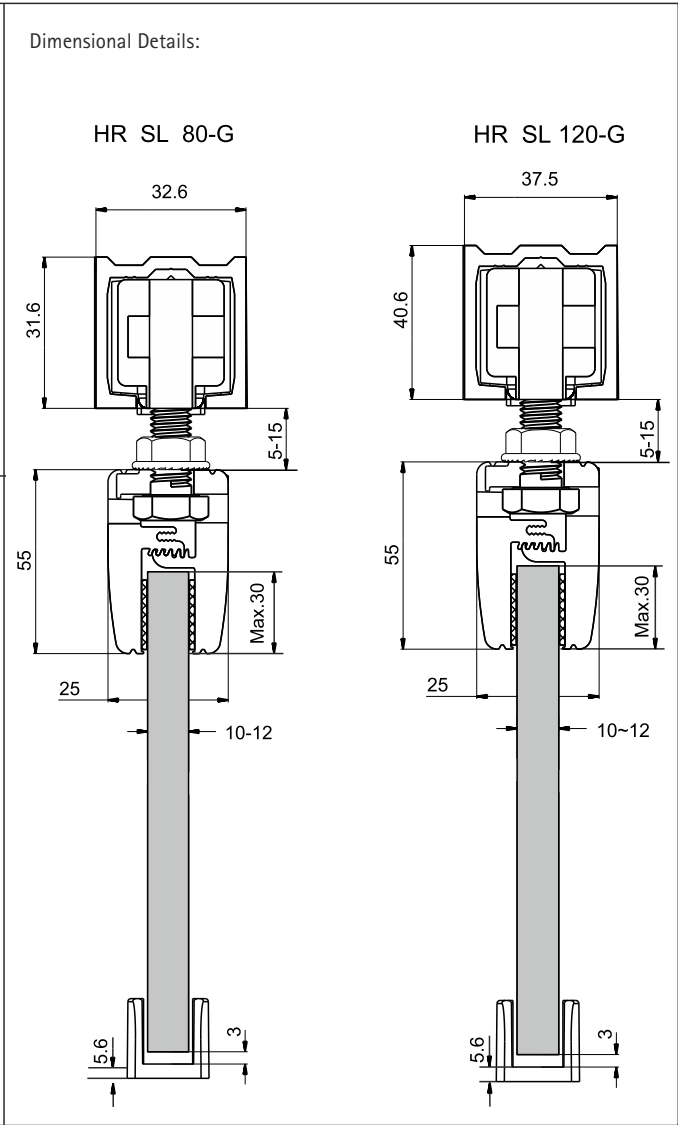


Cut-out for installation with safety pin :

Note: Drilling on Glass Panels required to install safety pins



Optional installation: For increased safety, you can also cut holes on the glass door so that it can be held more sturdily by the pin rods.



Stainless Steel Pull Handle



- Installation height: 85 mm
- Opening diameter: 12 mm
- Fastening screws included
- Material: Stainless steel
- Finish: Satin & Polished
- Wooden door thickness : 30 - 60 mm
- Glass door thickness : 8 - 19 mm

HPH 2110 Back to Back Handles Dia: 19 mm

Description	Unit	Article No.	PU
HPH 2110 : Back To Back Pull Handles Dia. 19 mm, CTC Length 150 mm, Stainless Steel Satin Finish	Set	9 228 525	01
HPH 2110 : Back To Back Pull Handles Dia. 19 mm, CTC Length 150 mm, Polished Stainless Steel Finish	Set	9 228 526	01
HPH 2110 : Back To Back Pull Handles Dia. 19 mm, CTC Length 200 mm, Stainless Steel Satin Finish	Set	9 228 527	01
HPH 2110 : Back To Back Pull Handles Dia. 19 mm, CTC Length 200 mm, Polished Stainless Steel Finish	Set	9 228 528	01

HPH 2110 Back to Back Handles Dia: 25 mm

Description	Unit	Article No.	PU
HPH 2110 : Back To Back Pull Handles Dia. 25 mm, CTC Length 300 mm, Black Finish	Set	9 251 420	01
HPH 2110 : Back To Back Pull Handles Dia. 25 mm, CTC Length 300 mm, Stainless Steel Satin Finish	Set	9 228 529	01
HPH 2110 : Back To Back Pull Handles Dia. 25 mm, CTC Length 300 mm, Polished Stainless Steel Finish	Set	9 228 530	01
HPH 2110 : Back To Back Pull Handles Dia. 25 mm, CTC Length 400 mm, Stainless Steel Satin Finish	Set	9 228 531	01
HPH 2110 : Back To Back Pull Handles Dia. 25 mm, CTC Length 400 mm, Polished Stainless Steel Finish	Set	9 228 532	01

HPH 2110 Back to Back Handles Dia: 30 mm

Description	Unit	Article No.	PU
HPH 2110 : Back To Back Pull Handles Dia. 30 mm, CTC Length 600 mm, Stainless Steel Satin Finish	Set	9 228 533	01
HPH 2110 : Back To Back Pull Handles Dia. 30 mm, CTC Length 600 mm, Polished Stainless Steel Finish	Set	9 228 534	01
HPH 2110 : Back To Back Pull Handles Dia. 30 mm, CTC Length 900 mm, Stainless Steel Satin Finish	Set	9 228 535	01
HPH 2110 : Back To Back Pull Handles Dia. 30 mm, CTC Length 900 mm, Polished Stainless Steel Finish	Set	9 228 536	01

HPH 2110 Back to Back Handles Dia: 32 mm

Description	Unit	Article No.	PU
HPH 2110 : Back To Back Pull Handles Dia. 32 mm, CTC Length 1200 mm, Stainless Steel Satin Finish	Set	9 228 537	01
HPH 2110 : Back To Back Pull Handles Dia. 32 mm, CTC Length 1200 mm, Polished Stainless Steel Finish	Set	9 228 538	01

HPH 2110 Bolt Through Handles Dia: 19 mm

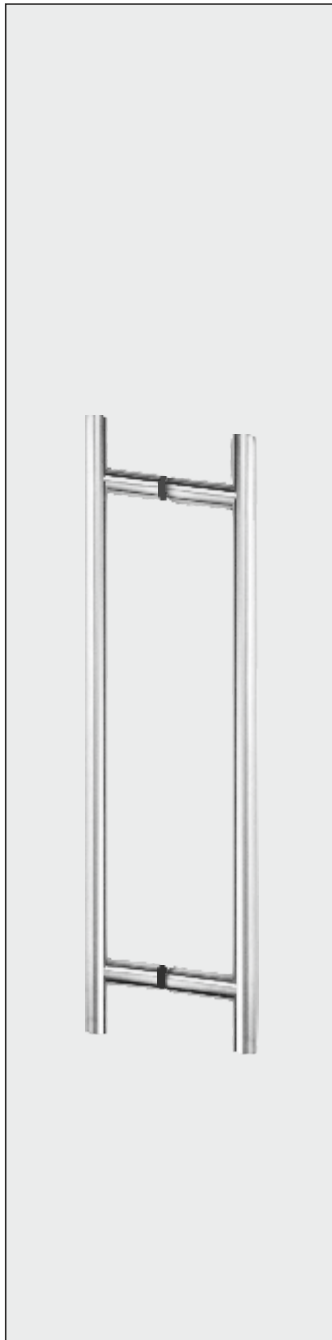
Description	Unit	Article No.	PU
HPH 2110: Bolt Through Pull Handles Dia. 19 mm, CTC Length 150 mm, Stainless Steel Satin Finish	Set	9 228 539	01
HPH 2110: Bolt Through Pull Handles Dia. 19 mm, CTC Length 150 mm, Polished Stainless Steel Finish	Set	9 228 540	01
HPH 2110: Bolt Through Pull Handles Dia. 19 mm, CTC Length 200 mm, Stainless Steel Satin Finish	Set	9 228 541	01
HPH 2110: Bolt Through Pull Handles Dia. 19 mm, CTC Length 200 mm, Polished Stainless Steel Finish	Set	9 228 542	01
HPH 2110: Bolt Through Pull Handles Dia. 19 mm, CTC Length 250 mm, Stainless Steel Satin Finish	Set	9 228 543	01
HPH 2110: Bolt Through Pull Handles Dia. 19 mm, CTC Length 250 mm, Polished Stainless Steel Finish	Set	9 228 544	01

Note: Back to back fixing is for glass & wooden shutter for both side installation

Note: Bolt through fixing is for Wooden shutter when handle on one side

Article codes written in black are available on request.

Stainless Steel Pull Handle



- Installation height: 85 mm
- Opening diameter: 12 mm
- Fastening screws included
- Material: Stainless steel
- Finish: Satin & Polished
- Wooden door thickness : 30 – 60 mm
- Glass door thickness : 8 – 19 mm

HPH 2330 Back To Back Pull Handles Dia: 19 mm

Description	Unit	Article No.	PU
HPH 2330: Back To Back Pull Handles Dia. 19 mm, CTC Length 200, End to end 300, Stainless Steel Satin Finish	Set	9 228 545	01
HPH 2330: Back To Back Pull Handles Dia. 19 mm, CTC Length 200, End to end 300, Polished Stainless Steel Finish	Set	9 228 546	01

HPH 2330 Back To Back Pull Handles Dia: 25 mm

Description	Unit	Article No.	PU
HPH 2330: Back To Back Pull Handles Dia. 25 mm, CTC Length 300, End to end 400, Black Finish	Set	9 251 418	01
HPH 2330: Back To Back Pull Handles Dia. 25 mm, CTC Length 200, End to end 300, Stainless Steel Satin Finish	Set	9 228 547	01
HPH 2330: Back To Back Pull Handles Dia. 25 mm, CTC Length 200, End to end 300, Polished Stainless Steel Finish	Set	9 228 548	01
HPH 2330: Back To Back Pull Handles Dia. 25 mm, CTC Length 300, End to end 400, Stainless Steel Satin Finish	Set	9 228 549	01
HPH 2330: Back To Back Pull Handles Dia. 25 mm, CTC Length 300, End to end 400, Polished Stainless Steel Finish	Set	9 228 550	01
HPH 2330: Back To Back Pull Handles Dia. 25 mm, CTC Length 400, End to end 550, Stainless Steel Satin Finish	Set	9 228 551	01
HPH 2330: Back To Back Pull Handles Dia. 25 mm, CTC Length 400, End to end 550, Polished Stainless Steel Finish	Set	9 228 552	01
HPH 2330: Back To Back Pull Handles Dia. 25 mm, CTC Length 500, End to end 600, Stainless Steel Satin Finish	Set	9 250 424	01
HPH 2330: Back To Back Pull Handles Dia. 25 mm, CTC Length 500, End to end 600, Polished Stainless Steel Finish	Set	9 250 508	01
HPH 2330: Back To Back Pull Handles Dia. 25 mm, CTC Length 900, End to end 1200, Stainless Steel Satin Finish	Set	9 228 553	01
HPH 2330: Back To Back Pull Handles Dia. 25 mm, CTC Length 900, End to end 1200, Polished Stainless Steel Finish	Set	9 228 554	01

HPH 2330 Back to Back Pull Handle Dia: 32 mm

Description	Unit	Article No.	PU
HPH 2330: Back To Back Pull Handles Dia. 32 mm, CTC Length 1200, End to end 1500, Stainless Steel Satin Finish	Set	9 228 555	01
HPH 2330: Back To Back Pull Handles Dia. 32 mm, CTC Length 1200, End to end 1500, Polished Stainless Steel Finish	Set	9 228 556	01
HPH 2330: Back To Back Pull Handles Dia. 32 mm, CTC Length 1500, End to end 1800, Stainless Steel Satin Finish	Set	9 228 557	01
HPH 2330: Back To Back Pull Handles Dia. 32 mm, CTC Length 1500, End to end 1800, Polished Stainless Steel Finish	Set	9 228 558	01



- Installation height: 85 mm
- Opening diameter: 12 mm
- Fastening screws included.
- Material: Stainless steel
- Finish: Satin & Polished

HPH 2310 Back to Back Pull Handle Dia: 25 mm

Description	Unit	Article No.	PU
HPH 2310: Back To Back Pull Handles Dia. 25, CTC Length 300, Stainless Steel Satin Finish	Set	9 228 559	01
HPH 2310: Back To Back Pull Handles Dia. 25, CTC Length 300, Polished Stainless Steel Finish	Set	9 228 560	01
HPH 2310: Back To Back Pull Handles Dia. 25, CTC Length 400, Stainless Steel Satin Finish	Set	9 228 561	01
HPH 2310: Back To Back Pull Handles Dia. 25, CTC Length 400, Polished Stainless Steel Finish	Set	9 228 562	01

Note: Back to back fixing is for glass & wooden shutter for both side installation

Note: Bolt through fixing is for Wooden shutter when handle on one side

Article codes written in black are available on request.

Stainless Steel Pull Handle



► Installation height: 85 mm ► Opening diameter: 12 mm ► Fastening screws included ► Glass door thickness : 8 – 19 mm
► Material: Stainless steel ► Finish: Satin Et Polished ► Wooden door thickness : 30 – 60 mm

HPH 2310 Bolt Through Pull Handle Dia: 19 mm

Description	Unit	Article No.	PU
HPH 2310: Bolt Through Pull Handles Dia. 19 mm, CTC Length 150, Stainless Steel Satin Finish	Set	9 228 563	01
HPH 2310: Bolt Through Pull Handles Dia. 19 mm, CTC Length 150, Polished Stainless Steel Finish	Set	9 228 564	01
HPH 2310: Bolt Through Pull Handles Dia. 19 mm, CTC Length 200, Stainless Steel Satin Finish	Set	9 228 565	01
HPH 2310: Bolt Through Pull Handles Dia. 19 mm, CTC Length 200, Polished Stainless Steel Finish	Set	9 228 566	01
HPH 2310: Bolt Through Pull Handles Dia. 19 mm, CTC Length 250, Stainless Steel Satin Finish	Set	9 228 567	01
HPH 2310: Bolt Through Pull Handles Dia. 19 mm, CTC Length 250, Polished Stainless Steel Finish	Set	9 228 568	01



HPH 2420 Back to Back Pull Handle Section 30x30 mm

Description	Unit	Article No.	PU
HPH 2420: Back To Back Pull Handles Section 30*30 mm, CTC Length 450 mm, Stainless Steel Satin Finish	Set	9 228 569	01
HPH 2420: Back To Back Pull Handles Section 30*30 mm, CTC Length 450 mm, Polished Stainless Steel Finish	Set	9 228 570	01
HPH 2420: Back To Back Pull Handles Section 30*30 mm, CTC Length 600 mm, Stainless Steel Satin Finish	Set	9 228 571	01
HPH 2420: Back To Back Pull Handles Section 30*30 mm, CTC Length 600 mm, Polished Stainless Steel Finish	Set	9 228 572	01
HPH 2420: Back To Back Pull Handles Section 30*30 mm, CTC Length 900 mm, Stainless Steel Satin Finish	Set	9 228 573	01
HPH 2420: Back To Back Pull Handles Section 30*30 mm, CTC Length 900 mm, Polished Stainless Steel Finish	Set	9 228 574	01

Stainless Steel Lock-able Pull Handle



► 2 Point Fixing
► Diameter: 35 mm, Material Thickness: 1.35 mm
► Centre to centre: 925 mm, End to end: 1200mm
► Material: Stainless steel

Description	Unit	Article No.	PU
HLH S350 1200	Pc	9 228 223	01

► 3 Point Fixing
► Diameter: 35 mm, Material Thickness: 1.35 mm
► Centre to centre bottom (C1): 925 mm, Centre to centre upper (C2): 725 mm
► End to end: 1800 mm ► Material: Stainless steel

Description	Unit	Article No.	PU
HLH S350 1800	Pc	9 228 224	01

► 3 Point Fixing
► Diameter: 35 mm, Material Thickness: 1.35 mm
► Centre to centre bottom (C1): 925 mm, Centre to centre upper (C2): 925 mm
► End to end: 2000 mm ► Material: Stainless steel

Description	Unit	Article No.	PU
HLH S350 2000	Pc	9 228 225	01

► 3 Point Fixing
► Diameter: 35 mm, Material Thickness: 1.35 mm
► Centre to centre bottom (C1): 1125 mm, Centre to centre upper (C2): 1125 mm
► End to end: 2400 mm ► Material: Stainless steel

Description	Unit	Article No.	PU
HLH S350 2400	Pc	9 228 226	01

Note: Back to back fixing is for glass & wooden shutter for both side installation

Note: Bolt through fixing is for Wooden shutter when handle on one side

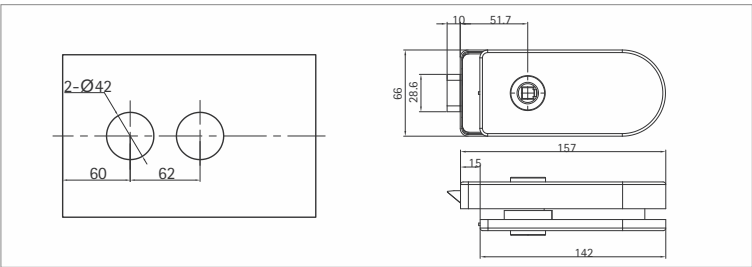
Glass locks without lever



- Glass door lock with profile cylinder hole/without profile cylinder hole
- Suitable for glass door thickness of 8-10mm
- Same version DIN L and DIN R
- Handle follower 8mm
- Latch bolt projection 19mm
- Latch bolt with silent function
- Required cylinder length 60mm
- Available with D-2110 and D-2310 handle
- Handle diameter 22mm
- Satin stainless steel finish



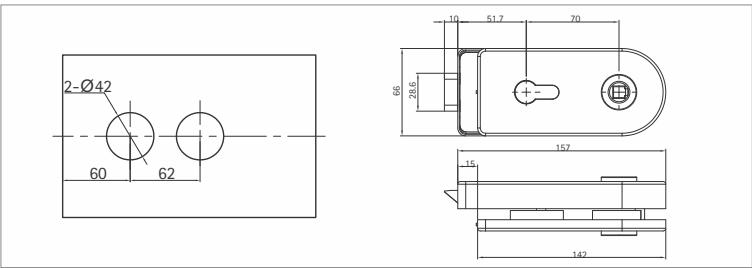
UV Studio lock



Description	Unit	Article No.	PU
HGL UV10 SS	Pc	9 228 277	01



PZ Studio lock



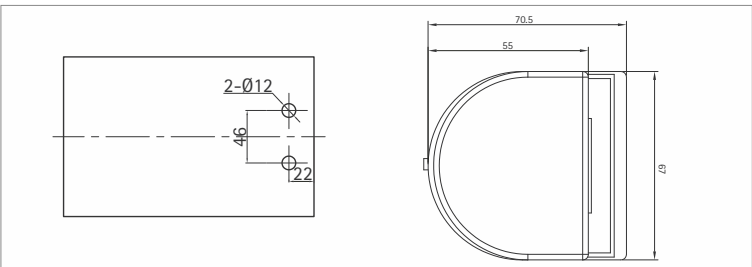
Description	Unit	Article No.	PU
HGL PZ10 SS	Pc	9 228 279	01

Note: For Euro profile cylinder (60 mm) refer page no. 200 & order separately

Counter lock for Passive leaf made of glass doors



- Passive leaf glass door lock
- Suitable for glass door thickness of 8-10mm
- Same version DIN L and DIN R
- Satin stainless steel finish

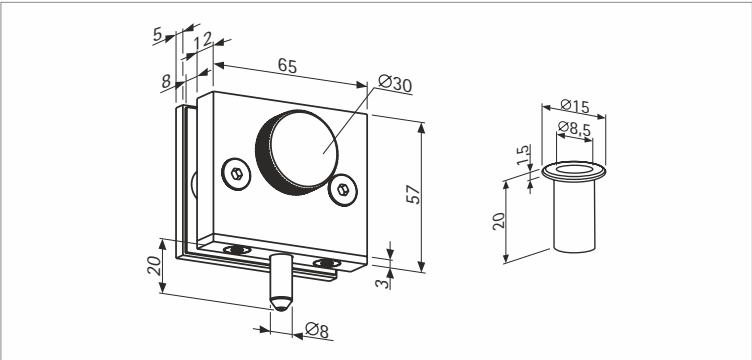


Description	Unit	Article No.	PU
HGL CL10 SS	Pc	9 228 281	01

Glass Door Knob Locks



- Fixing in-active leaf of double glass door
- Aluminium, suitable for 8 - 10 mm glass
- Floor socket suitable for Ø 8 mm bolt

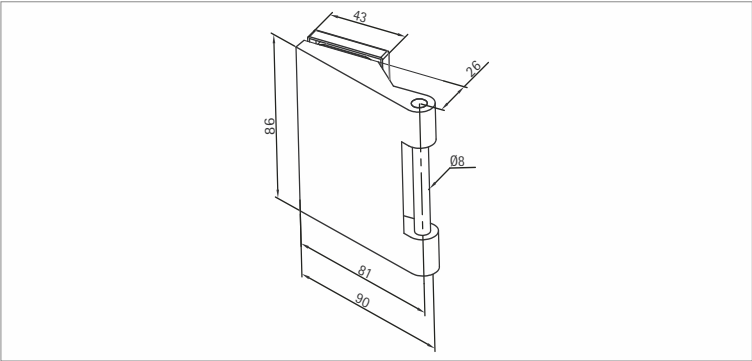


Description	Unit	Article No.	PU
HGL KL10 SS	Pc	9 228 278	01

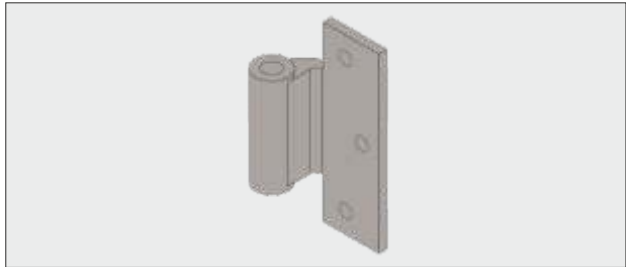
Glass Door hinges



- Suitable for glass door thickness of 8-10mm
- Depth of 34-46mm
- Same version DIN L and DIN R
- To be used with frame part A for screw on fixing on the frame
- Satin stainless steel finish



Description	Unit	Article No.	PU
HGL BH10 SS	Pc	9 228 283	01



Frame part for reception in wooden frames
Material: Steel Zinc Plated

Description	Unit	Article No.	PU
Frame part for reception in wooden frames	Pc	9 228 296	01

Glass Lever handle without escutcheon



- ▶ Suitable for studio locks HGL UV10/ PZ10
- ▶ Same version DIN left and DIN right
- ▶ Handle diameter 22 mm
- ▶ Finishes: Stainless steel



HGL HD310

Description	Unit	Article No.	PU
HGL HD310 SS	Pc	9 228 291	01



HGL HD110

Description	Unit	Article No.	PU
HGL HD110 SS	Pc	9 228 289	01



Apart from comprehensive range of Glass Fittings, Hettich's core competence also extends to shower cubicle fittings & accessories. Through this complete solution-based range, it provides every possible fitting required for an ideal shower cubicle.

Shower hinges with different opening angles, over-head bars & connectors provide shower glass enclosure of different shapes & sizes, increasing elegance & style of the bathroom.

Apart from this, Hettich offers accessories like seals, towel bars with handles & door knobs that makes the shower cubicle perfectly functional and convenient to use.

