

CATALOGUE

# ACCESS SOLUTIONS



# WELCOME TO ESSENTRA

We are global manufacturers and distributors of vital component parts for hundreds of markets and thousands of products. We're proud of what we do and believe that even the smallest products have a big part to play.



**12**

Manufacturing  
Facilities

**>1**

BILLION  
Parts in  
stock

**30,000**

Products  
available

**47**

Sale & Distribution  
Operations

**4**

R&D  
Centres

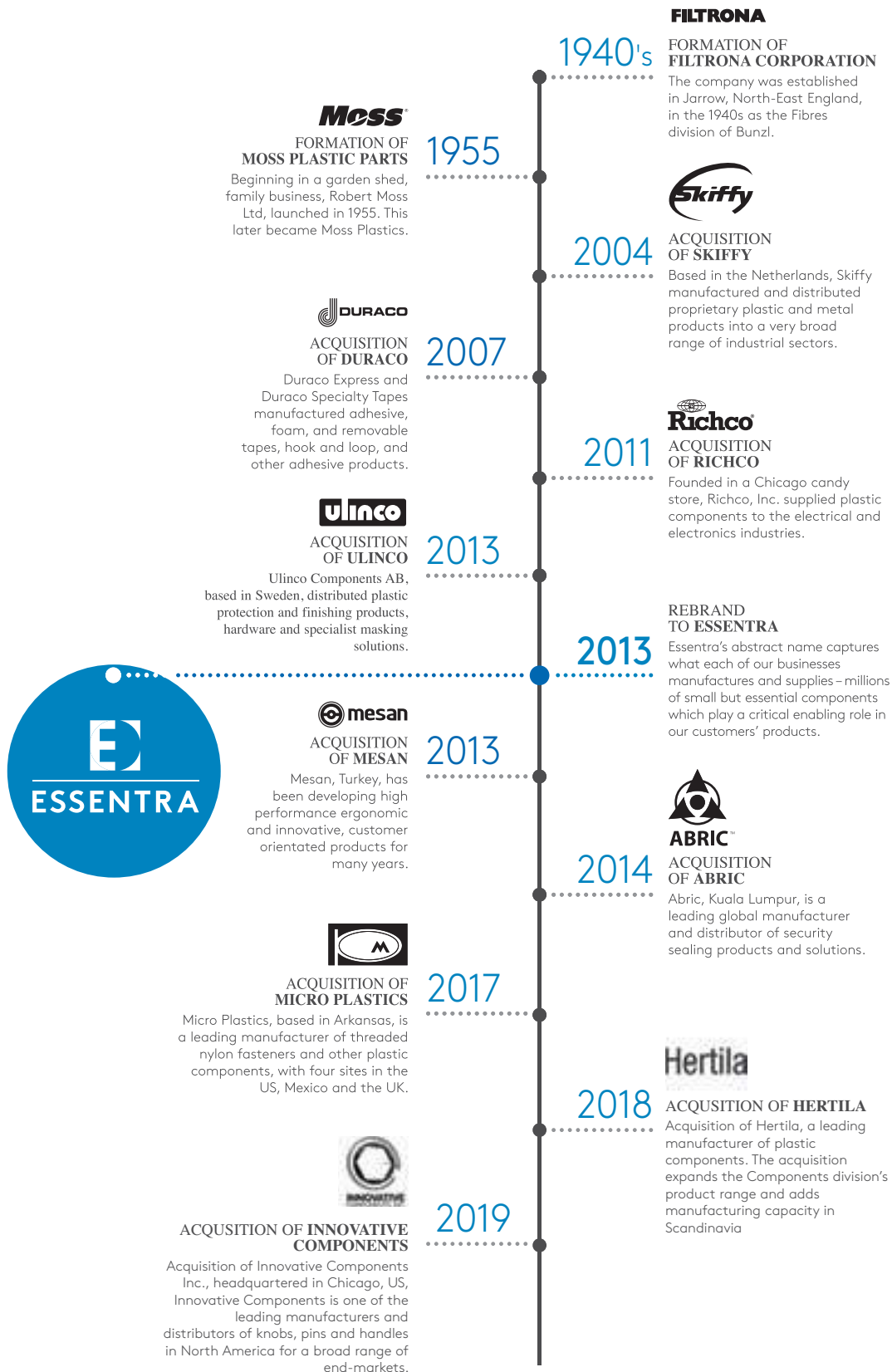
## GLOBAL REACH WITH LOCAL SUPPORT

We bring together the best products,  
ideas and distribution.



# WHO IS ESSENTRA COMPONENTS?

Whether you have a global or local project, with over 75 years' experience, and worldwide coverage, we are here to help you.



# ACCESS SOLUTIONS

Whatever your project demands, we can help with a comprehensive range of access hardware and custom solutions.

Our essential solutions are delivered with consistent quality, reliability and supported by outstanding customer service. With free CAD's, samples and specialist advice available, there is no better choice for your solutions provider.



## INDUSTRIES

Our expertise ranges across multiple industries, supported by outstanding customer service. We can reduce your lead times, and provide custom solutions and specialist advice to help you achieve your business goals.



Indoor & Outdoor  
Cabinets



IT Cabinets



Transformers



Industrial  
Machinery



Power  
Generators



HVAC



Commercial  
Vehicles



Rail  
Transportation



Road  
Transportation



Food  
Industry



Diversified  
Applications



Medical  
Devices



## LOCKS/LATCHES



Our locks give you what you need for every application. Materials range from durable polyamide and steel cams to corrosion-resistant stainless steel. With locks for both indoor and outdoor applications, high or low security needs, our products combine both form and function.

## HINGES



You're spoiled for choice with our range of high quality hinges. Be it plain or flush mounted doors or cabinets, concealed hinges or side hinges. Made from high security and corrosion resistant materials, there is a hinge for all your needs.

## GASKETS



Prevent liquid or gas leaks with our high-performance gasketing & sealing solutions. Easy to apply and available in a range of materials, including PVC, EDPM, rubber blends, and a blend of neoprene, nitrile and PVC.

## ACCESSORIES & HANDLES



An extensive range of accessories are designed and manufactured for a variety of industries and applications using rubber, plastic and aluminum. Manufactured with ergonomics and aesthetics in mind, our handles utilise reinforced plastics and aluminum to assure an easy fitting.

## ELECTRONIC



ELS, our integrated access control system incorporates electromechanical locks, access control units and a monitoring system complete with system sensors. The sensors can detect use, allow management of temperature and maintain cabinet security. Use an RFID card, keypad or remote control to manage door access and retrieve detailed reports of cabinet status whenever you need it.

## CUSTOM SOLUTIONS

Sometimes you may not find the perfect solution amongst our portfolio of standard products. You may require a small variation, an alternative colour, material or size.

Talk to our in-house team of design engineers and work directly with our R&D and manufacturing centres to create a bespoke solution to meet your needs.

We utilise 3D printing technology to showcase our designs which ensures your specifications are met and assists in expediting lead times from quotation to delivery.

### Capabilities

- Design bespoke products
- Range of colour choices
- Customer logo requirement

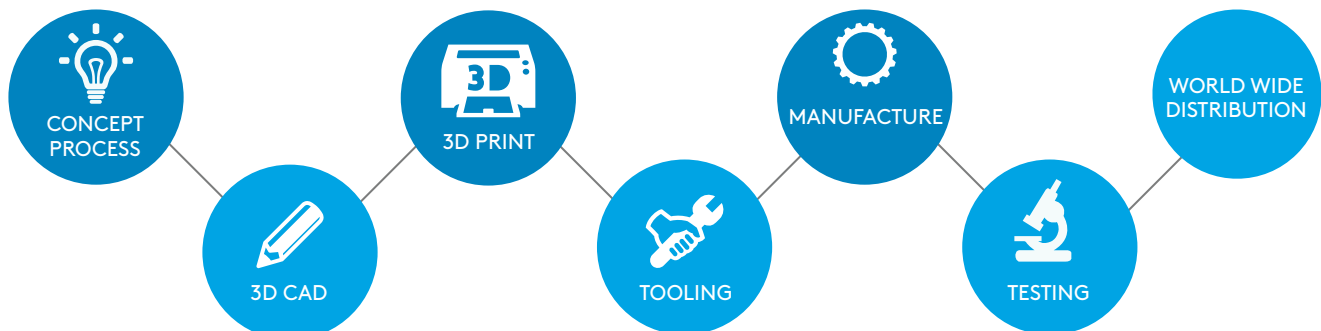


## R&D

Facilitated by our state of the art R&D facilities we are enabled constantly pursuing innovation to offer new and alternative solutions to you and your customers everyday problems.

### Technical capabilities

- Proven in-house engineering design team
- All items available in 3D CAD
- Advantage of 3D printing
- Cross-sector experience





## PRODUCTION

Our philosophy in production centres on delivering value to our customers by producing high quality components, on time and at low cost. With the introduction of CNC controlled machines and robot technologies, a significant increase in capacity and quality has been achieved.

### Manufacturing technology

- Zinc Die Casting
- Aluminium Die Casting
- Plastic Injection Moulding
- Stamping
- Machining
- Polyurethane Sealing Foam Technology
- Barrel, Cylinder, Keys Technology
- Tool Manufacture Technology
- Custom Machines (Sand blasting ,Laser marking etc)
- Powder Coating



## QUALITY

We understand that continuous improvement in all of our processes drives customer satisfaction. We ensure our products exceed customer expectations, whilst adhering to technical and legal requirements. Our products are manufactured to comply with RoHS standards, and meet obligations concerning the Registration, Evaluation, Authorisation, and Restriction of Chemicals (REACH)

We operate a stringent quality assurance programme, ensuring procedural controls are applied to all activities that affect the quality of our products and services.

### Our Quality Approved Certificates:



Quality  
Management  
Systems



Automotive  
Quality  
Management



Health and Safety  
Management  
Systems



Energy  
Management  
Systems



Environmental  
Management  
Systems



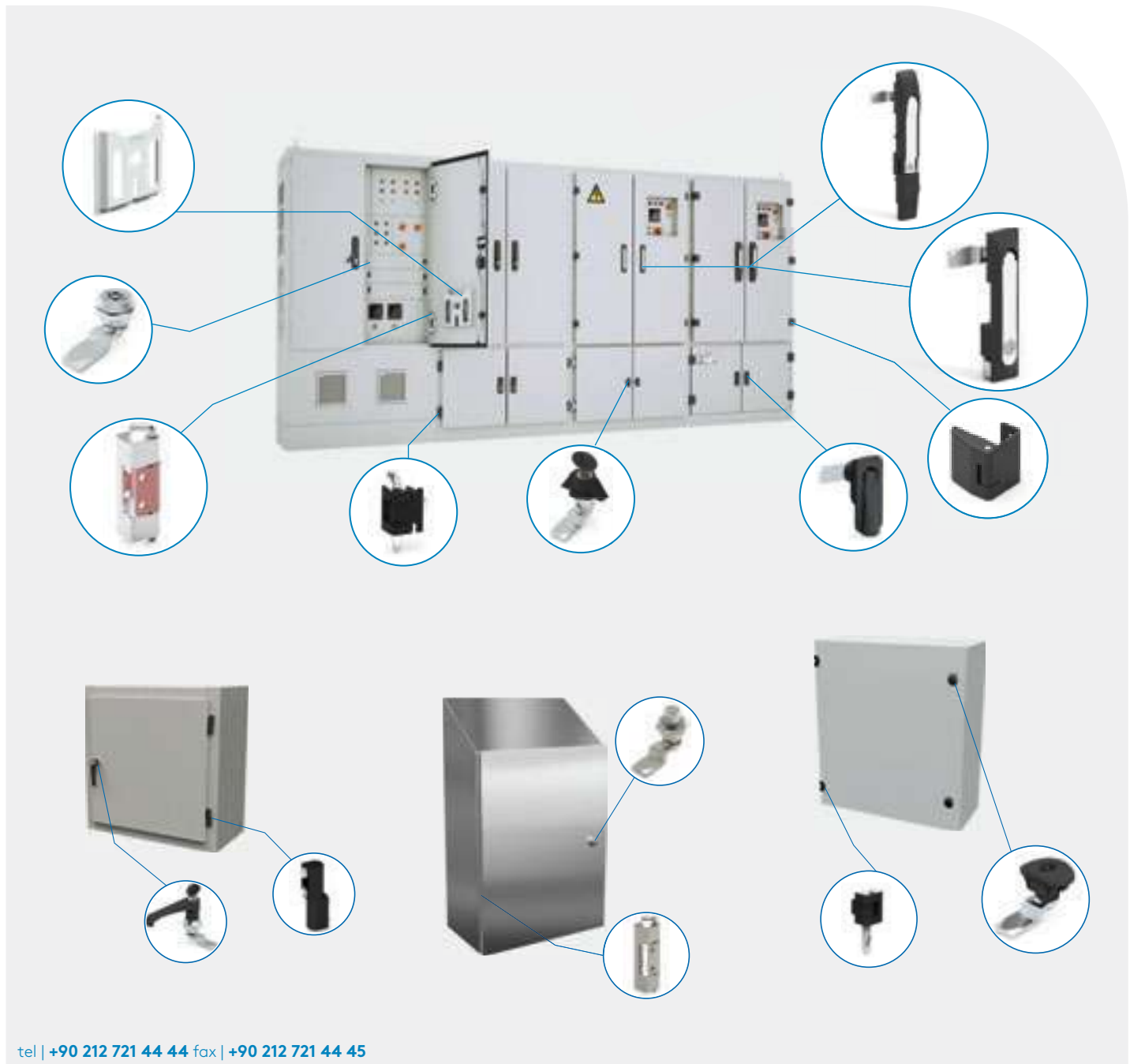
Information  
Security  
Management



A CLOSER LOOK

## INDOOR CABINETS

Mesan Locks boasts an extensive range of secure switchgears, primarily for use on indoor cabinets. The range covers Swinghandles, Linear Locking Systems, 3 Point Locking Systems, Multipoint Locking systems, Quarter Turns, Camlocks, Hinges, Gaskets, and Project Holders.





A CLOSER LOOK

## OUTDOOR CABINETS

Specialist cabinet locks are required for a variety of applications not limited to ADSL, Telecommunication and CCTV applications. We offer a wide range of products in this sector including high security 1/2 din locks and RC2 standard locks.







Our eclectic product range means we've got a solution no matter your needs. With our customer-centric designs, alternative solutions and our high-standard products, we can meet all your needs for both basic and sound proof canopies.





A CLOSER LOOK

## TRANSFORMERS

When working with transformers, it's important that all entry points are kept secure, particularly areas that contain medium voltage cells. Our solutions are high quality and secure, including our technically designed explosion resistant hinges and locks.

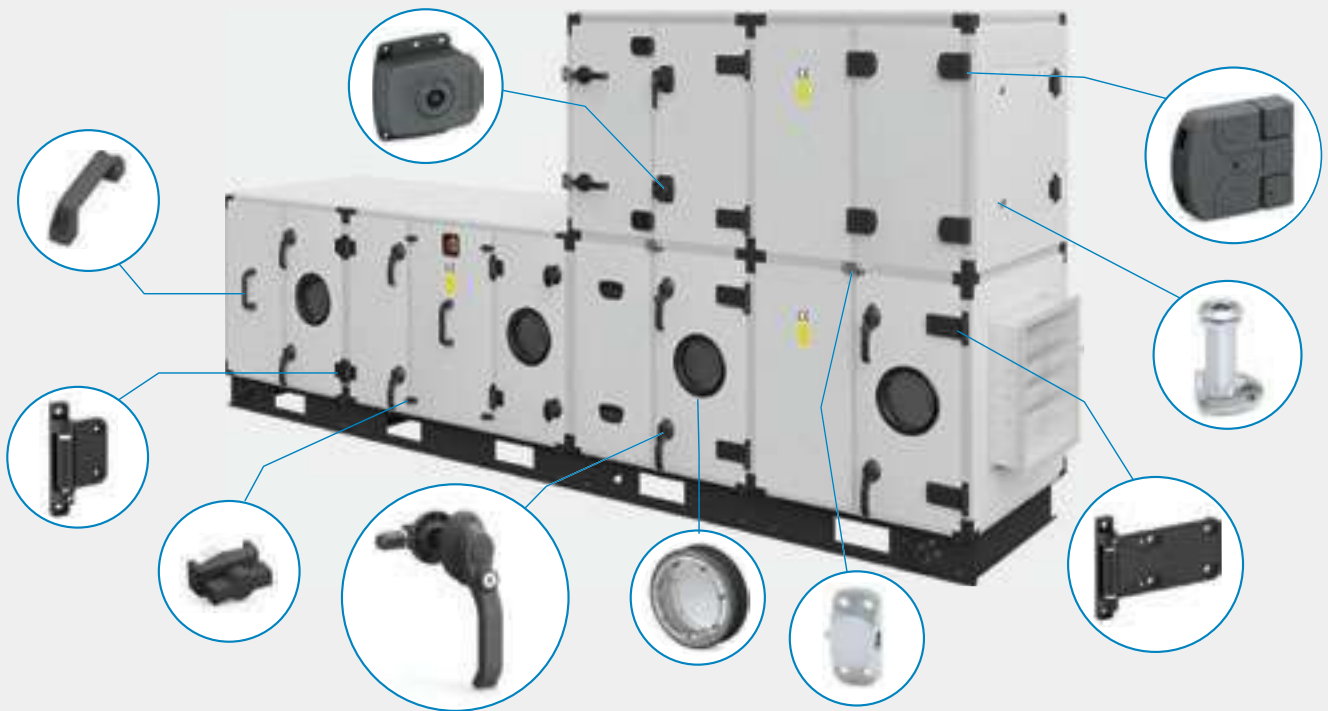




## A CLOSER LOOK

## HVAC

Outdoor HVAC cabinets need to cope with the differing environments in which they are used while ergonomics, functionality and modular system solutions are common needs. Our solutions are designed with this in mind so no matter the application, our offering will meet your needs.







## A CLOSER LOOK

## IT CABINETS

With sensitive data becoming more and more prevalent, it's now more important than ever to securely manage your electronic cabinets. We've designed a range of high-tech Electromechanical Locking Systems to help monitor and track internal environments and entry to cabinets.

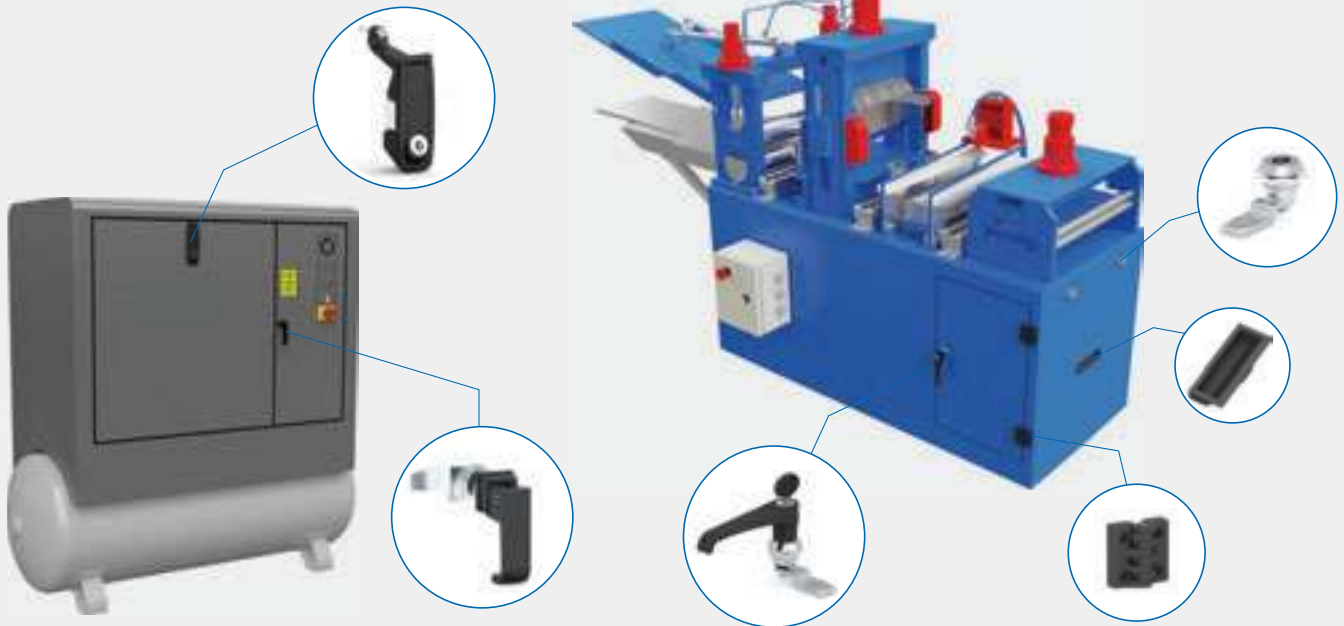




A CLOSER LOOK

## INDUSTRIAL MACHINERY

Whether you're building indoor or outdoor machines, sealing, noise isolation and vibration reduction are some of your most important considerations. Mesan Locks offers a wide range of solutions designed to meet your specific requirements.





A CLOSER LOOK

## DIVERSIFIED APPLICATIONS

Our expertise spans across many industries, allowing catered solutions to be produced for a number of non-standard applications.

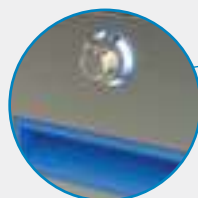
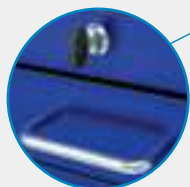
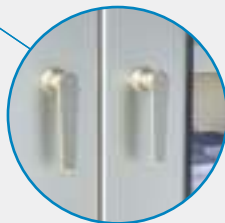




A CLOSER LOOK

## MEDICAL DEVICES

We offer a wide range of access solutions for the health industry, including essential equipment and medical. With our mechanical and electronic locks, hinges, handles, accessories and fittings, we provide security, safety and comfort with hygienic standards to healthcare professionals.







A CLOSER LOOK

## RAIL TRANSPORTATION

Suitable for both subway trains and high speed trains our compression latches, are certified to DIN EN 60068-2-64 [04/2011]. Many of our sealing products, trigger latches and heavy duty hinges are also UL 94 certified.

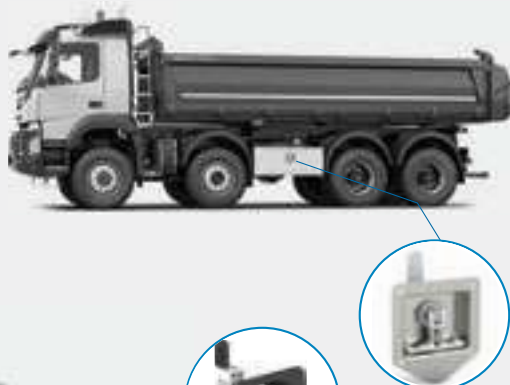




A CLOSER LOOK

## COMMERCIAL VEHICLES

Construction vehicles, heavy-duty trucks and utility trucks all have one thing in common. They need robust and safe handles, locks and hinges. We provide these vehicles with pretty much any solutions you can think of for both the interior and exterior.



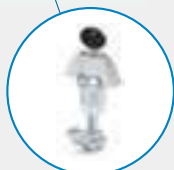




A CLOSER LOOK

## ROAD TRANSPORTATION

We produce solutions for commercial car, caravans, minibus, and buses. Our range is specifically catered to the needs of these applications, offering paddle latches, quarter turn locks and latches, custom hinges, sealing products, and many other functional solutions.



# JUST A FEW OF OUR **STANDARD PRODUCTS**

## FOR ELECTRICAL



IP65 Push Buttons



Rocker Switch



Standard Grommets

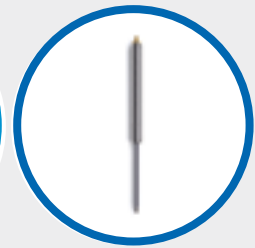
## FOR ENCLOSURES



Draw Slides



Adjustable Force Gas  
Struts



Metal Gas Struts

## FOR EQUIPMENT CONTROL



Index Plunger



Cam Switches



Handles

## AND THERE IS MORE...



Masking Plugs



Tapered Caps



Masking Tapes

**REQUEST OUR FULL COMPONENTS CATALOGUE!**

**OVER 30,000 STANDARD PRODUCTS  
FOR FAST DISPATCH**



Nylon Cable Glands



Vent Plugs



Twist Ties



Cable Ties



Key Operated Push Button



EMI Gasket



Flipper Gasket



Side Bubble Gasket



Heavy Duty Lid Stay



Vibration Mounts



Handwheels



Industrial Feet



Machine Feet



Cam Levers



Castors



Support Hooks



Masking Bags



Screw Rivet Fasteners



Quarter Turn & Snap Latches



Rack Panel Quarter Turn Fastener

## GO ONLINE:

- REQUEST FREE SAMPLES
- 3D CAD DRAWINGS
- ORDER ONLINE



# PRODUCT GROUPS



**SWINGHANDLES**  
24 – 51



**ROD-LATCH SYSTEM**  
52 – 87



**HEAVY-DUTY LOCKS**  
88 – 115



**MISCELLANEOUS PRODUCTS**  
116 – 167



**CAMS, KEYS, RODS & ROD GUIDES**  
168 – 191



**QUARTER-TURN LOCKS**  
192 – 245



**CAM LOCKS**  
246 – 271



**FURNITURE & STEEL CUPBOARD LOCKS**  
272 – 285



#### **SIDE HINGES**

286 – 299



#### **CONCEALED HINGES**

300 – 333



#### **CORNER HINGES**

334 – 351



#### **FLAT HINGES**

352 – 385



#### **GASKETS**

386 – 401



#### **HANDLES**

402 – 419



#### **ACCESSORIES**

420 – 441



#### **STAINLESS STEEL PRODUCTS**

442 – 517



#### **ELECTRONIC LOCKING SYSTEM**

518 – 547



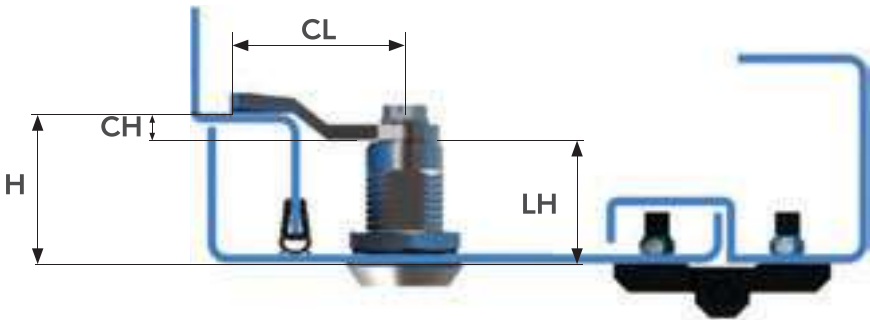
PRODUCT CODE DESCRIPTIONS

| DESCRIPTIONS   |                                    | MATERIALS AND FINISH OPTIONS |                 |
|----------------|------------------------------------|------------------------------|-----------------|
| <div></div>    | GROUP CODE                         |                              |                 |
| <div>M</div>   | MATERIAL                           | <div>M</div>                 | MATERIAL        |
|                |                                    | 1                            | Zamak           |
|                |                                    | 2                            | Plastic         |
|                |                                    | 3                            | Brass           |
|                |                                    | 4                            | Stainless steel |
|                |                                    | 5                            | Aluminium       |
|                |                                    | 6                            | Steel           |
| <div>F</div>   | FINISH                             | <div>F</div>                 | FINISH          |
|                |                                    | 0                            | No finish       |
|                |                                    | 1                            | Chrome          |
|                |                                    | 2                            | Black coated    |
|                |                                    | 3                            | Zinc plated     |
|                |                                    | 7                            | Matt anodized   |
| <div>DD</div>  | CYLINDER - DRIVER                  |                              |                 |
| <div>CC</div>  | CAM                                |                              |                 |
| <div>V</div>   | VERSION                            |                              |                 |
| <div>DT</div>  | DOOR THICKNESS                     |                              |                 |
| <div>L</div>   | LENGTH                             |                              |                 |
| <div>H</div>   | HEIGHT                             |                              |                 |
| <div>LH</div>  | HOUSING LENGTH                     |                              |                 |
| <div>P</div>   | PIN                                |                              |                 |
| <div>001</div> | RIGHT HAND                         |                              |                 |
| <div>002</div> | LEFT HAND                          |                              |                 |
| <div>1</div>   | OPTIONAL / IP 65                   |                              |                 |
| <div>1</div>   | OPTIONAL / PADLOCK HASP            |                              |                 |
| <div>2</div>   | OPTIONAL / DUST CAP                |                              |                 |
| <div>12</div>  | OPTIONAL / PADLOCK HASP + DUST CAP |                              |                 |

| EXAMPLE PRODUCT CODE |                          |   |      |   |     |
|----------------------|--------------------------|---|------|---|-----|
| Group Code           | Housing                  |   | Knob |   | Cam |
| 062                  | M                        | F | M    | F | CC  |
| ↓                    | ↓                        | ↓ | ↓    | ↓ | ↓   |
| 062                  | 1                        | 1 | 2    | 0 | 42  |
| 062                  | Quarter turn – wing knob |   |      |   |     |
| 1                    | Zamak material (Housing) |   |      |   |     |
| 1                    | Chrome plated (Housing)  |   |      |   |     |
| 2                    | Plastic material (Knob)  |   |      |   |     |
| 0                    | No Finish (Knob)         |   |      |   |     |
| 42                   | Cam: 7x49 mm             |   |      |   |     |

TECHNICAL DRAWING DESCRIPTIONS

- H: Grip
- LH: Housing length
- CL: Cam length
- CH: Cam height



## DOOR-LOCKING DIRECTIONS



## SYMBOLS

|                                                                                                                     |                                                                                                                       |                                                                                                        |
|---------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
|  RoHS Compliant                  |  Foam gasketing                    |  Position control |
|  Anti Bacterial                  |  Clip-in assembling                |  Lift-off hinge   |
|  IP 65 sealing level             |  Padlock version                   |  Side hinge       |
|  IP 66 sealing level             |  Profile cylinder                  |  Concealed hinge  |
|  IP 54 sealing level             |  Outside the gasketing             |  Corner hinge     |
|  Suitable for left or right hand |  Inside the gasketing              |  Flat hinge       |
|  Left hand only                  |  Compression specification of lock |  Three dimensions |
|  Right hand only                 |  Earthing                          |  Two dimensions   |

## EXPLANATIONS

- \* All dimensions are in millimetres (mm)
- \* We comply with RoHS
- \* Finishes comply with TS EN 12540
- \* We reserve the right to make changes to product specifications without prior notice
- \* Our polyamide products and EPDM gasket products can be produced as flame resistant to comply with the UL94 standard
- \* All images, text and designs contained within this catalogue remain the copyright of Essentra Components



26



27



28



29



30



31



32-33



34



35



36-37



38



39



40



41



42



43



44-45



46-47



48



49-50



# SWINGHANDLES

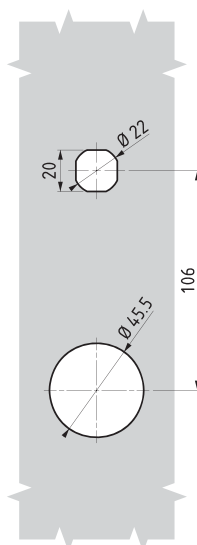
24-51



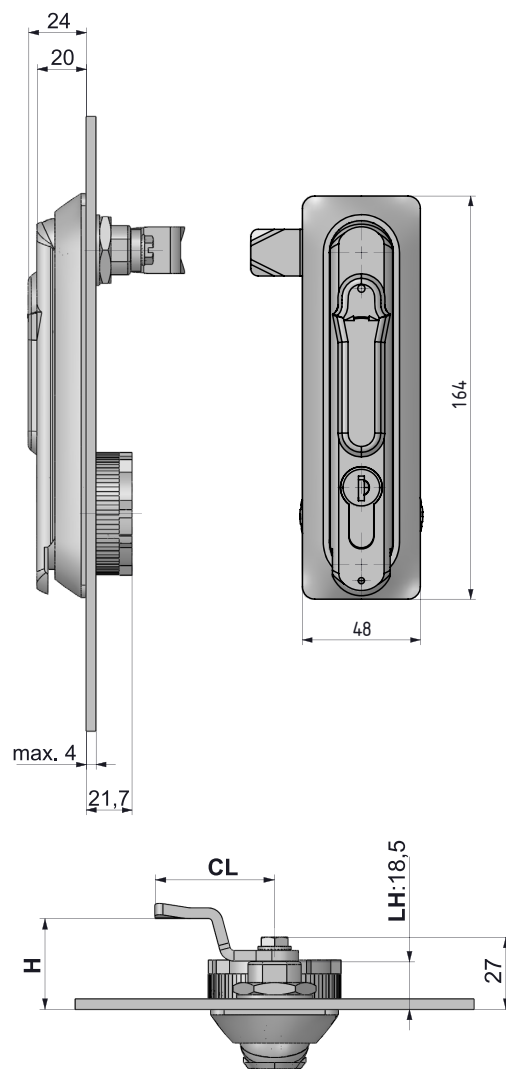
**mesan**  
ESSENTA COMPONENTS

SWINGHANDLE

001



Cut Out



- Small version: page 28
- For steel and polyester cabinets
- 40 mm Euro Profile single-cylinder fitted
- For 42 mm Euro Profile single-cylinder contact Essentra

**MATERIAL**

**BODY:** Polyamide DIN-EN ISO 1043-1 PA6 GFR 30  
**HANDLE:** Polyamide DIN-EN ISO 1043-1 PA6 GFR 30  
**CYLINDER:** Zamak DIN-EN 1774-ZnAl4Cu1  
**CAM:** Steel  
**SEAL:** Rubber