Shower Glass Connectors (Base material: Stainless Steel with Chrome Plating)

Page No: 267

			
Wall/Floor to Glass 90°	Wall/Floor to Glass 90°	Glass to Glass 90°	Glass to Glass 180°

Shower Glass Door Hinge: Pro Series (Base material: Stainless Steel with Chrome Plating)

Page No: 268 – 269

		
Wall to Glass 90° (standard base)	Wall to Glass 90° (forked base)	Wall to Glass 90° (eccentric base)
		
Glass to Glass 90°	Glass to Glass 135°	Glass to Glass 180°

Shower Glass Connectors (Base material: Brass with Chrome Plating)

Page No: 270

				
Wall/Floor to Glass 90°	Wall/Floor to Glass 90°	Glass to Glass 90°	Glass to Glass 180°	Wall to Glass Fix Clip

Shower Glass Door Hinge: Pro Series (Base material: Brass with Chrome Plating)

Page No: 271 – 272

		
Wall to Glass 90° (standard base)	Wall to Glass 90° (forked base)	Wall to Glass 90° (eccentric base)
		
Glass to Glass 90°	Glass to Glass 135°	Glass to Glass 180°

Shower Glass Door Hinge: Premium Series (Base material: Brass with Chrome Plating)

Page No: 273

 Wall to Glass 90°	 Glass to Glass 90°	 Glass to Glass 135°	 Glass to Glass 180°
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Shower Glass Door Knobs (Base material: Brass with Chrome Plating)

Page No: 273 – 274

 HGN 01	 HGN 02	 HGN 03	 HGN 04
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Shower Glass Door Handles

Page No: 274

 Finish: Satin Stainless Steel	 Finish: Polished Stainless Steel
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Shower Cubicle Seals

Page No: 275

 Wall Seal for Soft Lip	 Wall and Bottom Seal with water run-off plate	 Weather Seal	 Central Glass Seal
 90° Magnetic Seal	 135° Magnetic Seal	 180° Magnetic Seal	

Shower Header bar & Connecting Fittings

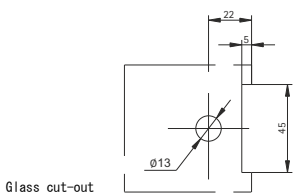
Page No: 276 – 277

 Header Bar	 Wall Support	 Glass End Connector	 Glass Middle Support	 90° Connector
 Universal Connector	 T-Connector	 Straight Connector	 130° Connector	

Connectors (Base material: Stainless Steel with Chrome plating; For 8-10 mm Glass thickness)



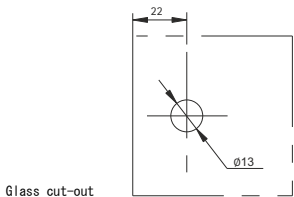
- HGC 01: 90° Wall to Glass / Floor to Glass Connector**
- Passed 96 hours Salt spray test
 - Base material: Stainless Steel
 - Connectors with straight edge
 - Finish available: Polished Stainless Steel and Satin Stainless Steel



Description	Unit	Article No.	PU
HGC 01: 90° Wall to Glass / Floor to Glass Connector Polished Stainless Steel	Pc	9 250 733	01
HGC 01: 90° Wall to Glass / Floor to Glass Connector Satin Stainless Steel	Pc	9 250 809	01



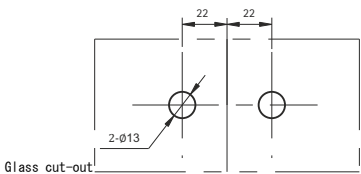
- HGC 02: 90° Wall to Glass / Floor to Glass Connector**
- Passed 96 hours Salt spray test
 - Base material: Stainless Steel
 - Connectors with straight edge
 - Finish available: Polished Stainless Steel and Satin Stainless Steel



Description	Unit	Article No.	PU
HGC 02: 90° Wall to Glass / Floor to Glass Connector Polished Stainless Steel	Pc	9 250 734	01
HGC 01: 90° Wall to Glass / Floor to Glass Connector Satin Stainless Steel	Pc	9 250 810	01



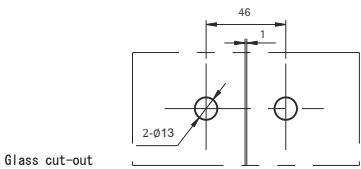
- HGC 03: 90° Glass to Glass Connector**
- Passed 96 hours Salt spray test
 - Base material: Stainless Steel
 - Connectors with straight edge
 - Finish available: Polished Stainless Steel and Satin Stainless Steel



Description	Unit	Article No.	PU
HGC 03: 90° Glass to Glass Connector Polished Stainless Steel	Pc	9 250 735	01
HGC 03: 90° Glass to Glass Connector Satin Stainless Steel	Pc	9 250 811	01



- HGC 04: 180° Glass to Glass Connector**
- Passed 96 hours Salt spray test
 - Base material: Stainless Steel
 - Connectors with straight edge
 - Finish available: Polished Stainless Steel and Satin Stainless Steel



Description	Unit	Article No.	PU
HGC 04: 180° Glass to Glass Connector Polished Stainless Steel	Pc	9 250 736	01
HGC 04: 180° Glass to Glass Connector Satin Stainless Steel	Pc	9 250 812	01

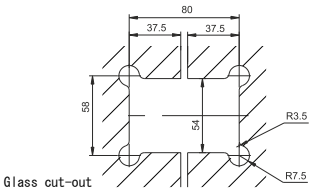
Article codes written in black are available on request.

Pro-Series Hinges (Base material: Stainless Steel with Chrome plating; For 8-12 mm Glass thickness)



HSH-OWNO: 90° Glass to wall Hinge
(Standard base plate) (Self-closing from 30°)

- Tested for 100,000 cycles
- Passed 96 hours Salt spray test
- Max Door Width: 750 mm, Max Weight: 40 kg/pair
- Base material: Stainless Steel
- Hinge with straight edge
- Finish available: Polished Stainless Steel and Satin Stainless Steel

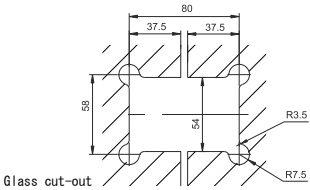


Description	Unit	Article No.	PU
HSH-OWNO: 90° Glass to wall Hinge (standard base plate) Polished Stainless Steel	Pc	9 250 737	01
HSH-OWNO: 90° Glass to wall Hinge (standard base plate) Satin Stainless Steel	Pc	9 250 813	01



HSH-OWWO: 90° Glass to wall Hinge
(forked base plate) (Self-closing from 30°)

- Tested for 100,000 cycles
- Passed 96 hours Salt spray test
- Max Door Width: 750 mm, Max Weight: 40 kg/pair
- Base material: Stainless Steel
- Hinge with straight edge
- Finish available: Polished Stainless Steel and Satin Stainless Steel

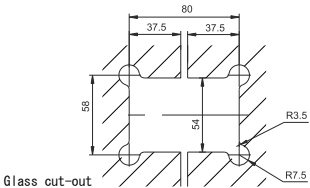


Description	Unit	Article No.	PU
HSH-OWWO: 90° Glass to wall Hinge (forked for base plate) Polished Stainless Steel	Pc	9 250 742	01
HSH-OWWO: 90° Glass to wall Hinge (forked for base plate) Satin Stainless Steel	Pc	9 250 743	01



HSH-OWFO: 90° Glass to wall Hinge
(Eccentric base plate) (Self-closing from 30°)

- Tested for 100,000 cycles
- Passed 96 hours Salt spray test
- Max Door Width: 750 mm, Max Weight: 40 kg/pair
- Base material: Stainless Steel
- Hinge with straight edge
- Finish available: Polished Stainless Steel and Satin Stainless Steel

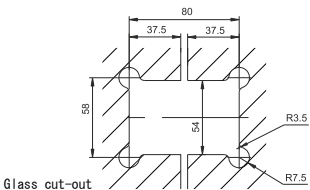


Description	Unit	Article No.	PU
HSH-OWFO: 90° Glass to wall Hinge (Eccentric base plate) Polished Stainless Steel	Pc	9 250 738	01
HSH-OWFO: 90° Glass to wall Hinge (Eccentric base plate) Satin Stainless Steel	Pc	9 250 814	01



HSH-OGAO: 90° Glass to Glass Hinge
(Self-closing from 30°)

- Tested for 100,000 cycles
- Passed 96 hours Salt spray test
- Max Door Width: 750 mm, Max Weight: 40 kg/pair
- Base material: Stainless Steel
- Hinge with straight edge
- Finish available: Polished Stainless Steel and Satin Stainless Steel



Description	Unit	Article No.	PU
HSH-OGAO: 90° Glass to Glass Hinge Polished Stainless Steel	Pc	9 250 739	01
HSH-OGAO: 90° Glass to Glass Hinge Satin Stainless Steel	Pc	9 250 815	01

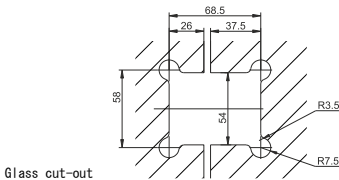
Article codes written in black are available on request.

Pro-Series Hinges (Base material: Stainless Steel with Chrome plating; For 8-12 mm Glass thickness)

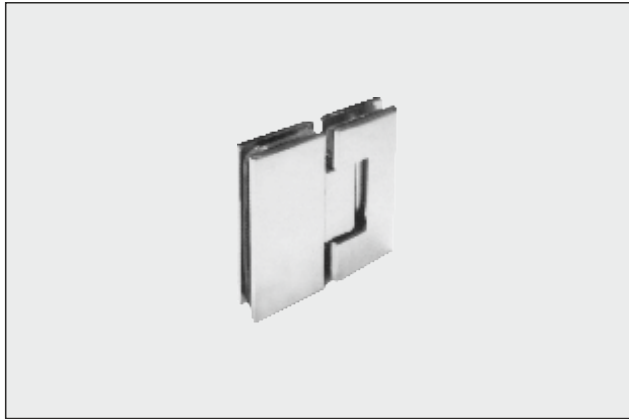


HSH-OGCO: 135° Glass to Glass Hinge
(Self-closing from 30°)

- Tested for 100,000 cycles
- Passed 96 hours Salt spray test
- Max Door Width: 750 mm,
Max Weight: 40 kg/pair
- Base material: Stainless Steel
- Hinge with straight edge
- Finish available: Polished Stainless Steel and
Satin Stainless Steel

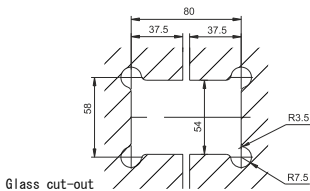


Description	Unit	Article No.	PU
HSH-OGCO: 135° Glass to Glass Hinge Polished Stainless Steel	Pc	9 250 740	01
HSH-OGCO: 135° Glass to Glass Hinge Satin Stainless Steel	Pc	9 250 816	01



HSH-OGDO: 180° Glass to Glass Hinge
(Self-closing from 30°)

- Tested for 100,000 cycles
- Passed 96 hours Salt spray test
- Max Door Width: 750 mm,
Max Weight: 40 kg/pair
- Base material: Stainless Steel
- Hinge with straight edge
- Finish available: Polished Stainless Steel and
Satin Stainless Steel



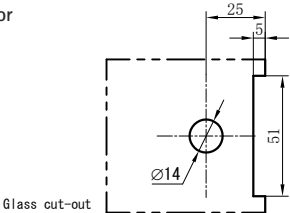
Description	Unit	Article No.	PU
HSH-OGDO: 180° Glass to Glass Hinge Polished Stainless Steel	Pc	9 250 741	01
HSH-OGDO: 180° Glass to Glass Hinge Satin Stainless Steel	Pc	9 250 817	01

Article codes written in black are available on request.

Connectors (Base material: Brass with Chrome plating; For 8-10 mm Glass thickness)



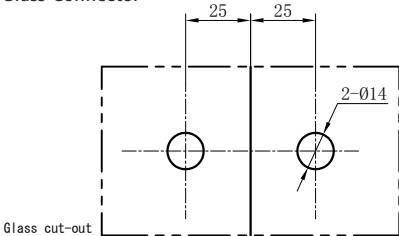
HGC 01: 90° Wall to Glass / Floor to Glass Connector
► Passed 96 hours Salt spray test
► Base material: Brass
► Finish: Bright Chrome



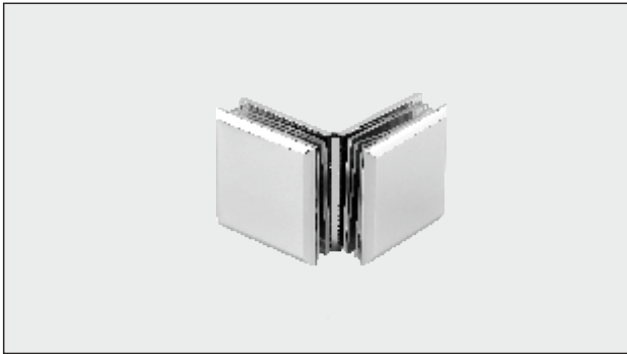
Description	Unit	Article No.	PU
HGC 01: 90° Wall to Glass / Floor to Glass Connector	Pc	9 228 297	01



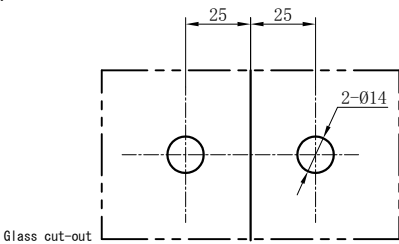
HGC 02: 90° Wall to Glass / Floor to Glass Connector
► Passed 96 hours Salt spray test
► Base material: Brass
► Finish: Bright Chrome



Description	Unit	Article No.	PU
HGC 02: 90° Wall to Glass / Floor to Glass Connector	Pc	9 228 298	01



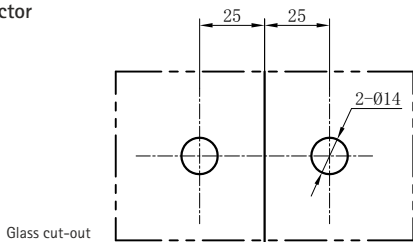
HGC 03: 90° Glass to Glass Connector
► Passed 96 hours Salt spray test
► Base material: Brass
► Finish: Bright Chrome



Description	Unit	Article No.	PU
HGC 03: 90° Glass to Glass Connector	Pc	9 228 299	01



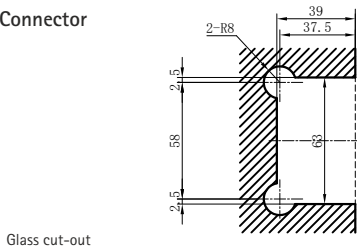
HGC 04: 180° Glass to Glass Connector
► Passed 96 hours Salt spray test
► Base material: Brass
► Finish: Bright Chrome



Description	Unit	Article No.	PU
HGC 04: 180° Glass to Glass Connector	Pc	9 228 300	01



HGC 05: 90° Wall to Glass Fix Clip Connector
► Passed 96 hours Salt spray test
► Base material: Brass
► Finish: Bright Chrome



Description	Unit	Article No.	PU
HGC 05: 90° Wall to Glass Fix Clip Connector	Pc	9 250 732	01

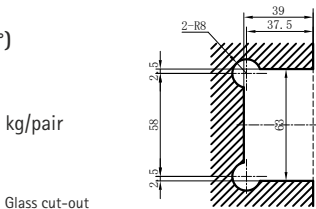
Article codes written in black are available on request.

Pro-Series Hinges (Base material: Brass with Chrome plating; For 8-12 mm Glass thickness)



HSH-OWNO: 90° Glass to wall Hinge
(Standard base plate) (Self-closing from 30°)

- Tested for 100,000 cycles
- Passed 96 hours Salt spray test
- Max Door Width: 750 mm, Max Weight: 40 kg/pair
- Base material: Brass
- Finish: Bright Chrome

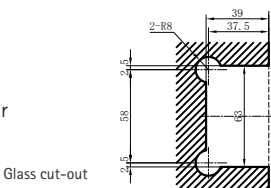


Description	Unit	Article No.	PU
HSH-OWNO: 90° Glass to wall Hinge (standard base plate)	Pc	9 228 309	01
HSH-OWNO: 90° Glass to wall Hinge (standard base plate) (Chamfer Edge)	Pc	9 250 425	01



HSH-OWWO: 90° Glass to wall Hinge
(forked base plate) (Self-closing from 30°)

- Tested for 100,000 cycles
- Passed 96 hours Salt spray test
- Max Door Width: 750 mm, Max Weight: 40 kg/pair
- Base material: Brass
- Finish: Bright Chrome

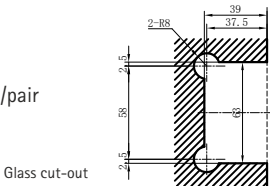


Description	Unit	Article No.	PU
HSH-OWWO: 90° Glass to wall Hinge (forked for base plate)	Pc	9 228 310	01
HSH-OWWO: 90° Glass to wall Hinge (forked for base plate) (Chamfer Edge)	Pc	9 250 426	01



HSH-OWFO: 90° Glass to wall Hinge
(Eccentric base plate) (Self-closing from 30°)

- Tested for 100,000 cycles
- Passed 96 hours Salt spray test
- Max Door Width: 750 mm, Max Weight: 40 kg/pair
- Base material: Brass
- Finish: Bright Chrome

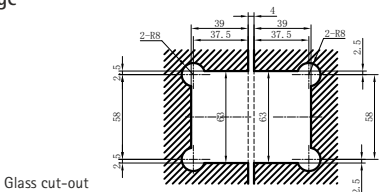


Description	Unit	Article No.	PU
HSH-OWFO: 90° Glass to wall Hinge (Eccentric base plate)	Pc	9 228 311	01
HSH-OWFO: 90° Glass to wall Hinge (Eccentric base plate) (Chamfer Edge)	Pc	9 250 427	01



HSH-OGAO: 90° Glass to Glass Hinge
(Self-closing from 30°)

- Tested for 100,000 cycles
- Passed 96 hours Salt spray test
- Max Door Width: 750 mm, Max Weight: 40 kg/pair
- Base material: Brass
- Finish: Bright Chrome



Description	Unit	Article No.	PU
HSH-OGAO: 90° Glass to Glass Hinge	Pc	9 228 312	01
HSH-OGAO: 90° Glass to Glass Hinge (Chamfer Edge)	Pc	9 250 428	01

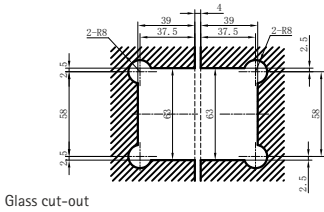
Article codes written in black are available on request.

Pro-Series Hinges (Base material: Brass with Chrome plating; For 8-12 mm Glass thickness)



HSH-OGCO: 135° Glass to Glass Hinge
(Self-closing from 30°)

- Tested for 100,000 cycles
- Passed 96 hours Salt spray test
- Max Door Width: 750 mm,
Max Weight: 40 kg/pair
- Base material: Brass
- Finish: Bright Chrome



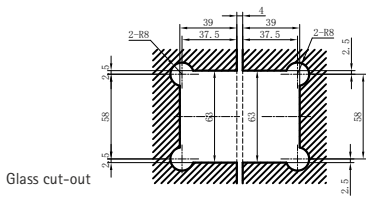
Glass cut-out

Description	Unit	Article No.	PU
HSH-OGCO: 135° Glass to Glass Hinge	Pc	9 228 313	01
HSH-OGCO: 135° Glass to Glass Hinge (Chamfer Edge)	Pc	9 250 429	01



HSH-OGDO: 180° Glass to Glass Hinge
(Self-closing from 30°)

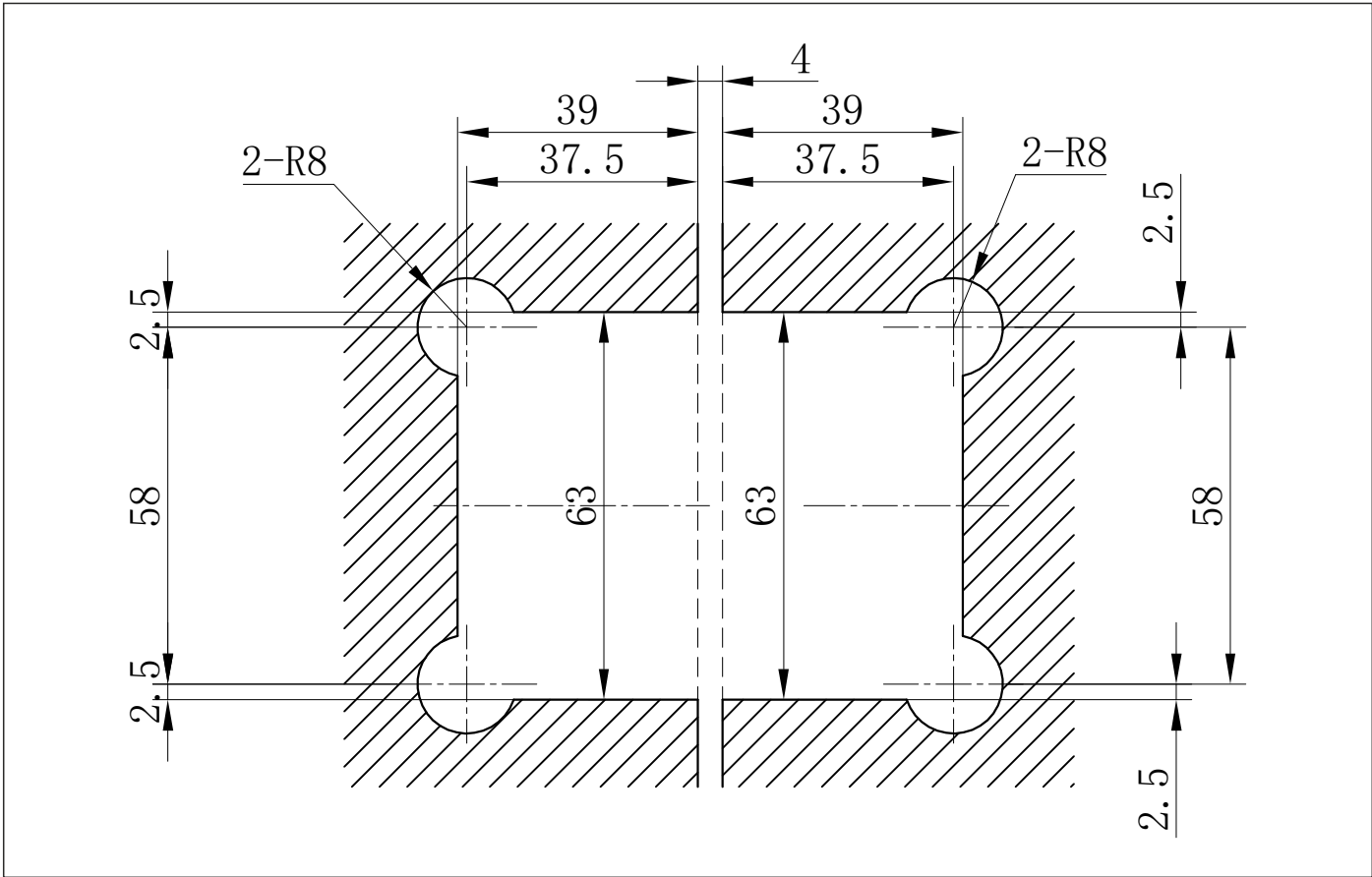
- Tested for 100,000 cycles
- Passed 96 hours Salt spray test
- Max Door Width: 750 mm,
Max Weight: 40 kg/pair
- Base material: Brass
- Finish: Bright Chrome



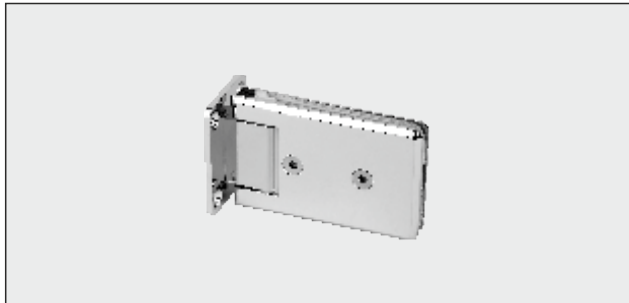
Glass cut-out

Description	Unit	Article No.	PU
HSH-OGDO: 180° Glass to Glass Hinge	Pc	9 228 314	01
HSH-OGDO: 180° Glass to Glass Hinge (Chamfer Edge)	Pc	9 250 430	01

Cut Out Details for Pro Series Hinges

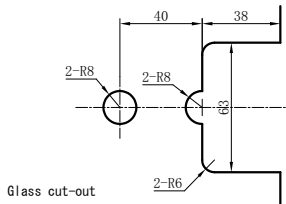


Premium-Series Hinges (Base material: Brass with Chrome plating; For 8-12 mm Glass thickness)



HSH-11: 90° Wall to Glass Hinge
(Self-closing from 30°)

- Tested for 100,000 cycles
- Passed 96 hours Salt spray test
- Max Door Width: 1000 mm,
Max Weight: 50 kg/pair
- Base material: Brass
- Finish: Bright Chrome

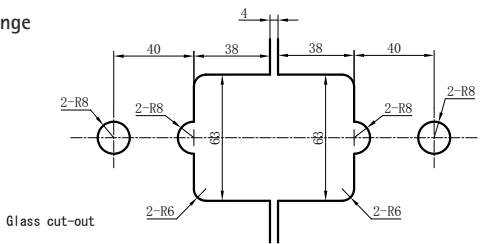


Description	Unit	Article No.	PU
HSH-11: 90° Wall to Glass Hinge (Self-closing from 30°)	Pc	9 228 301	01

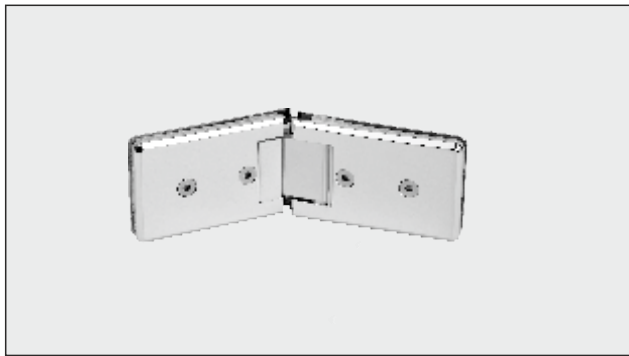


HSH-12: 90° Glass to Glass Hinge
(Self-closing from 30°)

- Tested for 100,000 cycles
- Passed 96 hours Salt spray test
- Max. Door Width: 1000 mm,
Max. Weight: 50 kg/pair
- Base material: Brass
- Finish: Bright Chrome

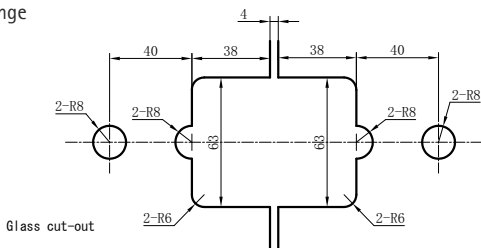


Description	Unit	Article No.	PU
HSH-12: 90° Glass to Glass Hinge (Self-closing from 30°)	Pc	9 228 302	01

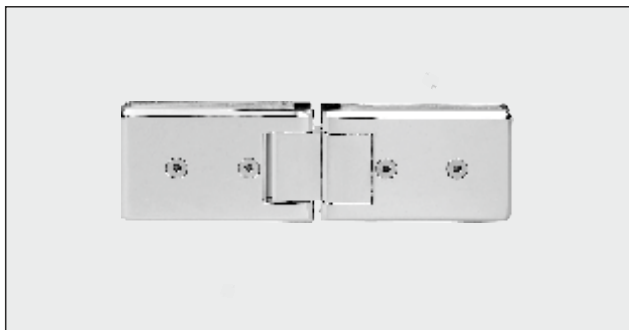


HSH-13: 135° Glass to Glass Hinge
(Self-closing from 30°)

- Tested for 100,000 cycles
- Passed 96 hours Salt spray test
- Max. Door Width: 1000 mm,
Max. Weight: 50 kg/pair
- Base material: Brass
- Finish: Bright Chrome

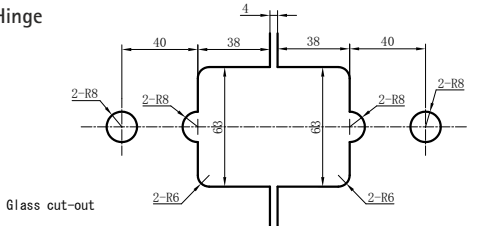


Description	Unit	Article No.	PU
HSH-13: 135° Glass to Glass Hinge (Self-closing from 30°)	Pc	9 228 303	01



HSH-14: 180° Glass to Glass Hinge
(Self-closing from 30°)

- Tested for 100,000 cycles
- Passed 96 hours Salt spray test
- Max. Door Width: 1000 mm,
Max. Weight: 50 kg/pair
- Base material: Brass
- Finish: Bright Chrome



Description	Unit	Article No.	PU
HSH-14: 180° Glass to Glass Hinge (Self-closing from 30°)	Pc	9 228 304	01

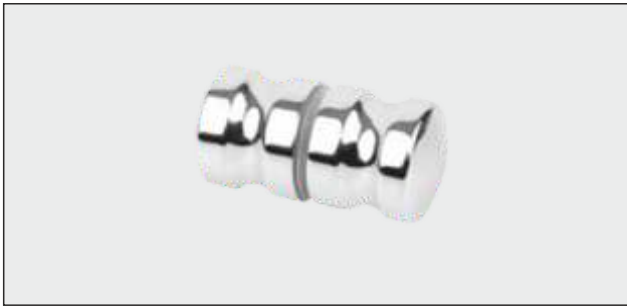
Shower Knobs (Material: Brass with Chrome plating; For 8-12 mm Glass thickness)



HGN-01: Shower Knob, Dia: 40 mm

- Passed 96 hours Salt spray test
- Base material: Brass
- Finish: Bright Chrome

Description	Unit	Article No.	PU
HGN-01: Shower Knob, Dia: 40 mm	Pc	9 228 305	01



HGN-02: Shower knob, Dia: 40 mm
▶ Passed 96 hours Salt spray test
▶ Base material: Brass
▶ Finish: Bright Chrome

Description	Unit	Article No.	PU
HGN-02: Shower knob, Dia: 40 mm	Pc	9 228 306	01



HGN-03: Shower knob, Dia: 40 mm
▶ Passed 96 hours Salt spray test
▶ Base material: Brass
▶ Finish: Bright Chrome

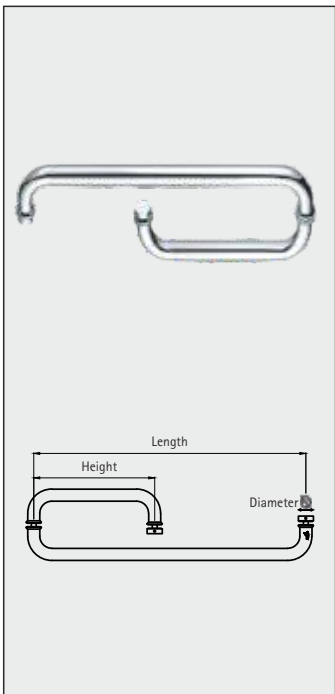
Description	Unit	Article No.	PU
HGN-03: Shower knob, Dia: 40 mm	Pc	9 228 307	01



HGN-04: Shower knob, Dia: 40 mm
▶ Passed 96 hours Salt spray test
▶ Base material: Brass
▶ Finish: Bright Chrome

Description	Unit	Article No.	PU
HGN-04: Shower knob, Dia: 40 mm	Pc	9 228 308	01

Stainless Steel Shower handles

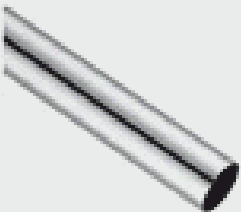


▶ Material: Stainless steel Finish: Stainless Steel Satin & Polished Stainless Steel (Bright Chrome)

S.no	Description	Finish	Unit	Article No.	PU
1	HSH 1540/20: Height 150mm, length 400mm, diameter 20mm	SS	Pc	9 228 315	01
2	HSH 1545/20: Height 150mm, length 450mm, diameter 20mm	SS	Pc	9 228 316	01
3	HSH 2040/20: Height 200mm, length 400mm, diameter 20mm	SS	Pc	9 228 317	01
4	HSH 2045/20: Height 200mm, length 450mm, diameter 20mm	SS	Pc	9 228 318	01
5	HSH 1540/25: Height 150mm, length 400mm, diameter 25mm	SS	Pc	9 228 319	01
6	HSH 1545/25: Height 150mm, length 450mm, diameter 25mm	SS	Pc	9 228 320	01
7	HSH 2040/25: Height 200mm, length 400mm, diameter 25mm	SS	Pc	9 228 321	01
8	HSH 2045/25: Height 200mm, length 450mm, diameter 25mm	SS	Pc	9 228 322	01
9	HSH 1540/20: Height 150mm, length 400mm, diameter 20mm	PSS	Pc	9 250 416	01
10	HSH 1545/20: Height 150mm, length 450mm, diameter 20mm	PSS	Pc	9 250 417	01
11	HSH 2040/20: Height 200mm, length 400mm, diameter 20mm	PSS	Pc	9 250 418	01
12	HSH 2045/20: Height 200mm, length 450mm, diameter 20mm	PSS	Pc	9 250 419	01
13	HSH 1540/25: Height 150mm, length 400mm, diameter 25mm	PSS	Pc	9 250 420	01
14	HSH 1545/25: Height 150mm, length 450mm, diameter 25mm	PSS	Pc	9 250 421	01
15	HSH 2040/25: Height 200mm, length 400mm, diameter 25mm	PSS	Pc	9 250 422	01
16	HSH 2045/25: Height 200mm, length 450mm, diameter 25mm	PSS	Pc	9 250 423	01

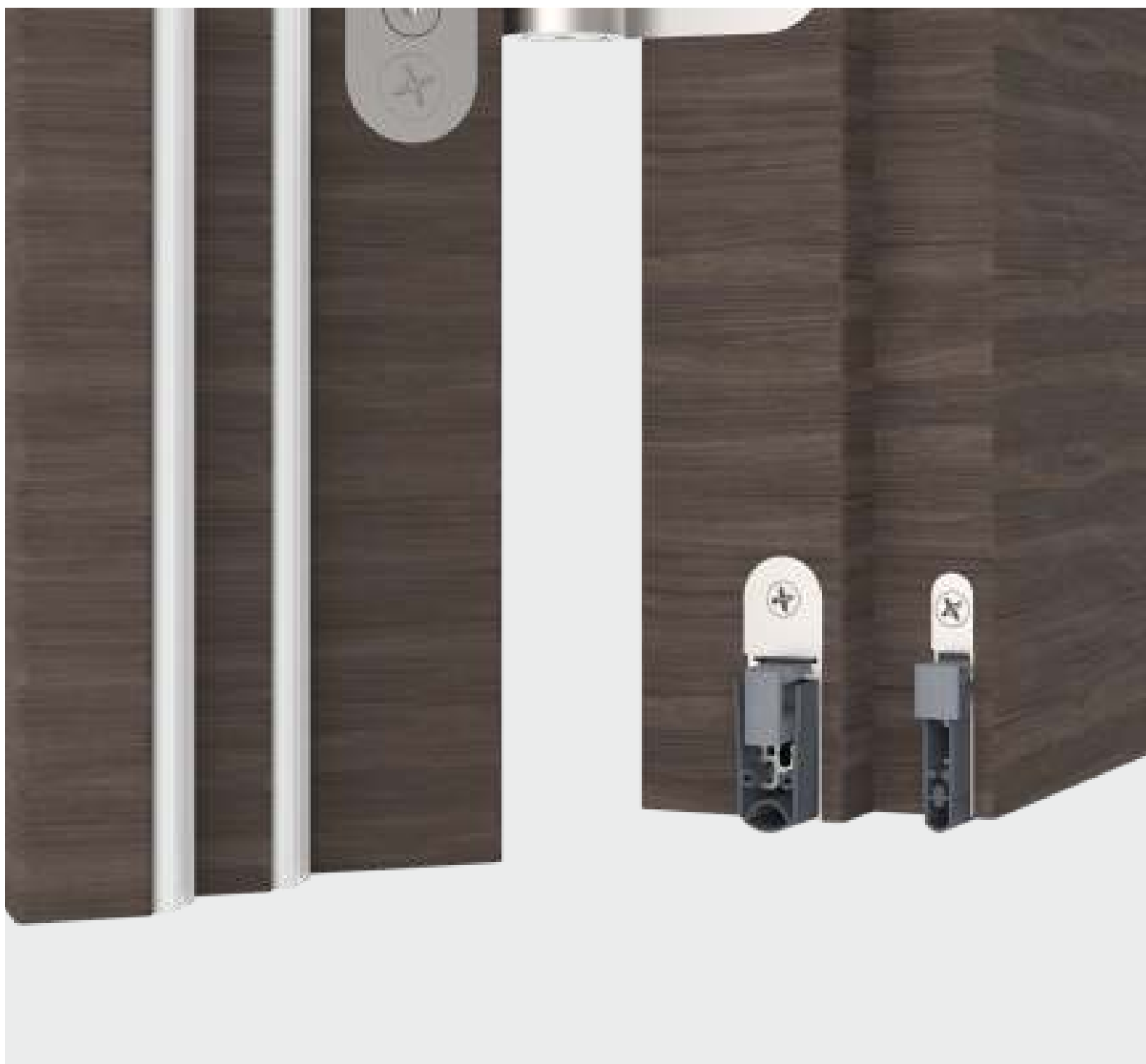
Shower Seals (Material: PVC; For 8 & 10 mm Glass thickness)				
	Wall seal for Soft Lip for Glass	Unit	Article no.	PU
	HSDS8-005: For 8 mm glass, 2400 mm length, soft whisker	Pc	9 228 440	01
	HSDS10-005: For 10 mm glass, 2400 mm length, soft whisker	Pc	9 228 445	01
	Wall and Bottom seal for Glass Extruded with water run-off plate	Unit	Article no.	PU
	HSDS8-009: For 8 mm glass, 2400 mm length, soft whisker	Pc	9 228 446	01
	HSDS10-009: For 10 mm glass, 2400 mm length, soft whisker	Pc	9 228 447	01
	Weather Seal used between Door & Side panel opposite the hinge	Unit	Article no.	PU
	HDS8-007: For 8 mm glass, 2400 mm length, soft whisker	Pc	9 228 448	01
	HDS10-007: For 10 mm glass, 2400 mm length, soft whisker	Pc	9 228 449	01
	Central Glass seal for sealing double action Door & wall	Unit	Article no.	PU
	HSDS8-001: For 8 mm glass, 2400 mm length, soft whisker	Pc	9 228 450	01
	HSDS10-001: For 10 mm glass, 2400 mm length, soft whisker	Pc	9 228 451	01
	90° Magnetic Seal	Unit	Article no.	PU
	HSDS8-90M: For 8 mm glass, 2400 mm length, soft whisker, Magnet 90°	Set	9 228 454	01
	HSDS10-90M: For 10 mm glass, 2400 mm length, soft whisker, Magnet 90°	Set	9 228 455	01
	135° Magnetic Seal	Unit	Article no.	PU
	HSDS8-180M: For 8 mm glass, 2400 mm length, soft whisker, Magnet 135°	Set	9 228 452	01
	HSDS10-180M: For 10 mm glass, 2400 mm length, soft whisker, Magnet 135°	Set	9 228 453	01
	180° Magnetic Seal	Unit	Article no.	PU
	HSDS8-180M: For 8 mm glass, 2400 mm length, soft whisker, Magnet 180°	Set	9 228 456	01
	HSDS10-180M: For 10 mm glass, 2400 mm length, soft whisker, Magnet 180°	Set	9 228 457	01

Article codes written in black are available on request.

Shower Header bar and Connecting Fittings				
	Header Bar	Unit	Article no.	PU
	HSHAC-Tube: Header Bar Length 1200 mm Diameter 19 mm Polished Stainless Steel	Pc	9 228 609	01
	HSHAC-Tube: Header Bar Length 1200 mm Diameter 19 mm Satin Stainless Steel	Pc	9 228 610	01
	HSHAC-Tube: Header Bar Length 2000 mm Diameter 19 mm Polished Stainless Steel	Pc	9 228 611	01
	HSHAC-Tube: Header Bar Length 2000 mm Diameter 19 mm Satin Stainless Steel	Pc	9 228 612	01
	HSHAC-Tube: Header Bar Length 3000 mm Diameter 19 mm Polished Stainless Steel	Pc	9 228 613	01
	HSHAC-Tube: Header Bar Length 3000 mm Diameter 19 mm Satin Stainless Steel	Pc	9 228 614	01
	Wall Support To Header Bar	Unit	Article no.	PU
	HSHAC-827: Wall Support To Header Bar Brass, For Diameter 19 mm Polished Stainless Steel	Pc	9 228 593	01
	HSHAC-827: Wall Support To Header Bar Brass, For Diameter 19 mm Satin Stainless Steel	Pc	9 228 594	01
	Glass End Connector For Header Bar	Unit	Article no.	PU
	HSHAC-826: Glass End Connector For Header Bar Brass, For Diameter 19 mm Polished Stainless Steel	Pc	9 228 595	01
	HSHAC-826: Glass End Connector For Header Bar Brass, For Diameter 19 mm Satin Stainless Steel	Pc	9 228 596	01
	Glass Middle Support For Header Bar	Unit	Article no.	PU
	HSHAC-825: Glass Middle Support For Header Bar Brass, For Diameter 19 mm Polished Stainless Steel	Pc	9 228 597	01
	HSHAC-825: Glass Middle Support For Header Bar Brass, For Diameter 19 mm Satin Stainless Steel	Pc	9 228 598	01
	90° Connector For Header Bar	Unit	Article no.	PU
	HSHAC-327: 90° Connector For Header Bar Brass, For Diameter 19 mm Polished Stainless Steel	Pc	9 228 599	01
	HSHAC-327: 90° Connector For Header Bar Brass, For Diameter 19 mm Satin Stainless Steel	Pc	9 228 600	01
	Universal connector for Header bar (With Adjustable Angle)	Unit	Article no.	PU
	HSHAC-828: Universal Rail Connector Brass, For Diameter 19 mm Polished Stainless Steel	Pc	9 228 601	01
	HSHAC-828: Universal Rail Connector Brass, For Diameter 19 mm Satin Stainless Steel	Pc	9 228 602	01

Article codes written in black are available on request.

Shower Header bar and Connecting Fittings				
	T-Connector For Header Bar	Unit	Article no.	PU
	HSHAC-831: T-Connector For Header Bar Brass, For Diameter 19 mm Polished Stainless Steel	Pc	9 228 603	01
	HSHAC-831: T-Connector For Header Bar Brass, For Diameter 19 mm Satin Stainless Steel	Pc	9 228 604	01
	Straight Connector For Header Bar	Unit	Article no.	PU
	HSHAC-832: Straight Connector For Header Bar Brass, For Diameter 19 mm Polished Stainless Steel	Pc	9 228 605	01
	HSHAC-832: Straight Connector For Header Bar Brass, For Diameter 19 mm Satin Stainless Steel	Pc	9 228 606	01
	135° Connector For Header Bar	Unit	Article no.	PU
	HSHAC-326: 135° Connector For Header Bar Brass, For Diameter 19 mm Polished Stainless Steel	Pc	9 228 607	01
	HSHAC-326: 135° Connector For Header Bar Brass, For Diameter 19 mm Satin Stainless Steel	Pc	9 228 608	01
				



Experience more comfort

Installing an automatic drop seal is always a good idea, because it noticeably increases living comfort. Its use offers reliable protection against noise and sounds, dust, dirt and unpleasant draughts.

Classification Coding System – Door Seals: EN 1634-1 (Fire Resistance Test)

► EN 1634-1 testing is evaluated as per below:

4. Fire resistance

Grade 0: Not approved for use on fire / smoke door assemblies

Grade A: Suitable for smoke door assemblies - subject to test evidence

Grade B: Suitable for fire and smoke door assemblies - based on a test in accordance with EN 1634-1

Classification Coding System – Door Seals: EN 1634-2 (Fire Resistance Characterization Test)

► EN 1634-2 testing is evaluated as per below:

4. Fire resistance

Grade 0: Not approved for use on fire / smoke door assemblies

Grade A: Suitable for smoke door assemblies - subject to test evidence

Grade B: Suitable for fire and smoke door assemblies - based on a test in accordance with EN 1634-2

Classification Coding System – Door Seals: EN 1634-3 (Smoke Control Test)

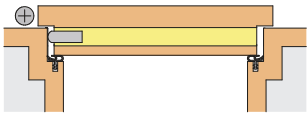
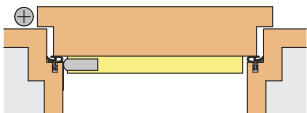
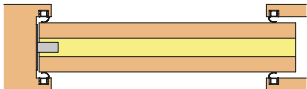
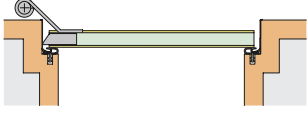
► EN 1634-3 testing is evaluated as per below:

4. Fire resistance

Grade 0: Not approved for use on fire / smoke door assemblies

Grade A: Suitable for smoke door assemblies - subject to test evidence

Grade B: Suitable for fire and smoke door assemblies - based on a test in accordance with EN 1634-3

Fixing Possibilities		Symbols	
	▶ Installation: in the groove ▶ Actuator: hinge side		Draught
	▶ Installation: in the groove ▶ Actuator: hinge side and lock side		Barrier-free access
	▶ Installation: screw-fixed to the closing surface ▶ Actuator: hinge side		Acoustic protection
	▶ Installation: in the groove ▶ Actuator: lock side		Smoke control
	▶ Installation: in the Steel/ Alu. profile ▶ Actuator: hinge side		Fire protection
	▶ Installation: on the opening surface ▶ Actuator: hinge side		Low actuation forces
	▶ Installation: under the door leaf ▶ Actuator: hinge side		Downpour-proof/ w-proof
			Thermal insulation
			Radiation protection
			Moisture proof
			Secondary closing edge / opening face
			Secondary closing edge / adjacent closing face

Compression Perimeter Seals

Perimeter seals have become an integral part of the design of new buildings and the upgrade of existing one. Noise is becoming an increasing environmental issue to the extent that Building Regulations now require minimum sound attenuating performances for some locations. The door must be sealed top and bottom together with each side as sound is airborne and will permeate through any space air can. The perimeter seal works by filling the air gaps that create sound leakage around the head and jambs of the door set, this also prevents smoke, light and dust.

Product Image	Product Name	Description (Height x Width)	Unit	Article no.	PU
	HSQ1-40E	D-shape Door Seal 8.5*4.2 mm, 300 metre/box Dark Brown	Box	9 228 359	01
	HSQ1-40E	D-shape Door Seal 8.5*4.2 mm, 300 metre/box White	Box	9 228 635	01
	HSQ1-40E	D-shape Door Seal 8.5*4.2 mm, 300 metre/box Cherry	Box	9 228 656	01
	HSQ1-40E	D-shape Door Seal 8.5*4.2 mm, 300 metre/box Light Yellow	Box	9 228 680	01
	HSQ1-84E	D-shape Door Seal 10*5 mm, 250 metre/box Dark Brown	Box	9 228 360	01
	HSQ1-84E	D-shape Door Seal 10*5 mm, 250 metre/box White	Box	9 228 636	01
	HSQ1-84E	D-shape Door Seal 10*5 mm, 250 metre/box Cherry	Box	9 228 657	01
	HSQ1-84E	D-shape Door Seal 10*5 mm, 250 metre/box Light Yellow	Box	9 228 681	01
	HSQ1-47E	Wedge Shape Door Seal 10*5 mm, 250 metre/box Dark Brown	Box	9 228 361	01
	HSQ1-47E	Wedge Shape Door Seal 10*5 mm, 250 metre/box White	Box	9 228 637	01
	HSQ1-47E	Wedge Shape Door Seal 10*5 mm, 250 metre/box Cherry	Box	9 228 658	01
	HSQ1-47E	Wedge Shape Door Seal 10*5 mm, 250 metre/box Light Yellow	Box	9 228 682	01
	HSQ1-49E-120	Wedge Shape Door Seal 12*6 mm, 150 metre/box Dark Brown	Box	9 228 362	01
	HSQ1-49E-120	Wedge Shape Door Seal 12*6 mm, 150 metre/box White	Box	9 228 638	01
	HSQ1-49E-120	Wedge Shape Door Seal 12*6 mm, 150 metre/box Cherry	Box	9 228 659	01
	HSQ1-49E-120	Wedge Shape Door Seal 12*6 mm, 150 metre/box Light Yellow	Box	9 228 683	01
	HSQ1-RC01E	Wedge Shape Door Seal 10*4.5 mm, 150 metre/box Dark Brown	Box	9 228 363	01
	HSQ1-RC01E	Wedge Shape Door Seal 10*4.5 mm, 150 metre/box White	Box	9 228 463	01
	HSQ1-RC01E	Wedge Shape Door Seal 10*4.5 mm, 150 metre/box Cherry	Box	9 228 660	01
	HSQ1-RC01E	Wedge Shape Door Seal 10*4.5 mm, 150 metre/box Light Yellow	Box	9 228 684	01
	HSQ1-36	D-shape Door Seal 7.8*3.9 mm, 300 metre/box Dark Brown	Box	9 228 364	01
	HSQ1-36	D-shape Door Seal 7.8*3.9 mm, 300 metre/box White	Box	9 228 639	01
	HSQ1-36	D-shape Door Seal 7.8*3.9 mm, 300 metre/box Cherry	Box	9 228 661	01
	HSQ1-36	D-shape Door Seal 7.8*3.9 mm, 300 metre/box Light yellow	Box	9 228 685	01
	HSQ1-06	D-shape Door Seal 8.5*5 mm, 300 metre/box Dark Brown	Box	9 228 365	01
	HSQ1-06	D-shape Door Seal 8.5*5 mm, 300 metre/box White	Box	9 228 640	01
	HSQ1-06	D-shape Door Seal 8.5*5 mm, 300 metre/box Cherry	Box	9 228 662	01
	HSQ1-06	D-shape Door Seal 8.5*5 mm, 300 metre/box Light yellow	Box	9 228 686	01
	HSQ1-24	D-shape Door Seal 8.5*7 mm, 200 metre/box Dark Brown	Box	9 228 366	01
	HSQ1-24	D-shape Door Seal 8.5*7 mm, 200 metre/box White	Box	9 228 641	01
	HSQ1-24	D-shape Door Seal 8.5*7 mm, 200 metre/box Cherry	Box	9 228 663	01
	HSQ1-24	D-shape Door Seal 8.5*7 mm, 200 metre/box Light yellow	Box	9 228 687	01
	HSQ1-10	D-shape Door Seal 11.8*5.5 mm, 200 metre/box Dark Brown	Box	9 228 367	01
	HSQ1-10	D-shape Door Seal 11.8*5.5 mm, 200 metre/box White	Box	9 228 642	01
	HSQ1-10	D-shape Door Seal 11.8*5.5 mm, 200 metre/box Cherry	Box	9 228 664	01
	HSQ1-10	D-shape Door Seal 11.8*5.5 mm, 200 metre/box Light yellow	Box	9 228 688	01
	HSQ1-38	D-shape Door Seal 9*4.5 mm, 300 metre/box Dark Brown	Box	9 228 368	01
	HSQ1-38	D-shape Door Seal 9*4.5 mm, 300 metre/box White	Box	9 228 643	01
	HSQ1-38	D-shape Door Seal 9*4.5 mm, 300 metre/box Cherry	Box	9 228 665	01
	HSQ1-38	D-shape Door Seal 9*4.5 mm, 300 metre/box Light Yellow	Box	9 228 689	01
	HSQ1-38-100	D-shape Door Seal 10*5 mm, 250 metre/box Dark Brown	Box	9 228 369	01
	HSQ1-38-100	D-shape Door Seal 10*5 mm, 250 metre/box White	Box	9 228 644	01
	HSQ1-38-100	D-shape Door Seal 10*5 mm, 250 metre/box Cherry	Box	9 228 666	01
	HSQ1-38-100	D-shape Door Seal 10*5 mm, 250 metre/box Light Yellow	Box	9 228 690	01

■ Dark Brown □ White ■ Cherry ■ Light Yellow

Article codes written in black are available on request.