Padlock application

- For cams please check pages: 170 - 171
- For keys please check pages: 189 - 191
- For rods please check pages 178 - 188

| CYLINDER TYPE                                                                       |                                         | DD |
|-------------------------------------------------------------------------------------|-----------------------------------------|----|
|  | Keyed alike (Stainless steel dust cap)  | 03 |
|                                                                                     | Keyed differ (Stainless steel dust cap) | 32 |
|                                                                                     | Master system                           | 04 |
|                                                                                     | Euro key (5333)                         | 05 |
|                                                                                     | CH751 (Stainless steel dust cap)        | 07 |
| DRIVER TYPE                                                                         |                                         | DD |
|  | 5 mm Double bit                         | 15 |
|                                                                                     | 8 mm Square                             | 28 |
|                                                                                     | 9 mm Triangular                         | 39 |
|                                                                                     | Eastern                                 | 91 |
| HIGH-SECURITY CYLINDER (Zamak)                                                      |                                         | DD |
|  | Keyed alike                             | 22 |
|                                                                                     | Keyed differ                            | 23 |
| NO CYLINDER                                                                         |                                         | DD |
|  | Plastic blind cylinder                  | 24 |

| Group Code | Driver Cylinder | Cam | Padlock* |
|------------|-----------------|-----|----------|
| 001        | DD              | CC  |          |

\*: add "1" for padlock application





201

SWINGHANDLE



- For steel and polyester cabinets
- 40 mm Euro Profile single-cylinder fitted
- For 42 mm Euro Profile single-cylinder contact Essentra

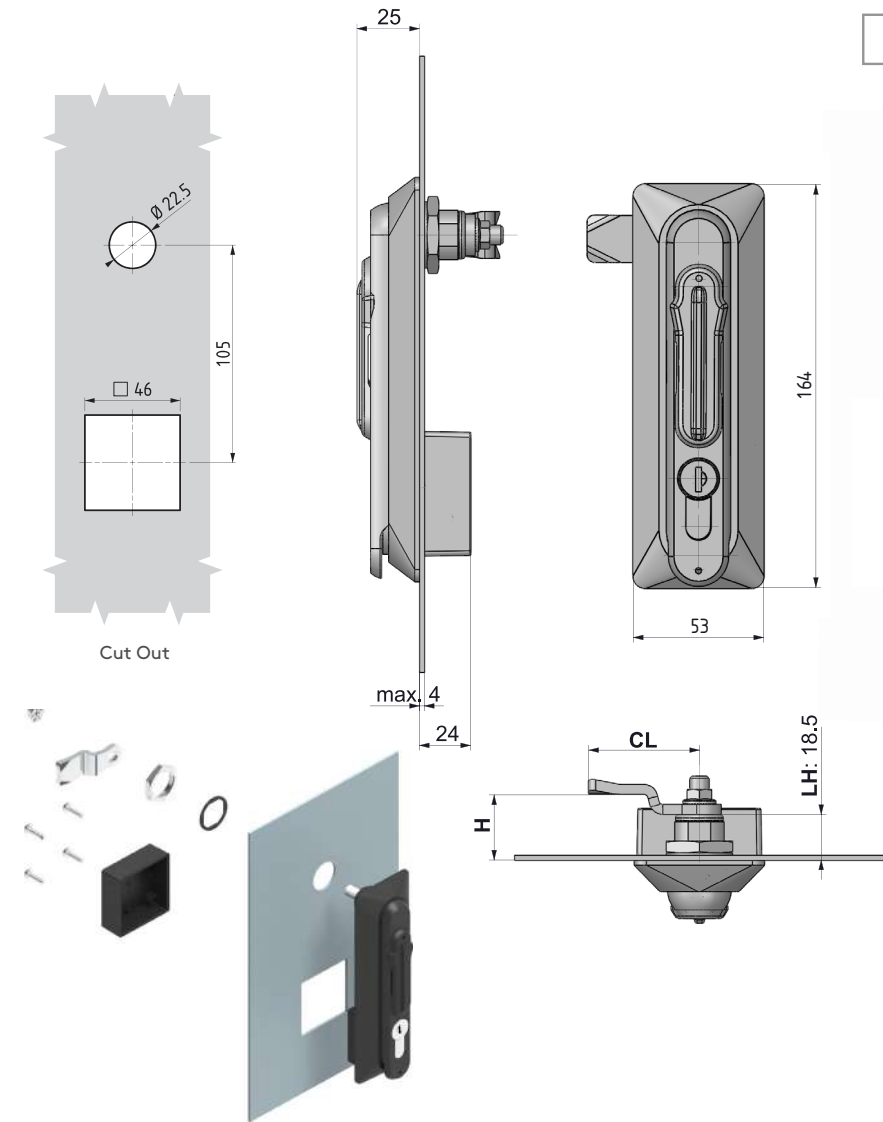
## MATERIAL

BODY: Polyamide DIN-EN ISO 1043-1 PA6 GFR 30  
 HANDLE: Polyamide DIN-EN ISO 1043-1 PA6 GFR 30  
 TOZ K.: Zamak DIN-EN 1774-ZnAl4Cu1  
 CYLINDER: Zamak DIN-EN 1774-ZnAl4Cu1  
 CAM: Steel  
 SEAL: Rubber



Padlock application

- For cams please check pages: 170 - 171
- For keys please check pages: 189 - 191
- For rods please check pages 178 - 188



| CYLINDER TYPE                  |                                         | DD |
|--------------------------------|-----------------------------------------|----|
|                                | Keyed alike (Stainless steel dust cap)  | 03 |
|                                | Keyed differ (Stainless steel dust cap) | 32 |
|                                | Master system                           | 04 |
|                                | Euro key (5333)                         | 05 |
|                                | CH751 (Stainless steel dust cap)        | 07 |
| DRIVER TYPE                    |                                         | DD |
|                                | 5 mm Double bit                         | 15 |
|                                | 8 mm Square                             | 28 |
|                                | 9 mm Triangular                         | 39 |
|                                | Eastern                                 | 91 |
| HIGH-SECURITY CYLINDER (Zamak) |                                         | DD |
|                                | Keyed alike                             | 22 |
|                                | Keyed differ                            | 23 |
| NO CYLINDER                    |                                         | DD |
|                                | Plastic blind cylinder                  | 24 |

| Group Code | Driver Cylinder | Cam | Padlock* |
|------------|-----------------|-----|----------|
| 201        | DD              | CC  |          |

\*: add "1" for padlock application

**SWINGHANDLE**

**001**

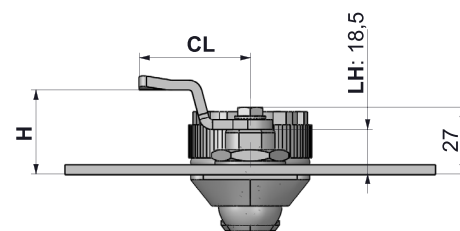
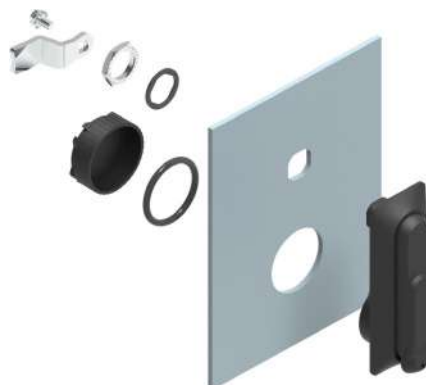
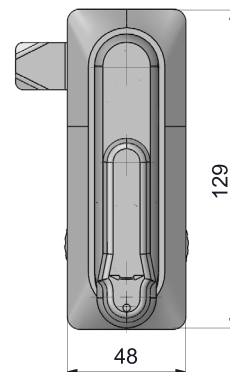
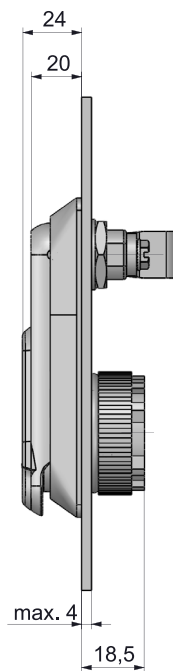
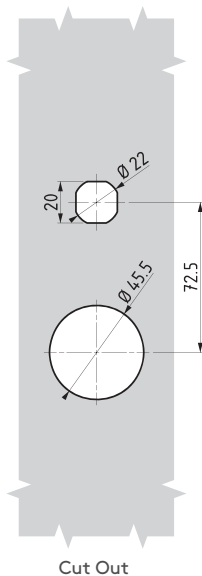
**SMALL VERSION**



- Large version: page 26
- For steel and polyester cabinets
- 40 mm Euro Profile single-cylinder fitted

**MATERIAL**

**BODY:** Polyamide DIN-EN ISO 1043-1 PA6 GFR 30  
**HANDLE:** Polyamide DIN-EN ISO 1043-1 PA6GFR 30  
**CYLINDER:** Zamak DIN-EN 1774-ZnAl4Cu1  
**CAM:** Steel  
**SEAL:** Rubber



| CYLINDER TYPE                                                                       |                                         | DD |
|-------------------------------------------------------------------------------------|-----------------------------------------|----|
|  | Keyed alike (Stainless steel dust cap)  | 03 |
|                                                                                     | Keyed differ (Stainless steel dust cap) | 32 |
|                                                                                     | Master system                           | 04 |
|                                                                                     | Euro key (5333)                         | 05 |
|                                                                                     | CH751 (Stainless steel dust cap)        | 07 |
| DRIVER TYPE                                                                         |                                         | DD |
|  | 5 mm Double bit                         | 15 |
|                                                                                     | 8 mm Square                             | 28 |
|                                                                                     | 9 mm Triangular                         | 39 |
|                                                                                     | Eastern                                 | 91 |
| HIGH-SECURITY CYLINDER (Zamak)                                                      |                                         | DD |
|  | Keyed alike                             | 22 |
|                                                                                     | Keyed differ                            | 23 |
| NO CYLINDER                                                                         |                                         | DD |
|  | Plastic blind cylinder                  | 24 |

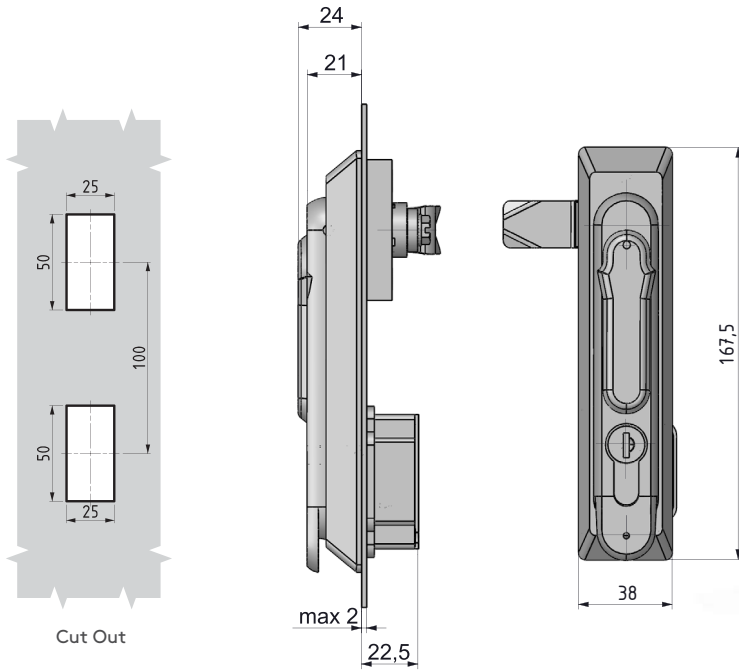
- For cams please check pages: 170 - 171
- For keys please check pages: 189 - 191
- For rods please check pages 178 - 188

| Group Code | Version | Cylinder | Cam |
|------------|---------|----------|-----|
| 001        | 2       | DD       | CC  |



101

SWINGHANDLE



- Swinghandle for steel and polyester cabinets
- 40 mm Euro Profile single-cylinder fitted
- Padlockable version available
- For 42 mm Euro Profile single-cylinder contact Essentra

## MATERIAL

**BODY:** Polyamide DIN-EN ISO 1043-1 PA6 GFR 30  
**HANDLE:** Polyamide DIN-EN ISO 1043-1 PA6GFR 30  
**CYLINDER:** Zamak DIN-EN 1774-ZnAl4Cu1  
**CAM:** Steel  
**SEAL:** Rubber



Padlock application

| CYLINDER TYPE                  |                                         | DD |
|--------------------------------|-----------------------------------------|----|
|                                | Keyed alike (Stainless steel dust cap)  | 03 |
|                                | Keyed differ (Stainless steel dust cap) | 32 |
|                                | Master system                           | 04 |
|                                | Euro key (5333)                         | 05 |
|                                | CH751 (Stainless steel dust cap)        | 07 |
| DRIVER TYPE                    |                                         | DD |
|                                | 5 mm Double bit                         | 15 |
|                                | 8 mm Square                             | 28 |
|                                | 9 mm Triangular                         | 39 |
|                                | Eastern                                 | 91 |
| HIGH-SECURITY CYLINDER (Zamak) |                                         | DD |
|                                | Keyed alike                             | 22 |
|                                | Keyed differ                            | 23 |
| NO CYLINDER                    |                                         | DD |
|                                | Plastic blind cylinder                  | 24 |

| Group Code | Driver Cylinder | Cam | Padlock* |
|------------|-----------------|-----|----------|
| 101        | DD              | CC  |          |

\*: add "1" for padlock application

- For cams please check pages: 170 - 171
- For keys please check pages: 189 - 191
- For rods please check pages 178 - 188

**SWINGHANDLE**

**501**

**ALL IN METAL**

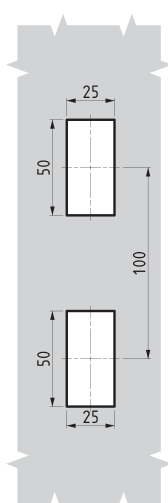
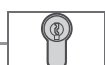
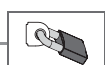
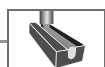


- Stainless steel version: page 445
- Die-cast construction stronger than polyamide
- Thin external profile, 14.4 mm, for flush appearance
- High-security, brass, Euro Profile single-cylinder available
- Dust cap available
- Padlockable version available
- For customised colours contact Essentra

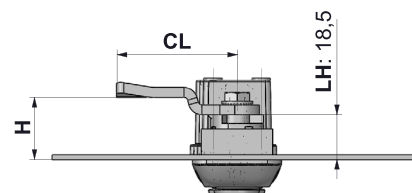
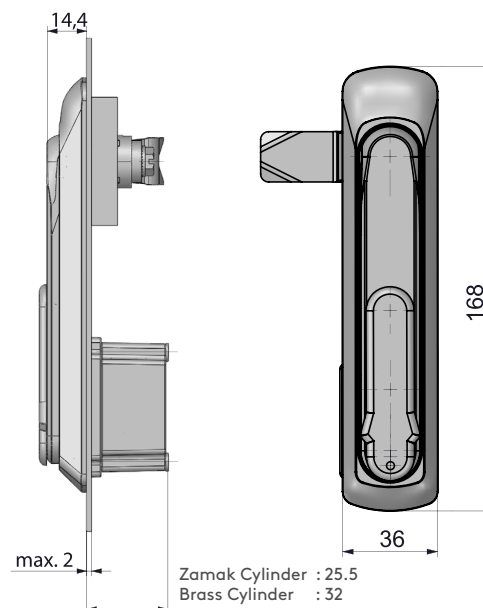
**MATERIAL**

**BODY:** Zamak DIN-EN 1774-ZnAl4Cu1  
**HANDLE:** Zamak DIN-EN 1774-ZnAl4Cu1  
**CAM:** Steel  
**SEAL:** Polyurethane  
**PADLOCK HASP:** Stainless steel

**⚠ Note:** Special espagnolette cam should be used for this application. Please check page 177.



Cut Out



O:1  
Dust cap application



O:2  
Padlock application



O:12  
Dust cap + Padlock application

| CYLINDER TYPE                  |                                         | DD |
|--------------------------------|-----------------------------------------|----|
|                                | Keyed alike (Stainless steel dust cap)  | 03 |
|                                | Keyed differ (Stainless steel dust cap) | 32 |
|                                | CH751 (Stainless steel dust cap)        | 07 |
| DRIVER TYPE                    |                                         | DD |
|                                | 5 mm Double bit                         | 15 |
|                                | 8 mm Square                             | 28 |
|                                | 9 mm Triangular                         | 39 |
|                                | Eastern                                 | 91 |
| BRASS CYLINDER                 |                                         | DD |
|                                | Keyed alike                             | 11 |
| HIGH-SECURITY CYLINDER (Zamak) |                                         | DD |
|                                | Keyed alike                             | 22 |
|                                | Keyed differ                            | 23 |

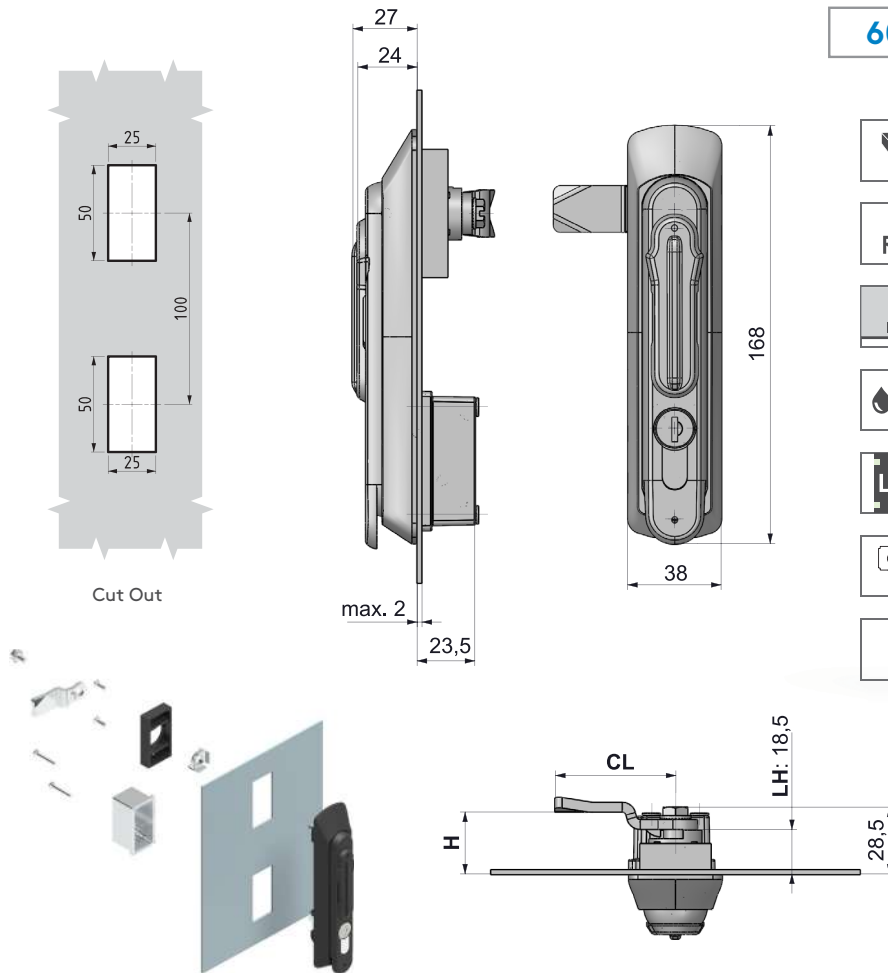
| MATERIAL | M | FINISH        | F |
|----------|---|---------------|---|
| Zamak    | 1 | Chrome plated | 1 |
|          |   | Black coated  | 2 |

| Group Code | Handle | Body | Cylinder | Cam | Option |
|------------|--------|------|----------|-----|--------|
| 501        | 1      | F    | DD       | CC  | O      |

For cams please check pages: 170 - 171

For rods please check pages 178 - 188

For keys please check pages: 189 - 191



601

SWINGHANDLE



- All metal construction
- Swinghandle for steel and polyester cabinets
- 40 mm Euro Profile single -cylinder fitted
- Improved corrosion resistance
- High-security, brass, Euro Profile single-cylinder available

## MATERIAL

|         |                            |
|---------|----------------------------|
| BODY:   | Zamak DIN-EN 1774-ZnAl4Cu1 |
| HANDLE: | Zamak DIN-EN 1774-ZnAl4Cu1 |
| COVER:  | Zamak DIN-EN 1774-ZnAl4Cu1 |
| SEAL:   | Polyurethane               |



Padlock application

| CYLINDER TYPE                  |                                         | DD |
|--------------------------------|-----------------------------------------|----|
|                                | Keyed alike (Stainless steel dust cap)  | 03 |
|                                | Keyed differ (Stainless steel dust cap) | 32 |
|                                | CH751 (Stainless steel dust cap)        | 07 |
| DRIVER TYPE                    |                                         | DD |
|                                | 5 mm Double bit                         | 15 |
|                                | 8 mm Square                             | 28 |
|                                | 9 mm Triangular                         | 39 |
|                                | Eastern                                 | 91 |
| BRASS CYLINDER                 |                                         | DD |
|                                | Keyed alike                             | 11 |
| HIGH-SECURITY CYLINDER (Zamak) |                                         | DD |
|                                | Keyed alike                             | 22 |
|                                | Keyed differ                            | 23 |

| MATERIAL | M | FINISH        | F |
|----------|---|---------------|---|
| Zamak    | 1 | Chrome plated | 1 |
|          |   | Black coated  | 2 |

| Group Code | Handle | Body | Cylinder | Cam | Padlock* |
|------------|--------|------|----------|-----|----------|
| 601        | 1      | F    | 1        | F   | DD       |

\*: add "1" for padlock application

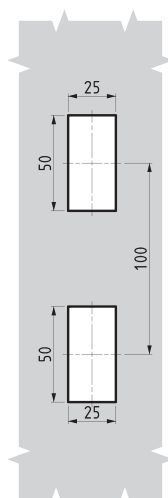
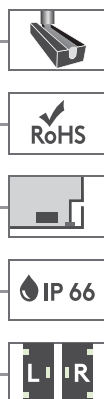
- For cams please check pages: 170 - 171
- For rods please check pages 178 - 188
- For keys please check pages: 189 - 191



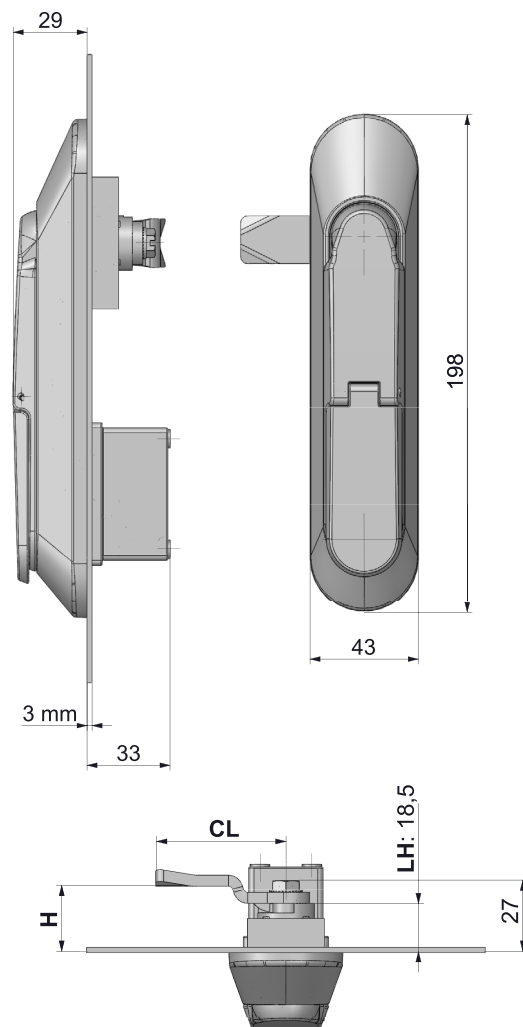
**SWINGHANDLE**

**408**

ALL IN METAL



Cut Out



- All metal construction
- Special geometry protects against vandalism
- **Complies with DIN EN 1627: 2011-09 RC2 test**
- Double o-ring handle improves IP rating
- High-security cylinder alternative available
- Improved IP rating with moving dust cap
- If the sheet thickness is more than 2 mm, contact to Essentra.

**MATERIAL**

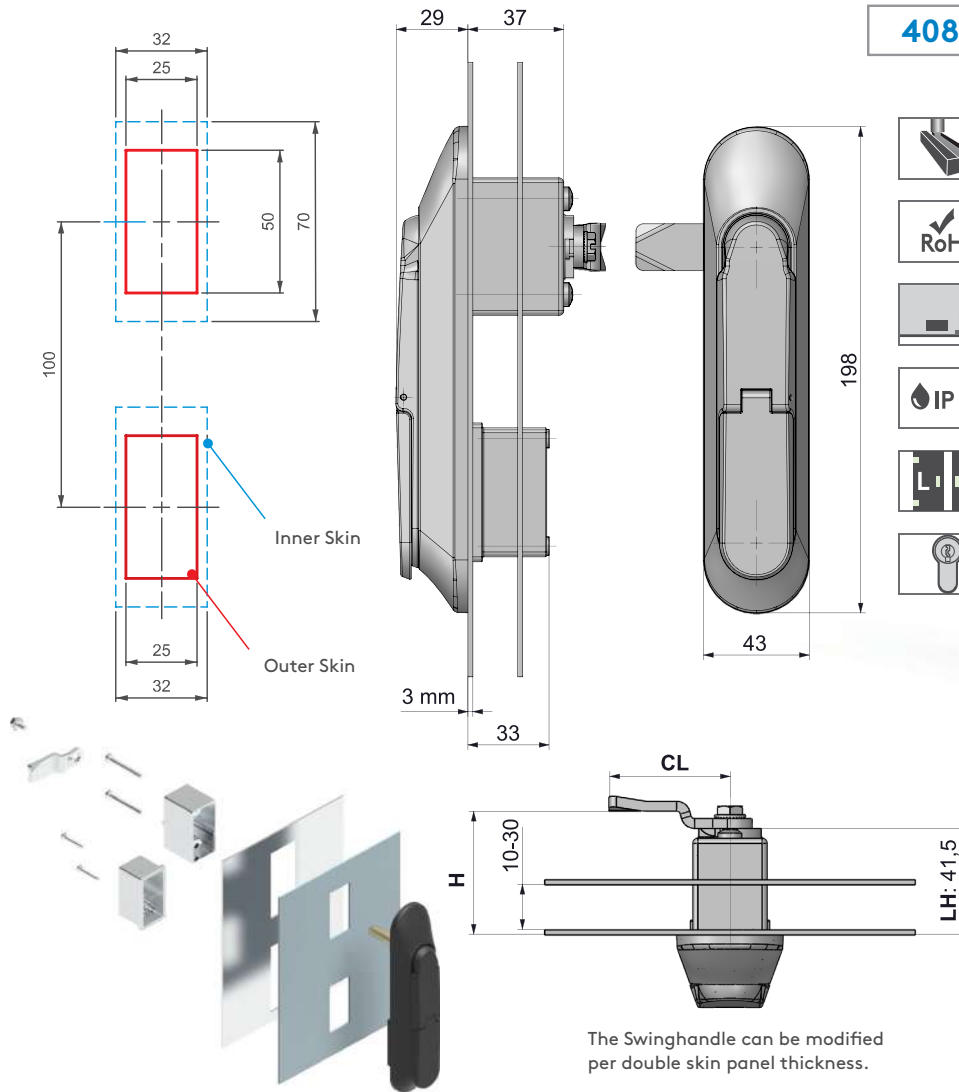
**BODY:** Zamak DIN-EN 1774-ZnAl4Cu1  
**HANDLE:** Zamak DIN-EN 1774-ZnAl4Cu1  
**CAM:** Steel  
**SEAL:** Polyurethane  
**COVER:** Zamak DIN-EN 1774-ZnAl4Cu1

| CYLINDER TYPE                                                                       |                                         | DD |
|-------------------------------------------------------------------------------------|-----------------------------------------|----|
|  | Keyed alike (Stainless steel dust cap)  | 03 |
|                                                                                     | Keyed differ (Stainless steel dust cap) | 32 |
|                                                                                     | Master system                           | 04 |
|                                                                                     | Euro key (5333)                         | 05 |
|                                                                                     | CH751 (Stainless steel dust cap)        | 07 |
| DRIVER TYPE                                                                         |                                         | DD |
|  | 5 mm Double bit                         | 15 |
|                                                                                     | 8 mm Square                             | 28 |
|                                                                                     | 9 mm Triangular                         | 39 |
|                                                                                     | Eastern                                 | 91 |
| HIGH-SECURITY CYLINDER (Zamak)                                                      |                                         | DD |
|  | Keyed alike                             | 22 |
|                                                                                     | Keyed differ                            | 23 |

| MATERIAL | M | FINISH       | F |
|----------|---|--------------|---|
| Zamak    | 1 | Black coated | 2 |

| Group Code | Version | Handle | Body | Cylinder | Cam |
|------------|---------|--------|------|----------|-----|
| 408        | 1       | 1      | 2    | 1        | 2   |
|            |         |        |      | DD       | CC  |

-  For cams please check pages: 170 - 171
-  For rods please check pages 178 - 188
-  For keys please check pages: 189 - 191



408

## SWINGHANDLE

ALL IN METAL



- All metal construction
- Special geometry for protection against vandalism
- Complies with DIN EN 1627: 2011-09 RC2 test
- Double o-ring handle improves IP rating
- High-security cylinder alternative
- Improves IP rating with moving dust cap
- If the sheet thickness is more than 2 mm, contact to Essentra.

| CYLINDER TYPE                  |                                         | DD |
|--------------------------------|-----------------------------------------|----|
|                                | Keyed alike (Stainless steel dust cap)  | 03 |
|                                | Keyed differ (Stainless steel dust cap) | 32 |
|                                | Master system                           | 04 |
|                                | Euro key (5333)                         | 05 |
|                                | CH751 (Stainless steel dust cap)        | 07 |
| DRIVER TYPE                    |                                         | DD |
|                                | 5 mm Double bit                         | 15 |
|                                | 8 mm Square                             | 28 |
|                                | 9 mm Triangular                         | 39 |
|                                | Eastern                                 | 91 |
| HIGH-SECURITY CYLINDER (Zamak) |                                         | DD |
|                                | Keyed alike                             | 22 |
|                                | Keyed differ                            | 23 |

| MATERIAL | M | FINISH       | F |
|----------|---|--------------|---|
| Zamak    | 1 | Black coated | 2 |

| Group Code | Version | Handle | Body | Cylinder | Cam |
|------------|---------|--------|------|----------|-----|
| 408        | 3       | 1      | 2    | 1        | 2   |
|            |         |        |      | DD       | CC  |

### MATERIAL

BODY: Zamak DIN-EN 1774-ZnAl4Cu1  
HANDLE: Zamak DIN-EN 1774-ZnAl4Cu1  
CAM: Steel  
SEAL: Polyurethane  
COVER: Zamak DIN-EN 1774-ZnAl4Cu1

- For cams please check pages: 170 - 171
- For rods please check pages 178 - 188
- For keys please check pages: 189 - 191

SWINGHANDLE

306



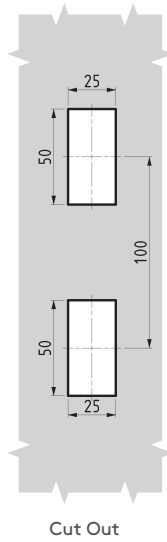
- Sliding dust cover
- Ergonomic handle
- Padlockable version available.