Compression Perimeter Seals

Product Image	Product Name	Description (Height x Width)	Unit	Article no.	PU
	HSQ1-37	D-shape Door Seal 8.5*4.2 mm, 300 metre/box Dark Brown	Box	9 228 370	01
	HSQ1-37	D-shape Door Seal 8.5*4.2 mm, 300 metre/box White	Box	9 228 645	01
	HSQ1-37	D-shape Door Seal 8.5*4.2 mm, 300 metre/box Cherry	Box	9 228 667	01
	HSQ1-37	D-shape Door Seal 8.5*4.2 mm, 300 metre/box Light Yellow	Box	9 228 691	01
	HSQ1-25-100	Wedge Shape Door Seal 10*5 mm, 250 metre/box Dark Brown	Box	9 228 371	01
	HSQ1-25-100	Wedge Shape Door Seal 10*5 mm, 250 metre/box White	Box	9 228 646	01
	HSQ1-25-100	Wedge Shape Door Seal 10*5 mm, 250 metre/box Cherry	Box	9 228 668	01
	HSQ1-25-100	Wedge Shape Door Seal 10*5 mm, 250 metre/box Light Yellow	Box	9 228 692	01
	HSQ1-25-120	Wedge Shape Door Seal 12*6mm, 200metre/box Dark Brown	Box	9 228 372	01
	HSQ1-25-120	Wedge Shape Door Seal 12*6mm, 200metre/box White	Box	9 228 647	01
	HSQ1-25-120	Wedge Shape Door Seal 12*6mm, 200metre/box Cherry	Box	9 228 669	01
	HSQ1-25-120	Wedge Shape Door Seal 12*6mm, 200metre/box Light Yellow	Box	9 228 693	01
	HSQ1-22	Wedge Shape Door Seal 10*6.5 mm, 200 metre/box Dark Brown	Box	9 228 373	01
	HSQ1-22	Wedge Shape Door Seal 10*6.5 mm, 200 metre/box White	Box	9 228 648	01
	HSQ1-22	Wedge Shape Door Seal 10*6.5 mm, 200 metre/box Cherry	Box	9 228 670	01
	HSQ1-22	Wedge Shape Door Seal 10*6.5 mm, 200 metre/box Light Yellow	Box	9 228 694	01
	HSQ1-17	Wedge Shape Door Seal 12*8 mm, 150 metre/box Dark Brown	Box	9 228 374	01
	HSQ1-17	Wedge Shape Door Seal 12*8 mm, 150 metre/box White	Box	9 228 649	01
	HSQ1-17	Wedge Shape Door Seal 12*8 mm, 150 metre/box Cherry	Box	9 228 671	01
	HSQ1-17	Wedge Shape Door Seal 12*8 mm, 150 metre/box Light Yellow	Box	9 228 695	01
	HSQ1-73	Wedge Shape Door Seal 15*7 mm, 150 metre/box Dark Brown	Box	9 228 375	01
	HSQ1-73	Wedge Shape Door Seal 15*7 mm, 150 metre/box White	Box	9 228 650	01
	HSQ1-73	Wedge Shape Door Seal 15*7 mm, 150 metre/box Cherry	Box	9 228 672	01
	HSQ1-73	Wedge Shape Door Seal 15*7 mm, 150 metre/box Light Yellow	Box	9 228 696	01

Self Adhesive Seals

	HSQ1-11	E- shape Adhesive Seal 9*3.5 mm, 50 metre/box Dark Brown	Box	9 228 376	01
	HSQ1-11	E- shape Adhesive Seal 9*3.5 mm, 50 metre/box White	Box	9 228 462	01
	HSQ1-11	E- shape Adhesive Seal 9*3.5 mm, 50 metre/box Cherry	Box	9 228 673	01
	HSQ1-11	E- shape Adhesive Seal 9*3.5 mm, 50 metre/box Light Yellow	Box	9 228 697	01
	HSQ1-12	D-Shape Adhesive Seal 11.8*5.5 mm, 50 metre/box Dark Brown	Box	9 228 377	01
	HSQ1-12	D-Shape Adhesive Seal 11.8*5.5 mm, 50 metre/box White	Box	9 228 651	01
	HSQ1-12	D-Shape Adhesive Seal 11.8*5.5 mm, 50 metre/box Cherry	Box	9 228 674	01
	HSQ1-12	D-Shape Adhesive Seal 11.8*5.5 mm, 50 metre/box Light Yellow	Box	9 228 698	01
	HSQ1-26	D-Shape Adhesive Seal 9*4.5 mm, 50 metre/box Dark Brown	Box	9 228 378	01
	HSQ1-26	D-Shape Adhesive Seal 9*4.5 mm, 50 metre/box White	Box	9 228 461	01
	HSQ1-26	D-Shape Adhesive Seal 9*4.5 mm, 50 metre/box Cherry	Box	9 228 675	01
	HSQ1-26	D-Shape Adhesive Seal 9*4.5 mm, 50 metre/box Light Yellow	Box	9 228 699	01

Ornamental Seals

	HSQ1-28	Door Ornamental Seal 7.5*4.7 mm, 400pcs/box, 2.44 m/pcs Dark Brown	Box	9 228 379	01
	HSQ1-28	Door Ornamental Seal 7.5*4.7 mm, 400pcs/box, 2.44 m/pcs White	Box	9 228 652	01
	HSQ1-28	Door Ornamental Seal 7.5*4.7 mm, 400pcs/box, 2.44 m/pcs Cherry	Box	9 228 676	01
	HSQ1-28	Door Ornamental Seal 7.5*4.7 mm, 400pcs/box, 2.44 m/pcs Light yellow	Box	9 228 700	01
	HSQ1-45	Door Ornamental Seal 9*3mm, 400pcs/box, 2.44m/pcs Dark Brown	Box	9 228 380	01
	HSQ1-45	Door Ornamental Seal 9*3mm, 400pcs/box, 2.44m/pcs White	Box	9 228 653	01
	HSQ1-45	Door Ornamental Seal 9*3mm, 400pcs/box, 2.44m/pcs Cherry	Box	9 228 677	01
	HSQ1-45	Door Ornamental Seal 9*3mm, 400pcs/box, 2.44m/pcs Light Yellow	Box	9 228 701	01

■ Dark Brown
 ■ White
 ■ Cherry
 ■ Light Yellow

Article codes written in black are available on request.

Regular Automatic Drop Bottom seals

► For wooden & steel doors



Ornamental Seals

Product Image	Product Name	Description (Height x Width)	Unit	Article no.	PU
	HSQ1-54	Door Ornamental Seal 9.2*1.05 mm, 400 pcs/box, 2.44m/pcs Dark Brown	Box	9 228 381	01
	HSQ1-54	Door Ornamental Seal 9.2*1.05 mm, 400 pcs/box, 2.44m/pcs White	Box	9 228 654	01
	HSQ1-54	Door Ornamental Seal 9.2*1.05 mm, 400 pcs/box, 2.44m/pcs Cherry	Box	9 228 678	01
	HSQ1-54	Door Ornamental Seal 9.2*1.05 mm, 400 pcs/box, 2.44m/pcs Light Yellow	Box	9 228 702	01
	HSQ1-56	Door Ornamental Seal 5.1*1.1 mm, 600 pcs/box, 2.44m/pcs Dark Brown	Box	9 228 382	01
	HSQ1-56	Door Ornamental Seal 5.1*1.1 mm, 600 pcs/box, 2.44m/pcs White	Box	9 228 655	01
	HSQ1-56	Door Ornamental Seal 5.1*1.1 mm, 600 pcs/box, 2.44m/pcs Cherry	Box	9 228 679	01
	HSQ1-56	Door Ornamental Seal 5.1*1.1 mm, 600 pcs/box, 2.44m/pcs Light Yellow	Box	9 228 703	01

Automatic drop bottom seal



HDS D1 Automatic drop seal for wooden doors

- Operation stroke: 5 - 18 mm (Optimum 12 mm)
- DIN left/right usable
- Finishes: Aluminum colour

- Prevent dust, mosquito light penetration, noise reduction
- Prevent heating/ Air-conditioning spill over
- Tested for 1,00,000 cycles
- Material button: Copper || Dust bar: Rubber & Plastic

S.no	Product name	Size (Cross Section)	Length (min-max)	Unit	Article No.	PU
1	HDSD1-500	31 x 15 mm	340 - 500 mm	Pc	9 250 602	01
2	HDSD1-650	31 x 15 mm	500 - 650 mm	Pc	9 250 603	01
3	HDSD1-850	31 x 15 mm	650 - 850 mm	Pc	9 250 604	01
4	HDSD1-1000	31 x 15 mm	850 - 1000 mm	Pc	9 250 605	01
5	HDSD1-1200	31 x 15 mm	1000 - 1200 mm	Pc	9 250 606	01
6	HDSD1-1350	31 x 15 mm	1200 - 1350 mm	Pc	9 250 570	01
7	HDSD1-1500	31 x 15 mm	1350 - 1500 mm	Pc	9 250 571	01



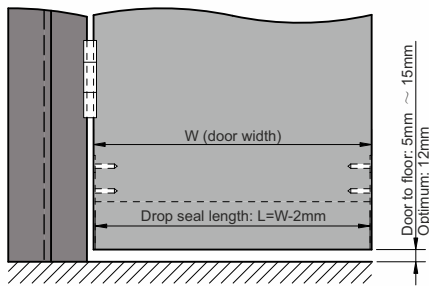
HDS D2 Automatic drop seal for profile frame doors

- Operation stroke: 5 - 18 mm (Optimum 12 mm)
- DIN left/right usable
- Finishes: Aluminum colour

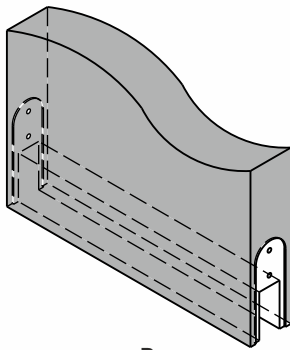
- Prevent dust, mosquito light penetration, noise reduction
- Prevent heating/ Air-conditioning spill over
- Tested for 1,00,000 cycles
- Material button: Copper || Dust bar: Rubber & Plastic

S.no	Product name	Size (Cross Section)	Length (min-max)	Unit	Article No.	PU
1	HDSD2-500	31 x 15 x 34.5 mm	340 - 500 mm	Pc	9 250 572	01
2	HDSD2-650	31 x 15 x 34.5 mm	500 - 650 mm	Pc	9 250 573	01
3	HDSD2-850	31 x 15 x 34.5 mm	650 - 850 mm	Pc	9 250 574	01
4	HDSD2-1000	31 x 15 x 34.5 mm	850 - 1000 mm	Pc	9 250 575	01
5	HDSD2-1200	31 x 15 x 34.5 mm	1000 - 1200 mm	Pc	9 250 589	01
6	HDSD2-1350	31 x 15 x 34.5 mm	1200 - 1350 mm	Pc	9 250 590	01
7	HDSD2-1500	31 x 15 x 34.5 mm	1350 - 1500 mm	Pc	9 250 591	01

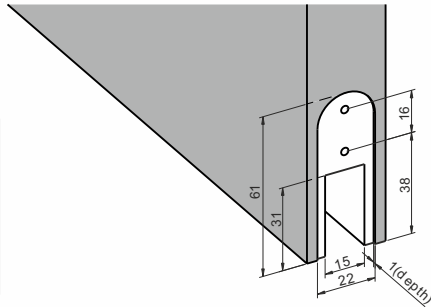
Automatic drop seal cutouts



A



B



C

■ Dark Brown □ White ■ Cherry ■ Light Yellow

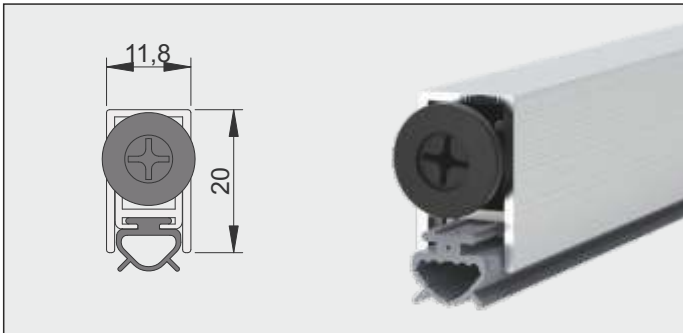
Article codes written in black are available on request.

Advanced Automatic Drop Bottom seals

► For wooden doors



HM5C (Concealed)

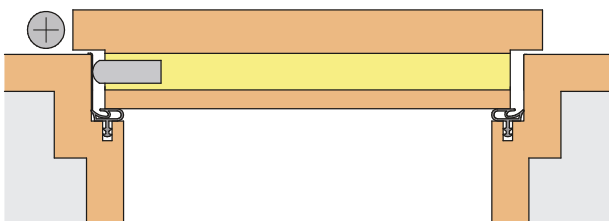


Features:

- Barrier-free Access: Lightweight operation
- Small installation dimensions
- Long-term durability tested with 200,000 test cycles
- Acoustic in Nature- Sound-proofing capacity:
 - 35 dB with 5 mm sealing height
 - 33 dB with 10 mm sealing height

Technical details:

- Groove width: 12 x 20 mm
- Actuation: Single actuation
- Sealing profile material: TPE
- Maximum travel: 12 mm
- Standard lengths: 708, 833, 958, 1083, 1208, 1333, 1458, 1583 mm
- Can be shortened by: 150 mm



- Installation: in the groove
- Actuator: hinge side

S.no.	Description	Unit	Article No.	PU
1	HM5C: Single Actuation Drop Seal, Length-708 mm	Set	9 251 131	01
2	HM5C: Single Actuation Drop Seal, Length-833 mm	Set	9 251 132	01
3	HM5C: Single Actuation Drop Seal, Length-958 mm	Set	9 251 133	01
4	HM5C: Single Actuation Drop Seal, Length-1083 mm	Set	9 251 134	01
5	HM5C: Single Actuation Drop Seal, Length-1208 mm	Set	9 251 135	01
6	HM5C: Single Actuation Drop Seal, Length-1333 mm	Set	9 251 136	01
7	HM5C: Single Actuation Drop Seal, Length-1458 mm	Set	9 251 137	01
8	HM5C: Single Actuation Drop Seal, Length-1583 mm	Set	9 251 138	01

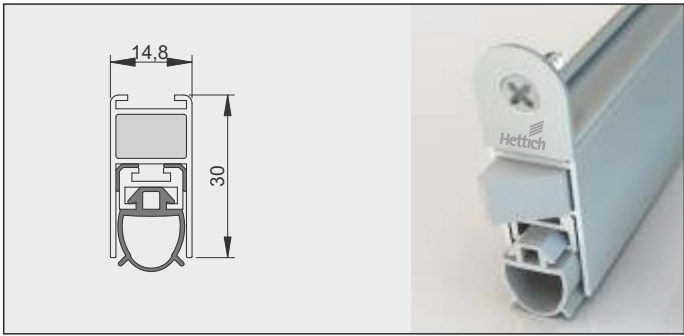


Advanced Automatic Drop Bottom seals

► For wooden doors



HM1BH (Concealed)

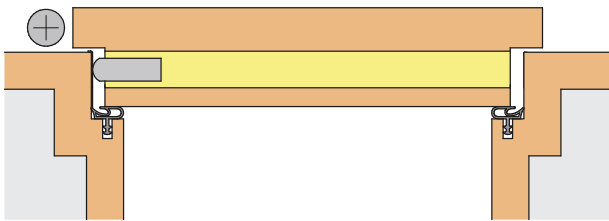


Features:

- Barrier-free Access: Light weight Operation
- Acoustic in Nature - Sound-proofing capacity:
 - 45 dB with 5 mm sealing height
 - 42 dB with 10 mm sealing height
- Smoke-proofing capacity in accordance with DIN18095
- Fire-proofing capacity in accordance with DIN4102
- Fire Rated for 60 Min

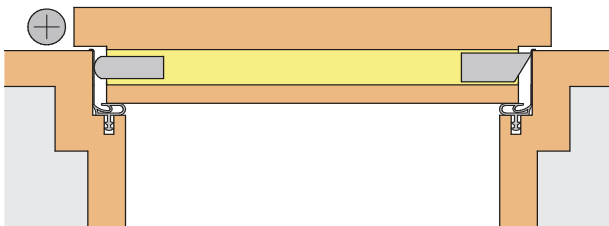
Technical details:

- Groove width: 15 x 30 mm
- Actuation: Double | Single Actuation
- Sealing profile material: Self-extinguishing-silicone
- Maximum travel: 11 mm
- Standard lengths: 708, 833, 958, 1083, 1208, 1333, 1458, 1583 mm
- Can be shortened by: 125 mm



- Installation: in the groove
- Actuator: hinge side

S.no.	Description	Unit	Article No.	PU
1	HM1BH: Single Actuation, Self Extinguishing Drop Seal, Length-708 mm	Set	9 251 155	01
2	HM1BH: Single Actuation, Self Extinguishing Drop Seal, Length-833 mm	Set	9 251 156	01
3	HM1BH: Single Actuation, Self Extinguishing Drop Seal, Length-958 mm	Set	9 251 157	01
4	HM1BH: Single Actuation, Self Extinguishing Drop Seal, Length-1083 mm	Set	9 251 158	01
5	HM1BH: Single Actuation, Self Extinguishing Drop Seal, Length-1208 mm	Set	9 251 159	01
6	HM1BH: Single Actuation, Self Extinguishing Drop Seal, Length-1333 mm	Set	9 251 160	01
7	HM1BH: Single Actuation, Self Extinguishing Drop Seal, Length-1458 mm	Set	9 251 161	01
8	HM1BH: Single Actuation, Self Extinguishing Drop Seal, Length-1583 mm	Set	9 251 162	01



- Installation: in the groove
- Actuator: hinge side and lock side

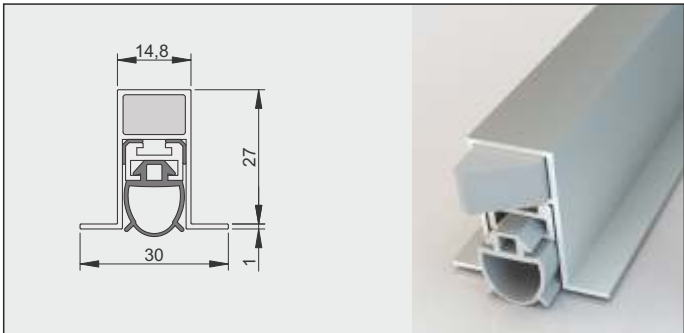
S.no.	Description	Unit	Article No.	PU
1	HM1BH: Double Actuation, Self Extinguishing Drop Seal, Length-708 mm	Set	9 251 163	01
2	HM1BH: Double Actuation, Self Extinguishing Drop Seal, Length-833 mm	Set	9 251 164	01
3	HM1BH: Double Actuation, Self Extinguishing Drop Seal, Length-958 mm	Set	9 251 165	01
4	HM1BH: Double Actuation, Self Extinguishing Drop Seal, Length-1083 mm	Set	9 251 166	01
5	HM1BH: Double Actuation, Self Extinguishing Drop Seal, Length-1208 mm	Set	9 251 167	01
6	HM1BH: Double Actuation, Self Extinguishing Drop Seal, Length-1333 mm	Set	9 251 168	01
7	HM1BH: Double Actuation, Self Extinguishing Drop Seal, Length-1458 mm	Set	9 251 169	01
8	HM1BH: Double Actuation, Self Extinguishing Drop Seal, Length-1583 mm	Set	9 251 170	01

Advanced Automatic Drop Bottom seals

► For wooden doors



HM1DH (Concealed)

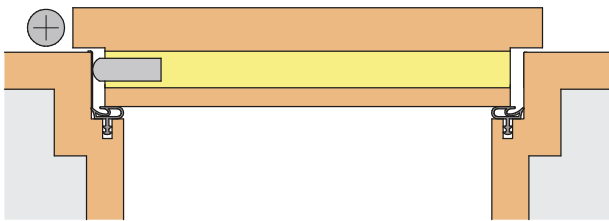


Features:

- Barrier-free Access: Light weight Operation
- Acoustic in Nature - Sound-proofing capacity:
 - 45 dB with 5 mm sealing height
 - 42 dB with 10 mm sealing height
- Smoke-proofing capacity in accordance with DIN18095
- Fire-proofing capacity in accordance with DIN4102
- Fire Rated for 60 Min

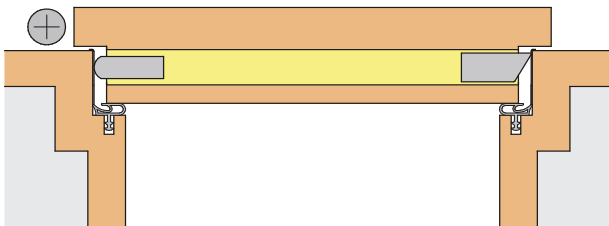
Technical details:

- Groove width: 15 x 27 mm
- Actuation: Double | Single Actuation
- Sealing profile material: Self-extinguishing-silicone
- Maximum travel: 11 mm
- Standard lengths: 708, 833, 958, 1083, 1208, 1333, 1458, 1583 mm
- Can be shortened by: 125 mm



- Installation: in the groove
- Actuator: hinge side

S.no.	Description	Unit	Article No.	PU
1	HM1DH: Single Actuation, Self Extinguishing Drop Seal, Length-708 mm	Set	9 251 139	01
2	HM1DH: Single Actuation, Self Extinguishing Drop Seal, Length-833 mm	Set	9 251 140	01
3	HM1DH: Single Actuation, Self Extinguishing Drop Seal, Length-958 mm	Set	9 251 141	01
4	HM1DH: Single Actuation, Self Extinguishing Drop Seal, Length-1083 mm	Set	9 251 142	01
5	HM1DH: Single Actuation, Self Extinguishing Drop Seal, Length-1208 mm	Set	9 251 143	01
6	HM1DH: Single Actuation, Self Extinguishing Drop Seal, Length-1333 mm	Set	9 251 144	01
7	HM1DH: Single Actuation, Self Extinguishing Drop Seal, Length-1458 mm	Set	9 251 145	01
8	HM1DH: Single Actuation, Self Extinguishing Drop Seal, Length-1583 mm	Set	9 251 146	01



- Installation: in the groove
- Actuator: hinge side and lock side

S.no.	Description	Unit	Article No.	PU
1	HM1DH: Double Actuation, Self Extinguishing Drop Seal, Length-708 mm	Set	9 251 147	01
2	HM1DH: Double Actuation, Self Extinguishing Drop Seal, Length-833 mm	Set	9 251 148	01
3	HM1DH: Double Actuation, Self Extinguishing Drop Seal, Length-958 mm	Set	9 251 149	01
4	HM1DH: Double Actuation, Self Extinguishing Drop Seal, Length-1083 mm	Set	9 251 150	01
5	HM1DH: Double Actuation, Self Extinguishing Drop Seal, Length-1208 mm	Set	9 251 151	01
6	HM1DH: Double Actuation, Self Extinguishing Drop Seal, Length-1333 mm	Set	9 251 152	01
7	HM1DH: Double Actuation, Self Extinguishing Drop Seal, Length-1458 mm	Set	9 251 153	01
8	HM1DH: Double Actuation, Self Extinguishing Drop Seal, Length-1583 mm	Set	9 251 154	01

Advanced Automatic Drop Bottom seals

► For wooden doors



HM7 (Retrofit)



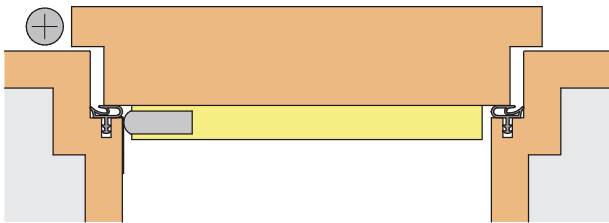
Features:

- Barrier-free Access: Lightweight operation
- For Retrofitting on existing Wooden Doors
- Long-term durability tested with 200,000 test cycles
- Acoustic in Nature- Sound-proofing capacity:
 - 35 dB with 5 mm sealing height (highlight in Red)
 - 33 dB with 10 mm sealing height (highlight in Red)
- Slim Design with a width of only 13 mm
- Finish: Silver Anodized



Technical details:

- Size: 13 x 49 mm
- Actuation: Single Actuation
- Sealing profile material: TPE
- Maximum travel: 15 mm
- Standard lengths: 708, 833, 958, 1083, 1208, 1333, 1458, 1583 mm
- Can be shortened by: 125 mm



- Installation: screw-fixed to the closing surface
- Actuator: hinge side

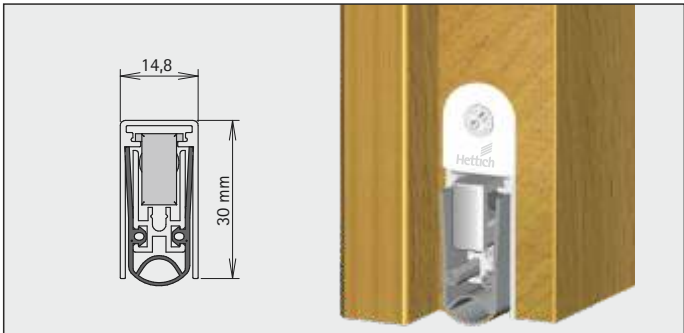
S.no.	Description	Unit	Article No.	PU
1	HM7: Single Actuation, Retrofitted Drop Seal for Wooden door, Length-708 mm	Set	9 251 171	01
2	HM7: Single Actuation, Retrofitted Drop Seal for Wooden door, Length-833 mm	Set	9 251 172	01
3	HM7: Single Actuation, Retrofitted Drop Seal for Wooden door, Length-958 mm	Set	9 251 173	01
4	HM7: Single Actuation, Retrofitted Drop Seal for Wooden door, Length-1083 mm	Set	9 251 174	01
5	HM7: Single Actuation, Retrofitted Drop Seal for Wooden door, Length-1208 mm	Set	9 251 175	01
6	HM7: Single Actuation, Retrofitted Drop Seal for Wooden door, Length-1333 mm	Set	9 251 176	01
7	HM7: Single Actuation, Retrofitted Drop Seal for Wooden door, Length-1458 mm	Set	9 251 177	01
8	HM7: Single Actuation, Retrofitted Drop Seal for Wooden door, Length-1583 mm	Set	9 251 178	01

Advanced Automatic Drop Bottom Seals

► For wooden doors (Schall range)



L-15/30 WS (Concealed)

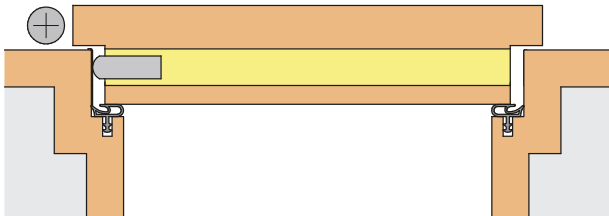


Features:

- Barrier-free Access: Light weight Operation
- Unrivalled sound reduction values: 52 dB with 7 mm sealing height
- For High Sealing heights up to 20 mm
- Sturdy inner mechanical parts with parallel actuation and optimum floor level adjustment
- Clip-on sliding actuator for safe start-up
- Tool less adjustment of Seal
- Quicker installation, since no need for press plate installation
- Smoke-proofing capacity in accordance with DIN18095
- Fire-proofing capacity in accordance with DIN4102
- Fire Rated for 60 Min

Technical details:

- Groove size: 15 x 30 mm
- Actuation: Single Actuation
- Sealing profile material: Silicone, self-extinguishing
- Maximum travel: 20 mm
- Standard lengths: 708, 833, 958, 1083, 1208, 1333, 1458, 1583 mm
- Can be shortened by: 125 mm



- Installation: in the groove
- Actuator: hinge side

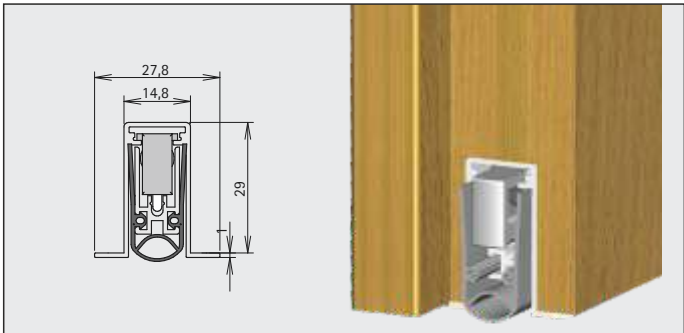
S.no.	Description	Unit	Article No.	PU
1	HSchall Ex L-15/30 WS: Single Actuation Self Extinguishing Acoustic Drop seal, Length-708 mm	Set	9 251 179	01
2	HSchall Ex L-15/30 WS: Single Actuation Self Extinguishing Acoustic Drop seal, Length-833 mm	Set	9 251 180	01
3	HSchall Ex L-15/30 WS: Single Actuation Self Extinguishing Acoustic Drop seal, Length-958 mm	Set	9 251 181	01
4	HSchall Ex L-15/30 WS: Single Actuation Self Extinguishing Acoustic Drop seal, Length-1083 mm	Set	9 251 182	01
5	HSchall Ex L-15/30 WS: Single Actuation Self Extinguishing Acoustic Drop seal, Length-1208 mm	Set	9 251 183	01
6	HSchall Ex L-15/30 WS: Single Actuation Self Extinguishing Acoustic Drop seal, Length-1333 mm	Set	9 251 184	01
7	HSchall Ex L-15/30 WS: Single Actuation Self Extinguishing Acoustic Drop seal, Length-1458 mm	Set	9 251 185	01
8	HSchall Ex L-15/30 WS: Single Actuation Self Extinguishing Acoustic Drop seal, Length-1583 mm	Set	9 251 186	01

Advanced Automatic Drop Bottom seals

► For wooden doors (Schall range)



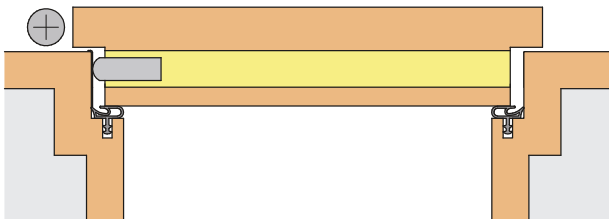
L-15/30 OS (Concealed)



- Features:**
- Unrivalled sound reduction values: 52 dB with 7 mm sealing height
 - For sealing heights up to 20 mm
 - Increased geometrical stability in the rebate area of the door
 - Optimal corner connection
 - Easy handling with shortened seal length
 - Sturdy inner mechanical parts with parallel actuation and optimum floor level adjustment
 - Clip-on sliding actuator for safe launch of operation
 - Tool less adjustment of Seal
 - Quicker installation, since no need for press plate installation
 - Can be screw-fixed to lower door surface
 - Smoke-proofing capacity in accordance with DIN18095
 - Fire-proofing capacity in accordance with DIN4102
 - Fire Rated for 60 Min



- Technical details:**
- Groove width: 15 mm
 - Actuation: Single Actuation
 - Sealing profile material: Silicone, self-extinguishing
 - Maximum travel: 20 mm
 - Standard lengths: 708, 833, 958, 1083, 1208, 1333, 1458, 1583 mm
 - Can be shortened by: 125 mm



- Installation: in the groove
- Actuator: hinge side

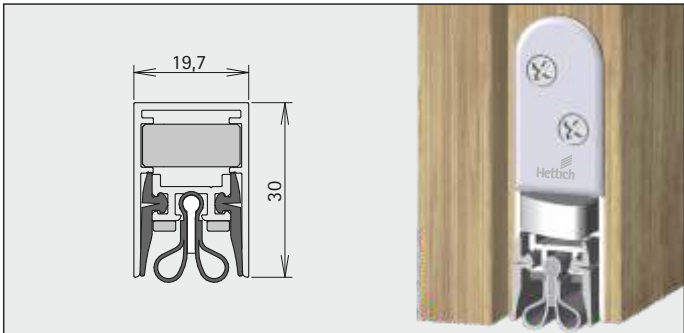
S.no.	Description	Unit	Article No.	PU
1	HSchall Ex L-15/30 OS: Single Actuation Self Extinguishing Acoustic Drop seal, Length-708 mm	Set	9 251 187	01
2	HSchall Ex L-15/30 OS: Single Actuation Self Extinguishing Acoustic Drop seal, Length-833 mm	Set	9 251 188	01
3	HSchall Ex L-15/30 OS: Single Actuation Self Extinguishing Acoustic Drop seal, Length-958 mm	Set	9 251 189	01
4	HSchall Ex L-15/30 OS: Single Actuation Self Extinguishing Acoustic Drop seal, Length-1083 mm	Set	9 251 190	01
5	Hschall Ex L-15/30 OS: Single Actuation Self Extinguishing Acoustic Drop seal, Length-1208 mm	Set	9 251 191	01
6	Hschall Ex L-15/30 OS: Single Actuation Self Extinguishing Acoustic Drop seal, Length-1333 mm	Set	9 251 192	01
7	Hschall Ex L-15/30 OS: Single Actuation Self Extinguishing Acoustic Drop seal, Length-1458 mm	Set	9 251 193	01
8	Hschall Ex L-15/30 OS: Single Actuation Self Extinguishing Acoustic Drop seal, Length-1583 mm	Set	9 251 194	01

Advanced Automatic Drop Bottom Seals

► For wooden doors (Schall range)



Radiation Protection WS BD (Concealed)

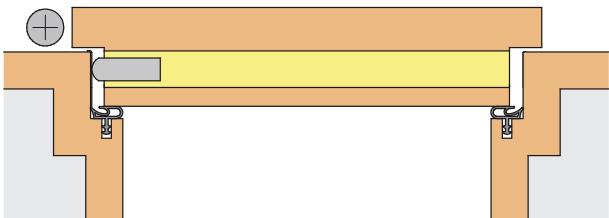


Features:

- Unrivalled sound reduction values: 50 dB with 7 mm sealing height
- For radiation protection doors with fire protection requirements
- Suitable for use with radiation protection doors in accordance with DIN 6834
- Automatic height and level compensation
- Self-adjusting with overload protection
- Sturdy inner mechanical parts with parallel actuation and optimum floor level adjustment

Technical details:

- Groove size: 20 x 30 mm
- Actuation: Double | Single Actuation
- Sealing profile material: Silicone, Self-extinguishing, Lead rubber
- Maximum travel: 12 mm
- Standard lengths: 708, 833, 958, 1083, 1208, 1333, 1458, 1583 mm
- Can be shortened by: 125 mm



- Installation: in the groove
- Actuator: hinge side

S.no.	Description	Unit	Article No.	PU
1	HSchall-EX Radiation Protection WSBD: Single Actuation Self Extinguishing Acoustic Drop seal, Length-708mm	Set	9 251 195	01
2	HSchall-EX Radiation Protection WSBD: Single Actuation Self Extinguishing Acoustic Drop seal, Length-833mm	Set	9 251 196	01
3	HSchall-EX Radiation Protection WSBD: Single Actuation Self Extinguishing Acoustic Drop seal, Length-958mm	Set	9 251 197	01
4	HSchall-EX Radiation Protection WSBD: Single Actuation Self Extinguishing Acoustic Drop seal, Length-1083mm	Set	9 251 198	01
5	HSchall-EX Radiation Protection WSBD: Single Actuation Self Extinguishing Acoustic Drop seal, Length-1208mm	Set	9 251 199	01
6	HSchall-EX Radiation Protection WSBD: Single Actuation Self Extinguishing Acoustic Drop seal, Length-1333mm	Set	9 251 200	01
7	HSchall-EX Radiation Protection WSBD: Single Actuation Self Extinguishing Acoustic Drop seal, Length-1458mm	Set	9 251 201	01
8	HSchall-EX Radiation Protection WSBD: Single Actuation Self Extinguishing Acoustic Drop seal, Length-1583mm	Set	9 251 202	01

Advanced Automatic Drop Bottom Seals

► For wooden doors (Schall range)



L-15 FS (Retrofit)

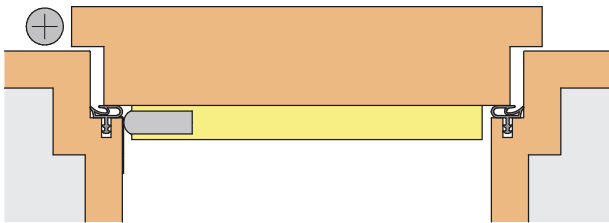


Features:

- For sealing heights up to 20 mm
- Snap-on cover profile
- Concealed screws
- Increased stability of form in the door rebate area
- Optimal corner connection
- Easy handling with shortened seal length
- Fire-proofing capacity in accordance with DIN4102
- Fire Rated for 60 Min

Technical details:

- Groove size: 54 x 17.2 mm
- Actuation: Single Actuation
- Sealing profile material: Silicone, self-extinguishing
- Maximum travel: 20 mm
- Standard lengths: 805, 930, 1055, 1180, 1305, 1430, 1555 mm
- Can be shortened by: 125 mm



- Installation: screw-fixed to the closing surface
- Actuator: hinge side

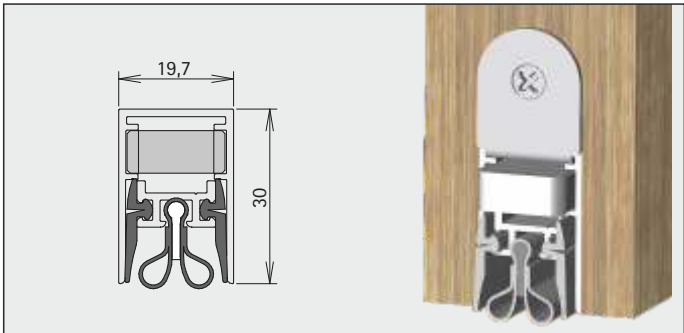
S.no.	Description	Unit	Article No.	PU
1	HSchall Ex L-15 FS: Single Actuation, Acoustic Retrofit Drop seal, Length 805 mm	Set	9 251 210	01
2	HSchall Ex L-15 FS: Single Actuation, Acoustic Retrofit Drop seal, Length 930 mm	Set	9 251 211	01
3	HSchall Ex L-15 FS: Single Actuation, Acoustic Retrofit Drop seal, Length 1055 mm	Set	9 251 212	01
4	HSchall Ex L-15 FS: Single Actuation, Acoustic Retrofit Drop seal, Length 1180 mm	Set	9 251 213	01
5	HSchall Ex L-15 FS: Single Actuation, Acoustic Retrofit Drop seal, Length 1305 mm	Set	9 251 214	01
6	HSchall Ex L-15 FS: Single Actuation, Acoustic Retrofit Drop seal, Length 1430 mm	Set	9 251 215	01
7	HSchall Ex L-15 FS: Single Actuation, Acoustic Retrofit Drop seal, Length 1555 mm	Set	9 250 832	01

Advanced Automatic Drop Bottom Seals

► For wooden sliding door (Schall range)

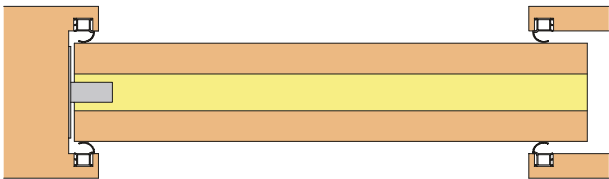


Slide Radiation Protection HM-20 WS



- Features:**
- For Sliding wooden doors
 - Unrivalled sound reduction values: 50 dB with 7 mm sealing height
 - Automatic height and level compensation
 - Self-adjusting
 - Integrated overload protection
 - Suitable for use with radiation protection doors in accordance with DIN 6834

- Technical details:**
- Groove size: 20 x 30 mm
 - Actuation: Single Actuation
 - Sealing profile material: Silicone, Lead rubber
 - Maximum travel: 12 mm
 - Standard lengths: 708, 833, 958, 1083, 1208, 1333, 1458, 1583 mm
 - Can be shortened by: 125 mm



- Installation: in the groove
- Actuator: lock side

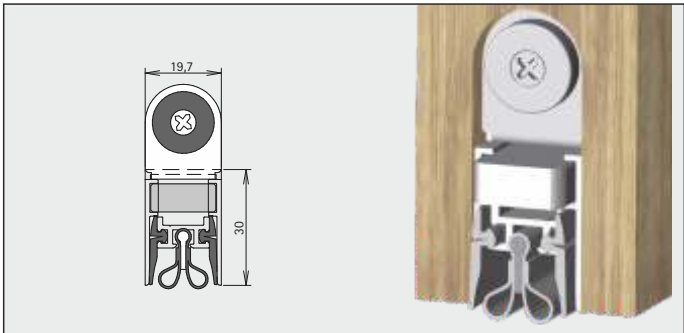
S.no.	Description	Unit	Article No.	PU
1	HSchall-EX Slide M-20 WS: Drop seal for Sliding door, Acoustic Et Radiation Protection, Length 708 mm	Set	9 251 216	01
2	HSchall-EX Slide M-20 WS: Drop seal for Sliding door, Acoustic Et Radiation Protection, Length 833 mm	Set	9 251 217	01
3	HSchall-EX Slide M-20 WS: Drop seal for Sliding door, Acoustic Et Radiation Protection, Length 958 mm	Set	9 251 218	01
4	HSchall-EX Slide M-20 WS: Drop seal for Sliding door, Acoustic Et Radiation Protection, Length 1083 mm	Set	9 251 219	01
5	HSchall-EX Slide M-20 WS: Drop seal for Sliding door, Acoustic Et Radiation Protection, Length 1208 mm	Set	9 251 220	01
6	HSchall-EX Slide M-20 WS: Drop seal for Sliding door, Acoustic Et Radiation Protection, Length 1333 mm	Set	9 251 221	01
7	HSchall-EX Slide M-20 WS: Drop seal for Sliding door, Acoustic Et Radiation Protection, Length 1458 mm	Set	9 251 222	01
8	HSchall-EX Slide M-20 WS: Drop seal for Sliding door, Acoustic Et Radiation Protection, Length 1583 mm	Set	9 251 223	01

Advanced Automatic Drop Bottom Seals

► For wooden sliding door (Schall range)



Slide & Lock Radiation protection HM-20 WS (Concealed)

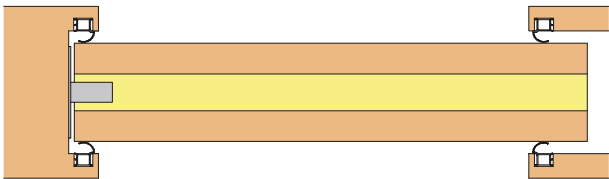


Features:

- For Sliding wooden doors
- Unrivalled sound reduction values: 50 dB with 7 mm sealing height
- Automatic height and level compensation
- Self-adjusting
- Integrated overload protection
- Smoke-proofing capacity in accordance with DIN18095
- Suitable for use with radiation protection doors in accordance with DIN 6834
- With Magnetic Lock

Technical details:

- Groove size: 20 x 30 mm
- Actuation: Single Actuation
- Sealing profile material: Silicone, Lead rubber
- Maximum travel: 12 mm
- Standard lengths: 708, 833, 958, 1083, 1208, 1333, 1458, 1583 mm
- Can be shortened by: 125 mm



- Installation: in the groove
- Actuator: lock side

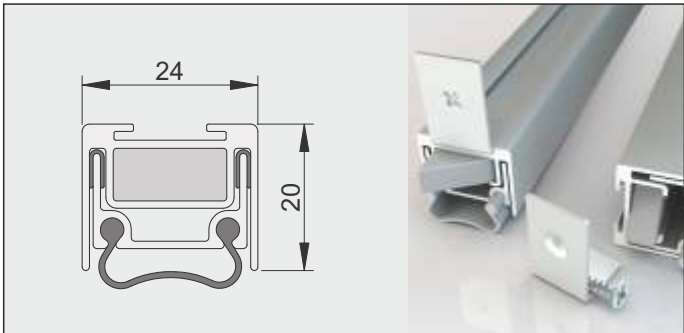
S.no.	Description	Unit	Article No.	PU
1	HSchall-EX Slide & Lock M-20 WS: Drop Seal for Sliding, Acoustic & Radiation Protection, Length 708 mm	Set	9 251 224	01
2	HSchall-EX Slide & Lock M-20 WS: Drop Seal for Sliding, Acoustic & Radiation Protection, Length 833 mm	Set	9 251 225	01
3	HSchall-EX Slide & Lock M-20 WS: Drop Seal for Sliding, Acoustic & Radiation Protection, Length 958 mm	Set	9 251 226	01
4	HSchall-EX Slide & Lock M-20 WS: Drop Seal for Sliding, Acoustic & Radiation Protection, Length 1083 mm	Set	9 251 227	01
5	HSchall-EX Slide & Lock M-20 WS: Drop Seal for Sliding, Acoustic & Radiation Protection, Length 1208 mm	Set	9 251 228	01
6	HSchall-EX Slide & Lock M-20 WS: Drop Seal for Sliding, Acoustic & Radiation Protection, Length 1333 mm	Set	9 251 229	01
7	HSchall-EX Slide & Lock M-20 WS: Drop Seal for Sliding, Acoustic & Radiation Protection, Length 1458 mm	Set	9 251 230	01
8	HSchall-EX Slide & Lock M-20 WS: Drop Seal for Sliding, Acoustic & Radiation Protection, Length 1583 mm	Set	9 251 231	01

Advanced Automatic Drop Bottom Seals

► For steel doors



HM3BH

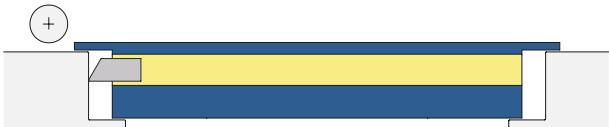


Features:

- Sound-proofing capacity, tested by professional German testing institute
 - 44 dB with 5 mm sealing height
 - 42 dB with 10 mm sealing height
- Smoke-proofing capacity, tested by professional German testing institute in accordance with DIN18095
- Fire-proofing capacity in accordance with DIN4102
- Fire Rated for 60 Min

Technical details:

- Groove size: 24 x 20 mm
- Actuation: Single Actuation
- Sealing profile material: Self-extinguishing-silicone
- Maximum travel: 11 mm
- Standard lengths: 708, 833, 958, 1083, 1208, 1333, 1458, 1583 mm
- Can be shortened by: 125 mm



- Installation: in the Steel/ Aluminum profile
- Actuator: hinge side

S.no.	Description	Unit	Article No.	PU
1	HM3BH: Single Actuation, Self extinguishing Silicone, Width24 mm Travel-11 mm Length 708 mm	Set	9 251 232	01
2	HM3BH: Single Actuation, Self extinguishing Silicone, Width24 mm Travel-11 mm Length 833 mm	Set	9 251 233	01
3	HM3BH: Single Actuation, Self extinguishing Silicone, Width24 mm Travel-11 mm Length 958 mm	Set	9 251 234	01
4	HM3BH: Single Actuation, Self extinguishing Silicone, Width24 mm Travel-11 mm Length 1083 mm	Set	9 251 235	01
5	HM3BH: Single Actuation, Self extinguishing Silicone, Width24 mm Travel-11 mm Length 1208 mm	Set	9 251 236	01
6	HM3BH: Single Actuation, Self extinguishing Silicone, Width24 mm Travel-11 mm Length 1333 mm	Set	9 251 237	01
7	HM3BH: Single Actuation, Self extinguishing Silicone, Width24 mm Travel-11 mm Length 1458 mm	Set	9 251 238	01
8	HM3BH: Single Actuation, Self extinguishing Silicone, Width24 mm Travel-11 mm Length 1583 mm	Set	9 251 239	01

Hettich RAINSTOP: Waterproof Drop Seals

Barrier-free external door seal

For Hettich, the optimum operating comfort of doors has traditionally been at the top of the agenda in product development. Today we are experiencing that the requirements for barrier-free planning, construction and living are becoming increasingly important. However, despite the zero threshold and barrier-free access, especially on outside doors, neither wind, driving rain or noise are allowed to penetrate the interior. With the new Hettich RAINSTOP external door seal, Hettich is bringing a door seal onto the market that has been proven to meet all of the above-mentioned requirements.