**MATERIAL**

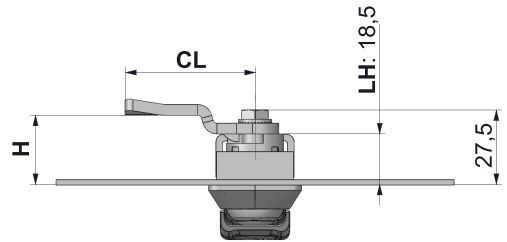
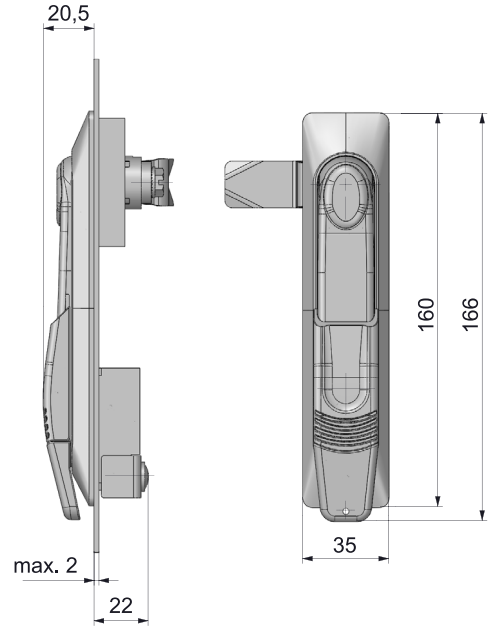
**BODY:** Polyamide DIN-EN ISO 1043-1 PA6 GFR 30  
**HANDLE:** PA6 GFR 30 or Zamak  
**CAM:** Steel - PA6 GFR 30  
**SEAL:** Polyurethane



Padlock application  
 Special sliding cover is available for padlockable version



Cut Out



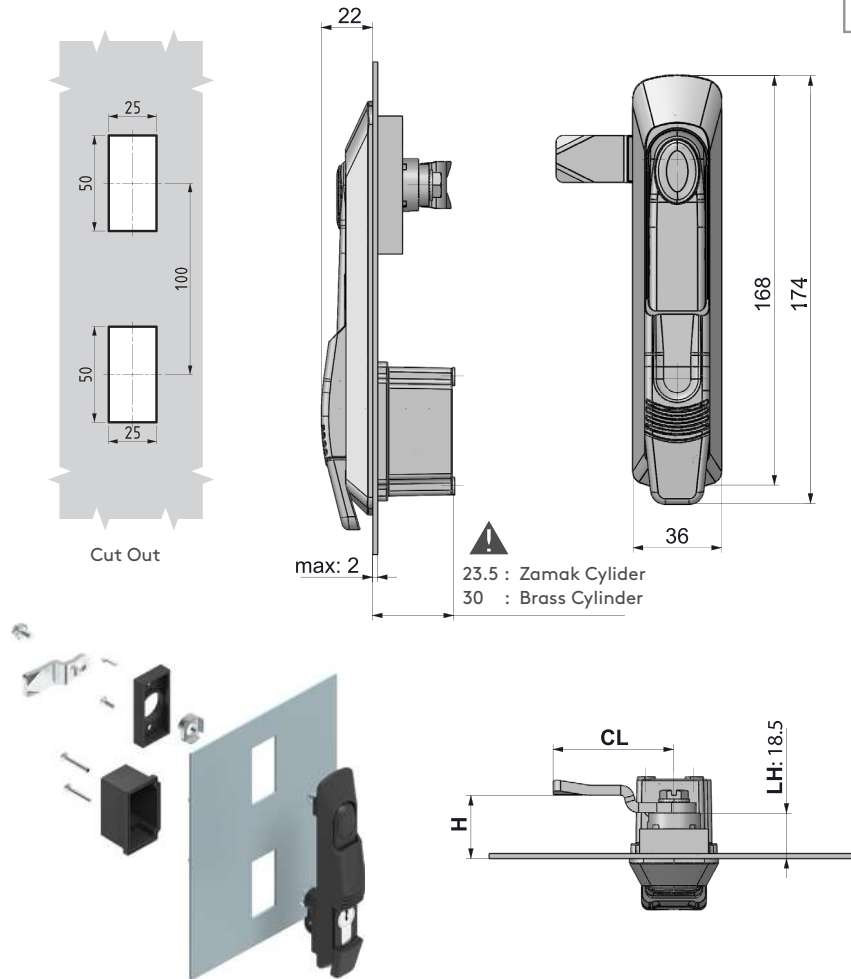
| CYLINDER TYPE |                                         | DD |
|---------------|-----------------------------------------|----|
|               | Keyed alike (Stainless steel dust cap)  | 03 |
|               | Keyed differ (Stainless steel dust cap) | 32 |
|               | Euro key (5333)                         | 05 |
|               | CH751 (Stainless steel dust cap)        | 07 |
| DRIVER TYPE   |                                         | DD |
|               | 5 mm Double bit                         | 15 |
|               | 8 mm Square                             | 28 |
|               | 9 mm Triangular                         | 39 |

| MATERIAL | M | FINISH        | F |
|----------|---|---------------|---|
| Zamak    | 1 | Chrome plated | 1 |
|          |   | Black coated  | 2 |
| Plastic  | 2 | No finish     | 0 |

| Group Code | Handle | Body | Driver Cylinder | Cam | Padlock* |
|------------|--------|------|-----------------|-----|----------|
| 306        | M      | F    | 2               | 0   | DD CC    |

\*: add "1" for padlock application

- For cams please check pages: 170 - 171
- For rods please check pages 178 - 188
- For keys please check pages: 189 - 191



206

SWINGHANDLE



- Sliding dust cover
- Ergonomic handle
- Padlockable version available
- 40 mm Euro Profile cylinder fitted

## MATERIAL

**BODY:** Polyamide DIN-EN ISO 1043-1 PA6 GFR 30  
**HANDLE:** Polyamide DIN-EN ISO 1043-1 PA6 GFR 30  
**CAM:** Steel  
**SEAL:** Polyurethane

| CYLINDER TYPE  |                                         | DD |
|----------------|-----------------------------------------|----|
|                | Keyed alike (Stainless steel dust cap)  | 03 |
|                | Keyed differ (Stainless steel dust cap) | 32 |
|                | Master system                           | 04 |
|                | Euro key (5333)                         | 05 |
|                | CH751 (Stainless steel dust cap)        | 07 |
| DRIVER TYPE    |                                         | DD |
|                | 5 mm Double bit                         | 15 |
|                | 8 mm Square                             | 28 |
|                | 9 mm Triangular                         | 39 |
|                | Eastern                                 | 91 |
| BRASS CYLINDER |                                         | DD |
|                | Keyed alike                             | 11 |
| NO CYLINDER    |                                         | DD |
|                | Plastic blind cylinder                  | 24 |



Padlock application

Special sliding cover is available for padlockable version

| Group Code | Handle | Body | Cylinder | Cam | Padlock* |
|------------|--------|------|----------|-----|----------|
| 206        | 2      | 0    | 2        | 0   | DD CC    |

\*: add "1" for padlock application

- For cams please check pages: 170 - 171
- For rods please check pages 178 - 188
- For keys please check pages: 189 - 191

## MODULAR SYSTEM SWINGHANDLE

406



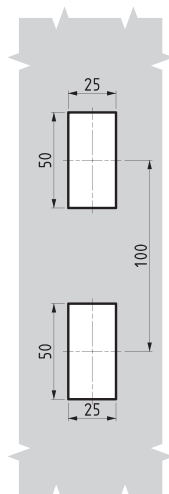
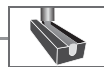
- Swing handle has a modular lock structure allows easy modification for customer requests
- Lock and modules could be ordered separately
- Single point locking and gearbox option is possible on same lock by an adaptor
- Padlock is optional
- Easy fixing option by plastic clips

### MATERIAL

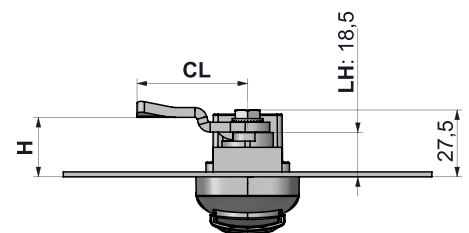
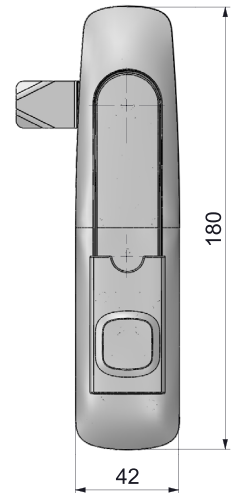
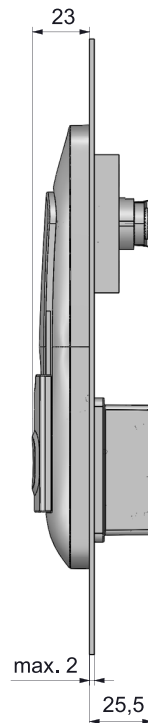
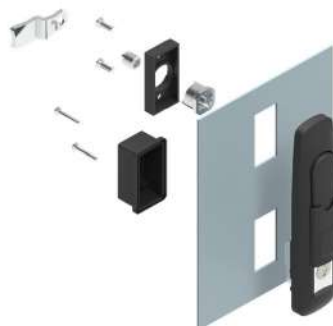
**BODY** PA6 GFR 30  
**HANDLE** Zamak DIN-EN 1774-ZnAl4Cu1  
**CAM:** Steel  
**MODULE** Zamak  
**SEAL:** Polyurethane



Padlock application



Cut Out



| CYLINDER TYPE |                                         | DD | Order code |
|---------------|-----------------------------------------|----|------------|
|               | Stainless steel dust cap (Keyed alike)  | 03 | MDL03      |
|               | Stainless steel dust cap (Keyed differ) | 32 | MDL32      |
|               | Euro key (5333)                         | 05 | MDL05      |
|               | CH751 (Stainless steel dust cap)        | 07 | MDL07      |
| DRIVER TYPE   |                                         | DD | Order code |
|               | 5 mm Double bit                         | 15 | MDL15      |
|               | 8 mm Square                             | 28 | MDL28      |
|               | 9 mm Triangular                         | 39 | MDL39      |

| MATERIAL | M | FINISH        | F |
|----------|---|---------------|---|
| Zamak    | 1 | Chrome plated | 1 |
|          |   | Black coated  | 2 |
| Plastic  | 2 | No finish     | 0 |

| Group Code | Handle | Body | Module | Cam | Assembly | Padlock* |   |
|------------|--------|------|--------|-----|----------|----------|---|
| 406        | 1      | F    | 2      | 0   | DD       | CC       | A |

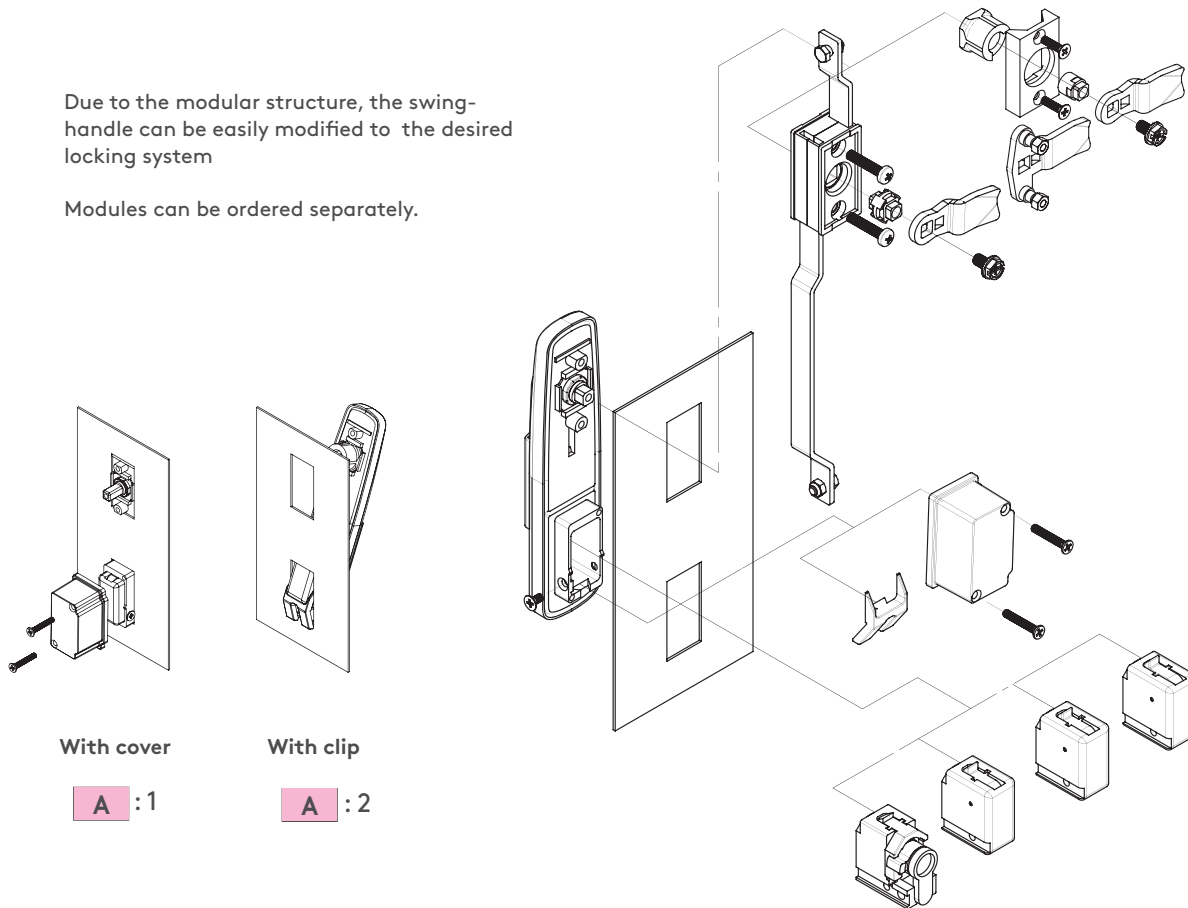
\*: add "1" for padlock application

- For cams please check pages: 170 - 171
- For rods please check pages 178 - 188
- For keys please check pages: 189 - 191



Due to the modular structure, the swing-handle can be easily modified to the desired locking system

Modules can be ordered separately.



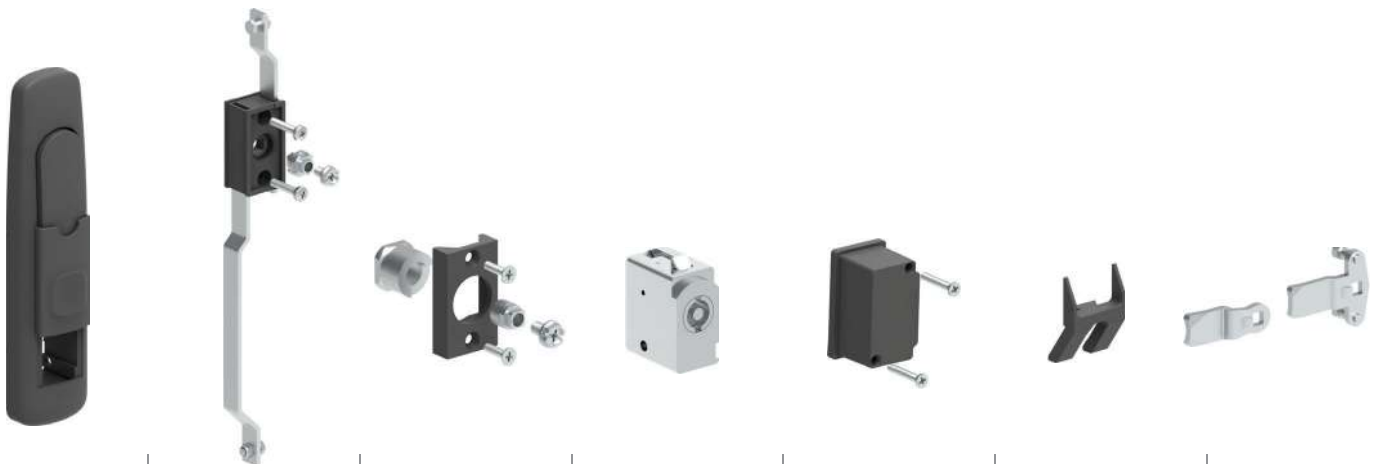
With cover

A :1

With clip

A :2

The set items can be ordered separately with their codes in below



MLS01

1-SET:

- Body
- Handle
- Dust cap
- Shaft

MLS02

1-SET:

- Plastic Mechanism
- Screws
- Cam Adapter

For multi point locking

MLS03

For single point locking

MDLXX

MODULES

- MDLXX

MLS05

1-SET:

- Plastic Fixed Part
- Screws

With this set the handle meet IP 65 specs.

320.02.246

1-PCS

- Clip-in part

With this clip-in part mounting time reduces by %50

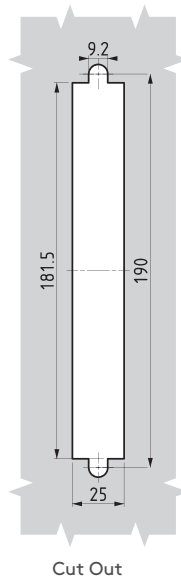
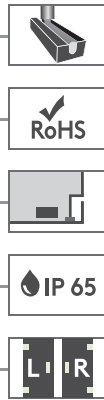
CAMS

Please check the cams page 172-173

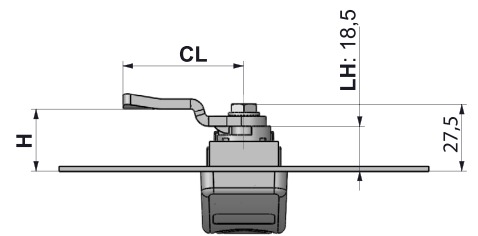
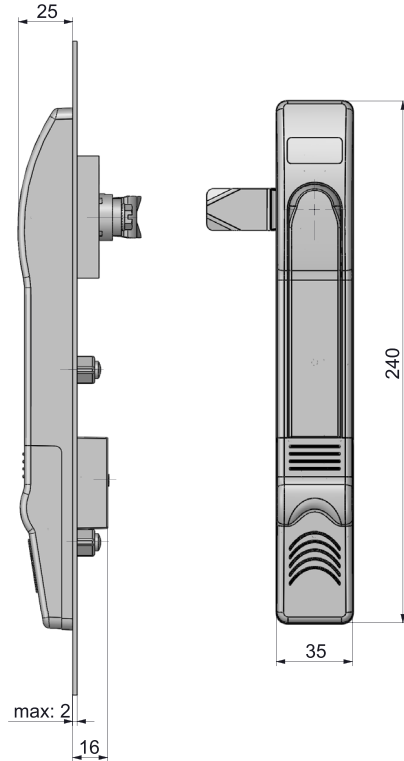


**SWINGHANDLE**

**106**



Cut Out



- More suitable for indoor applications
- Spring-loaded, slam-action swinghandle
- Sliding dust cover
- Suited for outside gasketing application

**MATERIAL**

**BODY:** Polyamide DIN-EN ISO 1043-1 PA6 GFR 30

**HANDLE:** Zamak DIN-EN 1774-ZnAl4Cu1

**CAM:** Steel

**SEAL:** Polyurethane



| CYLINDER TYPE                                                                       |                                         | DD |
|-------------------------------------------------------------------------------------|-----------------------------------------|----|
|  | Keyed alike (Stainless steel dust cap)  | 03 |
|                                                                                     | Keyed differ (Stainless steel dust cap) | 32 |
|                                                                                     | Euro key (5333)                         | 05 |
|                                                                                     | CH751 (Stainless steel dust cap)        | 07 |
| DRIVER TYPE                                                                         |                                         | DD |
|  | 5 mm Double bit                         | 15 |
|                                                                                     | 8 mm Square                             | 28 |
|                                                                                     | 9 mm Triangular                         | 39 |

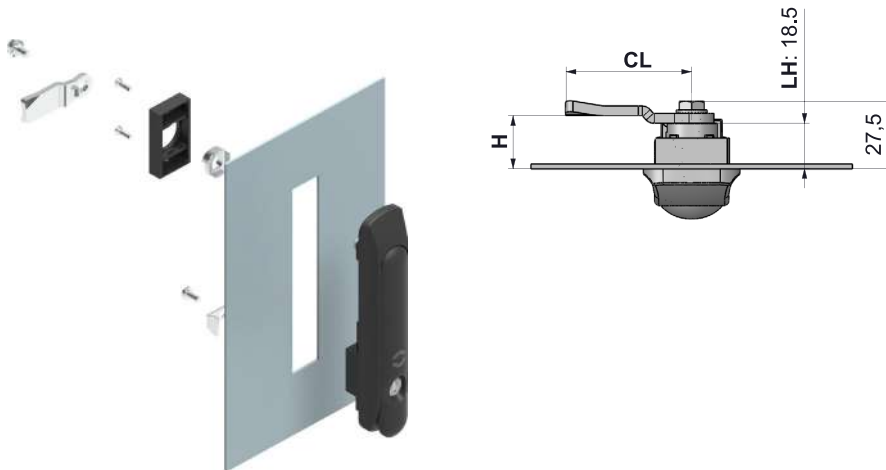
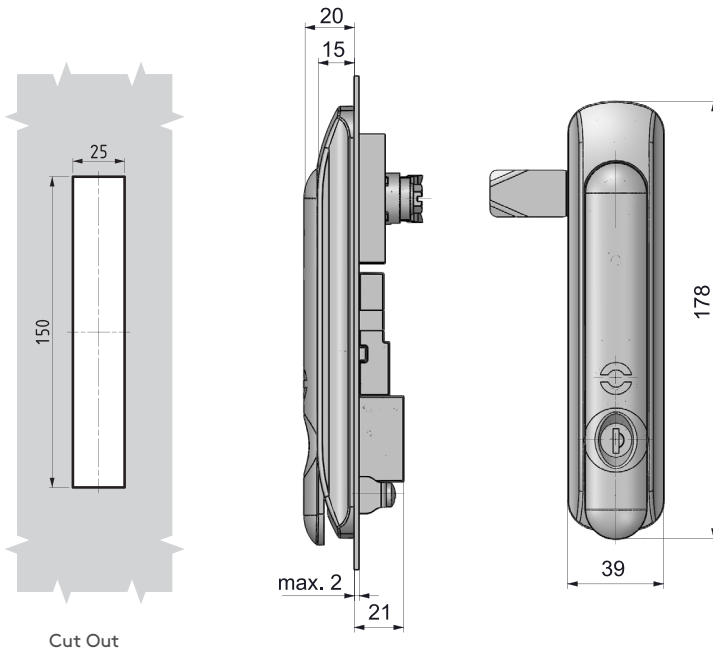
| MATERIAL | M | FINISH        | F |
|----------|---|---------------|---|
| Zamak    | 1 | Chrome plated | 1 |
|          |   | Black coated  | 2 |
| Plastic  | 2 | No finish     | 0 |

| Group Code | Handle | Body | Driver Cylinder | Cam |
|------------|--------|------|-----------------|-----|
| 106        | 1      | F    | 2               | 0   |
|            |        |      | DD              | CC  |

- For cams please check pages: 170 - 171
- For rods please check pages 178 - 188
- For keys please check pages: 189 - 191

808

SWINGHANDLE



## MATERIAL

|         |                                           |
|---------|-------------------------------------------|
| BODY:   | Polyamide DIN-EN<br>ISO 1043-1 PA6 GFR 30 |
| HANDLE: | Polyamide DIN-EN<br>ISO 1043-1 PA6 GFR 30 |
| CAM:    | Steel – PA6 GFR 30                        |
| SEAL:   | Polyurethane                              |

|                                                                                     | CYLINDER TYPE                           | DD |
|-------------------------------------------------------------------------------------|-----------------------------------------|----|
|  | Keyed alike (Stainless steel dust cap)  | 03 |
|                                                                                     | Keyed differ (Stainless steel dust cap) | 32 |
|                                                                                     | Master system                           | 04 |
|                                                                                     | Euro key (5333)                         | 05 |
|                                                                                     | CH751 (Stainless steel dust cap)        | 07 |

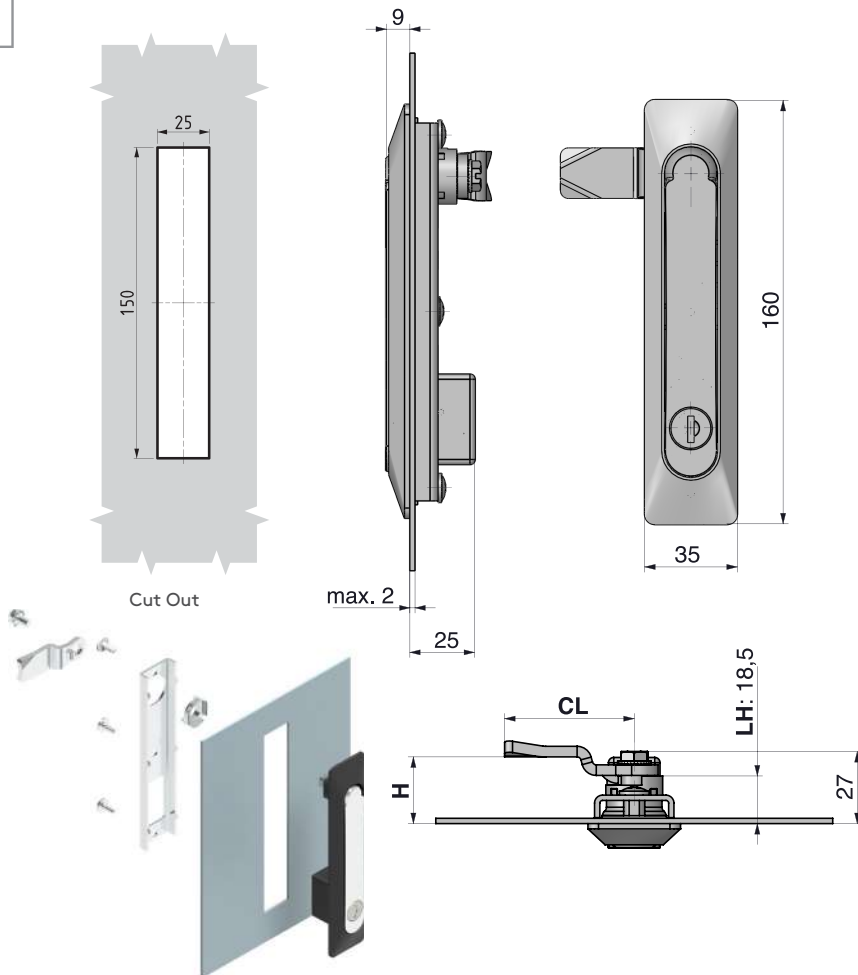
| Group Code | Handle | Body | Cylinder | Cam |
|------------|--------|------|----------|-----|
| 808        | 2      | 0    | 2        | 0   |
|            |        |      | DD       | CC  |

 For cams please check pages: 170 - 171

 For rods please check pages 178 - 188

SWINGHANDLE

008



- Cut out 25 mm x 150 mm
- Steel fixing bracket for improved stability and grounding
- Ultra-low external profile, 8 mm, for flush appearance
- Spring-loaded, slam-action swinghandle

**MATERIAL**

**BODY:** Polyamide DIN-EN ISO 1043-1 PA6 GFR 30  
**HANDLE:** Zamak DIN-EN 1774-ZnAl4Cu1  
**CAM:** Steel or PA6 GFR 30  
**SEAL:** Polyurethane

| CYLINDER TYPE                                                                       |                                         | DD |
|-------------------------------------------------------------------------------------|-----------------------------------------|----|
|  | Keyed alike (Stainless steel dust cap)  | 03 |
|                                                                                     | Keyed differ (Stainless steel dust cap) | 32 |
|                                                                                     | Master system                           | 04 |
|                                                                                     | Euro key (5333)                         | 05 |
|                                                                                     | CH751 (Stainless steel dust cap)        | 07 |
| DRIVER TYPE                                                                         |                                         | DD |
|  | 5 mm Double bit                         | 15 |
|                                                                                     | 8 mm Square                             | 28 |
|                                                                                     | 9 mm Triangular                         | 39 |
| HIGH-SECURITY CYLINDER                                                              |                                         | DD |
|  | Keyed alike                             | 20 |
|                                                                                     | Keyed differ                            | 21 |

| MATERIAL | M | FINISH        | F |
|----------|---|---------------|---|
| Zamak    | 1 | Chrome plated | 1 |
|          |   | Black coated  | 2 |
| Plastic  | 2 | No finish     | 0 |

| Group Code | Handle | Body | Driver Cylinder | Cam |
|------------|--------|------|-----------------|-----|
| 008        | F      | 2    | DD              | CC  |

For cams please check pages: 170 - 171

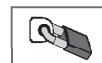
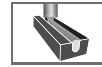
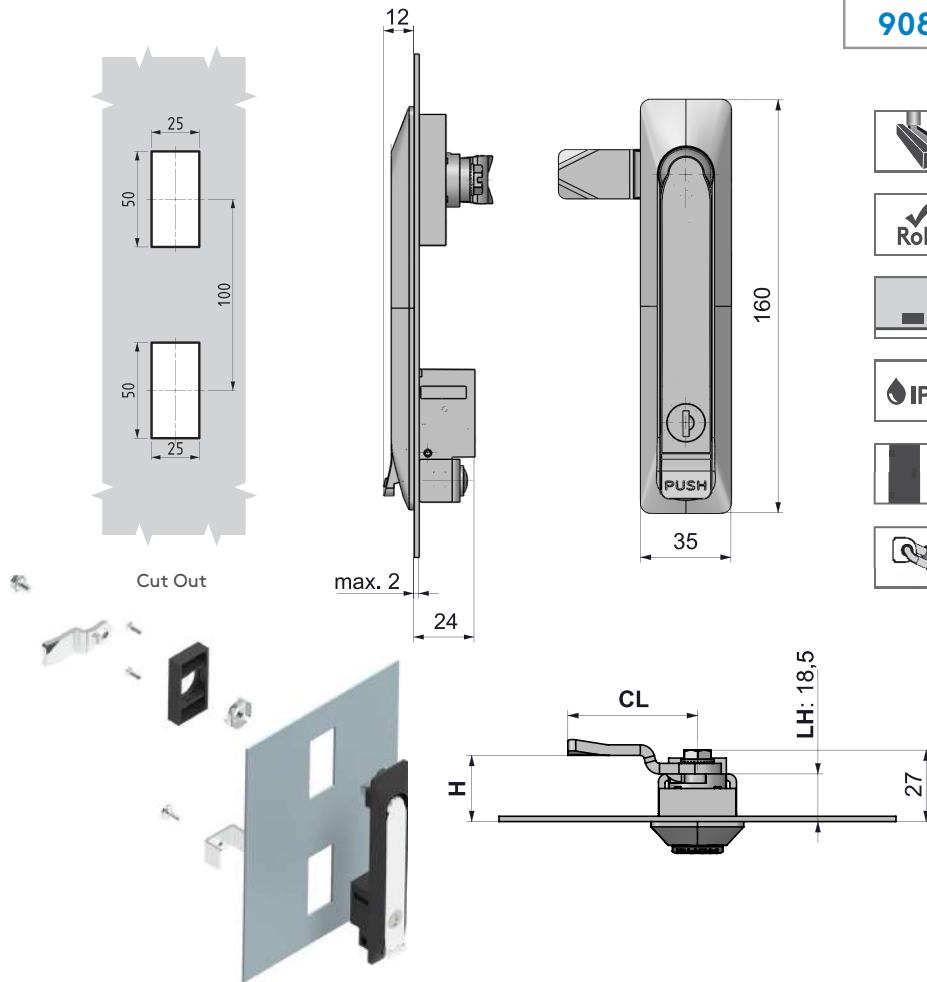
For rods please check pages 178 - 188

For keys please check pages: 189 - 191



908

SWINGHANDLE



- Swinghandle with push button
- Standard cut out
- Ultra low external profile, just 9 mm, to give flush appearance

## MATERIAL

|        |                                            |
|--------|--------------------------------------------|
| BODY   | : Zamak DIN-EN 1774-ZnAl4Cu1 or PA6 GFR 30 |
| HANDLE | : Zamak DIN-EN 1774-ZnAl4Cu1               |
| CAM    | : Steel or PA6 GFR30                       |
| SEAL   | : Polyurethane                             |

| CYLINDER TYPE |                                         | DD |
|---------------|-----------------------------------------|----|
|               | No Cylinder                             | 00 |
|               | Keyed alike (Stainless steel dust cap)  | 03 |
|               | Keyed differ (Stainless steel dust cap) | 32 |
|               | Master system                           | 04 |
|               | Euro key (5333)                         | 05 |
|               | CH751 (Stainless steel dust cap)        | 07 |
| DRIVER TYPE   |                                         | DD |
|               | 5 mm Double bit                         | 15 |
|               | 8 mm Square                             | 28 |
|               | 9 mm Triangular                         | 39 |

| MATERIAL | M | FINISH        | F |
|----------|---|---------------|---|
| Zamak    | 1 | Chrome plated | 1 |
|          |   | Black coated  | 2 |
| Plastic  | 2 | No finish     | 0 |

| Group Code | Handle | Body | Driver Cylinder | Cam | Padlock* |
|------------|--------|------|-----------------|-----|----------|
| 908        | 1      | F    | M               | F   | DD CC    |

\*: add "1" for padlock application



Padlock application

- For cams please check pages: 170 - 171
- For rods please check pages 178 - 188
- For keys please check pages: 189 - 191

SWINGHANDLE

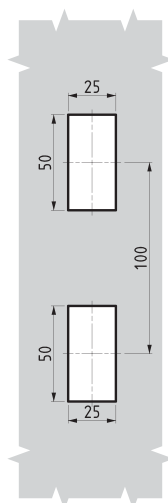
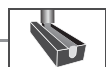
108



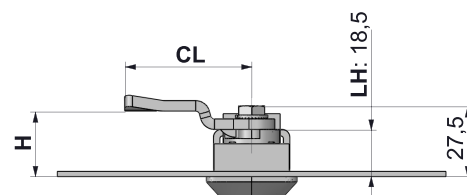
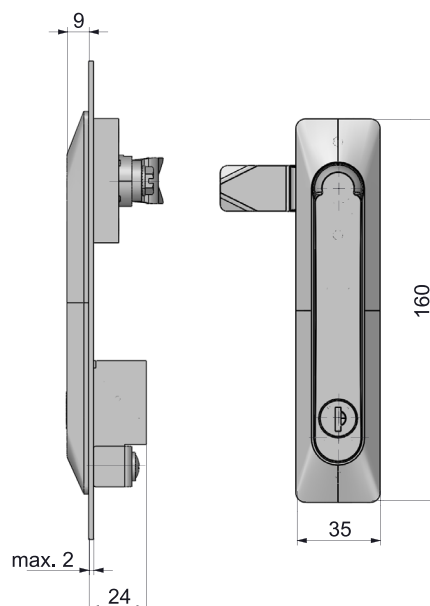
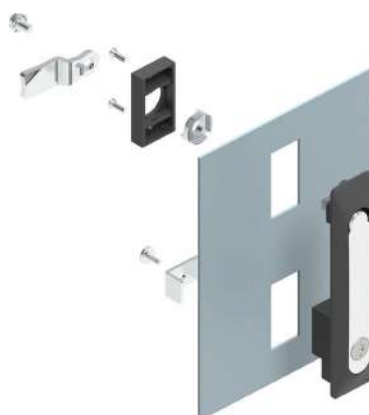
- Stronger and better looking than polyamide
- Spring-loaded, slam-action swim handle
- For customised colours contact Essentra

**MATERIAL**

**BODY:** Zamak DIN-EN 1774-ZnAl4Cu1 or PA6 GFR 30  
**HANDLE:** Zamak DIN-EN 1774-ZnAl4Cu1  
**CAM:** Steel or PA6 GFR 30  
**SEAL:** Polyurethane



Cut Out



| CYLINDER TYPE          |                                         | DD |
|------------------------|-----------------------------------------|----|
|                        | Keyed alike (Stainless steel dust cap)  | 03 |
|                        | Keyed differ (Stainless steel dust cap) | 32 |
|                        | Master system                           | 04 |
|                        | Euro key (5333)                         | 05 |
|                        | CH751 (Stainless steel dust cap)        | 07 |
| DRIVER TYPE            |                                         | DD |
|                        | 5 mm Double bit                         | 15 |
|                        | 8 mm Square                             | 28 |
|                        | 9 mm Triangular                         | 39 |
| HIGH-SECURITY CYLINDER |                                         | DD |
|                        | Keyed alike                             | 20 |
|                        | Keyed differ                            | 21 |

| MATERIAL | M | FINISH        | F |
|----------|---|---------------|---|
| Zamak    | 1 | Chrome plated | 1 |
|          |   | Black coated  | 2 |
| Plastic  | 2 | No finish     | 0 |

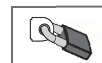
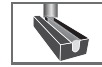
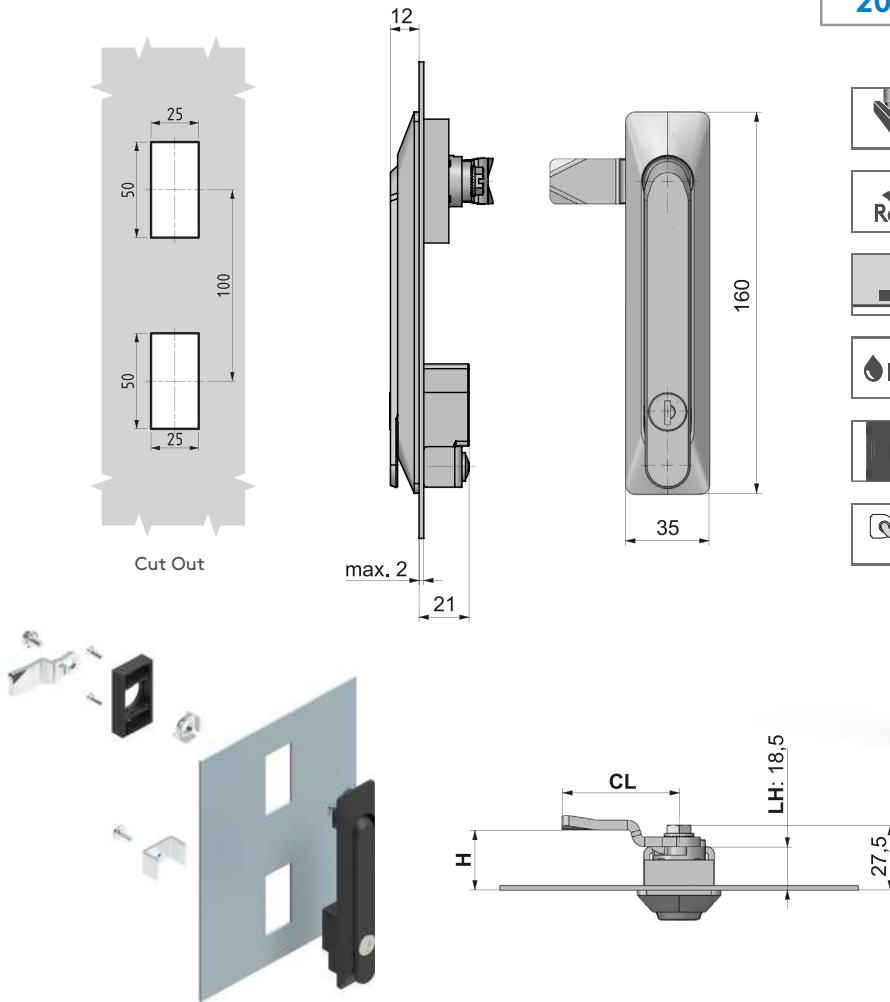
| Group Code | Handle | Body | Driver Cylinder | Cam |
|------------|--------|------|-----------------|-----|
| 108        | 1      | F    | M               | F   |
|            |        |      | DD              | CC  |

- For cams please check pages: 170 - 171  
 For rods please check pages 178 - 188  
 For keys please check pages: 189 - 191



208

SWINGHANDLE



- Handle is not spring loaded and slam action
- Key can be removed at unlocked position.

## MATERIAL

**BODY:** Zamak DIN-EN 1774-ZnAl4Cu1 or PA6 GFR 30

**HANDLE:** Zamak DIN-EN 1774-ZnAl4Cu1 or PA6 GFR 30

**CAM:** Steel or PA6 GFR 30

**SEAL:** Polyurethane



Padlock application (All in metal only is applied) No Cylinder

| CYLINDER TYPE |                                         | DD |
|---------------|-----------------------------------------|----|
|               | No Cylinder                             | 00 |
|               | Keyed alike (Stainless steel dust cap)  | 03 |
|               | Keyed differ (Stainless steel dust cap) | 32 |
|               | Master system                           | 04 |
|               | Euro key (5333)                         | 05 |
|               | CH751 (Stainless steel dust cap)        | 07 |
| DRIVER TYPE   |                                         | DD |
|               | 5 mm Double bit                         | 15 |
|               | 8 mm Square                             | 28 |
|               | 9 mm Triangular                         | 39 |

| MATERIAL | M | FINISH        | F |
|----------|---|---------------|---|
| Zamak    | 1 | Chrome plated | 1 |
|          |   | Black coated  | 2 |
| Plastic  | 2 | No finish     | 0 |

| Group Code | Handle | Body | Driver Cylinder | Cam | Padlock* |
|------------|--------|------|-----------------|-----|----------|
| 208        | M      | F    | M               | F   | DD       |

\*: add "1" for padlock application

For cams please check pages: 170 - 171

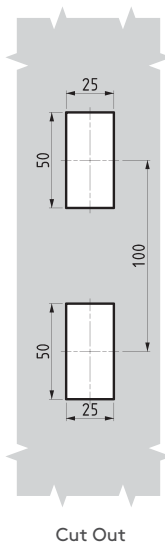
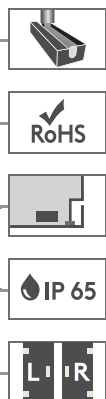
For rods please check pages 178 - 188



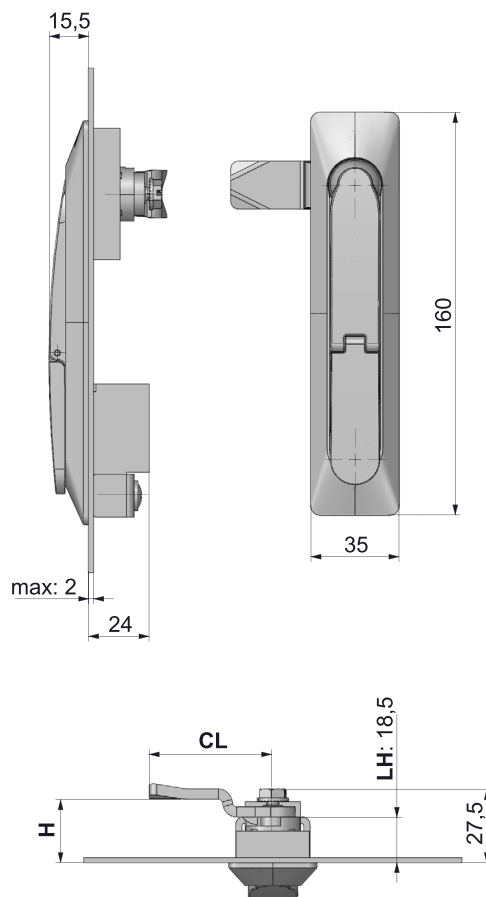
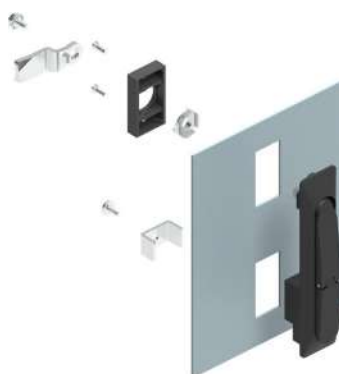
**SWINGHANDLE**

**108**

ALL IN METAL



Cut Out



- All metal construction
- Improved corrosion resistance.
- High-security cylinder alternative
- Improved IP resistance with moving dust cap

**MATERIAL**

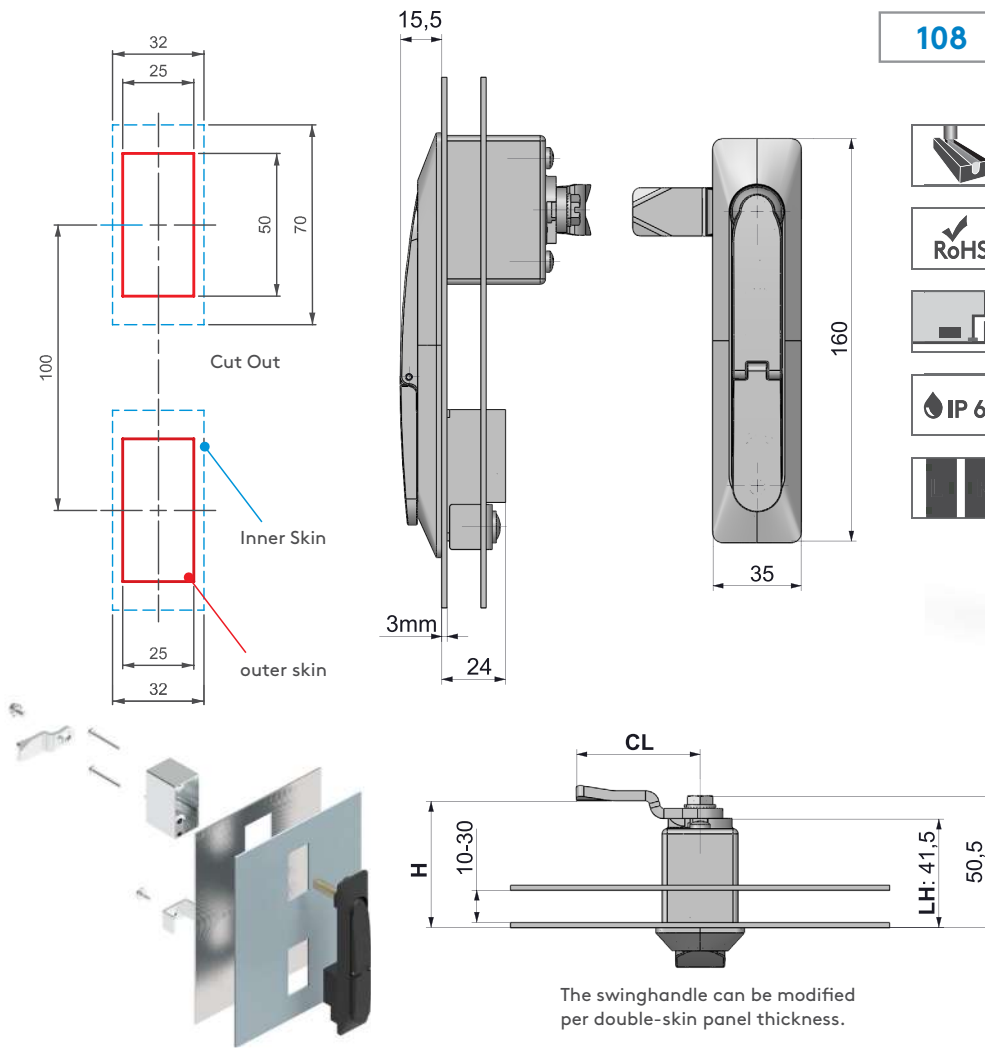
**BODY:** Zamak DIN-EN 1774-ZnAl4Cu1  
**HANDLE:** Zamak DIN-EN 1774-ZnAl4Cu1  
**CAM:** Steel or PA6 GFR 30  
**SEAL:** Polyurethane

| CYLINDER TYPE          |                                         | DD |
|------------------------|-----------------------------------------|----|
|                        | Keyed alike (Stainless steel dust cap)  | 03 |
|                        | Keyed differ (Stainless steel dust cap) | 32 |
|                        | Master system                           | 04 |
|                        | Euro key (5333)                         | 05 |
|                        | CH751 (Stainless steel dust cap)        | 07 |
| DRIVER TYPE            |                                         | DD |
|                        | 5 mm Double bit                         | 15 |
|                        | 8 mm Square                             | 28 |
|                        | 9 mm Triangular                         | 39 |
| HIGH-SECURITY CYLINDER |                                         | DD |
|                        | Keyed alike                             | 20 |
|                        | Keyed differ                            | 21 |

| MATERIAL | M | FINISH        | F |
|----------|---|---------------|---|
| Zamak    | 1 | Chrome plated | 1 |
|          |   | Black coated  | 2 |

| Group Code | Version | Handle | Body | Cylinder | Cam |
|------------|---------|--------|------|----------|-----|
| 108        | 2       | 1 F    | 1 F  | DD       | CC  |

- For cams please check pages: 170 - 171  
 For rods please check pages 178 - 188  
 For keys please check pages: 189 - 191



108

## SWINGHANDLE

ALL IN METAL



- Ideal for double-skin doors and outdoor cabinets
- Improved strength to protect against vandalism
- High-security cylinder with special shaped key prevents unauthorized duplication
- Improved IP resistance with moving dust cap
- Spring-loaded, slam-action swinghandle

### MATERIAL

BODY: Zamak DIN-EN 1774-ZnAl4Cu1  
HANDLE: Zamak DIN-EN 1774-ZnAl4Cu1  
CAM: Steel or PA6 GFR 30  
SEAL: Polyurethane

| CYLINDER TYPE          |                                         | DD |
|------------------------|-----------------------------------------|----|
|                        | Keyed alike (Stainless steel dust cap)  | 03 |
|                        | Keyed differ (Stainless steel dust cap) | 32 |
|                        | Master system                           | 04 |
|                        | Euro key (5333)                         | 05 |
|                        | CH751 (Stainless steel dust cap)        | 07 |
| DRIVER TYPE            |                                         | DD |
|                        | 5 mm Double bit                         | 15 |
|                        | 8 mm Square                             | 28 |
|                        | 9 mm Triangular                         | 39 |
| HIGH-SECURITY CYLINDER |                                         | DD |
|                        | Keyed alike                             | 20 |
|                        | Keyed differ                            | 21 |

| MATERIAL | M | FINISH        | F |
|----------|---|---------------|---|
| Zamak    | 1 | Chrome plated | 1 |
|          |   | Black coated  | 2 |

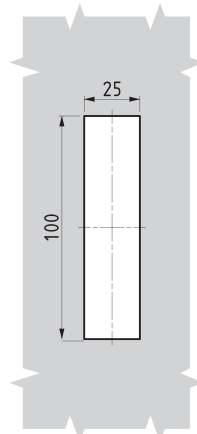
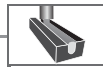
| Group Code | Version | Handle | Body | Cylinder | Cam |
|------------|---------|--------|------|----------|-----|
| 108        | 3       | 1      | F    | 1        | F   |
|            |         |        |      | DD       | CC  |

- For cams please check pages: 170 - 171
- For rods please check pages 178 - 188
- For keys please check pages: 189 - 191

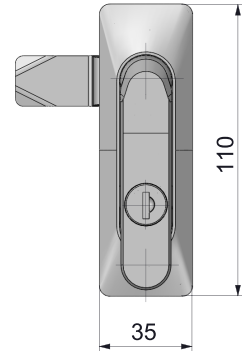
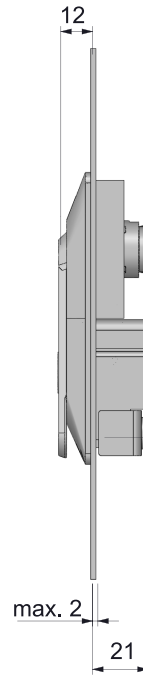
**SWINGHANDLE**

**308**

SMALL VERSION



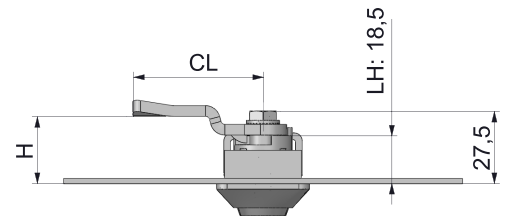
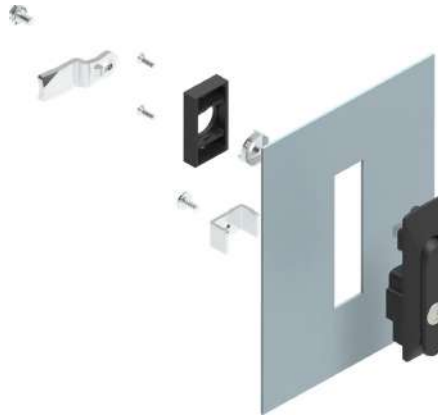
Cut Out



- For indoor applications
- 25 mm x 100 mm cut out

**MATERIAL**

**BODY:** Polyamide DIN-EN ISO 1043-1 PA6 GFR 30  
**HANDLE:** Zamak DIN-EN 1774-ZnAl4Cu1 or PA6 GFR 30  
**CAM:** Steel  
**SEAL:** Polyurethane



No Cylinder

**CYLINDER TYPE**

|                                         | DD |
|-----------------------------------------|----|
| No Cylinder                             | 00 |
| Keyed alike (Stainless steel dust cap)  | 03 |
| Keyed differ (Stainless steel dust cap) | 32 |
| Master system                           | 04 |
| Euro key (5333)                         | 05 |
| CH751 (Stainless steel dust cap)        | 07 |

**MATERIAL**

|         | M | FINISH        | F |
|---------|---|---------------|---|
| Zamak   | 1 | Chrome plated | 1 |
|         |   | Black coated  | 2 |
| Plastic | 2 | No finish     | 0 |

| Group Code | Handle | Body | Driver Cylinder | Cam |
|------------|--------|------|-----------------|-----|
| 308        | M      | F    | 2               | 0   |
|            |        |      | DD              | CC  |



For cams please check pages: 170 - 171



708

## SWINGHANDLE

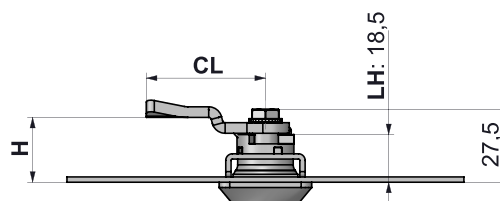
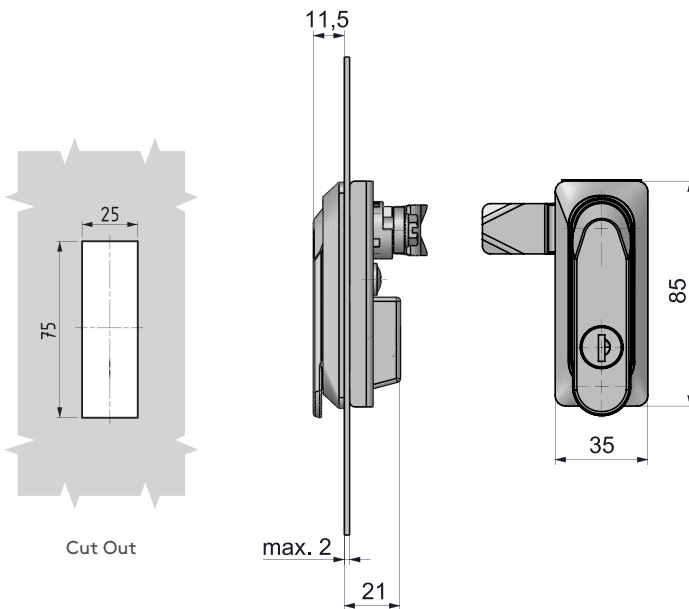
SMALL VERSION



- Can be used for internal applications
- 25 X 75 mm cut out
- Lock can be opened by pressing the button

### MATERIAL

|           |                                        |
|-----------|----------------------------------------|
| BODY:     | Polyamide DIN-EN ISO 1043-1 PA6 GFR 30 |
| HANDLE:   | Polyamide DIN-EN ISO 1043-1 PA6 GFR 30 |
| CYLINDER: | Zamak DIN-EN 1774-ZnAl4Cu1             |
| BUTTON:   | Zamak DIN-EN 1774-ZnAl4Cu1             |
| CAM:      | Steel                                  |
| SEAL:     | Polyurethane                           |



| CYLINDER TYPE |                                         | DD |
|---------------|-----------------------------------------|----|
|               | Keyed alike (Stainless steel dust cap)  | 03 |
|               | Keyed differ (Stainless steel dust cap) | 32 |
|               | Master system                           | 04 |
|               | Euro key (5333)                         | 05 |
|               | CH751 (Stainless steel dust cap)        | 07 |

| MATERIAL | M | FINISH        | F |
|----------|---|---------------|---|
| Zamak    | 1 | Chrome plated | 1 |
|          |   | Black coated  | 2 |
| Plastic  | 2 | No finish     | 0 |

| Group Code | Handle | Body | Cylinder | Cam |
|------------|--------|------|----------|-----|
| 708        | 2      | 0    | 2        | DD  |

| Group Code | Handle | Button | Cam |
|------------|--------|--------|-----|
| 708        | 2      | 0      | 1   |

### Button type code system



For cams please check pages: 170 - 171

**SWINGHANDLE**

**508**

ALL IN METAL



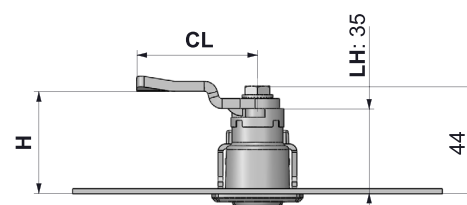
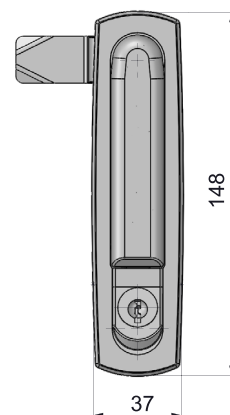
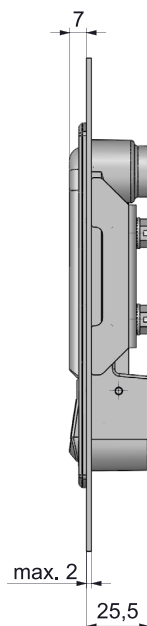
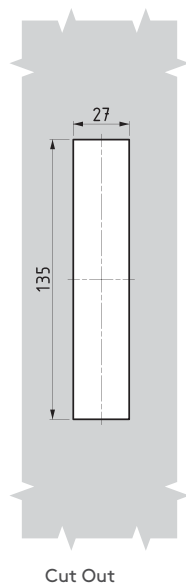
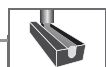
- Swinghandle with push button
- Can assemble with one fixing bracket
- Offers an economical solution

**MATERIAL**

**BODY:** Zamak DIN-EN 1774-ZnAl4Cu1  
**HANDLE:** Zamak DIN-EN 1774-ZnAl4Cu1  
**CAM:** Steel or PA6 GFR30  
**SEAL:** Polyurethane



No Cylinder



|  | CYLINDER TYPE | DD |
|--|---------------|----|
|  | No Cylinder   | 00 |
|  | Keyed alike   | 01 |
|  | Keyed differ  | 02 |

| MATERIAL | M | FINISH        | F |
|----------|---|---------------|---|
| Zamak    | 1 | Chrome plated | 1 |
|          |   | Black coated  | 2 |

| Group Code | Handle | Body | Driver Cylinder | Cam |
|------------|--------|------|-----------------|-----|
| 508        | 1      | F    | DD              | CC  |

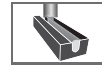
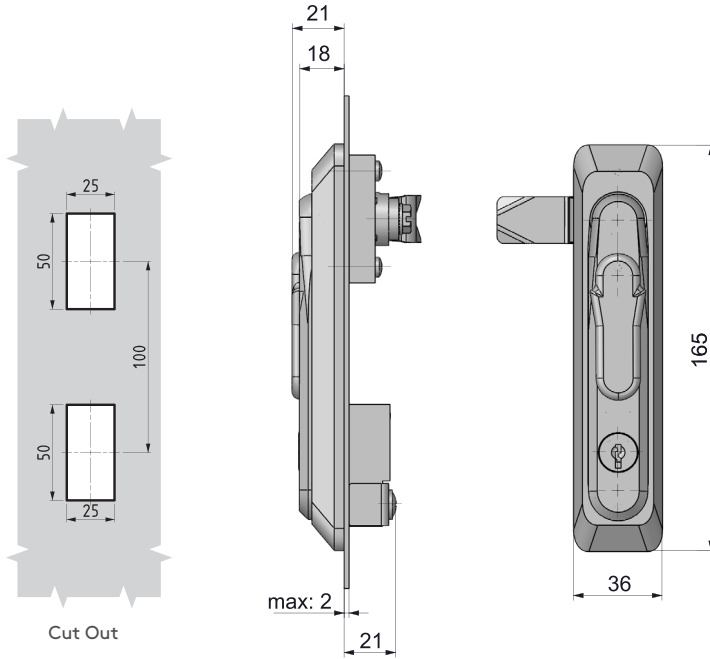


For cams please check pages: 170 - 171



006

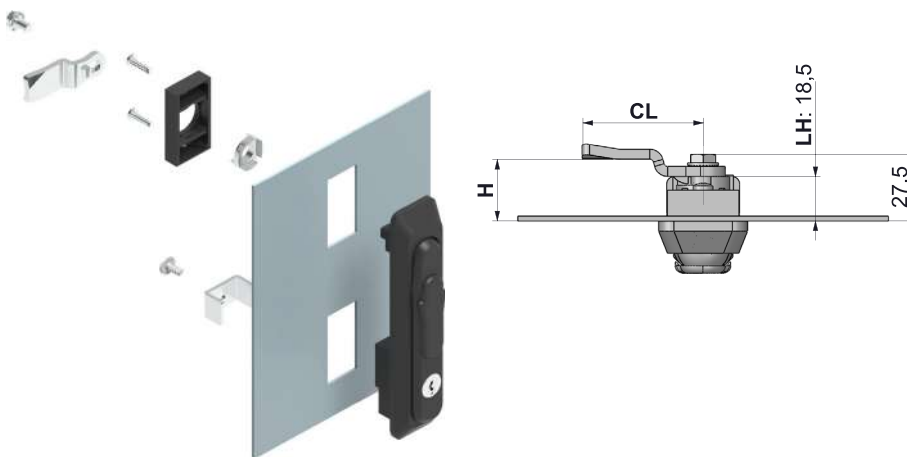
SWINGHANDLE



- Lower strength swinghandle that accepts: cylindrical drivers only
- Spring-loaded, slam-action swinghandle
- For indoor and outdoor application

## MATERIAL

|         |                                        |
|---------|----------------------------------------|
| BODY:   | Polyamide DIN-EN ISO 1043-1 PA6 GFR 30 |
| HANDLE: | Polyamide DIN-EN ISO 1043-1 PA6 GFR 30 |
| CAM:    | Steel or PA6 GFR 30                    |
| SEAL:   | Polyurethane                           |



| CYLINDER TYPE |                                         | DD |
|---------------|-----------------------------------------|----|
|               | Keyed alike (Stainless steel dust cap)  | 03 |
|               | Keyed differ (Stainless steel dust cap) | 32 |
|               | Master system                           | 04 |
|               | Euro key (5333)                         | 05 |
|               | CH751 (Stainless steel dust cap)        | 07 |
| DRIVER TYPE   |                                         | DD |
|               | 5 mm Double bit                         | 15 |
|               | 8 mm Square                             | 28 |
|               | 9 mm Triangular                         | 39 |

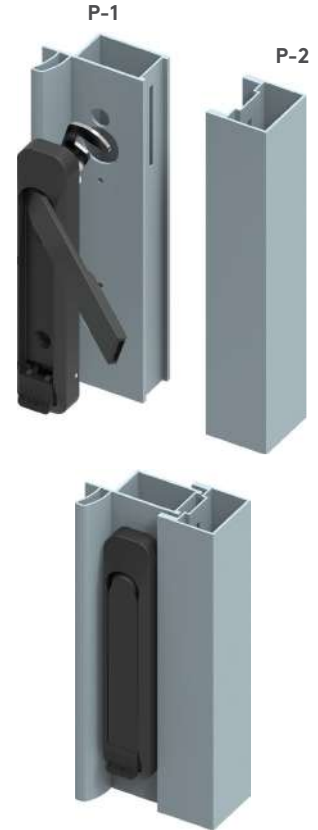
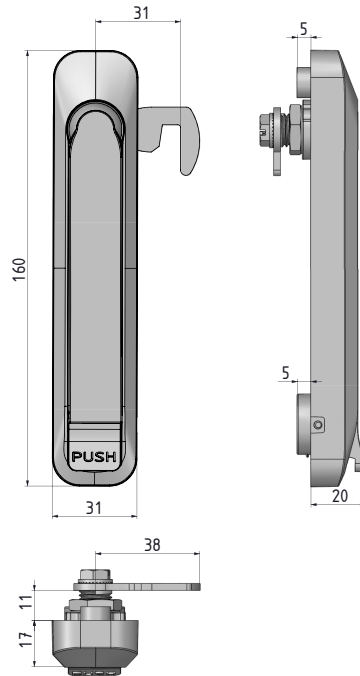
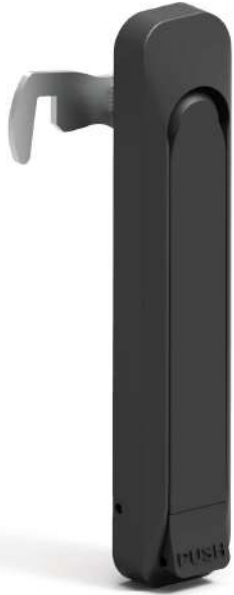
| Group Code | Driver Cylinder | Cam |
|------------|-----------------|-----|
| 006        | DD              | CC  |

- For cams please check pages: 170 - 171
- For rods please check pages 178 - 188
- For keys please check pages: 189 - 191



SWINGHANDLE

205

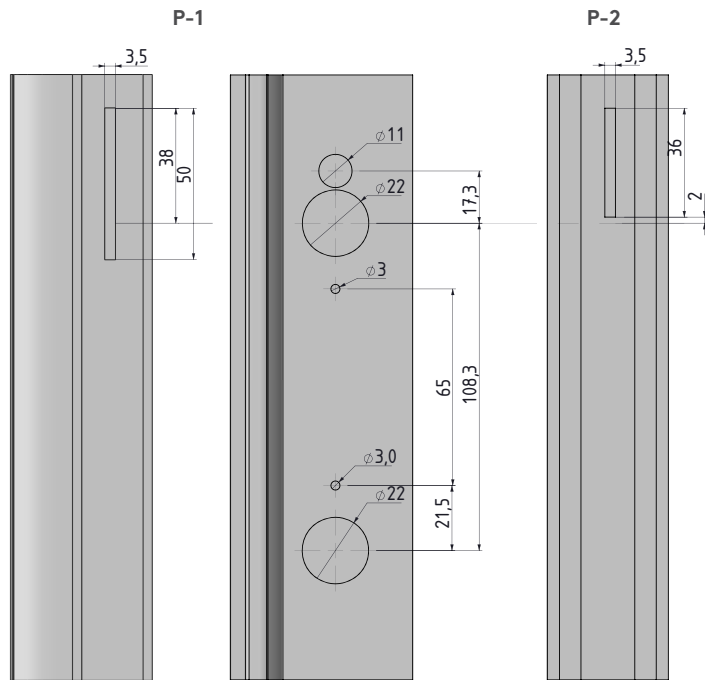


**MATERIAL**

BODY: Polyamide DIN-EN ISO 1043-1 PA6 GFR 30

HANDLE: Zamak DIN-EN 1774-ZnAl4Cu1

CAM: Steel

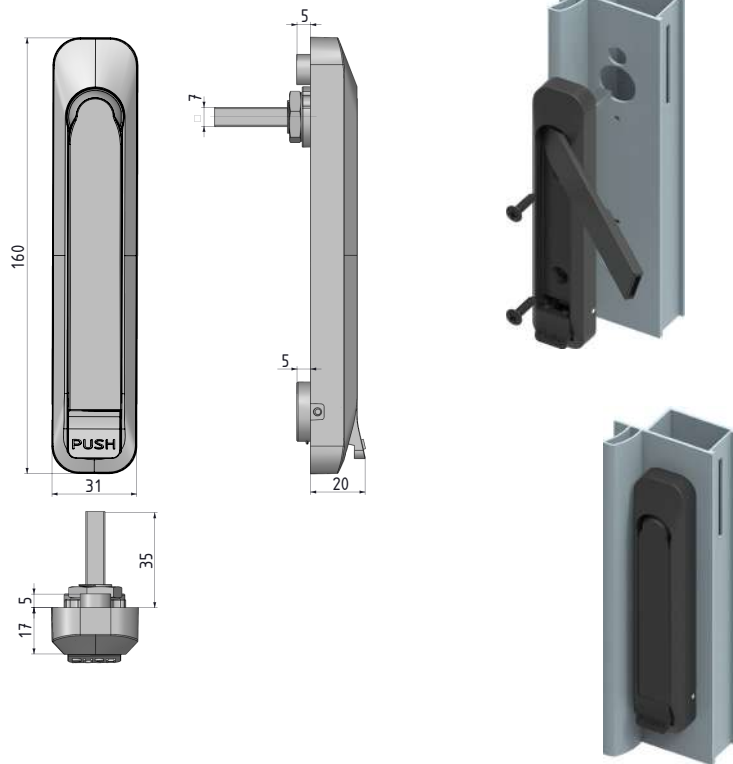


| MATERIAL | M | FINISH        | F |
|----------|---|---------------|---|
| Zamak    | 1 | Chrome plated | 1 |
|          |   | Black coated  | 2 |

| Group Code | Version | Body | Handle |
|------------|---------|------|--------|
| 205        | 1       | 2 0  | 1 F    |

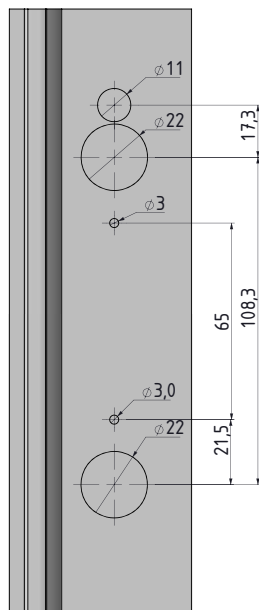
205

SWINGHANDLE



## MATERIAL

BODY: Polyamide DIN-EN  
ISO 1043-1 PA6 GFR 30  
HANDLE: Zamak DIN-EN  
1774-ZnAl4Cu1  
CAM: Steel



| MATERIAL | M | FINISH        | F |
|----------|---|---------------|---|
| Zamak    | 1 | Chrome plated | 1 |
|          |   | Black coated  | 2 |

| Group Code | Version | Body | Handle |
|------------|---------|------|--------|
| 205        | 2       | 2 0  | 1 F    |



54



56-57



58



59-60



61



62



63



64-65



66-67



68-69



70



71



72-73



74



75



76



77



78



79



80



81



82



83



84-85



86



# ROD-LATCH SYSTEM

52-87

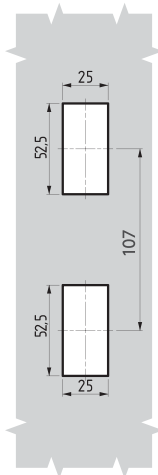
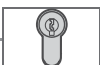
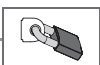
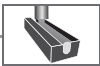