For wooden doors, the sealing system is available as a set with a suitable corner solution. The corner connection consists of a special water-repellent EPDM foam and can be cut to various rebate depths and geometries without any problems and in the shortest possible time. The

self-adhesive foam parts can be stuck into the door frames without any unnecessary drying times. A frame gap of three to six millimetres is thus effectively covered without any further adjustment of the seal and the door is protected against driving rain on all sides. Hettich RAINSTOP is threshold-free and therefore scores points not only visually, but also offers maximum accessibility.

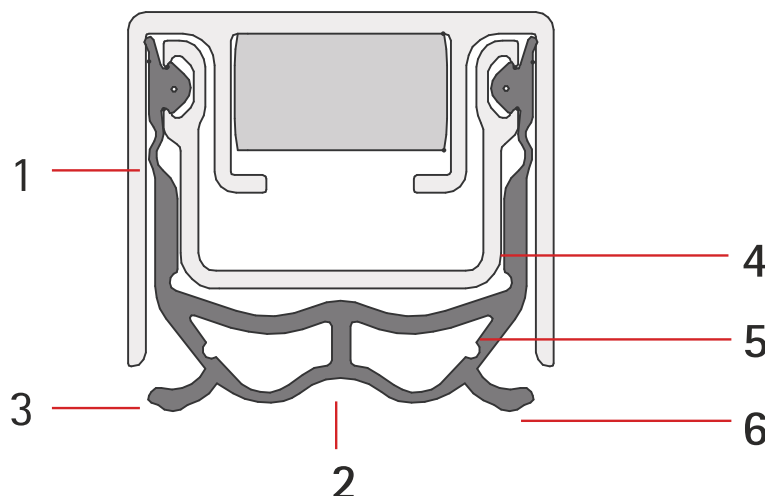
Standards for Certified Quality

- The renowned ift **Rosenheim** certifies the new sealing system's resistance to driving rain, resistance to wind load and excellent sound reduction values up to **51dB**.
- Hettich RAINSTOP has successfully passed salt spray testing by the **MPA NRW**.
- Hettich RAINSTOP is based on the technology of the **STADI-L** series for system doors and therefore bears the U-sign.
- The sealing system is certified as barrier-free according to **DIN 18040**.
- Fire-proofing capacity in accordance with **DIN4102** for 60 Min

System door manufacturers can adapt Hettich RAINSTOP individually, according to the geometry of their aluminium, PVC or steel door in corner areas – each profile door manufacturer requires their own solution, depending on the position of the seal and the hinge geometry.

Structural Analysis

- 1 Bellows in the sealing profile for additional insulation between the outer and sealing profile
- 2 W-shaped design transfers the vertical forces into a lateral sealing movement
- 3 The outer lip has a pressure-supporting effect – more external pressure, the better the seal
- 4 Sealing profile made of wear-resistant material ensures a long life and a permanent seal
- 5 Voluminous sealing profile contour stabilises the lateral overlap of the sealing profile
- 6 Contact surfaces optimise the sanding behaviour



Advanced Water Proof Automatic Drop Bottom Seals

► For both wooden & steel doors



RAINSTOP M-24/20 WS

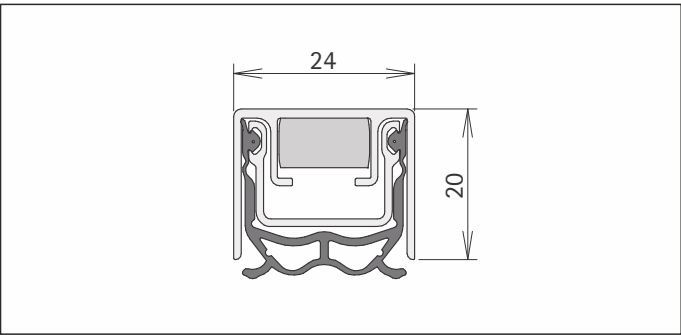


Features:

- Unrivalled sound reduction values: 51 dB with 7 mm sealing height
- For Moisture/ Rain protection doors with fire protection requirements
- Smoke-proofing capacity in accordance with DIN18095
- Fire-proofing capacity in accordance with DIN4102
- Fire Rated for 60 Min
- Automatic height and level compensation
- Tool less adjustment for Seal
- Suitable for DIN L/R
- For doors opening outwards and inwards
- Set-up for Ø10mm flush bolt optional

Technical details:

- Groove size: 24 x 20 mm
- Actuation: Single Actuation
- Sealing profile material: Silicone, Self-extinguishing
- Maximum travel: 13 mm
- Standard lengths: 750, 900, 1050, 1125, 1200, 1275, 1350, 1425, 1500 mm
- Can be shortened by: 75 mm

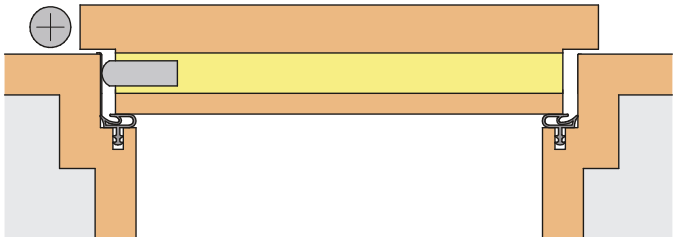


► For Metal Door Application



- Installation: in the Steel/ Aluminum profile
- Actuator: hinge side

► For Wooden Door Application



- Installation: in the groove
- Actuator: hinge side

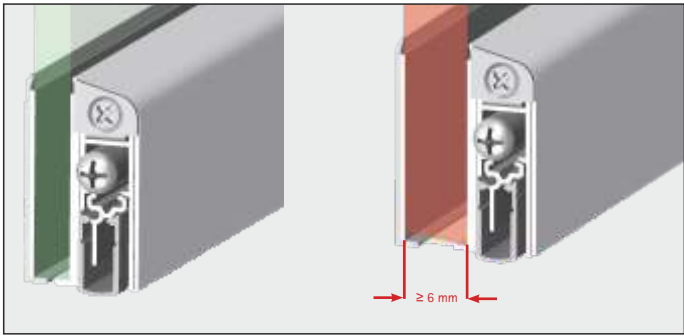
S.no.	Description	Unit	Article No.	PU
1	Rainstop M-24/20 WS: Rain Protection, Self Extinguishing, Acoustic Drop seal, Length 750 mm	Set	9 251 203	01
2	Rainstop M-24/20 WS: Rain Protection, Self Extinguishing, Acoustic Drop seal, Length 900 mm	Set	9 251 204	01
3	Rainstop M-24/20 WS: Rain Protection, Self Extinguishing, Acoustic Drop seal, Length 1050 mm	Set	9 251 205	01
4	Rainstop M-24/20 WS: Rain Protection, Self Extinguishing, Acoustic Drop seal, Length 1125 mm	Set	9 250 828	01
5	Rainstop M-24/20 WS: Rain Protection, Self Extinguishing, Acoustic Drop seal, Length 1200 mm	Set	9 251 206	01
6	Rainstop M-24/20 WS: Rain Protection, Self Extinguishing, Acoustic Drop seal, Length 1275 mm	Set	9 250 829	01
7	Rainstop M-24/20 WS: Rain Protection, Self Extinguishing, Acoustic Drop seal, Length 1350 mm	Set	9 250 830	01
8	Rainstop M-24/20 WS: Rain Protection, Self Extinguishing, Acoustic Drop seal, Length 1425 mm	Set	9 250 831	01
9	Rainstop M-24/20 WS: Rain Protection, Self Extinguishing, Acoustic Drop seal, Length 1500 mm	Set	9 251 209	01

Advanced Automatic Drop Bottom Seals

► For glass doors (Schall range)



Schall-Ex® GS-A



Features:

- For all doors from 6 mm glass thickness
- Seal and cover profile self-adhesive
- Reduced storage costs
- Suitable for retrofitting
- Overall dimensions (W x H): 15.4 x 45 mm

Surface Finish:

- Silver-coloured, anodised C-0
- Stainless steel-coloured, anodised C-31

Technical details:

- Glass thickness: ≥ 6 mm
- Groove size: 24 mm
- Actuation: Single Actuation
- Sealing profile material: Silicone, Self-extinguishing
- Maximum travel: 11 mm
- Standard lengths: 708, 833, 958, 1083, 1208, 1333, 1458, 1583 mm
- Can be shortened by: 125 mm



- Installation: on the opening surface
- Actuator: hinge side

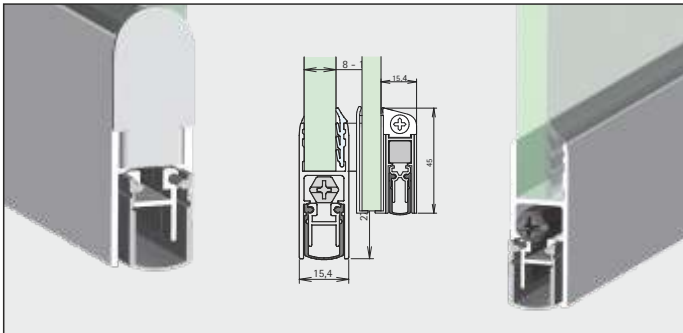
S.no.	Description	Unit	Article No.	PU
1	HSchall EXGS-A: Single actuation Self Adhesive Drop seal for glass, Size15.4*45 mm, Travel-11mm, Length 708 mm	Set	9 251 240	01
2	HSchall EXGS-A: Single actuation Self Adhesive Drop seal for glass, Size15.4*45 mm, Travel-11mm, Length 833 mm	Set	9 251 241	01
3	HSchall EXGS-A: Single actuation Self Adhesive Drop seal for glass, Size15.4*45 mm, Travel-11mm, Length 958 mm	Set	9 251 242	01
4	HSchall EXGS-A: Single actuation Self Adhesive Drop seal for glass, Size15.4*45 mm, Travel-11mm, Length 1083 mm	Set	9 251 243	01
5	HSchall EXGS-A: Single actuation Self Adhesive Drop seal for glass, Size15.4*45 mm, Travel-11mm, Length 1208 mm	Set	9 251 244	01
6	HSchall EXGS-A: Single actuation Self Adhesive Drop seal for glass, Size15.4*45 mm, Travel-11mm, Length 1333 mm	Set	9 251 245	01
7	HSchall EXGS-A: Single actuation Self Adhesive Drop seal for glass, Size15.4*45 mm, Travel-11mm, Length 1458 mm	Set	9 251 246	01
8	HSchall EXGS-A: Single actuation Self Adhesive Drop seal for glass, Size15.4*45 mm, Travel-11mm, Length 1583 mm	Set	9 251 247	01

Advanced Automatic Drop Bottom Seals

► For glass doors (Schall range)



Schall-Ex® GS-H8/12



Features:

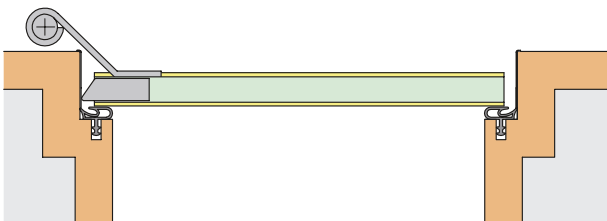
- Universal glass door seals for Doors with glass thicknesses from 8 – 12 mm
- Single actuation
- Lock-side cover made of stainless steel
- Reduced storage costs

Surface Finish:

- Silver-coloured, anodised C-0
- Stainless steel-coloured, anodised C-31

Technical details:

- Glass thickness: 8-12 mm
- Dimensions: 15 + 27 x 15.4 mm
- Actuation: Single Actuation
- Sealing profile material: Silicone, Self-extinguishing
- Maximum travel: 12 mm
- Standard lengths: 708, 833, 958, 1083, 1208, 1333, 1458, 1583 mm
- Can be shortened by: 125 mm



- Installation: under the door leaf
- Actuator: hinge side

S.no.	Description	Unit	Article No.	PU
1	HSchall EXGS-H8/ 12: Single actuationDrop seal for Glass, Size15.4*42 mm, Travel-12mm, Length 708 mm	Set	9 251 248	01
2	HSchall EXGS-H8/ 12: Single actuationDrop seal for Glass, Size15.4*42 mm, Travel-12mm, Length 833 mm	Set	9 251 249	01
3	HSchall EXGS-H8/ 12: Single actuationDrop seal for Glass, Size15.4*42 mm, Travel-12mm, Length 958 mm	Set	9 251 250	01
4	HSchall EXGS-H8/ 12: Single actuationDrop seal for Glass, Size15.4*42 mm, Travel-12mm, Length 1083 mm	Set	9 251 251	01
5	HSchall EXGS-H8/ 12: Single actuationDrop seal for Glass, Size15.4*42 mm, Travel-12mm, Length 1208 mm	Set	9 251 252	01
6	HSchall EXGS-H8/ 12: Single actuationDrop seal for Glass, Size15.4*42 mm, Travel-12mm, Length 1333 mm	Set	9 251 253	01
7	HSchall EXGS-H8/ 12: Single actuationDrop seal for Glass, Size15.4*42 mm, Travel-12mm, Length 1458 mm	Set	9 251 254	01
8	HSchall EXGS-H8/ 12: Single actuationDrop seal for Glass, Size15.4*42 mm, Travel-12mm, Length 1583 mm	Set	9 251 255	01

Advanced Intumescent Fire Seal

► For wooden & steel doors



Intumescent Fire Seal



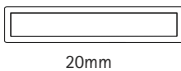
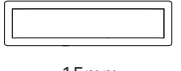
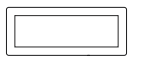
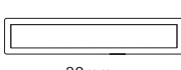
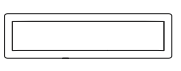
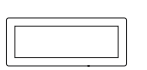
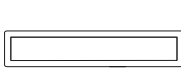
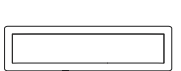
Intumescent Fire Seal:

- Fire and smoke Intumescent seals protect both the spread of fire and smoke through a building. Manufactured with a moisture resistant intumescent, all products are suitable for use in wet or dry areas. All strips are supplied with strong self-adhesive backing.
- Fire rated for 60 min according to EN 1634



Features:

- Size available: 10 x 4 mm / 15 x 4 mm / 20 x 4 mm
- Length available: 2100 mm / 2400 mm / 3000 mm
- Color available: Brown, White, Red
- Self adhesive
- Material: High quality graphite
- Fire-proofing capacity in accordance with DIN4102
- Fire Rated for 60 Min

Product Image	Description	Unit	Article no.	PU
	HFP 2004: Intumescent Fire Seal, Size 20*4, 2100 mm Brown	Pc	9 251 292	01
	HFP 2004: Intumescent Fire Seal, Size 20*4, 2400 mm Brown	Pc	9 251 293	01
	HFP 2004: Intumescent Fire Seal, Size 20*4, 3000 mm Brown	Pc	9 251 294	01
	HFP 1504: Intumescent Fire Seal, Size 15*4, 2100 mm Brown	Pc	9 251 295	01
	HFP 1504: Intumescent Fire Seal, Size 15*4, 2400 mm Brown	Pc	9 251 296	01
	HFP 1504: Intumescent Fire Seal, Size 15*4, 3000 mm Brown	Pc	9 251 297	01
	HFP 1004: Intumescent Fire Seal, Size 10*4, 2100 mm Brown	Pc	9 251 298	01
	HFP 1004: Intumescent Fire Seal, Size 10*4, 2400 mm Brown	Pc	9 251 299	01
	HFP 1004: Intumescent Fire Seal, Size 10*4, 3000 mm Brown	Pc	9 251 300	01
	HFP 2004: Intumescent Fire Seal, Size 20*4, 2100 mm White	Pc	9 251 301	01
	HFP 2004: Intumescent Fire Seal, Size 20*4, 2400 mm White	Pc	9 251 302	01
	HFP 2004: Intumescent Fire Seal, Size 20*4, 3000 mm White	Pc	9 251 303	01
	HFP 1504: Intumescent Fire Seal, Size 15*4, 2100 mm White	Pc	9 251 304	01
	HFP 1504: Intumescent Fire Seal, Size 15*4, 2400 mm White	Pc	9 251 305	01
	HFP 1504: Intumescent Fire Seal, Size 15*4, 3000 mm White	Pc	9 251 306	01
	HFP 1004: Intumescent Fire Seal, Size 10*4, 2100 mm White	Pc	9 251 307	01
	HFP 1004: Intumescent Fire Seal, Size 10*4, 2400 mm White	Pc	9 251 308	01
	HFP 1004: Intumescent Fire Seal, Size 10*4, 3000 mm White	Pc	9 251 309	01
	HFP 2004: Intumescent Fire Seal, Size 20*4, 2100 mm Red	Pc	9 251 310	01
	HFP 2004: Intumescent Fire Seal, Size 20*4, 2400 mm Red	Pc	9 251 311	01
	HFP 2004: Intumescent Fire Seal, Size 20*4, 3000 mm Red	Pc	9 251 312	01
	HFP 1504: Intumescent Fire Seal, Size 15*4, 2100 mm Red	Pc	9 251 313	01
	HFP 1504: Intumescent Fire Seal, Size 15*4, 2400 mm Red	Pc	9 251 314	01
	HFP 1504: Intumescent Fire Seal, Size 15*4, 3000 mm Red	Pc	9 251 315	01
	HFP 1004: Intumescent Fire Seal, Size 10*4, 2100 mm Red	Pc	9 251 316	01
	HFP 1004: Intumescent Fire Seal, Size 10*4, 2400 mm Red	Pc	9 251 317	01
	HFP 1004: Intumescent Fire Seal, Size 10*4, 3000 mm Red	Pc	9 251 318	01

Article codes written in black are available on request.

Advanced Intumescent Brush Fire Seal

► For wooden & steel doors



Intumescent Brush Fire Seal



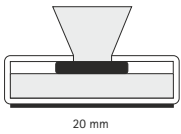
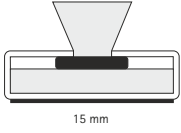
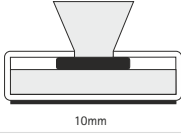
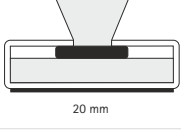
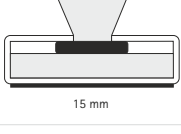
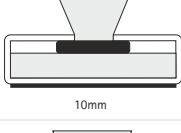
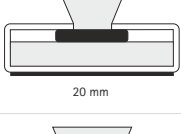
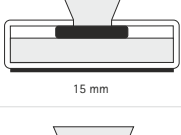
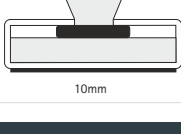
Intumescent Brush Fire Seal:

- Fire and smoke Intumescent brush seals protect both the spread of fire and smoke through a building. Manufactured with a moisture resistant intumescent, all products are suitable for use in wet or dry areas. All strips are supplied with strong self-adhesive backing.
- Fire and smoke intumescent strip combines intumescent material with a brush pile to prevent the transfer of both fire and smoke from one side of a timber door to another.
- Fire rated for 60 min according to EN 1634



Features:

- Size available: 10 x 4 mm / 15 x 4 mm / 20 x 4 mm
- Length available: 2,100 mm / 2,400 mm / 3000 mm
- Color available: Brown, White, Red
- Self adhesive
- With integrates brush sealing for both fire & smoke protection
- Material: High quality graphite
- Fire-proofing capacity in accordance with DIN4102
- Fire Rated for 60 Min

Product Image	Description	Unit	Article no.	PU
 20 mm 4 mm	HFB 2004: Intumescent Fire Seal, with Brush, Size 20*4, 2100 mm Brown	Pc	9 251 319	01
	HFB 2004: Intumescent Fire Seal, with Brush, Size 20*4, 2400 mm Brown	Pc	9 251 320	01
	HFB 2004: Intumescent Fire Seal, with Brush, Size 20*4, 3000 mm Brown	Pc	9 251 321	01
 15 mm 4 mm	HFB 1504: Intumescent Fire Seal, with Brush, Size 15*4, 2100 mm Brown	Pc	9 251 322	01
	HFB 1504: Intumescent Fire Seal, with Brush, Size 15*4, 2400 mm Brown	Pc	9 251 323	01
	HFB 1504: Intumescent Fire Seal, with Brush, Size 15*4, 3000 mm Brown	Pc	9 251 324	01
 10mm 4mm	HFB 1004: Intumescent Fire Seal, with Brush, Size 10*4, 2100 mm Brown	Pc	9 251 325	01
	HFB 1004: Intumescent Fire Seal, with Brush, Size 10*4, 2400 mm Brown	Pc	9 251 326	01
	HFB 1004: Intumescent Fire Seal, with Brush, Size 10*4, 3000 mm Brown	Pc	9 251 327	01
 20 mm 4 mm	HFB 2004: Intumescent Fire Seal, with Brush, Size 20*4, 2100 mm White	Pc	9 251 328	01
	HFB 2004: Intumescent Fire Seal, with Brush, Size 20*4, 2400 mm White	Pc	9 251 329	01
	HFB 2004: Intumescent Fire Seal, with Brush, Size 20*4, 3000 mm White	Pc	9 251 330	01
 15 mm 4 mm	HFB 1504: Intumescent Fire Seal, with Brush, Size 15*4, 2100 mm White	Pc	9 251 331	01
	HFB 1504: Intumescent Fire Seal, with Brush, Size 15*4, 2400 mm White	Pc	9 251 332	01
	HFB 1504: Intumescent Fire Seal, with Brush, Size 15*4, 3000 mm White	Pc	9 251 333	01
 10mm 4mm	HFB 1004: Intumescent Fire Seal, with Brush, Size 10*4, 2100 mm White	Pc	9 251 334	01
	HFB 1004: Intumescent Fire Seal, with Brush, Size 10*4, 2400 mm White	Pc	9 251 335	01
	HFB 1004: Intumescent Fire Seal, with Brush, Size 10*4, 3000 mm White	Pc	9 251 336	01
 20 mm 4 mm	HFB 2004: Intumescent Fire Seal, with Brush, Size 20*4, 2100 mm Red	Pc	9 251 337	01
	HFB 2004: Intumescent Fire Seal, with Brush, Size 20*4, 2400 mm Red	Pc	9 251 338	01
	HFB 2004: Intumescent Fire Seal, with Brush, Size 20*4, 3000 mm Red	Pc	9 251 339	01
 15 mm 4 mm	HFB 1504: Intumescent Fire Seal, with Brush, Size 15*4, 2100 mm Red	Pc	9 251 340	01
	HFB 1504: Intumescent Fire Seal, with Brush, Size 15*4, 2400 mm Red	Pc	9 251 341	01
	HFB 1504: Intumescent Fire Seal, with Brush, Size 15*4, 3000 mm Red	Pc	9 251 342	01
 10mm 4mm	HFB 1004: Intumescent Fire Seal, with Brush, Size 10*4, 2100 mm Red	Pc	9 251 343	01
	HFB 1004: Intumescent Fire Seal, with Brush, Size 10*4, 2400 mm Red	Pc	9 251 344	01
	HFB 1004: Intumescent Fire Seal, with Brush, Size 10*4, 3000 mm Red	Pc	9 251 345	01

Smoke & Acoustic Seal

► For wooden & steel doors



Smoke & Acoustic Seal (Triangular Series)

Acoustic seals have become an integral part of the design of new buildings and the upgrade of existing one. Noise is becoming an increasing environmental issue to the extent that Building Regulations now require minimum sound attenuating performances for some locations. The door must be sealed top and bottom together with each side as sound is airborne and will permeate through any space air can. The acoustic perimeter seal works by filling the air gaps that create sound leakage around the head and jams of the door set, this also prevents smoke, light and dust.