**mesan**  
ESSENTA COMPONENTS

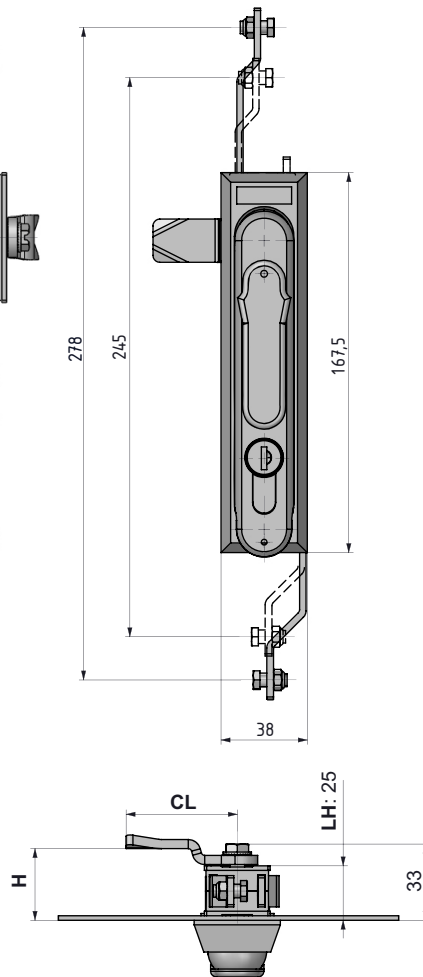
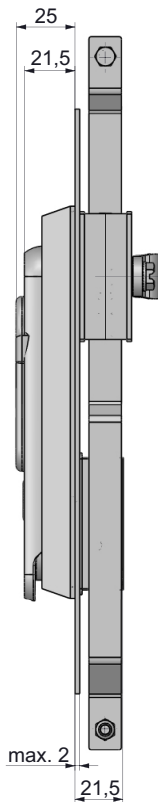
# ROD-LATCH SYSTEM

## SWINGHANDLE GEAR BOX

002



Cut Out



- Swinghandle for steel and polyester cabinets
- 40 mm Euro Profile single cylinder fitted
- Padlockable version available
- For 42 mm Euro Profile single cylinder contact Essentra

**MATERIAL**

**BODY** Polyamide DIN-EN ISO 1043-1 PA6 GFR 30

**HANDLE** Polyamide DIN-EN ISO 1043-1 PA6 GFR 30

**MECHANISM:** Zamak DIN-EN 1774-ZnAl4Cu1

**CAM:** Steel

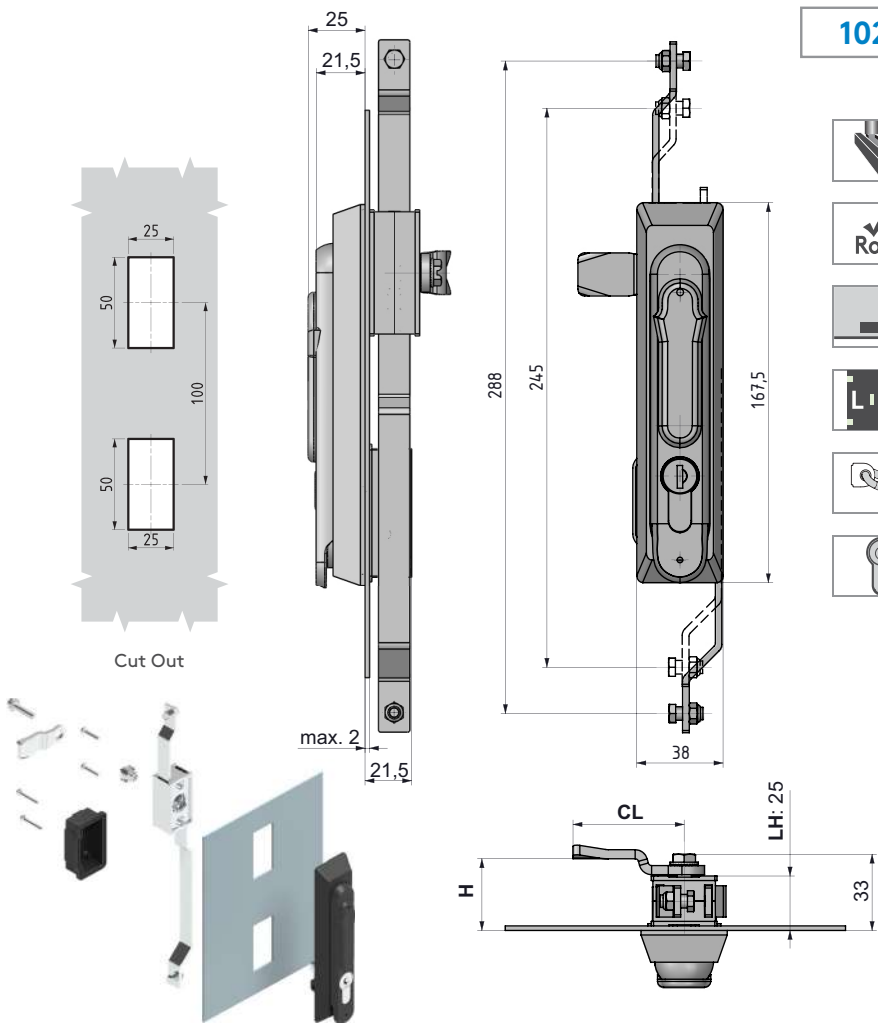
**GASKET:** Polyurethane

| CYLINDER TYPE                                                                       |                                         | DD |
|-------------------------------------------------------------------------------------|-----------------------------------------|----|
|  | Keyed alike (Stainless steel dust cap)  | 03 |
|                                                                                     | Keyed differ (Stainless steel dust cap) | 32 |
|                                                                                     | Master system                           | 04 |
|                                                                                     | Euro key (5333)                         | 05 |
|                                                                                     | CH751 (Stainless steel dust cap)        | 07 |
| DRIVER TYPE                                                                         |                                         | DD |
|  | 5 mm Double bit                         | 15 |
|                                                                                     | 8 mm Square                             | 28 |
|                                                                                     | 9 mm Triangular                         | 39 |
|                                                                                     | Eastern                                 | 91 |
| HIGH-SECURITY CYLINDER (Zamak)                                                      |                                         | DD |
|  | Keyed alike                             | 22 |
|                                                                                     | Keyed differ                            | 23 |
| NO CYLINDER                                                                         |                                         | DD |
|  | Plastic blind cylinder                  | 24 |

-  For cams please check pages: 170 - 171
-  For rods please check pages: 178 - 188
-  For keys please check pages: 189 - 191

| Group Code | Driver Cylinder | Cam | Padlock* |
|------------|-----------------|-----|----------|
| 002        | DD              | CC  |          |

\*: add "1" for padlock application



102

SWINGHANDLE GEAR BOX



- Swinghandle for steel and polyester cabinets
- 40 mm Euro Profile single cylinder fitted
- For 42 mm Euro Profile single cylinder contact Essentra
- Padlockable version available

**MATERIAL**  
BODY: Polyamide DIN-EN ISO 1043-1 PA6 GFR 30  
HANDLE: Polyamide DIN-EN ISO 1043-1 PA6 GFR 30  
MECHANISM: Zamak DIN-EN 1774-ZnAl4Cu1  
CAM: Steel  
GASKET: Polyurethane

| CYLINDER TYPE                  |                                         | DD |
|--------------------------------|-----------------------------------------|----|
|                                | Keyed alike (Stainless steel dust cap)  | 03 |
|                                | Keyed differ (Stainless steel dust cap) | 32 |
|                                | Master system                           | 04 |
|                                | Euro key (5333)                         | 05 |
|                                | CH751 (Stainless steel dust cap)        | 07 |
| DRIVER TYPE                    |                                         | DD |
|                                | 5 mm Double bit                         | 15 |
|                                | 8 mm Square                             | 28 |
|                                | 9 mm Triangular                         | 39 |
|                                | Eastern                                 | 91 |
| HIGH-SECURITY CYLINDER (Zamak) |                                         | DD |
|                                | Keyed alike                             | 22 |
|                                | Keyed differ                            | 23 |
| NO CYLINDER                    |                                         | DD |
|                                | Plastic blind cylinder                  | 24 |

| Group Code | Driver Cylinder | Cam | Padlock* |
|------------|-----------------|-----|----------|
| 102        | DD              | CC  |          |

\*: add "1" for padlock application

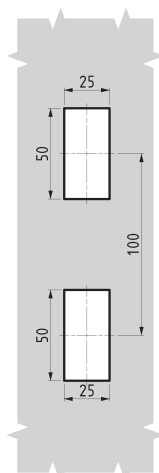
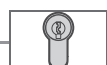
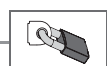
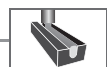
- For cams please check pages: 170 - 171
- For rods please check pages: 178 - 188
- For keys please check pages: 189 - 191

# ROD-LATCH SYSTEM

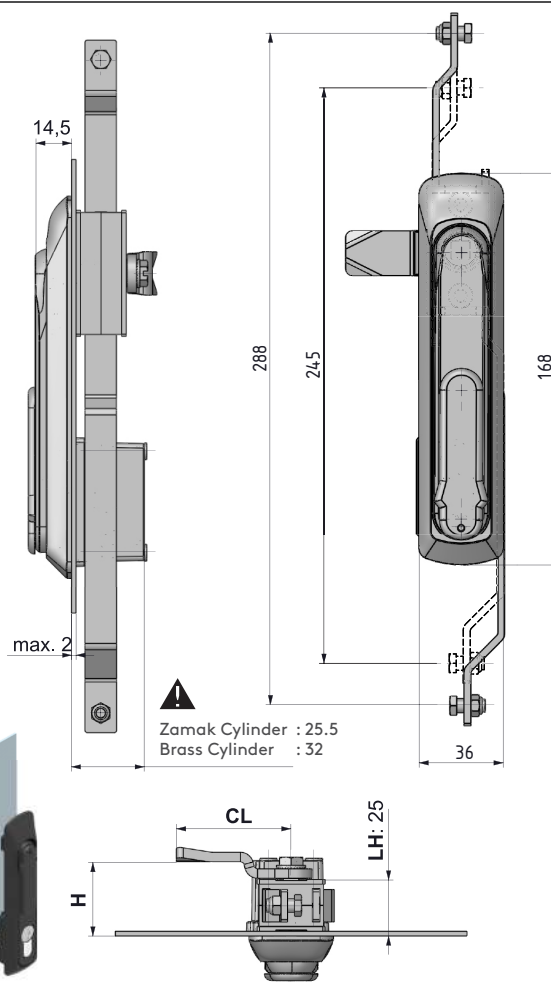
## SWINGHANDLE GEAR BOX

502

ALL IN METAL



Cut Out



Zamak Cylinder : 25.5  
Brass Cylinder : 32



O:1  
Dust cap  
application



O:2  
Padlock  
application



O:12  
Dust cap + Padlock  
application

- Stainless steel version: page 446
- Die-cast construction stronger than polyamide
- Thin external profile, 14.4 mm, for flush appearance
- High-security, brass, Euro Profile single-cylinder available
- Dust cap available
- Padlockable version available
- For different colours contact Essentra

### MATERIAL

BODY Zamak DIN-EN 1774-ZnAl4Cu1  
HANDLE Zamak DIN-EN 1774-ZnAl4Cu1  
MECHANISM: Zamak DIN-EN 1774-ZnAl4Cu1  
GASKET: Polyurethane

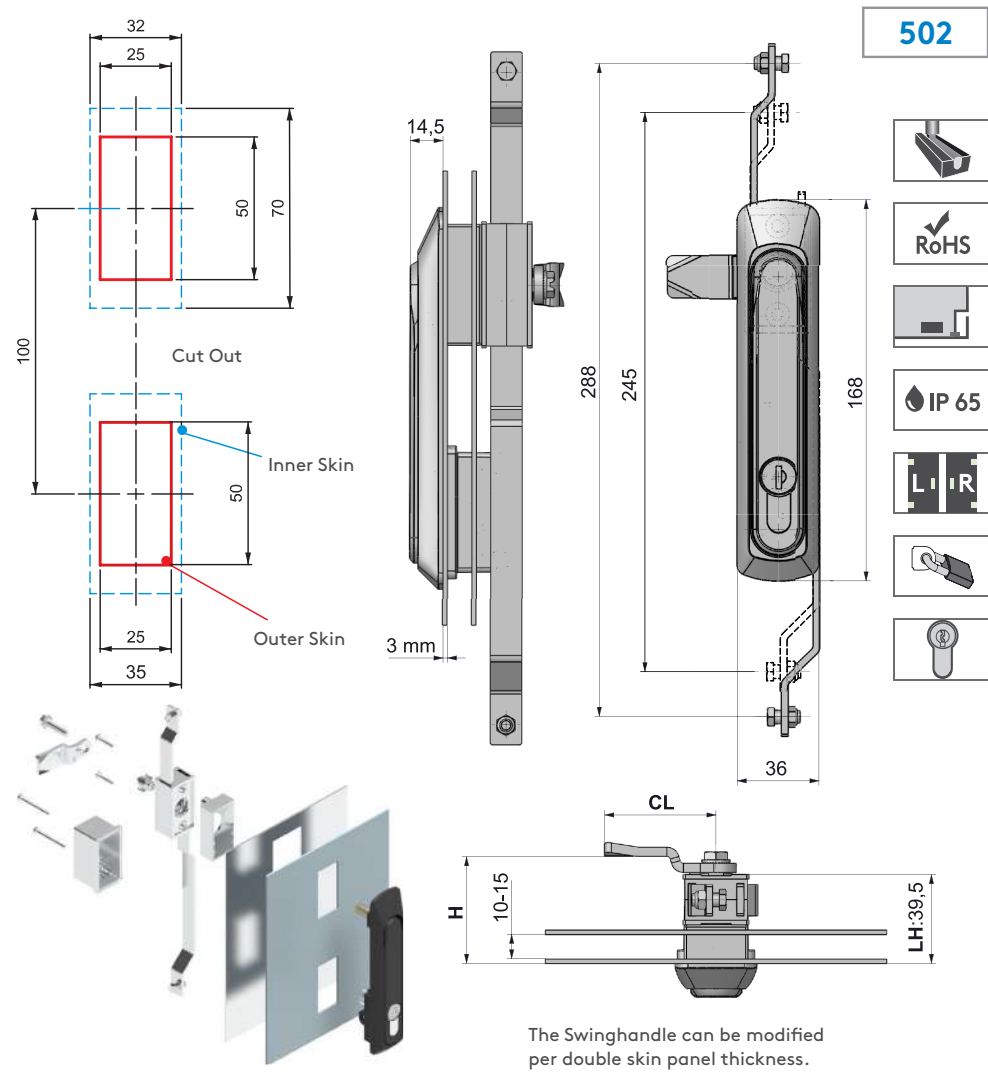
| CYLINDER TYPE                                                                       |                                         | DD |
|-------------------------------------------------------------------------------------|-----------------------------------------|----|
|  | Keyed alike (Stainless steel dust cap)  | 03 |
|                                                                                     | Keyed differ (Stainless steel dust cap) | 32 |
|                                                                                     | CH751 (Stainless steel dust cap)        | 07 |
| DRIVER TYPE                                                                         |                                         | DD |
|  | 5 mm Double bit                         | 15 |
|                                                                                     | 8 mm Square                             | 28 |
|                                                                                     | 9 mm Triangular                         | 39 |
|                                                                                     | Eastern                                 | 91 |
| BRASS CYLINDER                                                                      |                                         | DD |
|  | Keyed alike                             | 11 |
| HIGH-SECURITY CYLINDER (Zamak)                                                      |                                         | DD |
|  | Keyed alike                             | 22 |
|                                                                                     | Keyed differ                            | 23 |

| MATERIAL | M | FINISH        | F |
|----------|---|---------------|---|
| Zamak    | 1 | Chrome plated | 1 |
|          |   | Black coated  | 2 |

| Group Code | Handle | Body | Cylinder | Cam | Option |
|------------|--------|------|----------|-----|--------|
| 502        | 1      | F    | F        | DD  | CC O   |

-  For cams please check pages: 170 - 171
-  For rods please check pages: 178 - 188
-  For keys please check pages: 189 - 191





502

SWINGHANDLE GEAR BOX

ALL IN METAL

- RoHS
- IP 65
- L R



- Stainless steel version: page 457
- High-security swing handle for indoor and outdoor cabinets
- Ideal for double-skin door panels and outdoor cabinets
- Spring loaded ,slam-action swing handle
- Dust cap and padlockable versions optional

- O:1 Dust cap application
- O:2 Padlock application
- O:12 Dust cap + Padlock application

| ZAMAK BAREL                    |                                         | DD |
|--------------------------------|-----------------------------------------|----|
|                                | Keyed alike (Stainless steel dust cap)  | 03 |
|                                | Keyed differ (Stainless steel dust cap) | 32 |
|                                | CH751 (Stainless steel dust cap)        | 07 |
| BRASS CYLINDER                 |                                         | DD |
|                                | Keyed alike                             | 11 |
| HIGH-SECURITY CYLINDER (Zamak) |                                         | DD |
|                                | Keyed alike                             | 22 |
|                                | Keyed differ                            | 23 |

| MATERIAL | M | FINISH        | F |
|----------|---|---------------|---|
| Zamak    | 1 | Chrome plated | 1 |
|          |   | Black coated  | 2 |

| Group Code | Version | Handle | Body | Cylinder | Cam | Option  |
|------------|---------|--------|------|----------|-----|---------|
| 502        | 3       | 1      | F    | 1        | F   | DD CC O |

| MATERIAL   |                            |
|------------|----------------------------|
| BODY       | Zamak DIN-EN 1774-ZnAl4Cu1 |
| HANDLE     | Zamak DIN-EN 1774-ZnAl4Cu1 |
| MECHANISM: | Zamak DIN-EN 1774-ZnAl4Cu1 |
| GASKET:    | Polyurethane               |

- For cams please check pages: 170 - 171
- For rods please check pages: 178 - 188
- For keys please check pages: 189 - 191

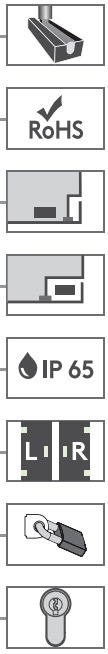
# ROD-LATCH SYSTEM

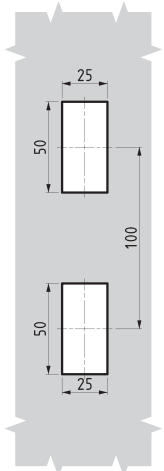
SWINGHANDLE GEAR BOX

602

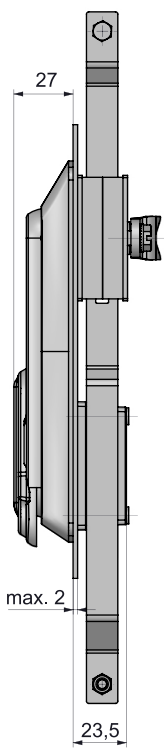
ALL IN METAL

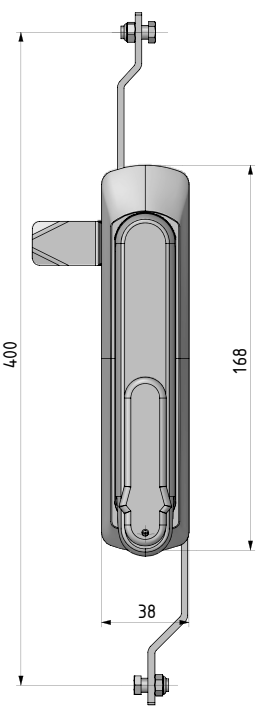


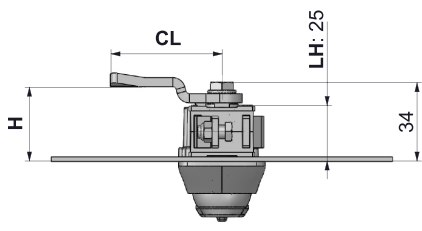




Cut Out







- All metal construction
- Swinghandle for steel and polyester cabinets
- 40 mm Euro Profile single cylinder fitted
- Improved corrosion resistance
- High-security, brass, Euro Profile single-cylinder available

|            |                            |
|------------|----------------------------|
| MATERIAL   |                            |
| BODY       | Zamak DIN-EN 1774-ZnAl4Cu1 |
| HANDLE:    | Zamak DIN-EN 1774-ZnAl4Cu1 |
| COVER:     | Zamak DIN-EN 1774-ZnAl4Cu1 |
| MECHANISM: | Zamak DIN-EN 1774-ZnAl4Cu1 |
| GASKET:    | Polyurethane               |

| CYLINDER TYPE                                                                       |                                         | DD |
|-------------------------------------------------------------------------------------|-----------------------------------------|----|
|  | Keyed alike (Stainless steel dust cap)  | 03 |
|                                                                                     | Keyed differ (Stainless steel dust cap) | 32 |
|                                                                                     | Master system                           | 04 |
|                                                                                     | Euro key (5333)                         | 05 |
|                                                                                     | CH751 (Stainless steel dust cap)        | 07 |
| DRIVER TYPE                                                                         |                                         | DD |
|  | 5 mm Double bit                         | 15 |
|                                                                                     | 8 mm Square                             | 28 |
|                                                                                     | 9 mm Triangular                         | 39 |
|                                                                                     | Eastern                                 | 91 |
| HIGH-SECURITY CYLINDER (Zamak)                                                      |                                         |    |
|  | Keyed alike                             | 22 |
|                                                                                     | Keyed differ                            | 23 |

| MATERIAL | M | FINISH        | F |
|----------|---|---------------|---|
| Zamak    | 1 | Chrome plated | 1 |
|          |   | Black coated  | 2 |

| Group Code | Handle | Body | Cylinder | Cam | Padlock* |
|------------|--------|------|----------|-----|----------|
| 602        | 1      | F    | 1        | F   | DD CC    |

\*: add "1" for padlock application



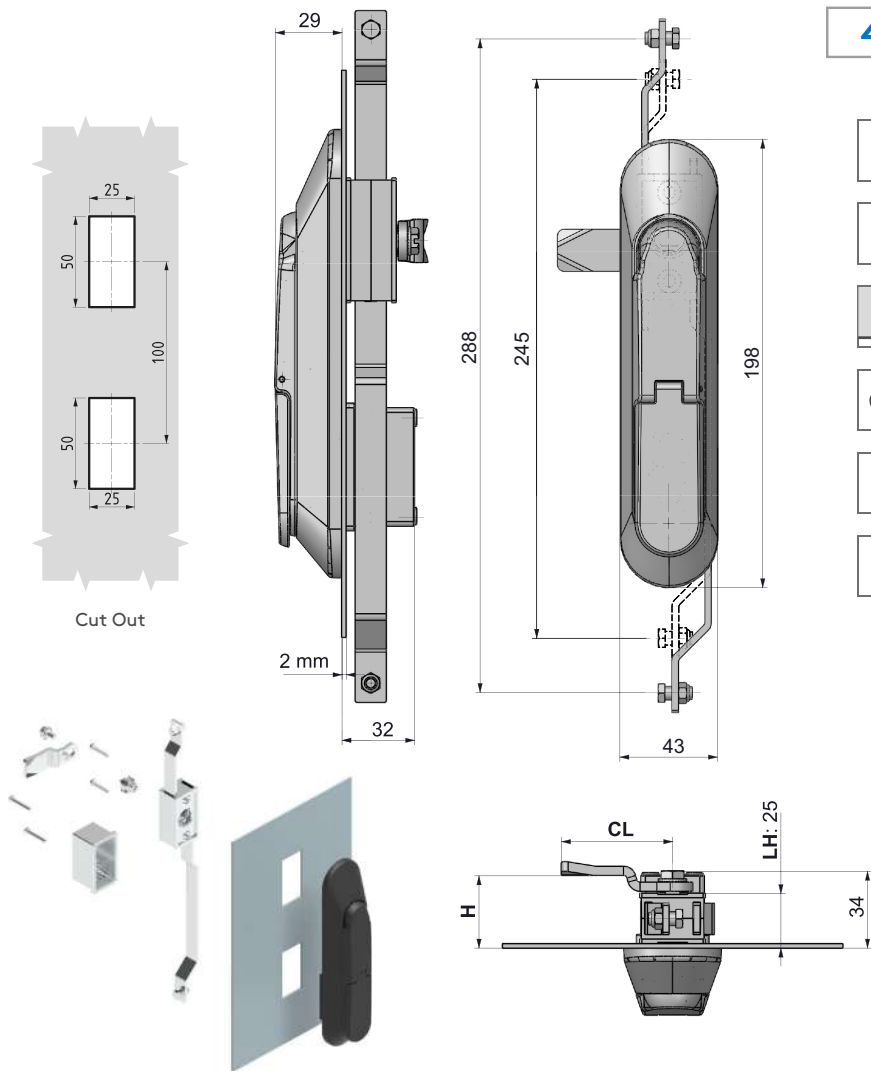
For cams please check pages: 170 - 171



For rods please check pages: 178 - 188

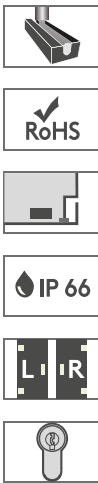


For keys please check pages: 189 - 191



409

SWINGHANDLE GEAR BOX



- All metal construction
- Special geometry protects against vandalism
- Complies with DIN EN 1627: 2011-09 RC2 test
- Improved corrosion resistance
- Double o-ring used for handle improves IP rating
- High-security cylinder alternative
- Improved IP rating with moving dust cap
- Please contact us for the use of different thicknesses of sheet metal.

MATERIAL

|            |                            |
|------------|----------------------------|
| BODY       | Zamak DIN-EN 1774-ZnAl4Cu1 |
| HANDLE:    | Zamak DIN-EN 1774-ZnAl4Cu1 |
| MECHANISM: | Zamak DIN-EN 1774-ZnAl4Cu1 |
| GASKET:    | Polyurethane               |
| COVER:     | Zamak DIN-EN 1774-ZnAl4Cu1 |
| CAM:       | Steel                      |

| CYLINDER TYPE                  |                                         | DD |
|--------------------------------|-----------------------------------------|----|
|                                | Keyed alike (Stainless steel dust cap)  | 03 |
|                                | Keyed differ (Stainless steel dust cap) | 32 |
|                                | Master system                           | 04 |
|                                | Euro key (5333)                         | 05 |
|                                | CH751 (Stainless steel dust cap)        | 07 |
| DRIVER TYPE                    |                                         | DD |
|                                | 5 mm Double bit                         | 15 |
|                                | 8 mm Square                             | 28 |
|                                | 9 mm Triangular                         | 39 |
|                                | Eastern                                 | 91 |
| HIGH-SECURITY CYLINDER (Zamak) |                                         |    |
|                                | Keyed alike                             | 22 |
|                                | Keyed differ                            | 23 |

| MATERIAL | M | FINISH       | F |
|----------|---|--------------|---|
| Zamak    | 1 | Black coated | 2 |

| Group Code | Version | Handle | Body | Cylinder | Cam |
|------------|---------|--------|------|----------|-----|
| 409        | 1       | 1      | 2    | 1        | 2   |
|            |         |        |      | DD       | CC  |

- For cams please check pages: 170 - 171
- For rods please check pages: 178 - 188
- For keys please check pages: 189 - 191

# ROD-LATCH SYSTEM

## SWINGHANDLE GEAR BOX

ALL IN METAL

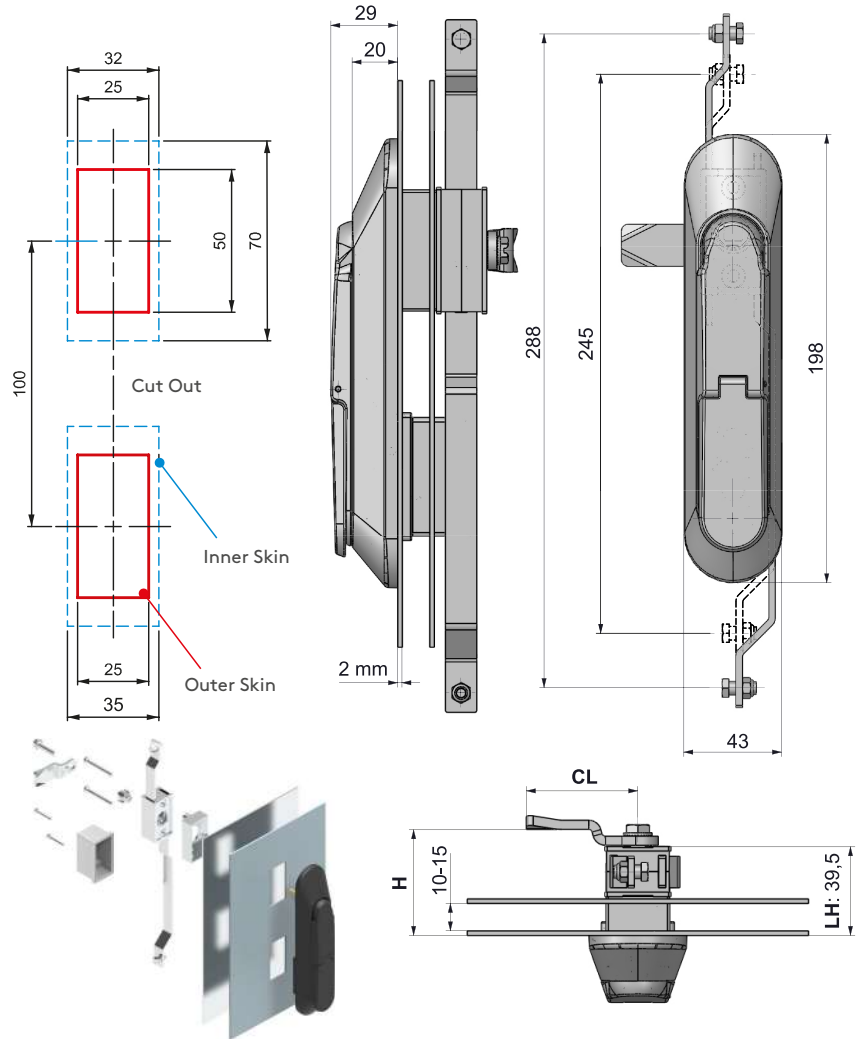
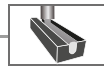


- All metal construction
- Special geometry protects against vandalism
- **Complies with**  
**DIN EN 1627: 2011-09 RC2 test**
- Double o-ring handle improves IP rating
- High-security cylinder alternative
- Improved IP rating with moving dust cap
- Please contact us for the use of different thicknesses of sheet metal.

### MATERIAL

**BODY** Zamak DIN-EN 1774-ZnAl4Cu1  
**HANDLE:** Zamak DIN-EN 1774-ZnAl4Cu1  
**MECHANISM:** Zamak DIN-EN 1774-ZnAl4Cu1  
**GASKET:** Polyurethane  
**COVER:** Zamak DIN-EN 1774-ZnAl4Cu1

409



| CYLINDER TYPE                                                                       |                                         | DD |
|-------------------------------------------------------------------------------------|-----------------------------------------|----|
|  | Keyed alike (Stainless steel dust cap)  | 03 |
|                                                                                     | Keyed differ (Stainless steel dust cap) | 32 |
|                                                                                     | Master system                           | 04 |
|                                                                                     | Euro key (5333)                         | 05 |
|                                                                                     | CH751 (Stainless steel dust cap)        | 07 |
| DRIVER TYPE                                                                         |                                         | DD |
|  | 5 mm Double bit                         | 15 |
|                                                                                     | 8 mm Square                             | 28 |
|                                                                                     | 9 mm Triangular                         | 39 |
|                                                                                     | Eastern                                 | 91 |
| HIGH-SECURITY CYLINDER (Zamak)                                                      |                                         | DD |
|  | Keyed alike                             | 22 |
|                                                                                     | Keyed differ                            | 23 |

| MATERIAL | M | FINISH       | F |
|----------|---|--------------|---|
| Zamak    | 1 | Black coated | 2 |

| Group Code | Version | Handle | Body | Cylinder | Cam |
|------------|---------|--------|------|----------|-----|
| 409        | 3       | 1      | 2    | 1        | 2   |
|            |         |        |      | DD       | CC  |



For cams please check pages: 170 - 171



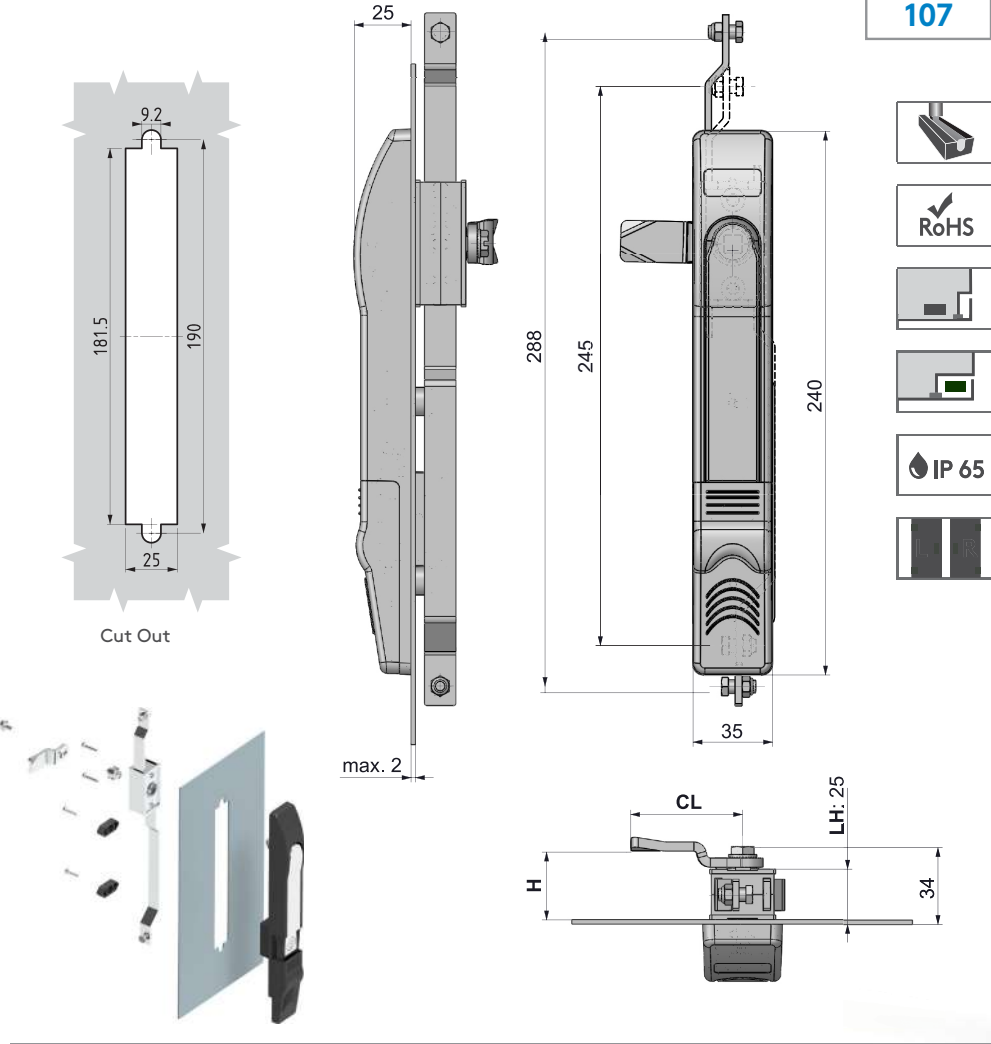
For rods please check pages: 178 - 188



For keys please check pages: 189 - 191

107

SWINGHANDLE GEAR BOX



| CYLINDER TYPE                                                                       |                                         | DD |
|-------------------------------------------------------------------------------------|-----------------------------------------|----|
|  | Keyed alike (Stainless steel dust cap)  | 03 |
|                                                                                     | Keyed differ (Stainless steel dust cap) | 32 |
|                                                                                     | Euro key (5333)                         | 05 |
|                                                                                     | CH751 (Stainless steel dust cap)        | 07 |
| DRIVER TYPE                                                                         |                                         | DD |
|  | 5 mm Double bit                         | 15 |
|                                                                                     | 8 mm Square                             | 28 |
|                                                                                     | 9 mm Triangular                         | 39 |

- Suitable for indoor applications
- Spring-loaded , slam action swing handle
- Sliding dust cover
- Suited for outside gasketing application

**MATERIAL**  
BODY Polyamide DIN-EN ISO 1043-1 PA6 GFR 30  
HANDLE Zamak DIN-EN 1774-ZnAl4Cu1  
MECHANISM: Zamak DIN-EN 1774-ZnAl4Cu1  
CAM: Steel  
GASKET: Polyurethane

| MATERIAL | M | FINISH        | F |
|----------|---|---------------|---|
| Zamak    | 1 | Chrome plated | 1 |
|          |   | Black coated  | 2 |
| Plastic  | 2 | No finish     | 0 |

| Group Code | Handle | Body | Driver Cylinder | Cam |
|------------|--------|------|-----------------|-----|
| 107        | 1      | F    | 2               | 0   |
|            |        |      | DD              | CC  |

- For cams please check pages: 170 - 171
- For rods please check pages: 178 - 188
- For keys please check pages: 189 - 191

# ROD-LATCH SYSTEM

## SWINGHANDLE GEAR BOX

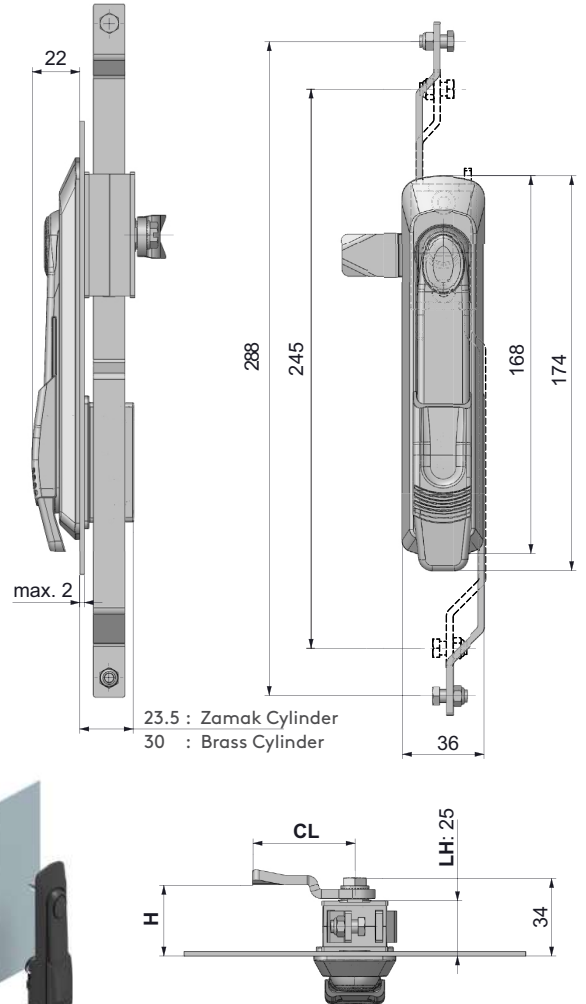
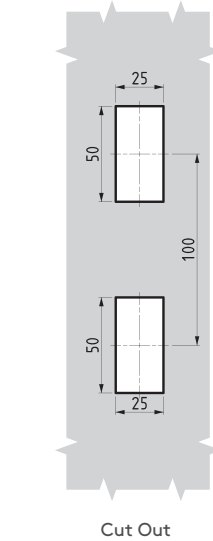
207



- Sliding dust cover
- Ergonomic handle
- Padlockable version available
- 40 mm Euro Profile cylinder fitted

### MATERIAL

**BODY:** Polyamide DIN-EN ISO 1043-1 PA6 GFR 30  
**HANDLE:** PA6 GFR 30  
**MECHANISM:** PA6 GFR 30  
**CAM:** Steel  
**GASKET:** Polyurethane



| CYLINDER TYPE                                                                       |                                         | DD |
|-------------------------------------------------------------------------------------|-----------------------------------------|----|
|  | Keyed alike (Stainless steel dust cap)  | 03 |
|                                                                                     | Keyed differ (Stainless steel dust cap) | 32 |
|                                                                                     | Master system                           | 04 |
|                                                                                     | Euro key (5333)                         | 05 |
|                                                                                     | CH751 (Stainless steel dust cap)        | 07 |
| DRIVER TYPE                                                                         |                                         | DD |
|  | 5 mm Double bit                         | 15 |
|                                                                                     | 8 mm Square                             | 28 |
|                                                                                     | 9 mm Triangular                         | 39 |
|                                                                                     | Eastern                                 | 91 |
| BRASS CYLINDER                                                                      |                                         | DD |
|  | Keyed alike                             | 11 |
| NO CYLINDER                                                                         |                                         | DD |
|  | Plastic blind cylinder                  | 24 |

-  For cams please check pages: 170 - 171
-  For rods please check pages: 178 - 188
-  For keys please check pages: 189 - 191

| Group Code | Handle | Body | Cylinder | Cam | Padlock* |
|------------|--------|------|----------|-----|----------|
| 207        | 2      | 0    | 2        | 0   | DD CC    |

\*: add "1" for padlock application

307

SWINGHANDLE GEAR BOX

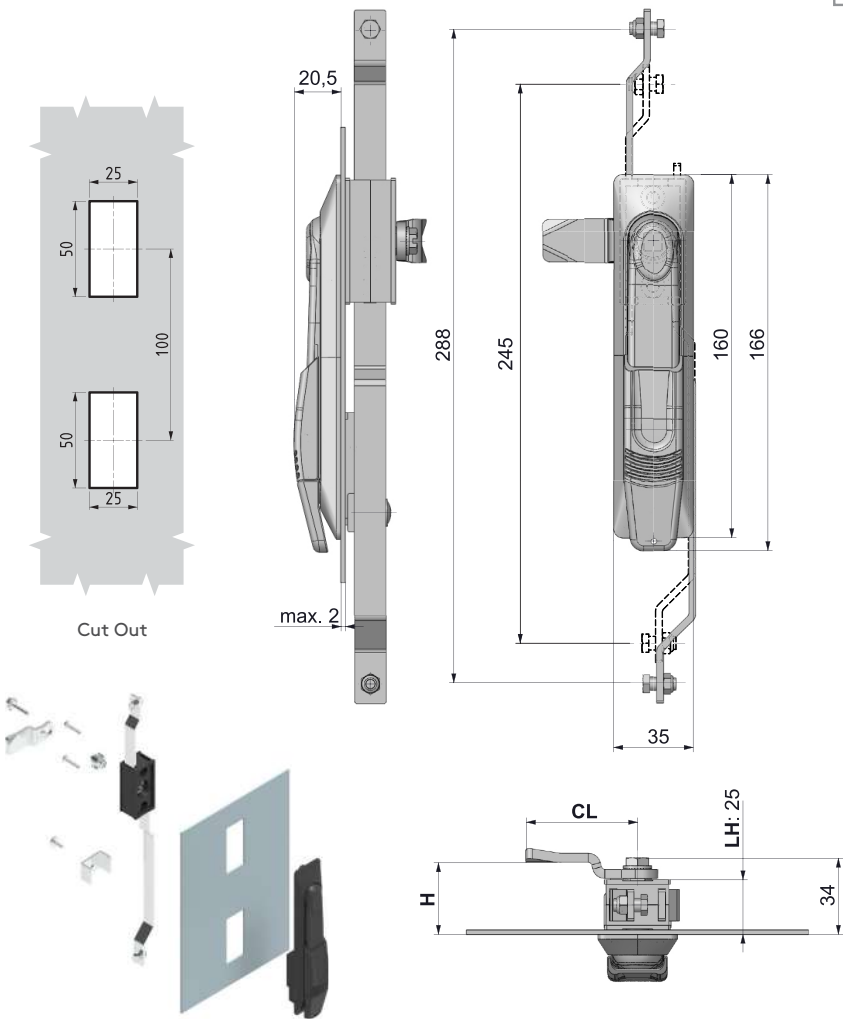
-  Rod
-  RoHS
-  IP 65
-  Key



- Sliding dust cover
- Ergonomic handle
- Padlockable version available

**MATERIAL**  
BODY: Polyamide DIN-EN ISO 1043-1 PA6 GFR 30  
HANDLE: PA6 GFR 30 or Zamak  
MECHANISM: PA6 GFR 30  
CAM: Steel  
GASKET: Polyurethane

-  For cams please check pages: 170 - 171
-  For rods please check pages: 178 - 188
-  For keys please check pages: 189 - 191



| CYLINDER TYPE                                                                       |                                         | DD |
|-------------------------------------------------------------------------------------|-----------------------------------------|----|
|  | Keyed alike (Stainless steel dust cap)  | 03 |
|                                                                                     | Keyed differ (Stainless steel dust cap) | 32 |
|                                                                                     | Euro key (5333)                         | 05 |
|                                                                                     | CH751 (Stainless steel dust cap)        | 07 |
| DRIVER TYPE                                                                         |                                         | DD |
|  | 5 mm Double bit                         | 15 |
|                                                                                     | 8 mm Square                             | 28 |
|                                                                                     | 9 mm Triangular                         | 39 |

| MATERIAL | M | FINISH        | F |
|----------|---|---------------|---|
| Zamak    | 1 | Chrome plated | 1 |
|          |   | Black coated  | 2 |
| Plastic  | 2 | No finish     | 0 |

| Group Code | Handle |   | Body |   | Driver Cylinder | Cam | Padlock* |
|------------|--------|---|------|---|-----------------|-----|----------|
| 307        | M      | F | 2    | 0 | DD              | CC  |          |

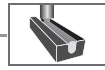
\*: add "1" for padlock application



## ROD-LATCH SYSTEM

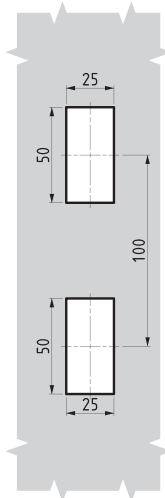
### MODULAR SYSTEM SWINGHANDLE

407

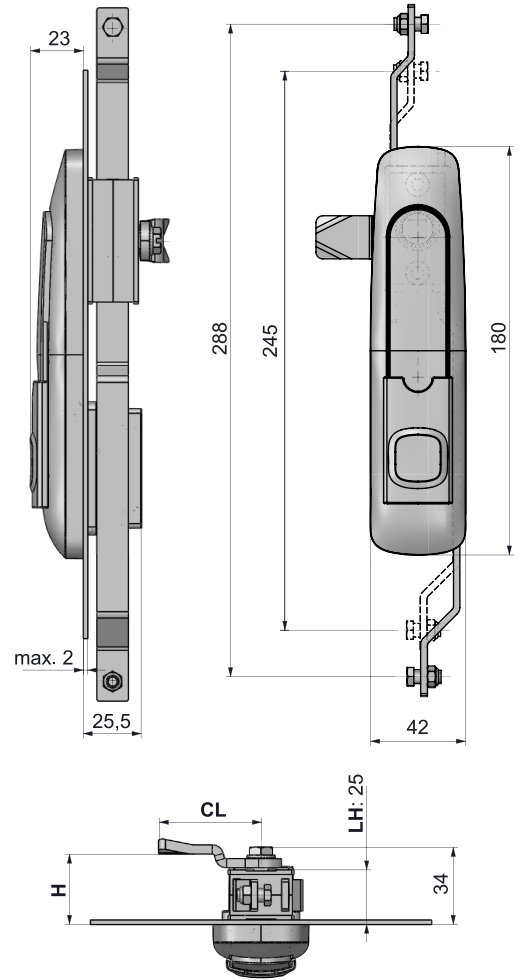


RoHS

IP 65



Cut Out



- Swing handle has a modular lock structure allows easy modification for customer requests
- Lock and modules could be ordered separately
- Single point locking and gearbox option is possible on same lock by an adaptor
- Padlock is optional
- Easy fixing option by plastic clips

#### MATERIAL

BODY PA6 GFR 30  
HANDLE Zamak DIN-EN 1774-ZnAl4Cu1  
MECHANISM: PA6 GFR 30  
MODULE Zamak  
CAM: Steel

| CYLINDER TYPE |                                         | DD | Order code |
|---------------|-----------------------------------------|----|------------|
|               | Stainless steel dust cap (Keyed alike)  | 03 | MDL03      |
|               | Stainless steel dust cap (Keyed differ) | 32 | MDL32      |
|               | Euro key (5333)                         | 05 | MDL05      |
|               | CH751 (Stainless steel dust cap)        | 07 | MDL07      |
| DRIVER TYPE   |                                         | DD | Order code |
|               | 5 mm Double bit                         | 15 | MDL15      |
|               | 8 mm Square                             | 28 | MDL28      |
|               | 9 mm Triangular                         | 39 | MDL39      |

| MATERIAL | M | FINISH        | F |
|----------|---|---------------|---|
| Zamak    | 1 | Chrome plated | 1 |
|          |   | Black coated  | 2 |
| Plastic  | 2 | No finish     | 0 |

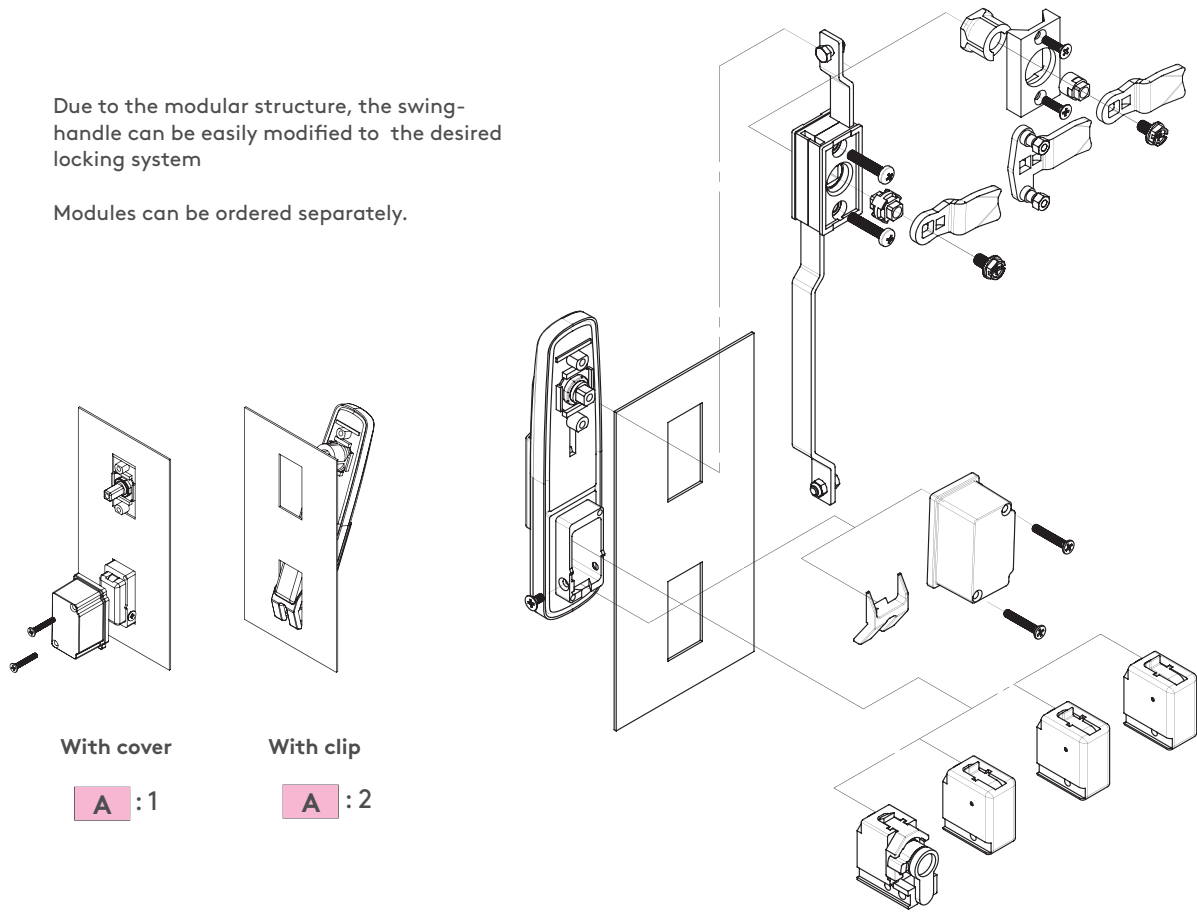
| Group Code | Handle |   | Body |   | Module | Cam | Assembly | Padlock* |
|------------|--------|---|------|---|--------|-----|----------|----------|
| 407        | 1      | F | 2    | 0 | DD     | CC  | A        |          |

\*: add "1" for padlock application

- For cams please check pages: 170 - 171
- For rods please check pages: 178 - 188
- For keys please check pages: 189 - 191

Due to the modular structure, the swing-handle can be easily modified to the desired locking system

Modules can be ordered separately.



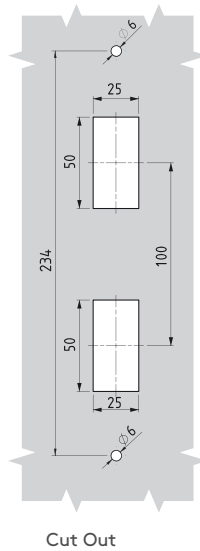
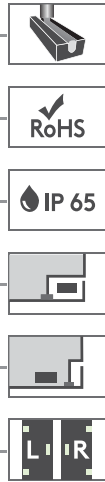
The set items can be ordered separately with their codes in below

|                                                                                                            |                                                                                                            |                                                                                                             |                                                                                     |                                                                                       |                                                                                       |                                                                                       |
|------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|                         |                         |                          |  |   |  |  |
| MLS01                                                                                                      | MLS02                                                                                                      | MLS03                                                                                                       | MDLXX                                                                               | MLS05                                                                                 | 320.02.246                                                                            | DILLER                                                                                |
| 1-SET:                                                                                                     | 1-SET:                                                                                                     | 1-SET:                                                                                                      | MODULES                                                                             | 1-SET:                                                                                | 1-PCS                                                                                 |                                                                                       |
| <ul style="list-style-type: none"><li>• Body</li><li>• Handle</li><li>• Dust cap</li><li>• Shaft</li></ul> | <ul style="list-style-type: none"><li>• Plastic Mechanism</li><li>• Screws</li><li>• Cam Adapter</li></ul> | <ul style="list-style-type: none"><li>• Plastic Fixed Part</li><li>• Screws</li><li>• Cam Adapter</li></ul> | <ul style="list-style-type: none"><li>• MDLXX</li></ul>                             | <ul style="list-style-type: none"><li>• Plastic Fixed Part</li><li>• Screws</li></ul> | <ul style="list-style-type: none"><li>• Clip-in part</li></ul>                        |                                                                                       |
|                                                                                                            | For multi point locking                                                                                    | For single point locking                                                                                    | Please check the previous page                                                      | With this set the handle meet IP 65 specs.                                            | With this clip-in part mounting time reduces by %50                                   | Please check the cams page 172 - 173                                                  |

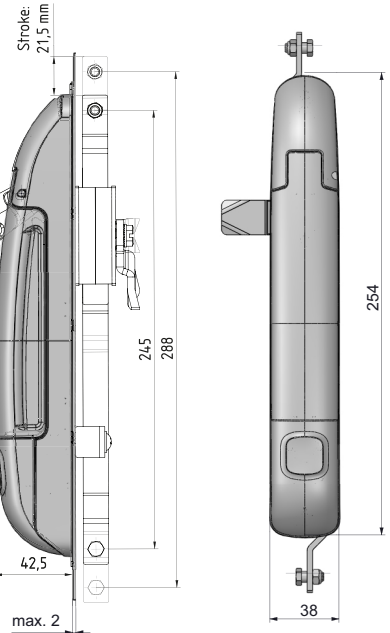
# ROD-LATCH SYSTEM

## LINEAR HANDLE LOCK

204

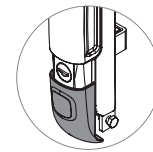


V:1  
With mechanism

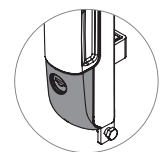


OPTION

Sliding dust cover 1



Fixed cover 2



- Ergonomic and modern design
- Locking and unlocking by linear movement
- Suitable for inside & outside gasketing applications
- Swing handle has a modular lock structure allows easy modification for customer requests
- Standard or special rods allows locking to both directions

### MATERIAL

BODY PA6 GFR 30  
HANDLE Zamak DIN-EN 1774-ZnAl4Cu1

MECHANISM: Steel  
CAM: Steel  
GASKET: Polyurethane

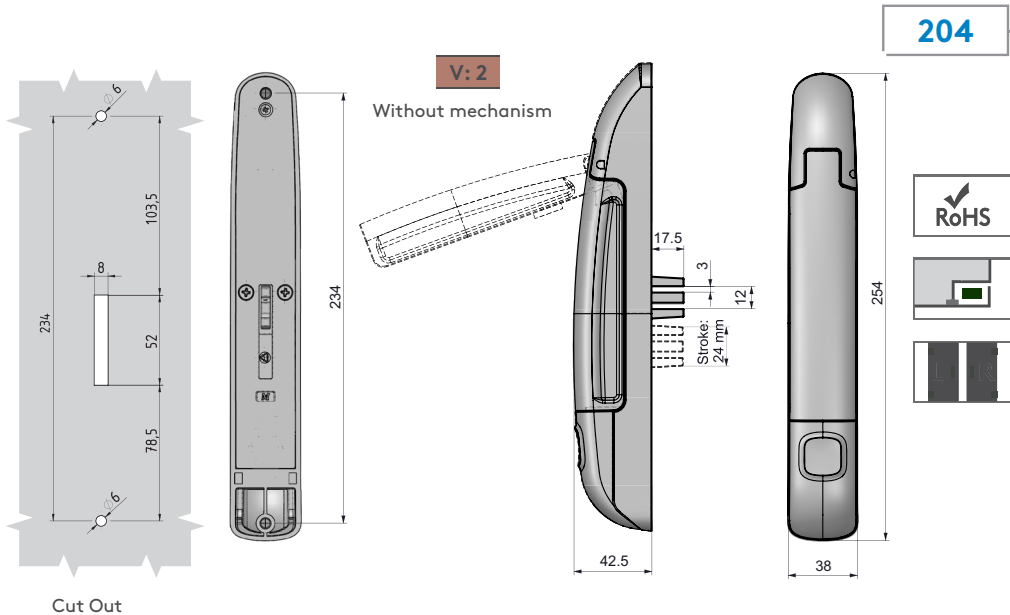
 **Note:** For different colors please contact Essentra

| CYLINDER TYPE                                                                       |                                         | DD |
|-------------------------------------------------------------------------------------|-----------------------------------------|----|
|  | Stainless steel dust cap (Keyed alike)  | 03 |
|                                                                                     | Stainless steel dust cap (Keyed differ) | 32 |
|                                                                                     | Euro key (5333)                         | 05 |
|                                                                                     | CH751 (Stainless steel dust cap)        | 07 |
| DRIVER TYPE                                                                         |                                         | DD |
|  | 5 mm Double bit                         | 15 |
|                                                                                     | 8 mm Square                             | 28 |
|                                                                                     | 9 mm Triangular                         | 39 |
|                                                                                     | Button                                  | 55 |

| MATERIAL | M | FINISH        | F |
|----------|---|---------------|---|
| Zamak    | 1 | Chrome plated | 1 |
|          |   | Black coated  | 2 |

| Group Code | Version | Handle | Body | Modul | Cam | Option  |
|------------|---------|--------|------|-------|-----|---------|
| 204        | V       | 1      | F    | 2     | 0   | DD CC O |

-  For cams please check pages: 170 - 171
-  For rods please check pages: 178 - 188
-  For keys please check pages: 189 - 191



204

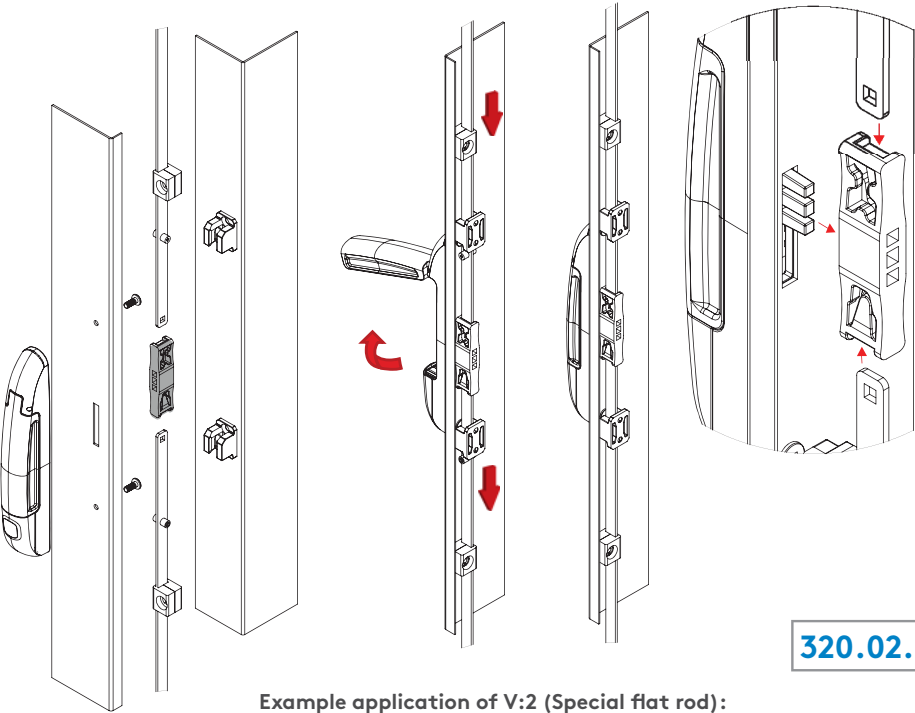
LINEAR HANDLE LOCK



Example application of V:2 (standard flat rod):

- Ergonomic and modern design
- Locking and unlocking by linear movement
- Suitable for inside & outside gasketing applications
- Swing handle has a modular lock structure allows easy modification for customer requests
- Standard or special rods allows locking to one direction

**MATERIAL**  
BODY PA6 GFR 30  
HANDLE Zamak DIN-EN 1774-ZnAl4Cu1  
MECHANISM: Steel



320.02.225

FLAT ROD  
EASY ASSEMBLY PART



- Allows easy mounting of the flat rods

**MATERIAL**  
PA6 GFR 30

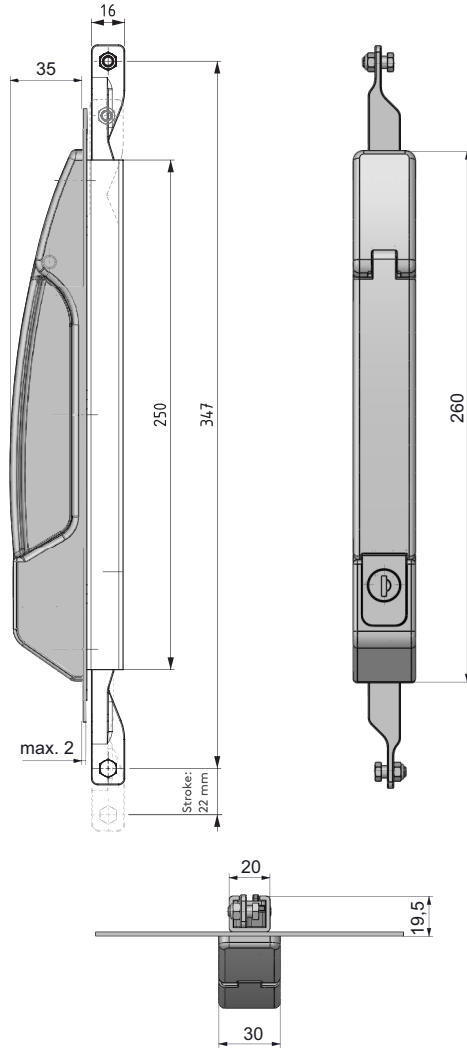
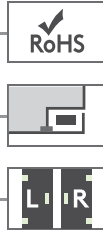
For rods please check pages: 178 - 188  
For keys please check pages: 189 - 191

# ROD-LATCH SYSTEM

## LINEAR HANDLE LOCK

104

ALL IN METAL



- Locking and unlocking by linear movement
- Suitable for out-of-gasket applications

**MATERIAL**  
**BODY** Zamak DIN-EN 1774-ZnAl4Cu1  
**HANDLE** Zamak DIN-EN 1774-ZnAl4Cu1  
**MECHANISM:** Steel  
**CAM:** Steel

| CYLINDER TYPE                                                                       |                                         | DD |
|-------------------------------------------------------------------------------------|-----------------------------------------|----|
|  | Keyed alike (Stainless steel dust cap)  | 03 |
|                                                                                     | Keyed differ (Stainless steel dust cap) | 32 |
|                                                                                     | Euro key (5333)                         | 05 |
|                                                                                     | CH751 (Stainless steel dust cap)        | 07 |
| DRIVER TYPE                                                                         |                                         | DD |
|  | 5 mm Double bit                         | 15 |
|                                                                                     | 8 mm Square                             | 28 |
|                                                                                     | 9 mm Triangular                         | 39 |
|                                                                                     | Button                                  | 55 |

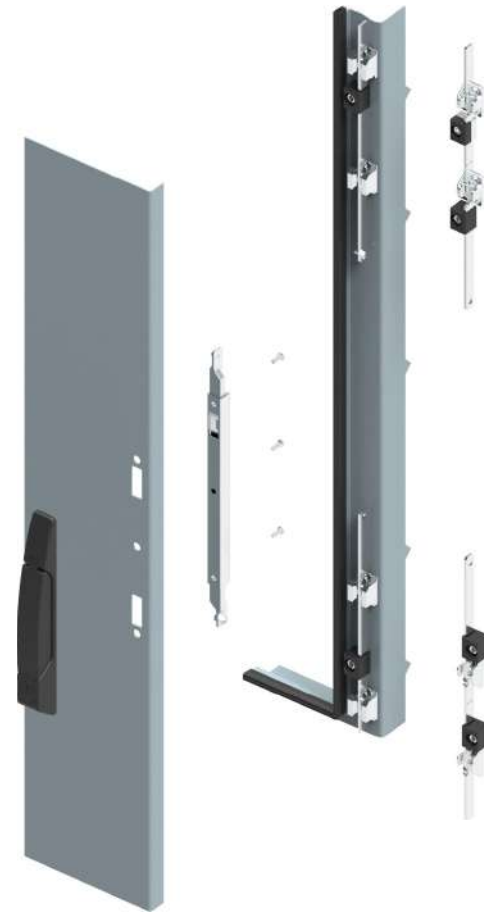
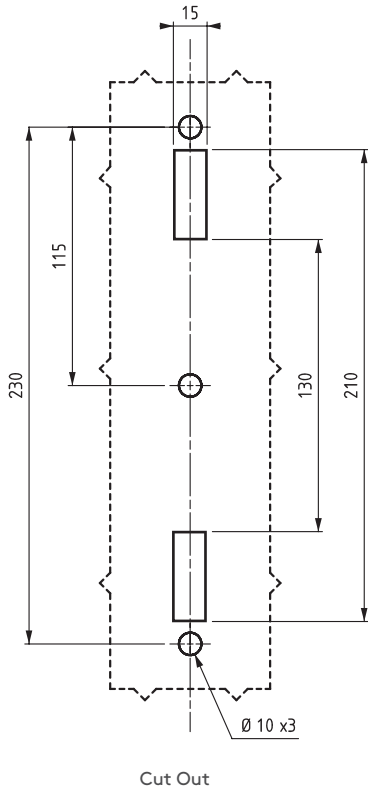
| MATERIAL | M | FINISH        | F |
|----------|---|---------------|---|
| Zamak    | 1 | Chrome plated | 1 |
|          |   | Black coated  | 2 |

| Group Code | Handle | Body | Module |
|------------|--------|------|--------|
| 104        | 1      | F    | DD     |