Features:

- Self-adhesive perimeter seal for internal doors
- Perimeter seals in various diameters
- Equipped with a durable, self-adhesive backing tape on two sides of the seal.
- Large tolerance compensation
- Antibacterial material, ideally suited for use in hospitals
- Suitable for sound insulation
- Suitable for smoke protection

Installation:

- Contact surfaces must be clean and any paint well-cured, to ensure proper adhesion
- To be glued with self-adhesive tape onto the stop section of the door frame
- Profile ends to be miter-cut or welded
- Do not use any aggressive material for cleaning

Technical details:

- Door Frame: Wood & metal
- Material: PVC (Flexible & Rigid poly-vinyl chloride)
- Available Length: 2,100 mm, 2,400 mm, 3,000 mm
- Working Temperature: -60° C to +250° C
- Color Available: Black, White & Brown

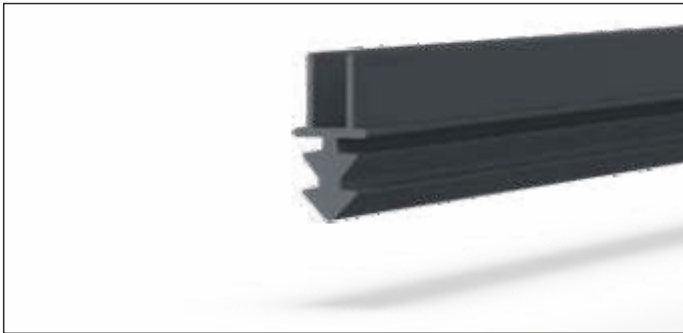
Product Image	Description	Unit	Article no.	PU
	HPS 1212 P: Smoke & Acoustic Seal, Size 12*12mm, 2100 mm Black	Pc	9 251 256	01
	HPS 1212 P: Smoke & Acoustic Seal, Size 12*12mm, 2400 mm Black	Pc	9 251 257	01
	HPS 1212 P: Smoke & Acoustic Seal, Size 12*12mm, 3000 mm Black	Pc	9 251 258	01
	HPS 1212 P: Smoke & Acoustic Seal, Size 12*12mm, 2100 mm White	Pc	9 251 259	01
	HPS 1212 P: Smoke & Acoustic Seal, Size 12*12mm, 2400 mm White	Pc	9 251 260	01
	HPS 1212 P: Smoke & Acoustic Seal, Size 12*12mm, 3000 mm White	Pc	9 251 261	01
	HPS 1212 P: Smoke & Acoustic Seal, Size 12*12mm, 2100 mm Brown	Pc	9 251 262	01
	HPS 1212 P: Smoke & Acoustic Seal, Size 12*12mm, 2400 mm Brown	Pc	9 251 263	01
	HPS 1212 P: Smoke & Acoustic Seal, Size 12*12mm, 3000 mm Brown	Pc	9 251 264	01
	HPS 1515 P: Smoke & Acoustic Seal, Size 15*15mm, 2100 mm Black	Pc	9 251 265	01
	HPS 1515 P: Smoke & Acoustic Seal, Size 15*15mm, 2400 mm Black	Pc	9 251 266	01
	HPS 1515 P: Smoke & Acoustic Seal, Size 15*15mm, 3000 mm Black	Pc	9 251 267	01
	HPS 1515 P: Smoke & Acoustic Seal, Size 15*15mm, 2100 mm White	Pc	9 251 268	01
	HPS 1515 P: Smoke & Acoustic Seal, Size 15*15mm, 2400 mm White	Pc	9 251 269	01
	HPS 1515 P: Smoke & Acoustic Seal, Size 15*15mm, 3000 mm White	Pc	9 251 270	01
	HPS 1515 P: Smoke & Acoustic Seal, Size 15*15mm, 2100 mm Brown	Pc	9 251 271	01
	HPS 1515 P: Smoke & Acoustic Seal, Size 15*15mm, 2400 mm Brown	Pc	9 251 272	01
	HPS 1515 P: Smoke & Acoustic Seal, Size 15*15mm, 3000 mm Brown	Pc	9 251 273	01

Advanced Compression/Perimeter Seal

► For wooden doors



Compression Seal (Square Seal)



Features:

- Inconspicuous small perimeter seal with two slim elastomeric sealing blades for installation into a groove
- Suitable for rebated double door
- Suitable for sound insulation
- Suitable for smoke protection

Installation:

- Installation into a groove
- Profile ends to be miter-cut
- Do not use any aggressive material for cleaning

Technical details:

- Door Frame: Wood
- Material: PVC (Flexible & Rigid poly-vinyl chloride)
- Available Length: 2,100 mm, 2,400 mm, 3,000 mm
- Working Temperature: -60° C to +250° C
- Color Available: Black, White & Brown



Product Image	Description	Unit	Article no.	PU
	HPS 3645 P,Compress Seal, L2100mm, White	Pc	9 251 275	01
	HPS 3645 P,Compress Seal, L2400mm, White	Pc	9 251 276	01
	HPS 3645 P,Compress Seal, L3000mm, White	Pc	9 251 277	01
	HPS 3645 P,Compress Seal, L2100mm, Brown	Pc	9 251 278	01
	HPS 3645 P,Compress Seal, L2400mm, Brown	Pc	9 251 279	01
	HPS 3645 P,Compress Seal, L3000mm, Brown	Pc	9 251 280	01
	HPS 3645 P,Compress Seal, L2100mm, Black	Pc	9 251 281	01
	HPS 3645 P,Compress Seal, L2400mm, Black	Pc	9 251 282	01
	HPS 3645 P,Compress Seal, L3000mm, Black	Pc	9 251 283	01

Compression Seal (Circular Seal)



Features:

- Tubular-shaped perimeter seals in various diameters
- Integrated thread prevents stretching
- Large tolerance compensation
- Suitable for smoke protection
- Suitable for sound insulation
- For timber doors and windows

Installation:

- Installation into a groove
- Profile ends to be miter-cut
- Do not use any aggressive material for cleaning

Technical details:

- Door Frame: Wood
- Material: Silicone
- Available Length: 100 m/coil
- Working Temperature: -60° C to +250° C
- Suitable for gap size: 1.5 - 6.5 mm
- Color Available: Black & Brown



Product Image	Description	Unit	Article no.	PU
	HPS 0704 S, Compress Seal, L100 m, Black	Pc	9 251 284	01
	HPS 0704 S, Compress Seal, L100 m, Brown	Pc	9 251 285	01
	HPS 0604 S, Compress Seal, L100 m, Brown	Pc	9 251 274	01

Advanced Compression/Perimeter Seal

► For wooden doors



Compression Seal



- Features:**
 - Smoke protection
 - Stop-mounted compression seal
 - Self-adhesive backing
 - Easy installation
- Installation:**
 - Contact surfaces must be clean and any paint well-cured, to ensure proper adhesion
 - To be glued with self-adhesive tape onto the stop section of the door frame
 - Profile ends to be miter-cut or welded
 - Do not use any aggressive material for cleaning



- Technical details:**
 - Door Frame: Wood
 - Material: TPE
 - Available Length: 100 m / coil
 - Working Temperature: -40°C to + 180°C
 - Color Available: Black, White, Grey & Brown

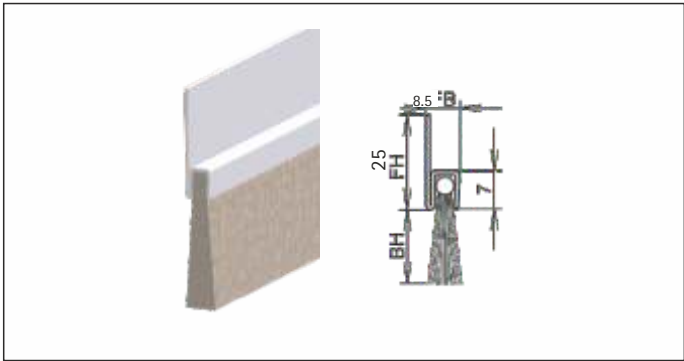
Product Image	Description	Unit	Article no.	PU
	HPS 810 TE,Compress Seal, L100m, White	Pc	9 251 286	01
	HPS 810 TE,Compress Seal, L100m, Grey	Pc	9 251 287	01
	HPS 810 TE,Compress Seal, L100m, Black	Pc	9 251 288	01
	HPS 812 TE,Compress Seal, L100m, White	Pc	9 251 289	01
	HPS 812 TE,Compress Seal, L100m, Brown	Pc	9 251 290	01
	HPS 812 TE,Compress Seal, L100m, Black	Pc	9 251 291	01

Advanced Aluminum Brush Seal

► For wooden & glass doors



Aluminum Brush Seal For Wooden Doors (Screw On)



Features:

- Screw-on version brush seal
- Suitable for dust protection
- Brush seal available in two materials:
Natural Horse Hair Mixed & Polyamide (PA)



Installation:

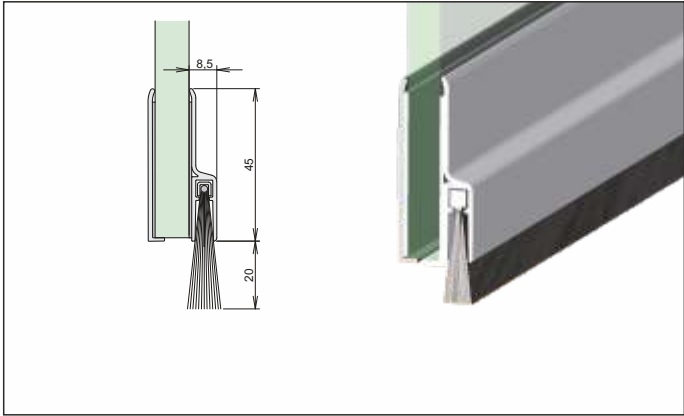
- Installation on the door surface
- To be screwed directly to the door

Technical details:

- Door: Wood
- Profile Material: Aluminum
- Available Length: 2,700 mm
- Brush Height: 10 mm, 20 mm, 40 mm, 60 mm

Product Image	Description	Unit	Article no.	PU
	HAluBros Profile Brush Seal, Size-25*8 Silver, Horse Hair, Brush Height 10 mm	Pc	9 251 346	01
	HAluBros Profile Brush Seal, Size-25*8 Silver, Horse Hair, Brush Height 20 mm	Pc	9 251 347	01
	HAluBros Profile Brush Seal, Size-25*8 Silver, Horse Hair, Brush Height 40 mm	Pc	9 251 348	01
	HAluBros Profile Brush Seal, Size-25*8 Silver, Horse Hair, Brush Height 60 mm	Pc	9 251 349	01
	HAluBros Profile Brush Seal, Size-25*8 Silver, Black, Brush Height 10 mm	Pc	9 251 350	01
	HAluBros Profile Brush Seal, Size-25*8 Silver, Black, Brush Height 20 mm	Pc	9 251 351	01
	HAluBros Profile Brush Seal, Size-25*8 Silver, Black, Brush Height 40 mm	Pc	9 251 352	01
	HAluBros Profile Brush Seal, Size-25*8 Silver, Black, Brush Height 60 mm	Pc	9 251 353	01

Aluminum Brush Seal For Glass Doors (Stick On)



Features:

- For glass doors with any thickness
- Self-adhesive, silver-coloured anodised aluminum profile
- With a Aluminum cover profile for the back
- Suitable for dust protection



Installation:

- Stick-on Installation onto the glass
- Profile can be shortened up to 125 mm to suit door size
- Do not use any aggressive material for cleaning

Technical details:

- Door: Glass
- Material: Aluminum
- Available Length: 708, 833, 958, 1083, 1208, 1333, 1458, 1583 mm
- Brush Height: 20 mm

S.no.	Description	Unit	Article No.	PU
1	HGlasdicht SK: Self Adhesive Brush Seal For Glass, Brush Height 20mm, Length- 708 mm	Set	9 251 354	01
2	HGlasdicht SK: Self Adhesive Brush Seal For Glass, Brush Height 20mm, Length- 833 mm	Set	9 251 355	01
3	HGlasdicht SK: Self Adhesive Brush Seal For Glass, Brush Height 20mm, Length- 958 mm	Set	9 251 356	01
4	HGlasdicht SK: Self Adhesive Brush Seal For Glass, Brush Height 20mm, Length- 1083 mm	Set	9 251 357	01
5	HGlasdicht SK: Self Adhesive Brush Seal For Glass, Brush Height 20mm, Length- 1208 mm	Set	9 251 358	01
6	HGlasdicht SK: Self Adhesive Brush Seal For Glass, Brush Height 20mm, Length- 1333 mm	Set	9 251 359	01
7	HGlasdicht SK: Self Adhesive Brush Seal For Glass, Brush Height 20mm, Length- 1458 mm	Set	9 251 360	01
8	Hglsadicht SK: Self Adhesive Brush Seal For Glass, Brush Height 20mm, Length- 1583 mm	Set	9 251 361	01

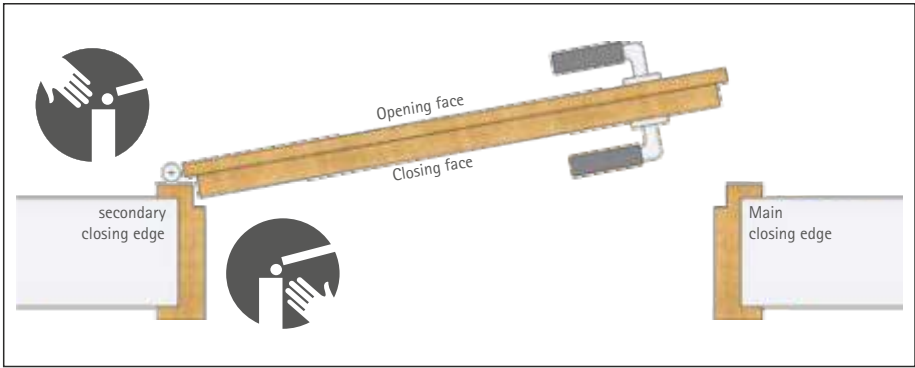
Finger Protection for Doors

► For wooden & steel doors



Finger Protection for different door applications

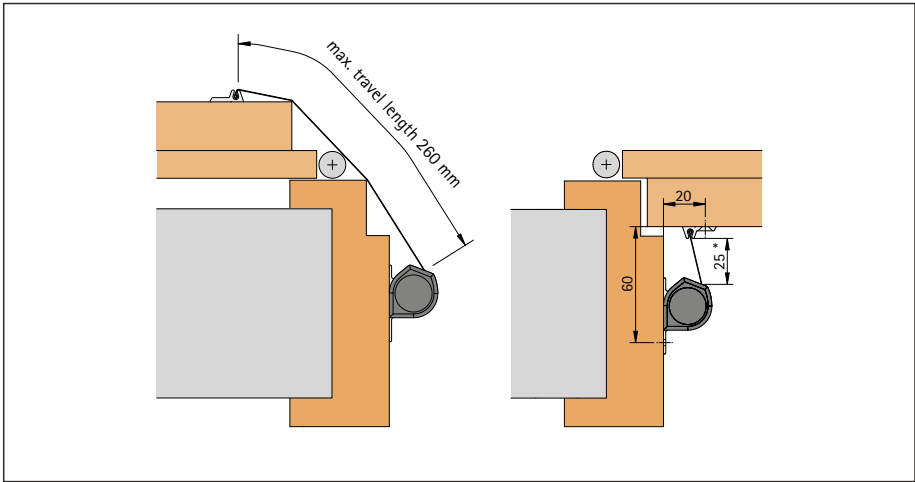
- **Effective prevention against fingers becoming trapped between the door leaf and the frame:**
Hettich finger protection systems have been preventing injuries for many years by effectively reducing the risk of fingers becoming accidentally trapped in doors.
- **Finger protection at doors:**
The closing edges of doors invariably present a hazard. The requirements for different user groups and structural factors are governed by regional regulations and standards.
- **Finger protection in child daycare centres and schools:**
Children are scarcely aware of the dangers in their environment. Every day, children injure themselves unnecessarily in doors that are inadequately safeguarded or completely unprotected. In order to improve safety for our children, shearing zones between the door frame and the hinged edge of doors must be avoided. Several regulations in European countries require safeguarded doors in child daycare centres.



- For the hinge side on the closing face:**
- Reliably covers the gap between the door leaf and the door frame
 - Maintenance free
 - Easy to clean
 - Opening face protective profiles are suitable for complete finger protection at the closing edge
 - Retrofittable
 - Available in fixed and standard lengths



- Features:**
- Proven protective system for decades
 - Compact form
 - Optional version for fitting to glass doors
 - Protective roller blind automatically maintains constant tension
 - Fire retardant synthetic fibre cover
 - Verified long-term reliability: 1,000,000
 - Travel length: 260 mm
- Installation:**
- To be screwed on to the door leaf and door frame



- Technical details:**
- Min./Max. travel length: 25-260 mm
 - Length: 1,925 mm
 - Fixing: Self Adhesive
 - Material: Fabric, Black

Product Image	Description	Unit	Article no.	PU
	HNR-25: Self Adhesive Finger Protection Length-1925 mm	Pc	9 251 362	01
	HNR-26 W: Self Adhesive Finger Protection Length-1925 mm (Water Resistant)	Pc	9 250 833	01



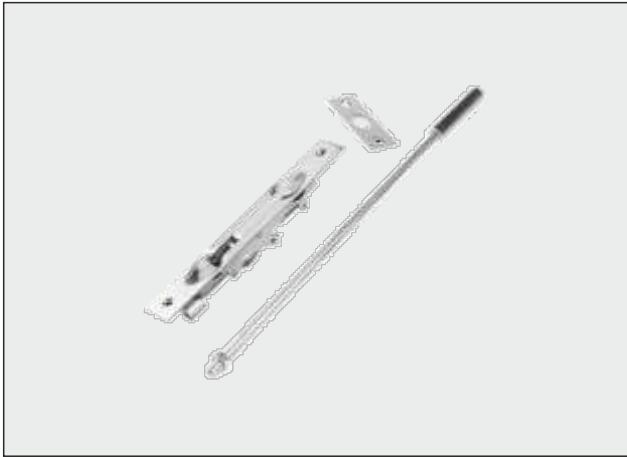
Perfect safety enhancements for doors

No door solution is complete without door accessories like PVC seals, drop seals, security chains, flush bolts door viewers, etc. Hettich provides a wide range for door accessories allowing it to be the complete solution provider for all hardware needs.



- HFB 1: Flush bolt for wooden door**
- ▶ Flush bolt for wooden door
 - ▶ Single piece with striking plate and screws parts, dust-proof not included
 - ▶ Screws included
 - ▶ Finishes: SS Satin/ Antique Brass/ Matt Black

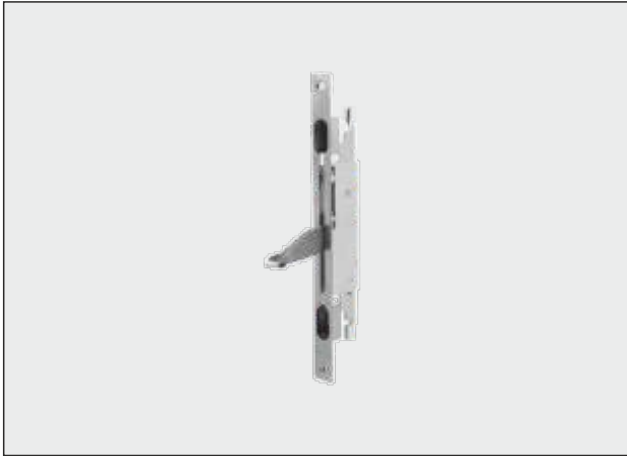
Description	Unit	Article No.	PU
HFB 1: Flush bolt for wooden door 200 mm SS	Pc	9 228 397	01
HFB 1: Flush bolt for wooden door 300 mm SS	Pc	9 228 424	01
HFB 1: Flush bolt for wooden door 200 mm AB	Pc	9 250 437	01
HFB 1: Flush bolt for wooden door 300 mm AB	Pc	9 250 432	01
HFB 1: Flush bolt for wooden door 300 mm BL	Pc	9 250 481	01



- HFB 2: Flush bolt for metal door**
- ▶ Cover plate spec: 172 mm x 25 mm, square
 - ▶ Standard bolt length: 300 mm
 - ▶ Single piece with striking plate and screws parts, dust-proof not included
 - ▶ Screws included
 - ▶ Finishes: SS Satin/ Antique Brass

*Template Revision June 2022

Description	Unit	Article No.	PU
HFB 2: Flush bolt for metal door SS	Pc	9 228 398	01
HFB 2: Flush bolt for metal door AB	Pc	9 250 438	01



- HFB 3: Center flush bolt for steel door**
- ▶ Suitable for steel/aluminum passive leaf
 - ▶ Recommended distance from floor: 1.500 mm
 - ▶ Cover spec: Square 22 mm x 285 mm x 3 mm
 - ▶ Body spec: 41 mm x 125 mm x 12 mm
 - ▶ Upper & lower rod screw thread: M8
 - ▶ Upper & lower rod clutch operating stroke: 20 mm
 - ▶ Finishes: SS Satin

*Template Revision June 2022

Description	Unit	Article No.	PU
HFB 3: Center flush bolt for steel door	Pc	9 228 399	01



- HFB 4: Automatic flush bolt**
- ▶ Size: 158 mm x 41 mm
 - ▶ DIN left/right usable
 - ▶ Passive leaf would be automatically unlocked when the active leaf is open.
 - ▶ Fixing material included
 - ▶ Finishes: SS Satin/ Antique Brass

Description	Unit	Article No.	PU
HFB 4: Automatic flush bolt SS	Pc	9 228 400	01
HFB 4: Automatic flush bolt AB	Pc	9 250 439	01

Article codes written in black are available on request.



- HFBA 1: Dust socket for flush bolt**
- ▶ Suitable for Hettich flush bolt series
 - ▶ Size: 39 mm x 19 mm
 - ▶ Cover plate diameter: 13 mm
 - ▶ Depth: 39 mm
 - ▶ Strike diameter: 19 mm
 - ▶ Finishes: SS Satin/ Antique Brass

Description	Unit	Article No.	PU
HFBA 1: Dust proof strike SS	Pc	9 228 401	01
HFBA 1: Dust proof strike AB	Pc	9 250 440	01



- HWS 75: Magnetic Wall Stop (Wall/Floor Mounted)**
- ▶ Base diameter: 50 mm, Height: 75 mm
 - ▶ Including fixing materials
 - ▶ Finishes: SS Satin/ Antique Brass/ Matt Black

Description	Unit	Article No.	PU
HWS 75: Wall magnet SS	Pc	9 228 402	01
HWS 75: Wall magnet AB	Pc	9 250 433	01
HWS 75: Wall magnet BL	Pc	9 250 482	01



- HWS 45: Magnetic Wall Stop (Wall/Floor Mounted)**
- ▶ Material: stainless steel
 - ▶ Finishes: SS Satin/ Antique Brass

Description	Unit	Article No.	PU
HWS 45: Magnetic Wall Stop SS	Pc	9 228 707	01
HWS 45: Magnetic Wall Stop AB	Pc	9 250 480	01



- HPP 1: Pull plate for door**
- ▶ Size: 300 mm x 100 mm
 - ▶ Including fixing materials
 - ▶ Finishes: SS Satin/ Antique Brass

Description	Unit	Article No.	PU
HPP 1: Pull plate SS	Pc	9 228 403	01
HPP 1: Pull plate AB	Pc	9 250 441	01

Article codes written in black are available on request.



HPP 2: Push plate for door
► Size: 300 mm x 100 mm
► Including fixing materials
► Finishes: SS Satin/ Antique Brass

Description	Unit	Article No.	PU
HPP 2: Push plate SS	Pc	9 228 404	01
HPP 2: Push plate AB	Pc	9 250 442	01



HDC 1: Security door chain (Concealed)
► Suitable for wooden inward opening doors
► Fixing material included
► Finishes: SS Satin/ Antique Brass

Description	Unit	Article No.	PU
HDC 1: Security door chain SS	Pc	9 228 405	01
HDC 1: Security door chain AB	Pc	9 250 443	01
HDC 1: Door Chain, BL	Pc	9 251 414	01



HDC 2: Door Guard
► Material: stainless steel
► Finishes: SS Satin/ Antique Brass/ Matt Black

Description	Unit	Article No.	PU
HDC 2: Door Guard SS	Pc	9 228 708	01
HDC 2: Door Guard AB	Pc	9 250 477	01
HDC 2: Door Guard BL	Pc	9 250 484	01



HFP 1: Flush Pull-on Rose for Door
► Size: 12 mm x 76 mm
► Center - center: 38 mm
► Fixing material included
► Finishes: SS Satin/ Antique Brass

Description	Unit	Article No.	PU
HFP 1: Pull ring SS	Pc	9 228 406	01
HFP 1: Pull ring AB	Pc	9 250 470	01

Article codes written in black are available on request.