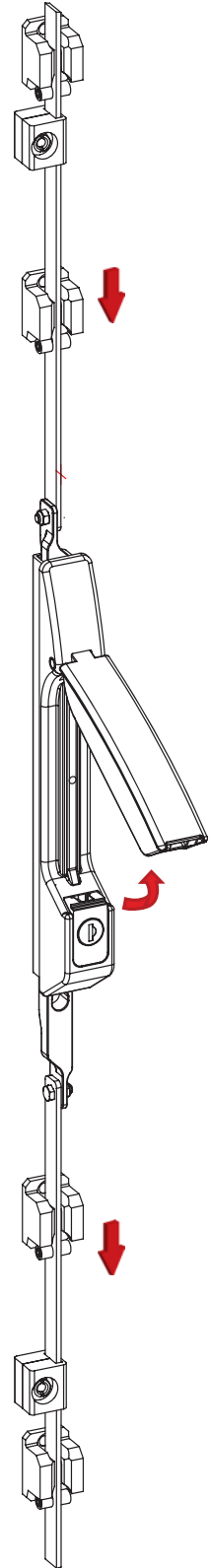
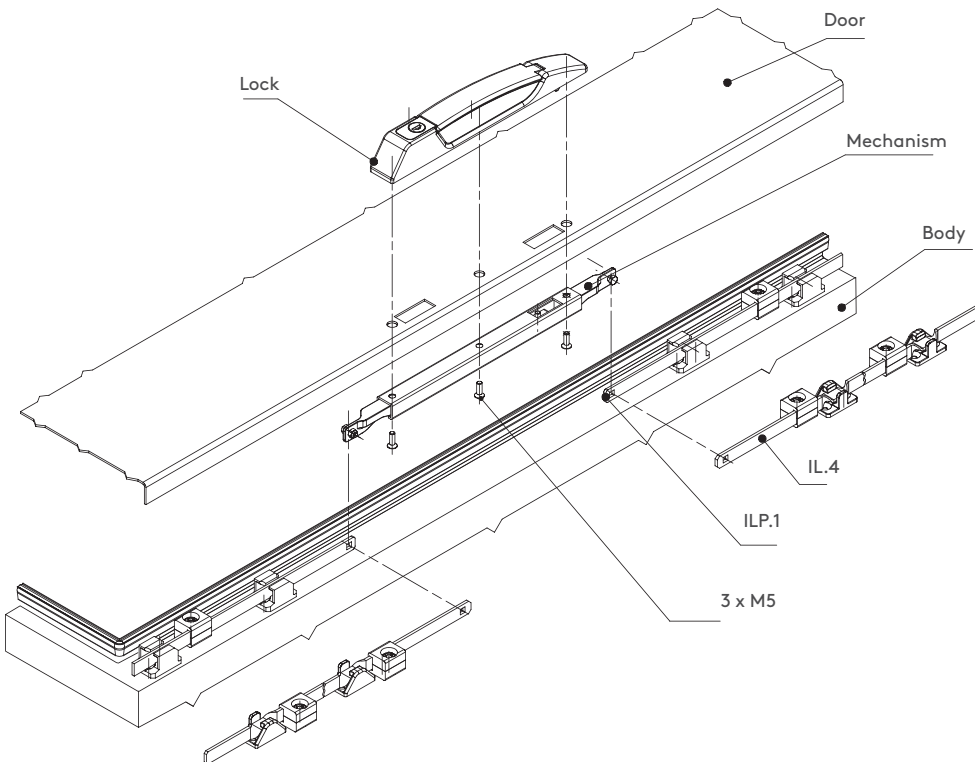


104

DİKEY MEKANİZMALI KOLLU KİLİT



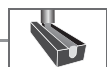
Application



# ROD-LATCH SYSTEM

## SWINGHANDLE GEAR BOX

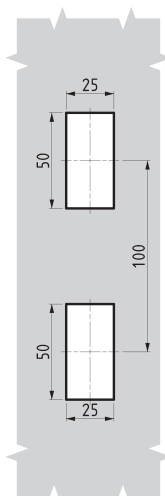
109



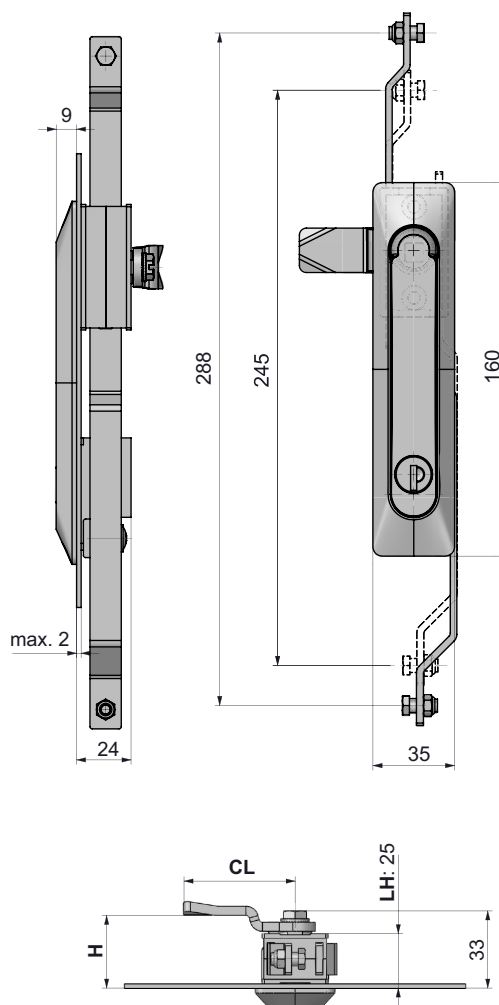
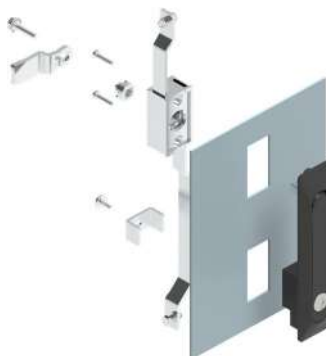
RoHS



IP 65



Cut Out



- Ultra-low external profile, just 9 mm, for flush appearance
- Spring loaded, slam-action swinghandle

### MATERIAL

**BODY** Zamak DIN-EN 774-ZnAl4Cu1 or PA6 GFR 30

**HANDLE** Zamak DIN-EN 1774-ZnAl4Cu1

**MECHANISM:** Zamak DIN-EN 1774-ZnAl4Cu1

**CAM:** Steel

**GASKET:** Polyurethane

### CYLINDER TYPE

DD



Keyed alike (Stainless steel dust cap)

03

Keyed differ (Stainless steel dust cap)

32

Master system

04

Euro key (5333)

05

CH751 (Stainless steel dust cap)

07

### DRIVER TYPE

DD



5 mm Double bit

15

8 mm Square

28

9 mm Triangular

39

### HIGH-SECURITY CYLINDER

DD



Keyed alike

20

Keyed differ

21

### MATERIAL

M

### FINISH

F

|         |   |               |   |
|---------|---|---------------|---|
| Zamak   | 1 | Chrome plated | 1 |
|         |   | Black coated  | 2 |
| Plastic | 2 | No finish     | 0 |

| Group Code | Handle | Body | Driver Cylinder | Cam |
|------------|--------|------|-----------------|-----|
| 109        | 1      | F    | M               | F   |
|            |        |      | DD              | CC  |



For cams please check pages: 170 - 171

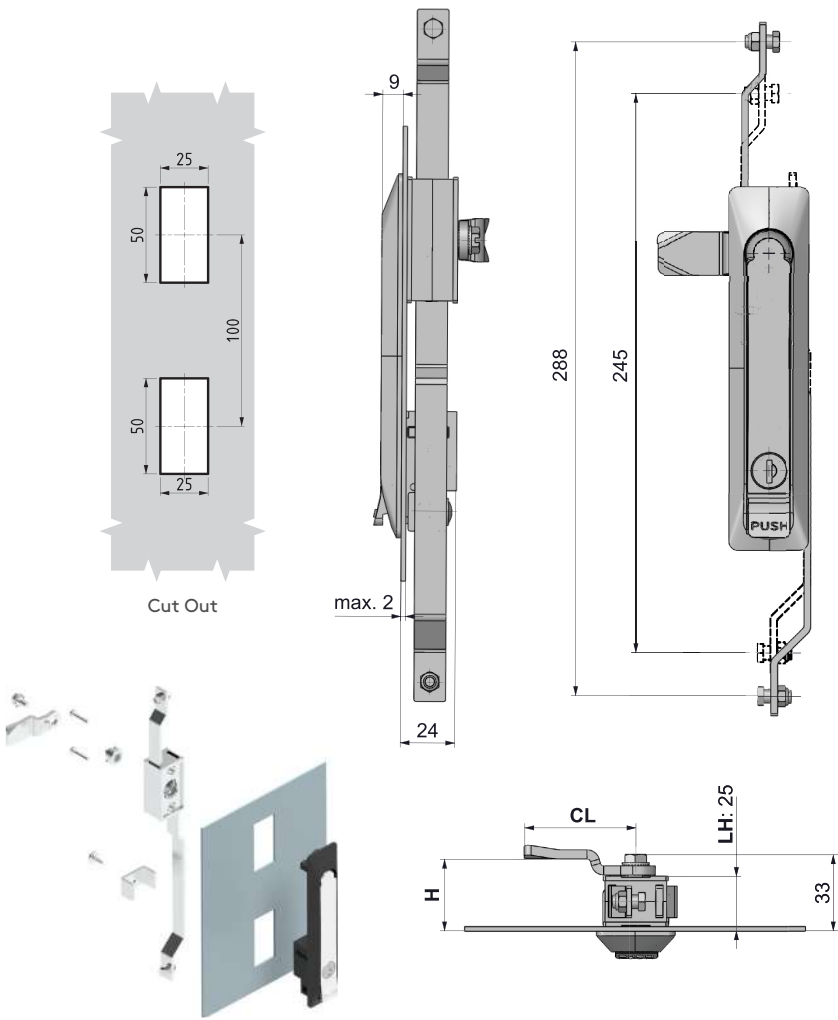


For rods please check pages: 178 - 188



For keys please check pages: 189 - 191





909

SWINGHANDLE GEAR BOX



| CYLINDER TYPE |                                         | DD |
|---------------|-----------------------------------------|----|
|               | No Cylinder                             | 00 |
|               | Keyed alike (Stainless steel dust cap)  | 03 |
|               | Keyed differ (Stainless steel dust cap) | 32 |
|               | Master sistem                           | 04 |
|               | Euro key (5333)                         | 05 |
|               | CH751 (Stainless steel dust cap)        | 07 |
| DRIVER        |                                         | DD |
|               | 5 mm Double bit                         | 15 |
|               | 8 mm Square                             | 28 |
|               | 9 mm Triangular                         | 39 |

| MATERIAL | M | FINISH        | F |
|----------|---|---------------|---|
| Zamak    | 1 | Chrome plated | 1 |
|          |   | Black coated  | 2 |
| Plastik  | 2 | No finish     | 0 |

| Group Code | Handle | Body | Driver Cylinder | Cam | Padlock* |
|------------|--------|------|-----------------|-----|----------|
| 909        | 1      | F    | M               | F   | DD CC    |

\*: add "1" for padlock application

- Swing handle with push button
- Standard cut out
- Ultra low external profile, just 9 mm, to give flush appearance

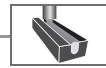
**MATERIAL**  
**BODY** Zamak DIN-EN 774-ZnAl4Cu1 or PA6 GFR 30  
**MECHANISM:** Zamak DIN-EN 1774-ZnAl4Cu1  
**HANDLE** Zamak DIN-EN 1774-ZnAl4Cu1  
**CAM:** Steel  
**GASKET:** Polyurethane

- For cams please check pages: 170 - 171
- For rods please check pages: 178 - 188
- For keys please check pages: 189 - 191

# ROD-LATCH SYSTEM

## SWINGHANDLE GEAR BOX

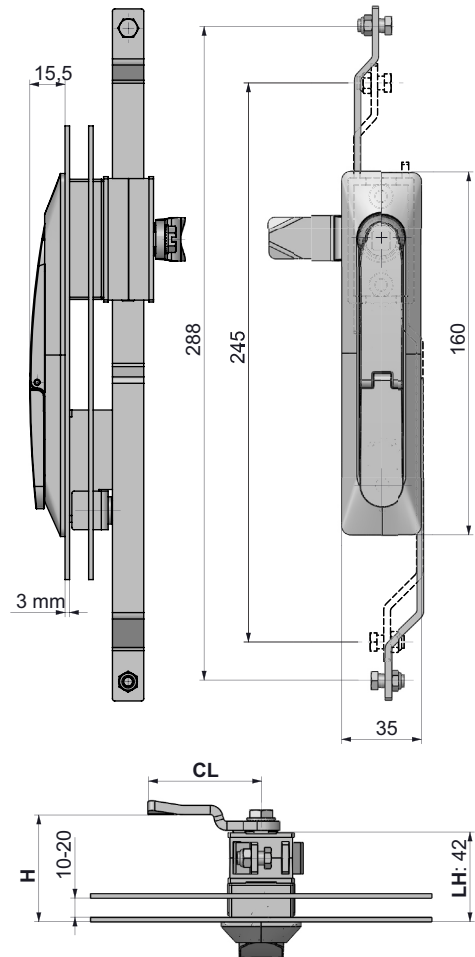
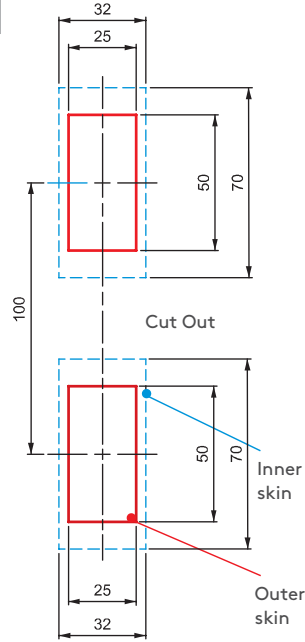
109



RoHS



IP 65



The swing handle can be modified per double-skin panel thickness.

- Ideal for double-skin doors and outdoor cabinets
- Stronger body to protect against vandalism
- High-security cylinder with specially shaped key prevents unauthorized duplication
- Improved IP resistance with moving dust cap
- Spring-loaded handle, slam action

### MATERIAL

**BODY** Zamak DIN-EN 1774-ZnAl4Cu1  
**HANDLE:** Zamak DIN-EN 1774-ZnAl4Cu1  
**MECHANISM:** Zamak DIN-EN 1774-ZnAl4Cu1  
**CAM:** Steel  
**GASKET:** Polyurethane

| CYLINDER TYPE                                                                       |                                         | DD |
|-------------------------------------------------------------------------------------|-----------------------------------------|----|
|  | Keyed alike (Stainless steel dust cap)  | 03 |
|                                                                                     | Keyed differ (Stainless steel dust cap) | 32 |
|                                                                                     | Master system                           | 04 |
|                                                                                     | Euro key (5333)                         | 05 |
|                                                                                     | CH751 (Stainless steel dust cap)        | 07 |
| DRIVER TYPE                                                                         |                                         | DD |
|  | 5 mm Double bit                         | 15 |
|                                                                                     | 8 mm Square                             | 28 |
|                                                                                     | 9 mm Triangular                         | 39 |
| HIGH-SECURITY CYLINDER                                                              |                                         | DD |
|  | Keyed alike                             | 20 |
|                                                                                     | Keyed differ                            | 21 |

| MATERIAL | M | FINISH        | F |
|----------|---|---------------|---|
| Zamak    | 1 | Chrome plated | 1 |
|          |   | Black coated  | 2 |

| Group Code | Version | Handle | Body | Cylinder | Cam |
|------------|---------|--------|------|----------|-----|
| 109        | 3       | 1      | F    | 1        | F   |



For cams please check pages: 170 - 171



For rods please check pages: 178 - 188

109

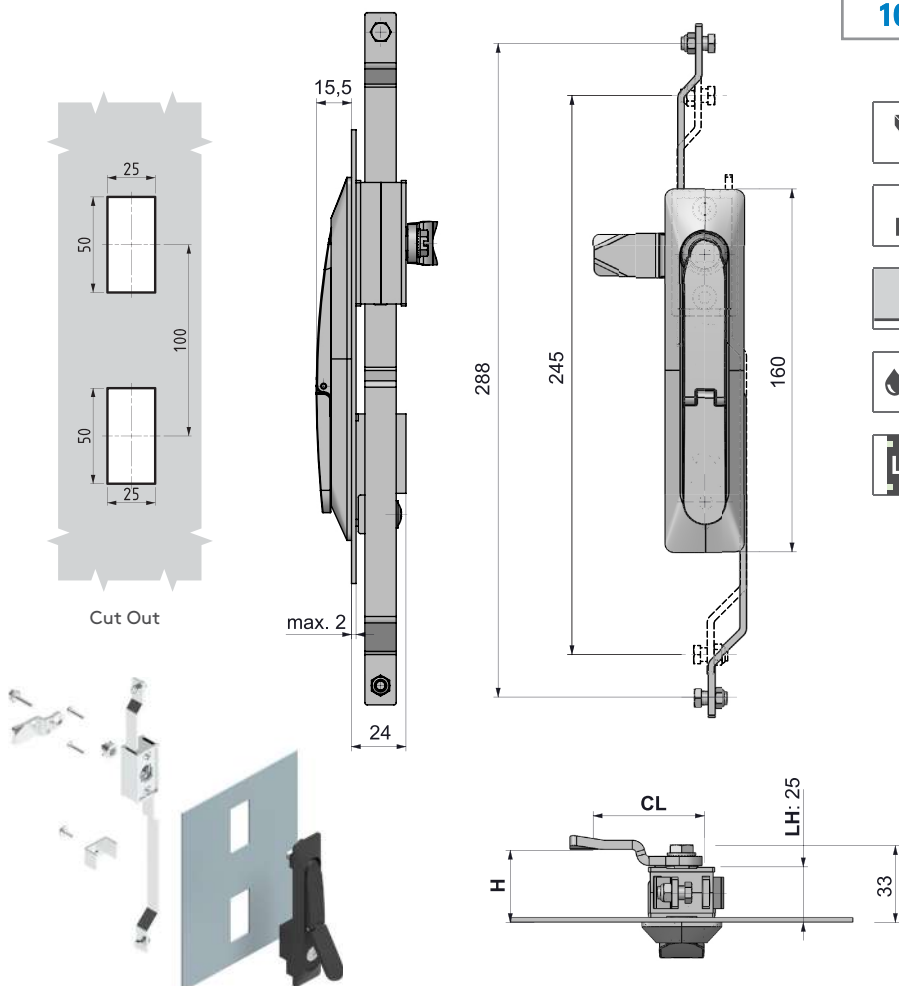
SWINGHANDLE GEAR BOX



- All metal construction
- Improved corrosion resistance
- High-security cylinder alternative
- Improved IP resistance with moving dust cap

|            |                            |
|------------|----------------------------|
| MATERIAL   |                            |
| BODY       | Zamak DIN-EN 1774-ZnAl4Cu1 |
| HANDLE     | Zamak DIN-EN 1774-ZnAl4Cu1 |
| MECHANISM: | Zamak DIN-EN 1774-ZnAl4Cu1 |
| CAM:       | Steel                      |
| GASKET:    | Polyurethane               |

- For cams please check pages: 170 - 171
- For rods please check pages: 178 - 188
- For keys please check pages: 189 - 191



| CYLINDER TYPE          |                                         | DD |
|------------------------|-----------------------------------------|----|
|                        | Keyed alike (Stainless steel dust cap)  | 03 |
|                        | Keyed differ (Stainless steel dust cap) | 32 |
|                        | Master system                           | 04 |
|                        | Euro key (5333)                         | 05 |
|                        | CH751 (Stainless steel dust cap)        | 07 |
| DRIVER TYPE            |                                         | DD |
|                        | 5 mm Double bit                         | 15 |
|                        | 8 mm Square                             | 28 |
|                        | 9 mm Triangular                         | 39 |
| HIGH-SECURITY CYLINDER |                                         | DD |
|                        | Keyed alike                             | 20 |
|                        | Keyed differ                            | 21 |

| MATERIAL | M | FINISH        | F |
|----------|---|---------------|---|
| Zamak    | 1 | Chrome plated | 1 |
|          |   | Black coated  | 2 |

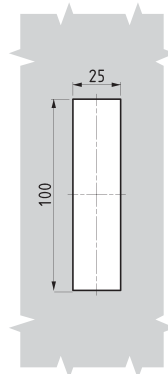
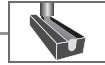
| Group Code | Version | Handle | Body | Cylinder | Cam |    |    |
|------------|---------|--------|------|----------|-----|----|----|
| 109        | 2       | 1      | F    | 1        | F   | DD | CC |

## ROD-LATCH SYSTEM

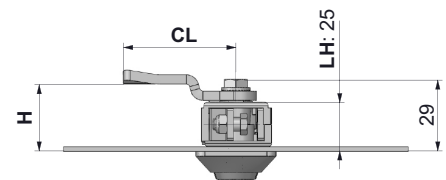
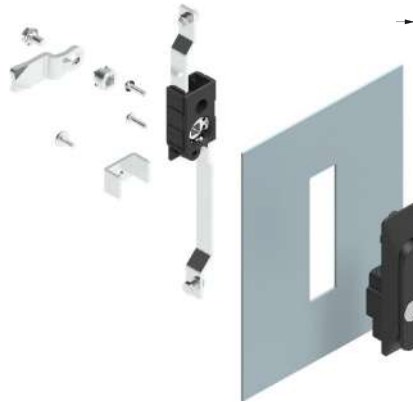
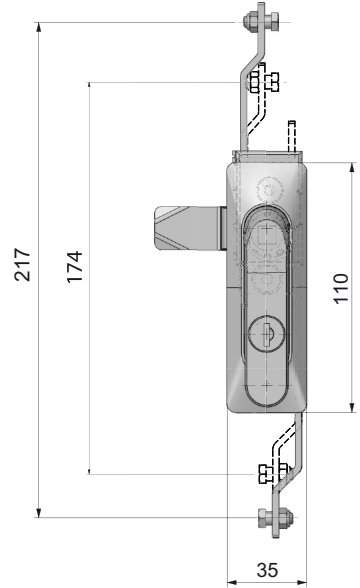
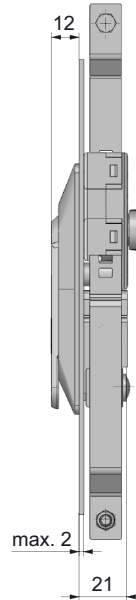
### SWINGHANDLE GEAR BOX

309

#### SMALL VERSION



Cut Out



- Large version: page 75
- Swinghandle can be applied outside gasketing
- Special gear-box is used
- Three-point locking
- 25 mm x 100 mm cut out

#### MATERIAL

BODY Polyamide DIN-EN ISO 1043-1 PA6 GFR 30

MECHANISM: PA66

HANDLE Zamak DIN-EN 1774-ZnAl4Cu1 or PA6 GFR 30

GASKET: Polyurethane

#### CYLINDER TYPE

|                                         | DD |
|-----------------------------------------|----|
| No Cylinder                             | 00 |
| Keyed alike (Stainless steel dust cap)  | 03 |
| Keyed differ (Stainless steel dust cap) | 32 |
| Master system                           | 04 |
| Euro key (5333)                         | 05 |
| CH751 (Stainless steel dust cap)        | 07 |

| MATERIAL | M | FINISH        | F |
|----------|---|---------------|---|
| Zamak    | 1 | Chrome plated | 1 |
|          |   | Black coated  | 2 |
| Plastic  | 2 | No finish     | 0 |

| Group Code | Handle | Body | Driver Cylinder | Cam |
|------------|--------|------|-----------------|-----|
| 309        | M      | F    | 2               | 0   |
|            |        |      | DD              | CC  |



For cams please check pages: 170 - 171



For rods please check pages: 178 - 188

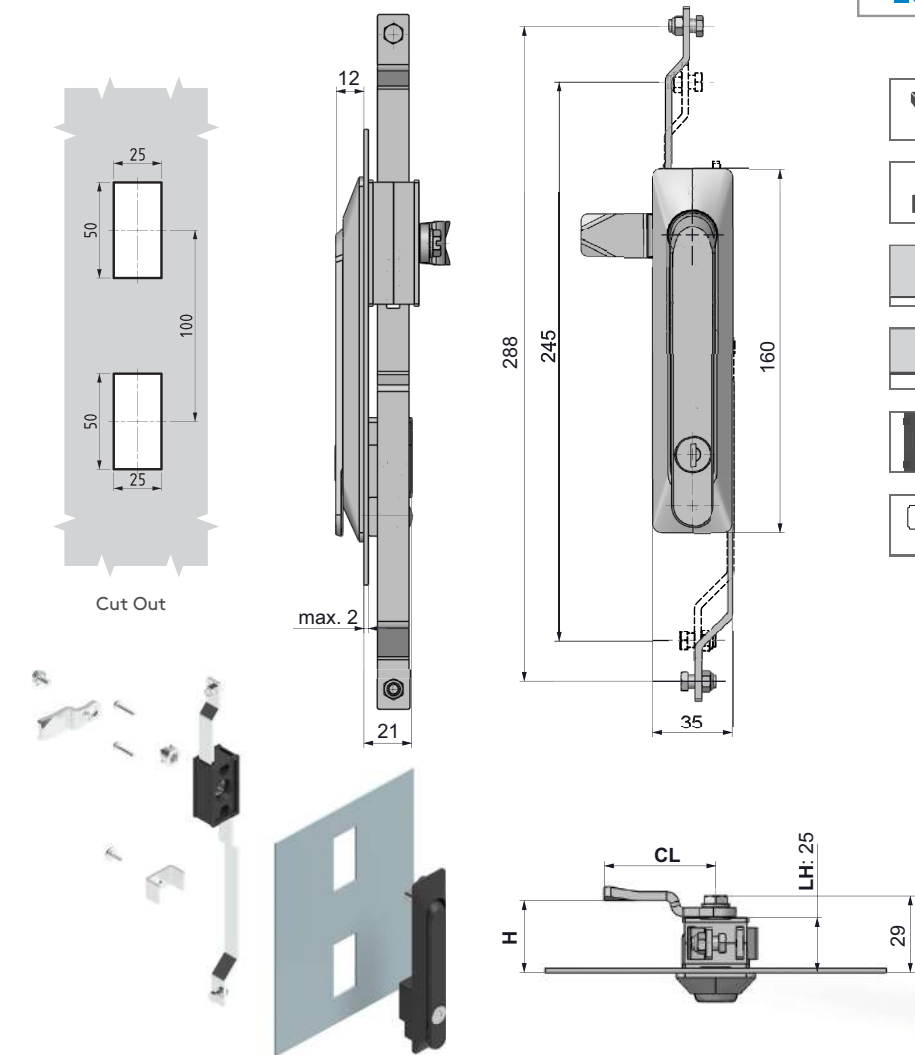
209 SWINGHANDLE GEAR BOX



- Handle is not spring loaded and slam action
- Key can be removed at unlocked position.

**MATERIAL**  
**BODY:** Zamak DIN-EN 1774-ZnAl4Cu1 or PA6 GFR 30  
**HANDLE:** Zamak DIN-EN 1774-ZnAl4Cu1 or PA6 GFR 30  
**MECHANISM:** PA6 GFR 30  
**CAM:** Steel  
**GASKET:** Polyurethane

For cams please check pages: 170 - 171  
For rods please check pages: 178 - 188



| CYLINDER TYPE |                                         | DD |
|---------------|-----------------------------------------|----|
|               | No Cylinder                             | 00 |
|               | Keyed alike (Stainless steel dust cap)  | 03 |
|               | Keyed differ (Stainless steel dust cap) | 32 |
|               | Master system                           | 04 |
|               | Euro key (5333)                         | 05 |
|               | CH751 (Stainless steel dust cap)        | 07 |
| DRIVER TYPE   |                                         | DD |
|               | 5 mm Double bit                         | 15 |
|               | 8 mm Square                             | 28 |
|               | 9 mm Triangular                         | 39 |

| MATERIAL | M | FINISH        | F |
|----------|---|---------------|---|
| Zamak    | 1 | Chrome plated | 1 |
|          |   | Black coated  | 2 |
| Plastic  | 2 | No finish     | 0 |

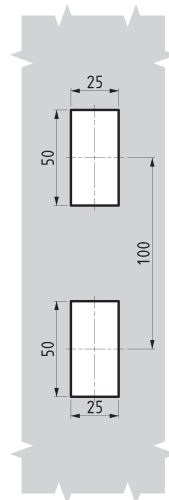
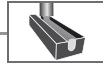
| Group Code | Handle | Body | Driver Cylinder | Cam | Padlock* |
|------------|--------|------|-----------------|-----|----------|
| 209        | M      | F    | M               | F   | DD       |
|            |        |      |                 |     | CC       |

\*: add "1" for padlock application  
(All in metal only is applied)

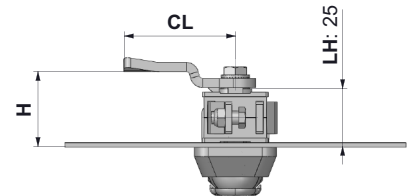
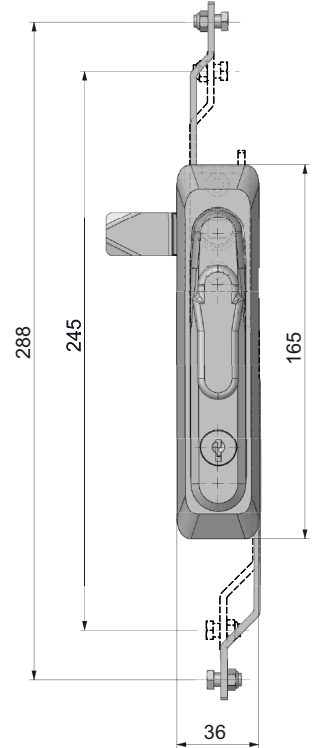
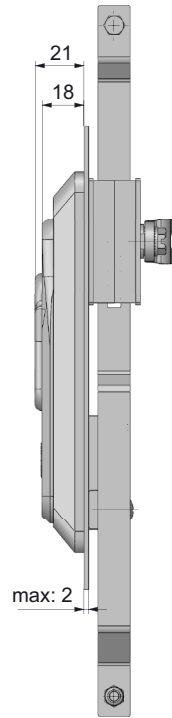
## ROD-LATCH SYSTEM

### SWINGHANDLE GEAR BOX

007



Cut Out



- Lower strength swing-handle that accepts cylindrical drivers only
- Spring-loaded, slam-action swinghandle
- Can use indoors
- Competitive price with polyamide gearbox

#### MATERIAL

BODY: Polyamide DIN-EN ISO 1043-1 PA6 GFR 30  
 HANDLE: PA6 GFR 30  
 MECHANISM: PA6 GFR 30  
 CAM: Steel  
 GASKET: Polyurethane

| CYLINDER TYPE                                                                       |                                         | DD |
|-------------------------------------------------------------------------------------|-----------------------------------------|----|
|  | Keyed alike (Stainless steel dust cap)  | 03 |
|                                                                                     | Keyed differ (Stainless steel dust cap) | 32 |
|                                                                                     | Master system                           | 04 |
|                                                                                     | Euro key (5333)                         | 05 |
|                                                                                     | CH751 (Stainless steel dust cap)        | 07 |
| DRIVER TYPE                                                                         |                                         | DD |
|  | 5 mm Double bit                         | 15 |
|                                                                                     | 8 mm Square                             | 28 |
|                                                                                     | 9 mm Triangular                         | 39 |



For cams please check pages: 170 - 171



For rods please check pages: 178 - 188



For keys please check pages: 189 - 191

| Group Code | Driver Cylinder | Cam |
|------------|-----------------|-----|
| 007        | DD              | CC  |

809

SWINGHANDLE GEAR BOX

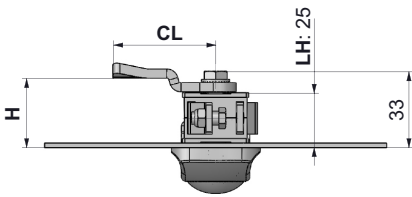
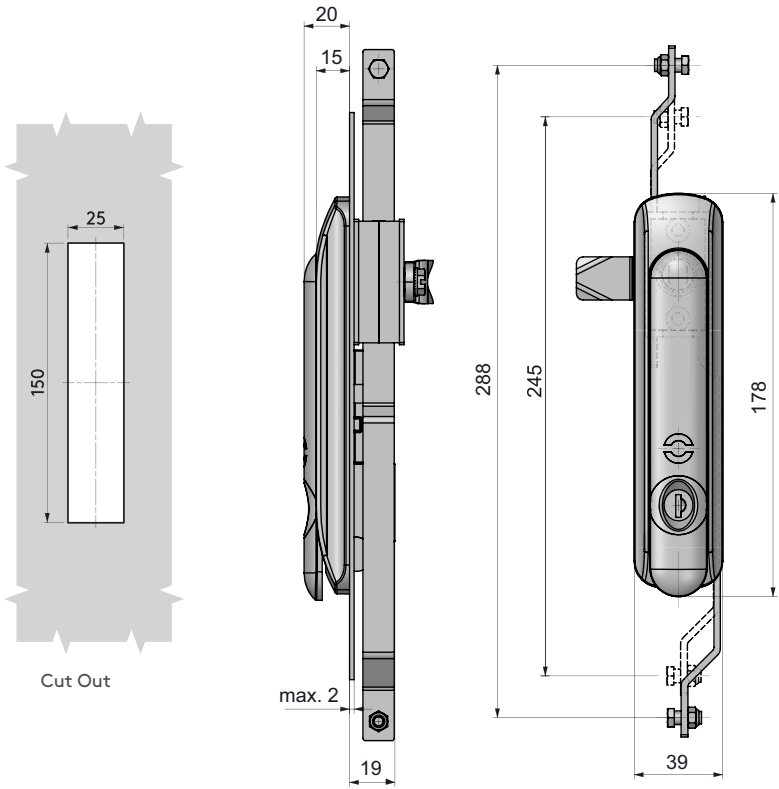
RoHS