HDS 44: Half-Dome shape floor mounted door stopper
▶ Material: stainless steel
▶ Finishes: SS Satin/ Antique Brass/ Matt Black

Description	Unit	Article No.	PU
HDS 44: Door stopper - floor mounted SS	Pc	9 228 407	01
HDS 44: Door stopper - floor mounted AB	Pc	9 250 471	01
HDS 44: Door stopper - floor mounted BL	Pc	9 250 554	01



HDS 45: Vertical type floor mounted door stopper
▶ Material: stainless steel
▶ Finishes: SS Satin/ Antique Brass

Description	Unit	Article No.	PU
HDS 45: Door stopper - floor mounted SS	Pc	9 228 408	01
HDS 45: Door stopper - floor mounted AB	Pc	9 250 472	01



HDS 46: Hanging type Door drop stop
▶ Material: stainless steel
▶ Finishes: SS Satin/ Antique Brass

Description	Unit	Article No.	PU
HDS 46: Hanging type Door drop stop SS	Pc	9 228 709	01
HDS 46: Hanging type Door drop stop AB	Pc	9 250 478	01
HDS 46: Hanging type Door drop stop BL	Pc	9 251 415	01



HDS 47: Vertical type Door drop stop
▶ Material: stainless steel
▶ Finishes: SS Satin/ Antique Brass

Description	Unit	Article No.	PU
HDS 47: Vertical type Door drop stop SS	Pc	9 228 710	01
HDS 47: Vertical type Door drop stop AB	Pc	9 250 479	01

Article codes written in black are available on request.



HWS 55/76/90/100 mm: Door stopper – wall mounted
► Material: stainless steel
► Finishes: SS Satin/ Antique Brass

Description	Unit	Article No.	PU
HWS 55: Door stopper – wall mounted SS	Pc	9 228 409	01
HWS 76: Door stopper – wall mounted SS	Pc	9 250 600	01
HWS 90: Door stopper – wall mounted SS	Pc	9 250 601	01
HWS 100: Door stopper – wall mounted SS	Pc	9 250 565	01
HWS 76: Door stopper – wall mounted AB	Pc	9 250 473	01
HWS 76: wall stop, BL Finish	Pc	9 251 416	01



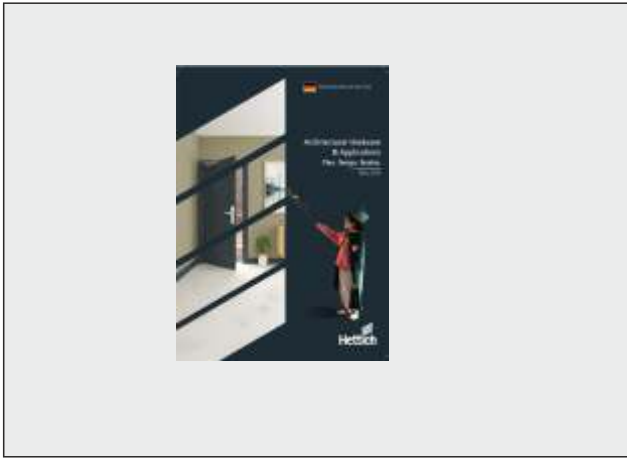
HDV1: Door Viewer
► Lens diameter: 37 mm, Lens cone diameter: 22 mm
► Suitable for door thickness: 35 – 55 mm
► 180°view, nylon with cover plate from indoor side
► Finishes: Chrome/ Antique Brass/ Black

Description	Unit	Article No.	PU
HDV 1: Door Viewer CH	Pc	9 228 410	01
HDV 1: Door Viewer AB	Pc	9 250 474	01
HDV 1: Door Viewer BL	Pc	9 250 483	01



HDV 2: Door viewer
► Lens diameter: 25.4 mm, Lens cone diameter: 14 mm
► Suitable for door thickness: 35 – 60 mm
► 140°view, nylon with cover plate from indoor side
► Finishes: Chrome/ Antique Brass/ Black

Description	Unit	Article No.	PU
HDV 2: Door viewer (for door thick: 35-55 mm) SS	Pc	9 228 439	01
HDV 2: Door viewer (for door thick: 35-60 mm) SS	Pc	9 250 664	01
HDV 2: Door viewer (for door thick: 35-55 mm) AB	Pc	9 250 475	01
HDV 2: Door viewer (for door thick: 35-60 mm) AB	Pc	9 250 476	01
HDV 2: Door viewer (for door thick: 35-60 mm) BL	Pc	9 250 845	01



Catalogue
► On Request

Description	Unit	Article No.	PU
Architectural Hardware & Applications Catalogue	Pc	9 254 294	01

Article codes written in black are available on request.

Type	min. door thickness	max door weight without door closer	total calculated door weight - only door leaf	added weight for door closer	total calculated door weight with door closer	Result	added weight if door closer with back check	total calculated door weight with door closer with back check	Result	max door size - otherwise contact tech service
HBC-25	35mm	10kg	ok	2.0kg	12.0kg	ok	7.5kg	17.5kg	ok	2200*1000
		11kg	ok	2.2kg	13.2kg	ok	8.3kg	19.3kg	ok	
		12kg	ok	2.4kg	14.4kg	ok	9.0kg	21.0kg	ok	
		13kg	ok	2.6kg	15.6kg	ok	9.8kg	22.8kg	ok	
		14kg	ok	2.8kg	16.8kg	ok	10.5kg	24.5kg	ok	
		15kg	ok	3.0kg	18.0kg	ok	11.3kg	26.3kg	ok	
		16kg	ok	3.2kg	19.2kg	ok	12.0kg	28.0kg	ok	
		17kg	ok	3.4kg	20.4kg	ok	12.8kg	29.8kg	ok	
		18kg	ok	3.6kg	21.6kg	ok	13.5kg	31.5kg	ok	
		19kg	ok	3.8kg	22.8kg	ok	14.3kg	33.3kg	ok	
		20kg	ok	4.0kg	24.0kg	ok	15.0kg	35.0kg	ok	
		21kg	ok	4.2kg	25.2kg	ok	15.8kg	36.8kg	ok	
		22kg	ok	4.4kg	26.4kg	ok	16.5kg	38.5kg	ok	
		23kg	ok	4.6kg	27.6kg	ok	17.3kg	40.3kg	ok	
		24kg	ok	4.8kg	28.8kg	ok	18.0kg	42.0kg	not ok	
		25kg	ok	5.0kg	30.0kg	ok	18.8kg	43.8kg	not ok	
		26kg	ok	5.2kg	31.2kg	ok	19.5kg	45.5kg	not ok	
		27kg	ok	5.4kg	32.4kg	ok	20.3kg	47.3kg	not ok	
		28kg	ok	5.6kg	33.6kg	ok	21.0kg	49.0kg	not ok	
		29kg	ok	5.8kg	34.8kg	ok	21.8kg	50.8kg	not ok	
		30kg	ok	6.0kg	36.0kg	ok	22.5kg	52.5kg	not ok	
		31kg	ok	6.2kg	37.2kg	ok	23.3kg	54.3kg	not ok	
		32kg	ok	6.4kg	38.4kg	ok	24.0kg	56.0kg	not ok	
		33kg	ok	6.6kg	39.6kg	ok	24.8kg	57.8kg	not ok	
		34kg	ok	6.8kg	40.8kg	not ok	25.5kg	59.5kg	not ok	
		35kg	ok	7.0kg	42.0kg	not ok	26.3kg	61.3kg	not ok	
		36kg	ok	7.2kg	43.2kg	not ok	27.0kg	63.0kg	not ok	
		37kg	ok	7.4kg	44.4kg	not ok	27.8kg	64.8kg	not ok	
		38kg	ok	7.6kg	45.6kg	not ok	28.5kg	66.5kg	not ok	
		39kg	ok	7.8kg	46.8kg	not ok	29.3kg	68.3kg	not ok	
		40kg	ok	8.0kg	48.0kg	not ok	30.0kg	70.0kg	not ok	

Please consult Hettich tech service if Hinge is used with Door closer or quotient* is less than 2. (*quotient=door height ÷ door width)

At least 3 pcs of hinges have to be installed on a door.

Type	min. door thickness	max door weight without door closer	total calculated door weight - only door leaf	added weight for door closer	total calculated door weight with door closer	Result	added weight if door closer with back check	total calculated door weight with door closer with back check	Result	max door size - otherwise contact tech service
HBC-28	40mm	24kg	ok	4.8kg	28.8kg	ok	18.0kg	42.0kg	ok	2200*1000
		25kg	ok	5.0kg	30.0kg	ok	18.8kg	43.8kg	ok	
		26kg	ok	5.2kg	31.2kg	ok	19.5kg	45.5kg	ok	
		27kg	ok	5.4kg	32.4kg	ok	20.3kg	47.3kg	ok	
		28kg	ok	5.6kg	33.6kg	ok	21.0kg	49.0kg	ok	
		29kg	ok	5.8kg	34.8kg	ok	21.8kg	50.8kg	ok	
		30kg	ok	6.0kg	36.0kg	ok	22.5kg	52.5kg	ok	
		31kg	ok	6.2kg	37.2kg	ok	23.3kg	54.3kg	ok	
		32kg	ok	6.4kg	38.4kg	ok	24.0kg	56.0kg	ok	
		33kg	ok	6.6kg	39.6kg	ok	24.8kg	57.8kg	ok	
		34kg	ok	6.8kg	40.8kg	ok	25.5kg	59.5kg	ok	
		35kg	ok	7.0kg	42.0kg	ok	26.3kg	61.3kg	ok	
		36kg	ok	7.2kg	43.2kg	ok	27.0kg	63.0kg	ok	
		37kg	ok	7.4kg	44.4kg	ok	27.8kg	64.8kg	ok	
		38kg	ok	7.6kg	45.6kg	ok	28.5kg	66.5kg	ok	
		39kg	ok	7.8kg	46.8kg	ok	29.3kg	68.3kg	ok	
		40kg	ok	8.0kg	48.0kg	ok	30.0kg	70.0kg	ok	
		41kg	ok	8.2kg	49.2kg	ok	30.8kg	71.8kg	ok	
		42kg	ok	8.4kg	50.4kg	ok	31.5kg	73.5kg	ok	
		43kg	ok	8.6kg	51.6kg	ok	32.3kg	75.3kg	ok	
		44kg	ok	8.8kg	52.8kg	ok	33.0kg	77.0kg	ok	
		45kg	ok	9.0kg	54.0kg	ok	33.8kg	78.8kg	ok	
		46kg	ok	9.2kg	55.2kg	ok	34.5kg	80.5kg	ok	
		47kg	ok	9.4kg	56.4kg	ok	35.3kg	82.3kg	not ok	
		48kg	ok	9.6kg	57.6kg	ok	36.0kg	84.0kg	not ok	
		49kg	ok	9.8kg	58.8kg	ok	36.8kg	85.8kg	not ok	
		50kg	ok	10.0kg	60.0kg	ok	37.5kg	87.5kg	not ok	
		51kg	ok	10.2kg	61.2kg	ok	38.3kg	89.3kg	not ok	
		52kg	ok	10.4kg	62.4kg	ok	39.0kg	91.0kg	not ok	
		53kg	ok	10.6kg	63.6kg	ok	39.8kg	92.8kg	not ok	
		54kg	ok	10.8kg	64.8kg	ok	40.5kg	94.5kg	not ok	
		55kg	ok	11.0kg	66.0kg	ok	41.3kg	96.3kg	not ok	
		56kg	ok	11.2kg	67.2kg	ok	42.0kg	98.0kg	not ok	
		57kg	ok	11.4kg	68.4kg	ok	42.8kg	99.8kg	not ok	
		58kg	ok	11.6kg	69.6kg	ok	43.5kg	101.5kg	not ok	
		59kg	ok	11.8kg	70.8kg	ok	44.3kg	103.3kg	not ok	
		60kg	ok	12.0kg	72.0kg	ok	45.0kg	105.0kg	not ok	
		61kg	ok	12.2kg	73.2kg	ok	45.8kg	106.8kg	not ok	
		62kg	ok	12.4kg	74.4kg	ok	46.5kg	108.5kg	not ok	
		63kg	ok	12.6kg	75.6kg	ok	47.3kg	110.3kg	not ok	
		64kg	ok	12.8kg	76.8kg	ok	48.0kg	112.0kg	not ok	
		65kg	ok	13.0kg	78.0kg	ok	48.8kg	113.8kg	not ok	
		66kg	ok	13.2kg	79.2kg	ok	49.5kg	115.5kg	not ok	
		67kg	ok	13.4kg	80.4kg	ok	50.3kg	117.3kg	not ok	
		68kg	ok	13.6kg	81.6kg	not ok	51.0kg	119.0kg	not ok	
		69kg	ok	13.8kg	82.8kg	not ok	51.8kg	120.8kg	not ok	
		70kg	ok	14.0kg	84.0kg	not ok	52.5kg	122.5kg	not ok	
		71kg	ok	14.2kg	85.2kg	not ok	53.3kg	124.3kg	not ok	
		72kg	ok	14.4kg	86.4kg	not ok	54.0kg	126.0kg	not ok	
		73kg	ok	14.6kg	87.6kg	not ok	54.8kg	127.8kg	not ok	
		74kg	ok	14.8kg	88.8kg	not ok	55.5kg	129.5kg	not ok	
		75kg	ok	15.0kg	90.0kg	not ok	56.3kg	131.3kg	not ok	
		76kg	ok	15.2kg	91.2kg	not ok	57.0kg	133.0kg	not ok	
		77kg	ok	15.4kg	92.4kg	not ok	57.8kg	134.8kg	not ok	
		78kg	ok	15.6kg	93.6kg	not ok	58.5kg	136.5kg	not ok	
		79kg	ok	15.8kg	94.8kg	not ok	59.3kg	138.3kg	not ok	
		80kg	ok	16.0kg	96.0kg	not ok	60.0kg	140.0kg	not ok	

At least 3 pcs of hinges have to be installed on a door.
Please consult Hettich tech service if Hinge is used with Door closer or quotient* is less than 2. (*quotient=door height ÷ door width)

Type	min. door thickness	max door weight without door closer	total calculated door weight - only door leaf	added weight for door closer	total calculated door weight with door closer	Result	added weight if door closer with back check	total calculated door weight with door closer with back check	Result	max door size - otherwise contact tech service			
HBC-34	45mm	47kg	ok	9.4kg	56.4kg	ok	35.3kg	82.3kg	ok	2200*1000			
		48kg	ok	9.6kg	57.6kg	ok	36.0kg	84.0kg	ok				
		49kg	ok	9.8kg	58.8kg	ok	36.8kg	85.8kg	ok				
		50kg	ok	10.0kg	60.0kg	ok	37.5kg	87.5kg	ok				
		51kg	ok	10.2kg	61.2kg	ok	38.3kg	89.3kg	ok				
		52kg	ok	10.4kg	62.4kg	ok	39.0kg	91.0kg	ok				
		53kg	ok	10.6kg	63.6kg	ok	39.8kg	92.8kg	ok				
		54kg	ok	10.8kg	64.8kg	ok	40.5kg	94.5kg	ok				
		55kg	ok	11.0kg	66.0kg	ok	41.3kg	96.3kg	ok				
		56kg	ok	11.2kg	67.2kg	ok	42.0kg	98.0kg	ok				
		57kg	ok	11.4kg	68.4kg	ok	42.8kg	99.8kg	ok				
		58kg	ok	11.6kg	69.6kg	ok	43.5kg	101.5kg	ok				
		59kg	ok	11.8kg	70.8kg	ok	44.3kg	103.3kg	ok				
		60kg	ok	12.0kg	72.0kg	ok	45.0kg	105.0kg	ok				
		61kg	ok	12.2kg	73.2kg	ok	45.8kg	106.8kg	ok				
		62kg	ok	12.4kg	74.4kg	ok	46.5kg	108.5kg	ok				
		63kg	ok	12.6kg	75.6kg	ok	47.3kg	110.3kg	ok				
		64kg	ok	12.8kg	76.8kg	ok	48.0kg	112.0kg	ok				
		65kg	ok	13.0kg	78.0kg	ok	48.8kg	113.8kg	ok				
		66kg	ok	13.2kg	79.2kg	ok	49.5kg	115.5kg	ok				
		67kg	ok	13.4kg	80.4kg	ok	50.3kg	117.3kg	ok				
		68kg	ok	13.6kg	81.6kg	ok	51.0kg	119.0kg	ok				
		69kg	ok	13.8kg	82.8kg	ok	51.8kg	120.8kg	ok				
		70kg	ok	14.0kg	84.0kg	ok	52.5kg	122.5kg	not ok				
		71kg	ok	14.2kg	85.2kg	ok	53.3kg	124.3kg	not ok				
		72kg	ok	14.4kg	86.4kg	ok	54.0kg	126.0kg	not ok				
		73kg	ok	14.6kg	87.6kg	ok	54.8kg	127.8kg	not ok				
		74kg	ok	14.8kg	88.8kg	ok	55.5kg	129.5kg	not ok				
		75kg	ok	15.0kg	90.0kg	ok	56.3kg	131.3kg	not ok				
		76kg	ok	15.2kg	91.2kg	ok	57.0kg	133.0kg	not ok				
		77kg	ok	15.4kg	92.4kg	ok	57.8kg	134.8kg	not ok				
		78kg	ok	15.6kg	93.6kg	ok	58.5kg	136.5kg	not ok				
		79kg	ok	15.8kg	94.8kg	ok	59.3kg	138.3kg	not ok				
		80kg	ok	16.0kg	96.0kg	ok	60.0kg	140.0kg	not ok				
		81kg	ok	16.2kg	97.2kg	ok	60.8kg	141.8kg	not ok				
		82kg	ok	16.4kg	98.4kg	ok	61.5kg	143.5kg	not ok				
		83kg	ok	16.6kg	99.6kg	ok	62.3kg	145.3kg	not ok				
		84kg	ok	16.8kg	100.8kg	ok	63.0kg	147.0kg	not ok				
		85kg	ok	17.0kg	102.0kg	ok	63.8kg	148.8kg	not ok				
		86kg	ok	17.2kg	103.2kg	ok	64.5kg	150.5kg	not ok				
		87kg	ok	17.4kg	104.4kg	ok	65.3kg	152.3kg	not ok				
		88kg	ok	17.6kg	105.6kg	ok	66.0kg	154.0kg	not ok				
		89kg	ok	17.8kg	106.8kg	ok	66.8kg	155.8kg	not ok				
		90kg	ok	18.0kg	108.0kg	ok	67.5kg	157.5kg	not ok				
		91kg	ok	18.2kg	109.2kg	ok	68.3kg	159.3kg	not ok				
		92kg	ok	18.4kg	110.4kg	ok	69.0kg	161.0kg	not ok				
		93kg	ok	18.6kg	111.6kg	ok	69.8kg	162.8kg	not ok				
		94kg	ok	18.8kg	112.8kg	ok	70.5kg	164.5kg	not ok				
		95kg	ok	19.0kg	114.0kg	ok	71.3kg	166.3kg	not ok				
		96kg	ok	19.2kg	115.2kg	ok	72.0kg	168.0kg	not ok				
		97kg	ok	19.4kg	116.4kg	ok	72.8kg	169.8kg	not ok				
		98kg	ok	19.6kg	117.6kg	ok	73.5kg	171.5kg	not ok				
		99kg	ok	19.8kg	118.8kg	ok	74.3kg	173.3kg	not ok				
		100kg	ok	20.0kg	120.0kg	ok	75.0kg	175.0kg	not ok				
		101kg	ok	20.2kg	121.2kg	not ok	75.8kg	176.8kg	not ok				
		102kg	ok	20.4kg	122.4kg	not ok	76.5kg	178.5kg	not ok				
		103kg	ok	20.6kg	123.6kg	not ok	77.3kg	180.3kg	not ok				
		104kg	ok	20.8kg	124.8kg	not ok	78.0kg	182.0kg	not ok				
		105kg	ok	21.0kg	126.0kg	not ok	78.8kg	183.8kg	not ok				
		106kg	ok	21.2kg	127.2kg	not ok	79.5kg	185.5kg	not ok				
		107kg	ok	21.4kg	128.4kg	not ok	80.3kg	187.3kg	not ok				
		108kg	ok	21.6kg	129.6kg	not ok	81.0kg	189.0kg	not ok				
		109kg	ok	21.8kg	130.8kg	not ok	81.8kg	190.8kg	not ok				
		110kg	ok	22.0kg	132.0kg	not ok	82.5kg	192.5kg	not ok				
		111kg	ok	22.2kg	133.2kg	not ok	83.3kg	194.3kg	not ok				
		112kg	ok	22.4kg	134.4kg	not ok	84.0kg	196.0kg	not ok				
		113kg	ok	22.6kg	135.6kg	not ok	84.8kg	197.8kg	not ok				
		114kg	ok	22.8kg	136.8kg	not ok	85.5kg	199.5kg	not ok				
		115kg	ok	23.0kg	138.0kg	not ok	86.3kg	201.3kg	not ok				
		116kg	ok	23.2kg	139.2kg	not ok	87.0kg	203.0kg	not ok				
		117kg	ok	23.4kg	140.4kg	not ok	87.8kg	204.8kg	not ok				
		118kg	ok	23.6kg	141.6kg	not ok	88.5kg	206.5kg	not ok				
		119kg	ok	23.8kg	142.8kg	not ok	89.3kg	208.3kg	not ok				
		120kg	ok	24.0kg	144.0kg	not ok	90.0kg	210.0kg	not ok				
		At least 3 pcs of hinges have to be installed on a door. Please consult Hettich tech service if Hinge is used with Door closer or quotient* is less than 2. (*quotient=door height ÷ door width)											

Registered & Head Office

Hettich India Private Limited
302, Durolite House,
Opp. SAB TV, New Link Road,
Andheri (West), Mumbai - 400 053
Phone: +91 22 2674 3289/3356/4089

Hettich India Private Limited
A-26/4, 1st floor,
Mohan Co-operative Industrial Estate,
New Delhi - 110 044
Phone: +91 11 4889 4000, 4889 4005

Manufacturing Sites

Vadodara:
Hettich India Private Limited
Plot No. 304, Dhanora,
Nandesari Road,
Near ECPL,
Village - Dhanora - 391 346
Dist. - Vadodara, Gujarat

Indore:
Hettich India Private Limited
Plot No 1, Sector 5,
Mhow - Neemuch Road,
Opp Lupin Ltd, Pithampur Industrial,
Pithampur - 454 774
Madhya Pradesh

05_2015

Experience Centres

New Delhi:
61, Punchkuian Road,
Near RK Ashram Metro,
Opposite Pillar No 4,
New Delhi - 110001
Ph. No. : +91 11 4750 8320

Chennai:
"Heavitree", Ground Floor,
47, Spur Tank Road,
Chetpet, Chennai - 600 031
Ph. No. : +91 44 4263 7227

Hyderabad:
" Sai Krishna "
797 - A, 2nd Floor,
Road No. 36, Jubilee Hills,
Hyderabad - 500 034
Ph. No. : +91 40 2355 8994

Ahmedabad:
1st Floor, Unit No. 102,
Safal Pegasus, Anand Nagar,
Ahmedabad - 380 015
Ph. No. : +91 79 4032 2824
+91 84 4838 5318

Nepal:
Liasion Office Nepal
Hariharbhawan-03, Pulchowk,
Lalitpur 44600

Mumbai:
Ground Fl./302, Durolite House, Opp. SAB TV,
New Link Road, Andheri (West),
Mumbai - 400 053
Ph.No. : +91 22 2639 9707

Bengaluru:
Adventz Center, Ground Floor 28,
Cubbon Road, Shivaji Nagar,
Bangalore - 560 001
Ph. No. : +91 98679 38199

Chandigarh:
2nd Floor, Sanjeev Tower, Plot no. 55,
Industrial & Business park, Phase 1,
Chandigarh - 160 002
Ph. No. : +91 172 5012 347

Indore:
Ground Floor & 1st Floor, Asteria Pride,
Plot No.86, Scheme no. - 114-II, AB Road,
(Near Doshi Honda) Indore,
Madhya Pradesh 452 010.
Ph. No. : +91 96 9168 4480

Kolkata:
2nd Floor, Unit Number 2A,
Tirumala 22, East Topsia Road,
At Topsia Tangra Crossing
Kolkata - 700 046
Ph. No. : +91 98310 12054

Kochi:
41/2062D, 2nd Floor
Palarivattom signal
junction, NH 47 By-pass,
Kochi - 682 028
Ph. No. : +91 48 4402 8242

Gurugram:
Global Business Park, Tower - A, 5th Floor,
Mehrauli-Gurgaon Rd, Sikanderpur,
Sector 26, Gurugram, Haryana 122 002.
Ph. No. : +91 124 4221670

Pune:
Server Spacer ,
Survey No. 127/1A,
Plot No. 8, Off. ITI Road, Aundh,
Pune - 411 007
Ph. No : +91 72 0847 6557

Training Centres

Faridabad:
Hettich Poddar WoodWorking Institute
Plot No.2, 1st Floor,
DLF Industrial Estate-1
Near NHPC Metro Station,
Faridabad - Haryana- 121003
Ph: +91 129 4203888
Email: information@hpwwi.com

Mumbai:
Hettich Poddar WoodWorking Institute
Gala no. 3 Gopal Estate,
Devi Dayal Compound, L.B.S. Marg,
Bhandup (West),
Mumbai - 400 078,
Maharashtra
Email: information@hpwwi.com

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