L R



• Offers an economical solution

**MATERIAL**  
BODY Polyamide DIN-EN ISO 1043-1 PA6 GFR 30  
MECHANISM: Zamak DIN-EN 1774-ZnAl4Cu1  
HANDLE: Polyamide DIN-EN ISO 1043-1 PA6 GFR 30  
GASKET: Polyurethane



|  | CYLINDER TYPE                           |  | DD |
|-------------------------------------------------------------------------------------|-----------------------------------------|--|----|
|                                                                                     | Keyed alike (Stainless steel dust cap)  |  | 03 |
|                                                                                     | Keyed differ (Stainless steel dust cap) |  | 32 |
|                                                                                     | Master system                           |  | 04 |
|                                                                                     | Euro key (5333)                         |  | 05 |
|                                                                                     | CH751 (Stainless steel dust cap)        |  | 07 |

| Group Code | Handle |   | Body |   | Cylinder | Cam |
|------------|--------|---|------|---|----------|-----|
| 809        | 2      | 0 | 2    | 0 | DD       | CC  |

 For cams please check pages: 170 - 171

 For rods please check pages: 178 - 188





# ROD-LATCH SYSTEM

## THREE-POINT LOCK – WING KNOB

103

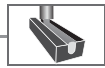


- Wing knob, T handle and L handle available
- Optional blind version
- Standard 25 mm x 50 mm cut outw

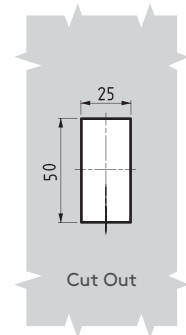
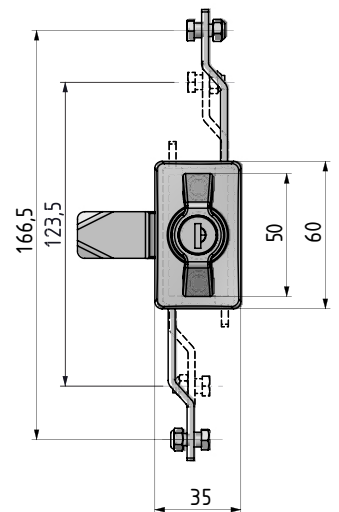
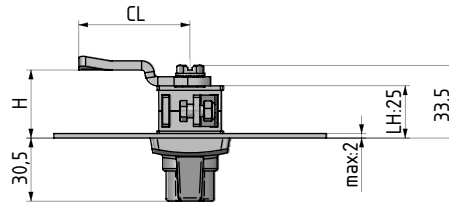
### MATERIAL

BODY: Zamak or PA6 GFR 30  
HANDLE: Zamak or PA6 GFR 30  
MECHANISM: Zamak DIN-EN 1774-ZnAl4Cu1  
CAM: Steel  
GASKET: Polyurethane

No Cylinder '00'



V: 2



| CYLINDER TYPE |                                         | DD |
|---------------|-----------------------------------------|----|
|               | No Cylinder                             | 00 |
|               | Keyed alike (Stainless steel dust cap)  | 03 |
|               | Keyed differ (Stainless steel dust cap) | 32 |
|               | Master system                           | 04 |
|               | Euro key (5333)                         | 05 |
|               | CH751 (Stainless steel dust cap)        | 07 |

| MATERIAL | M | FINISH        | F |
|----------|---|---------------|---|
| Zamak    | 1 | Chrome plated | 1 |
|          |   | Black coated  | 2 |
| Plastic  | 2 | No finish     | 0 |

| DOOR DIRECTION |     |
|----------------|-----|
| Right hand     | 001 |
| Left hand      | 002 |

| Group Code | Version | Handle | Body | Cylinder | Cam | Door Direction |
|------------|---------|--------|------|----------|-----|----------------|
| 103        | V       | M      | F    | M        | F   | DD             |



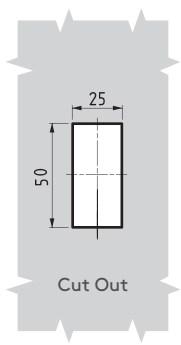
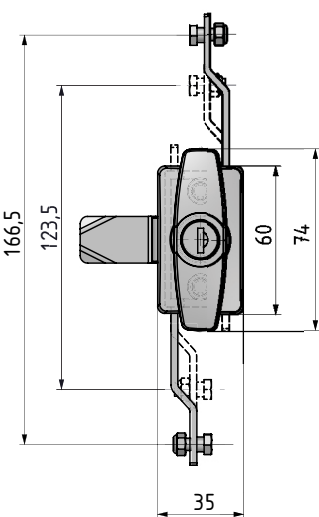
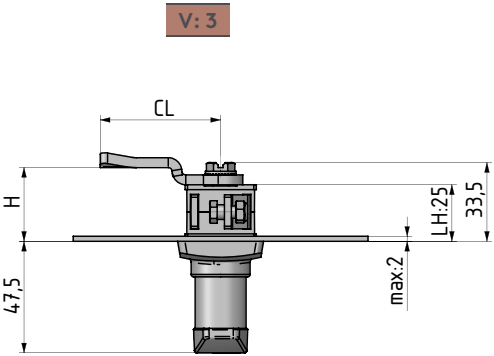
For cams please check pages: 170 - 171



For rods please check pages: 178 - 188

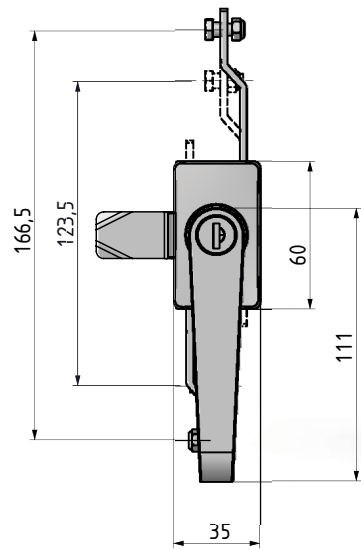
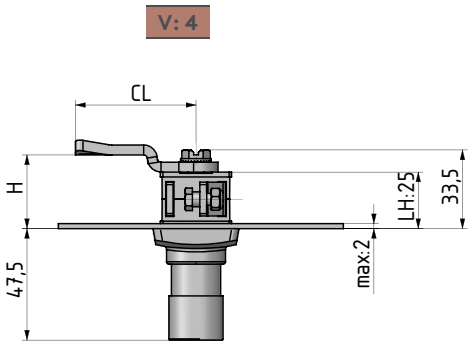
103

THREE-POINT LOCK – T HANDLE



103

THREE-POINT LOCK – L HANDLE



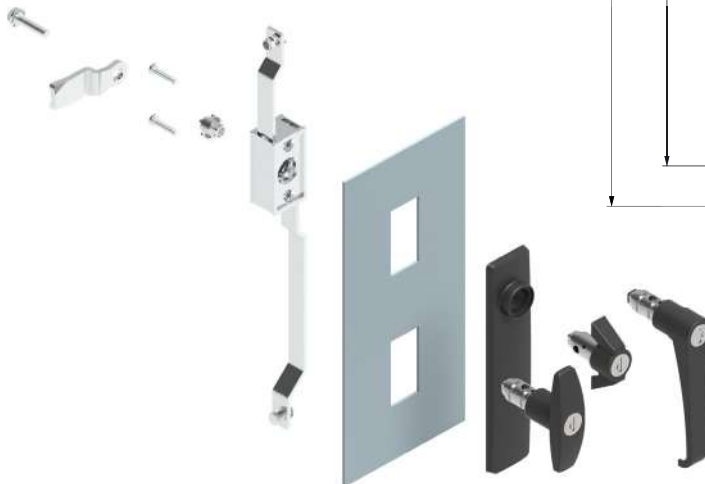
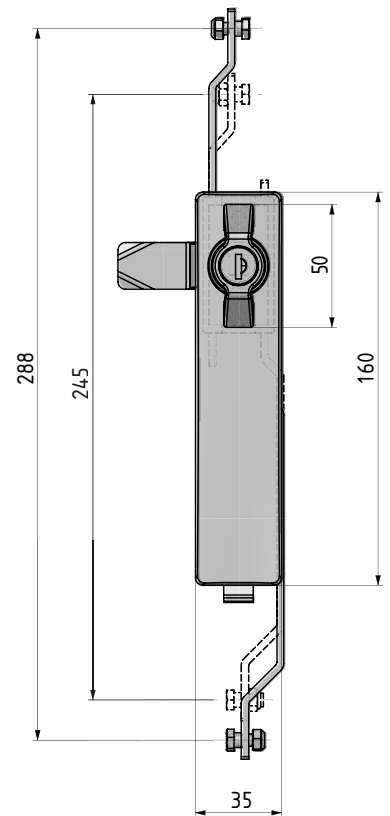
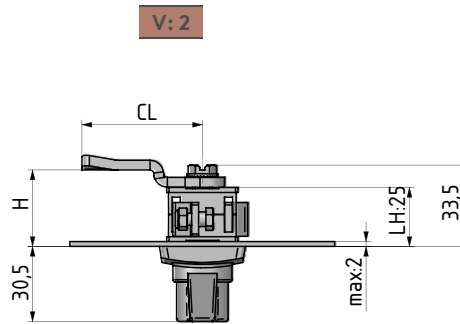
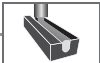
 For cams please check pages: 170 - 171  
 For rods please check pages: 178 - 188



# ROD-LATCH SYSTEM

## THREE-POINT LOCK – WING KNOB

203



- Clip fixing for easy assembly
- Wing knob, T handle and L handle available with three point locking
- Optional blind version
- For doors with standard swinghandle cut out

### MATERIAL

BODY: PA6 GFR 30  
HANDLE: Zamak or PA6 GFR 30  
MECHANISM: Zamak DIN-EN 1774-ZnAl4Cu1  
CAM: Steel  
GASKET: Polyurethane

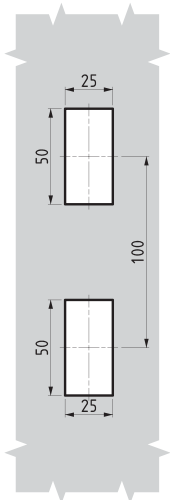
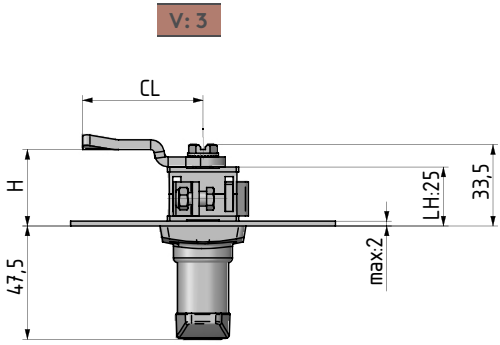
| CYLINDER TYPE |                                         | DD |
|---------------|-----------------------------------------|----|
|               | No Cylinder                             | 00 |
|               | Keyed alike (Stainless steel dust cap)  | 03 |
|               | Keyed differ (Stainless steel dust cap) | 32 |
|               | Master system                           | 04 |
|               | Euro key (5333)                         | 05 |
|               | CH751 (Stainless steel dust cap)        | 07 |

No Cylinder '00'

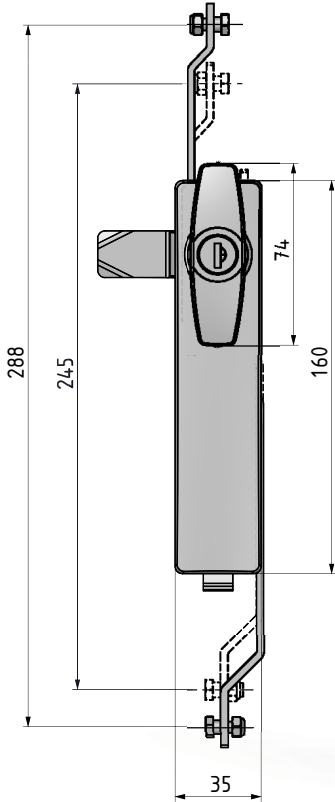
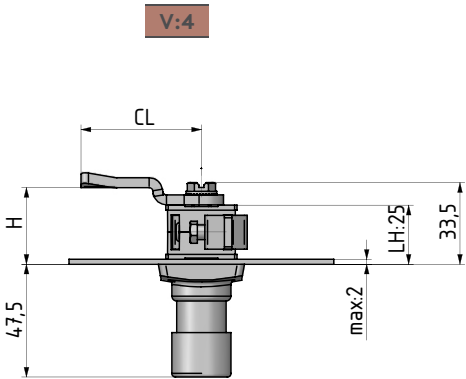


| MATERIAL | M | FINISH        | F | DOOR DIRECTION |     |
|----------|---|---------------|---|----------------|-----|
| Zamak    | 1 | Chrome plated | 1 | Right hand     | 001 |
|          |   | Black coated  | 2 | Left hand      | 002 |
| Plastic  | 2 | No finish     | 0 |                |     |

| Group Code | Version | Handle | Body  | Cylinder | Cam | Door Direction |
|------------|---------|--------|-------|----------|-----|----------------|
| 203        | V       | M      | F 2 0 | DD       | CC  |                |

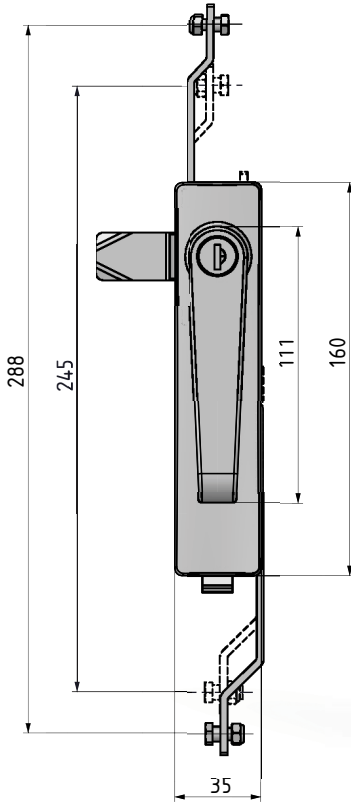


Cut Out



203

THREE-POINT LOCK –  
T HANDLE



203

THREE POINT LOCK –  
L HANDLE



# ROD-LATCH SYSTEM

## THREE-POINT LOCK

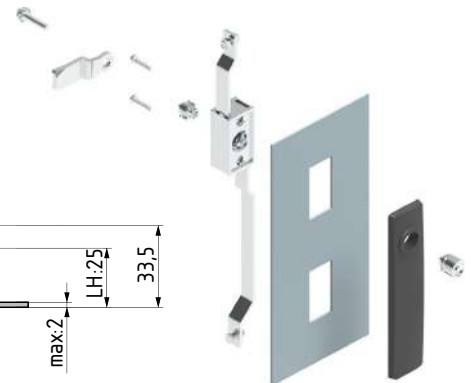
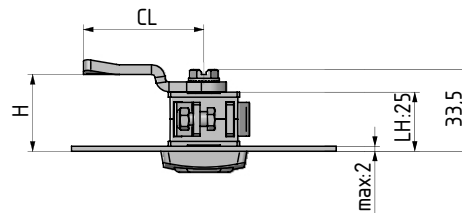
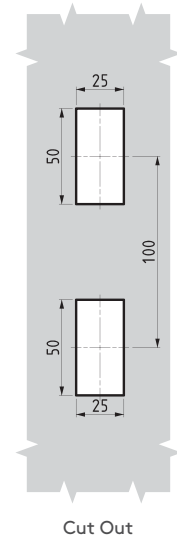
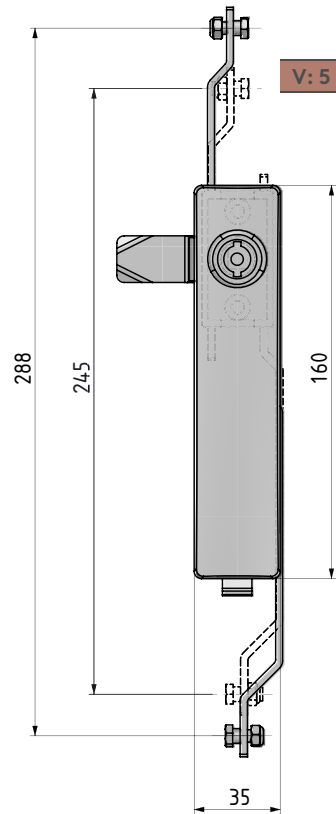
203



- Clip fixing for easy assembly
- Integral gear-box for three- point locking

### MATERIAL

BODY PA6 GFR 30  
MECHANISM: Zamak DIN-EN 1774-ZnAl4Cu1  
CAM: Steel  
GASKET: Polyurethane



### DRIVERS

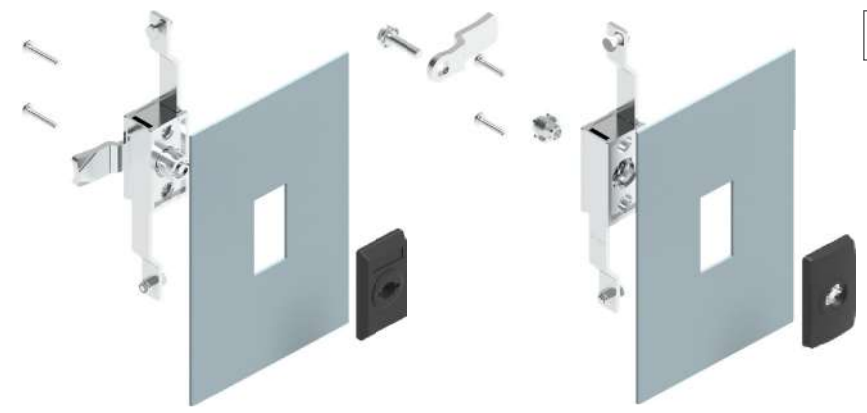
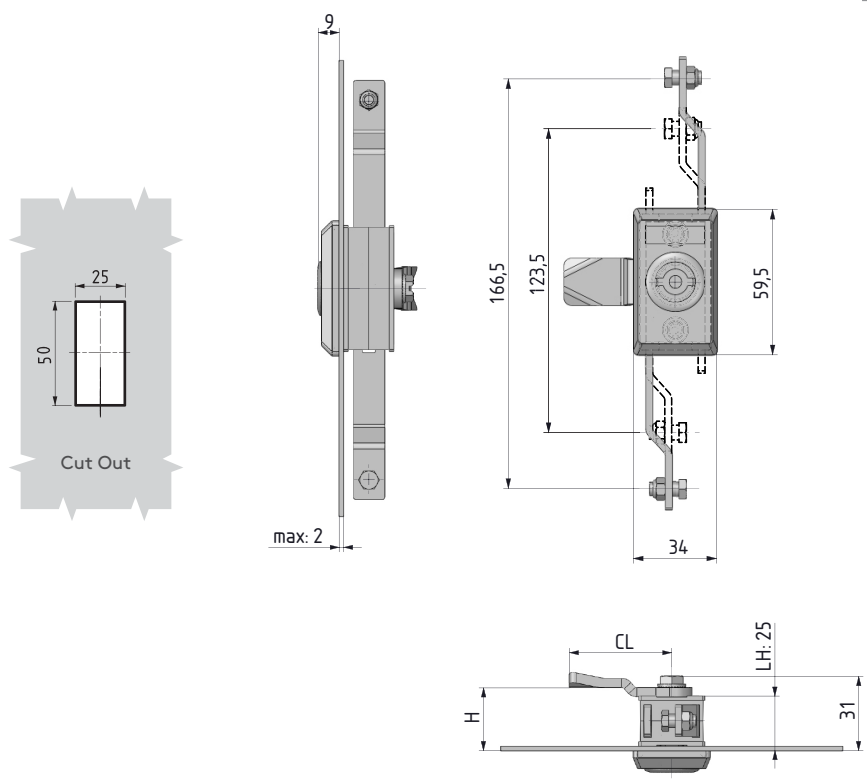
| 5 mm Double bit                                                                     | 8 mm Square                                                                         | 9 mm Triangular                                                                      |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
|  |  |  |
| 15                                                                                  | 28                                                                                  | 39                                                                                   |

### DOOR DIRECTION

|            |                                                                                           |
|------------|-------------------------------------------------------------------------------------------|
| Right hand | 001  |
| Left hand  | 002  |

-  For cams please check pages: 170 - 171
-  For rods please check pages: 178 - 188
-  For keys please check pages: 189 - 191

| Group Code | Version | Driver | Cam | Door Direction |
|------------|---------|--------|-----|----------------|
| 203        | 5       | DD     | CC  |                |



| DRIVERS                                                                             |                                                                                     |                                                                                     |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 5 mm Double bit                                                                     | 8 mm Square                                                                         | 9 mm Triangular                                                                     |
|  |  |  |
| 15                                                                                  | 28                                                                                  | 39                                                                                  |

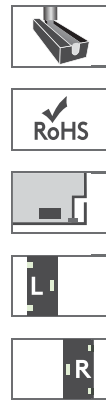
| DOOR DIRECTION |                                                                                         |
|----------------|-----------------------------------------------------------------------------------------|
| Right hand     | 001  |
| Left hand      | 002  |

| Group Code | Driver | Cam | Door Direction |
|------------|--------|-----|----------------|
| 003        | DD     | CC  |                |

| Group Code | Version | Driver | Cam | Door Direction |
|------------|---------|--------|-----|----------------|
| 103        | 5       | DD     | CC  |                |

003

THREE-POINT LOCK



103

THREE-POINT LOCK

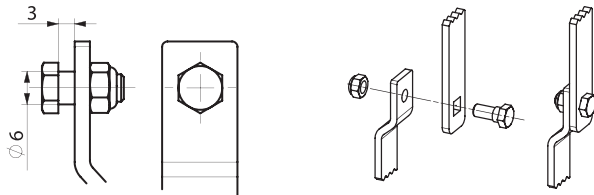


For cams please check pages: 170 - 171  
For rods please check pages: 178 - 188  
For keys please check pages: 189 - 191

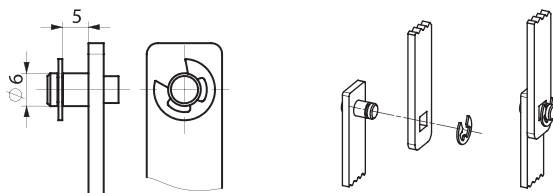


# ROD-LATCH SYSTEM

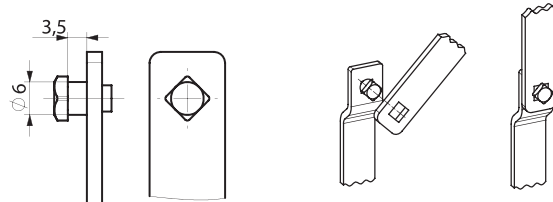
**M : 1**      Stepped bolt



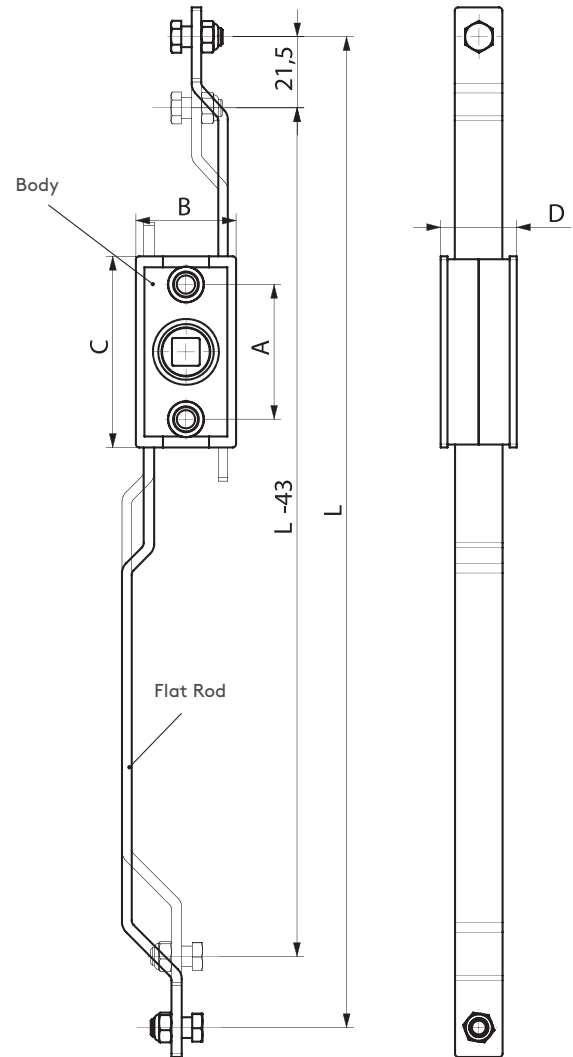
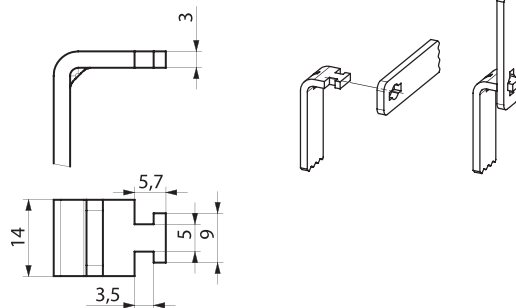
**M : 2**      With snap ring



**M : 3**      Square riveted



**M : 4**      'T'- tipped



| L mm |
|------|
| 217  |
| 278  |
| 288  |
| 347  |
| 166  |
| 125  |



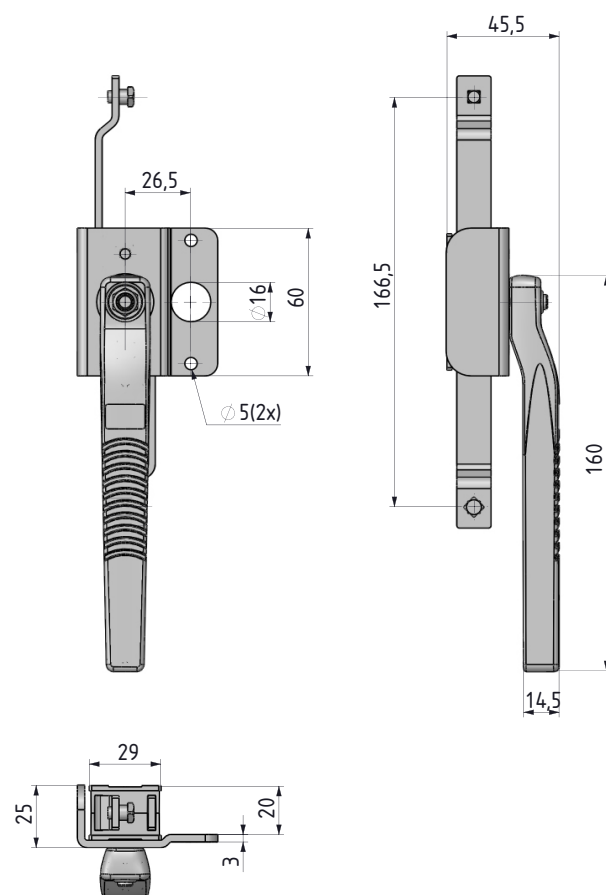


| Group Code | Version | Length | Flat Rod Mounting |
|------------|---------|--------|-------------------|
| 4001       | V       | L      | M                 |

| V | MECHANISM            |                 | A  | B  | C  | D  |
|---|----------------------|-----------------|----|----|----|----|
|   | Body                 | Flat rod        |    |    |    |    |
| 1 | Zamak                | Steel           | 39 | 29 | 55 | 22 |
| 2 | Plastic              | Steel           | 39 | 29 | 55 | 22 |
| 3 | Zamak (with Stopper) | Steel           | 39 | 29 | 55 | 22 |
| 4 | Stainless steel      | Stainless steel | 39 | 29 | 55 | 22 |
| 5 | Zamak (D: 19mm)      | Steel           | 39 | 27 | 55 | 19 |
| 6 | Zamak (A: 38 mm)     | Steel           | 39 | 29 | 55 | 22 |

**INTERNAL LOCKING SYSTEM**

**03030**

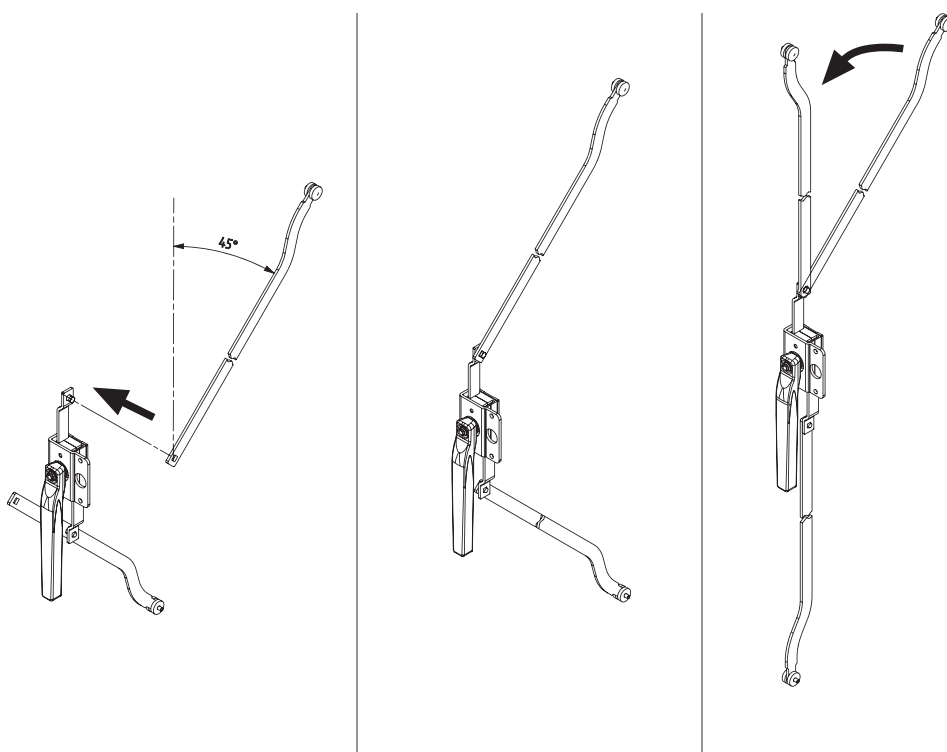


- For double-door cabinets to lock single door from inside

**MATERIAL**

HANDLE: Zamak DIN-EN 1774-ZnAl4Cu1

MECHANISM: Zamak DIN-EN 1774-ZnAl4Cu1



For cams please check pages: 170 - 171

For rods please check pages: 178 - 188





90-92



93



94



95



96



97



98



NEW

99



100-105



106



109



110



111



112-113



114



115



# HEAVY-DUTY LOCKS

88-115



**mesan**  
ESSENTA COMPONENTS

## HEAVY-DUTY LOCKS

### PUSH-TO-CLOSE LOCK

016



RoHS



V:1

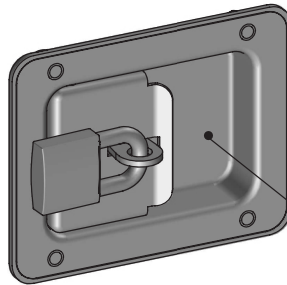
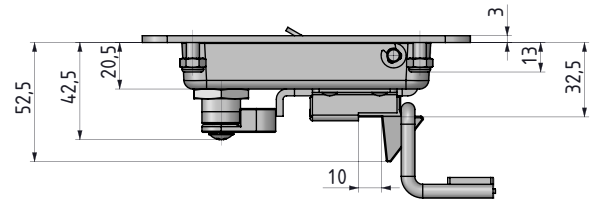
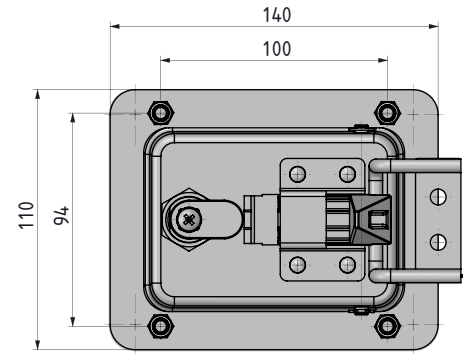
- Stainless steel version: page 454
- Slam-shut operation
- Brass cam
- Striking plate required
- Can open from inside by moving cam

#### MATERIAL

BODY: Steel  
HANDLE: Steel  
CAM: Brass  
SCREW: Stainless steel  
GASKET: Polyurethane

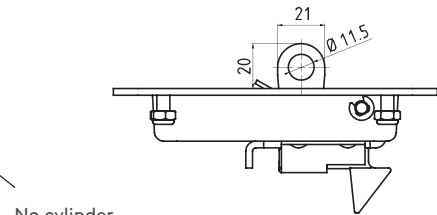
#### FINISH

Black Coated

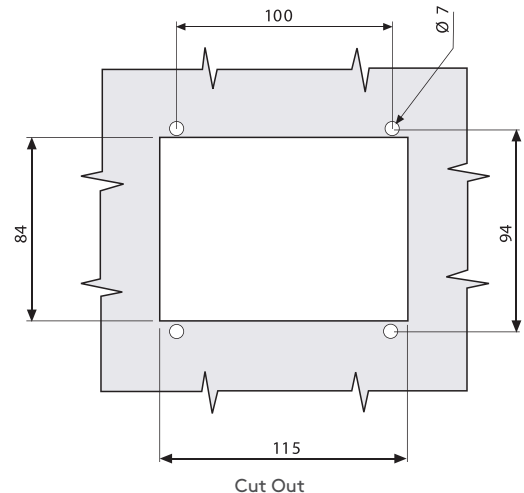
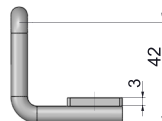
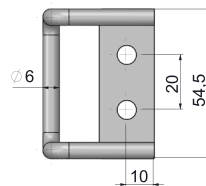


1

Padlock application



No cylinder



Cut Out

### CAM STRIKING PLATE

016 A71



- Striking plate
- Custom sizes available

#### MATERIAL

Steel

#### FINISH

Zinc plated

#### SPECIFICATIONS

|                                         | DD |
|-----------------------------------------|----|
| No cylinder                             | 00 |
| Stainless steel dust cap (Keyed alike)  | 03 |
| Stainless steel dust cap (Keyed differ) | 32 |

| MATERIAL | M | FINISH       | F |
|----------|---|--------------|---|
| Steel    | 6 | Black Coated | 2 |

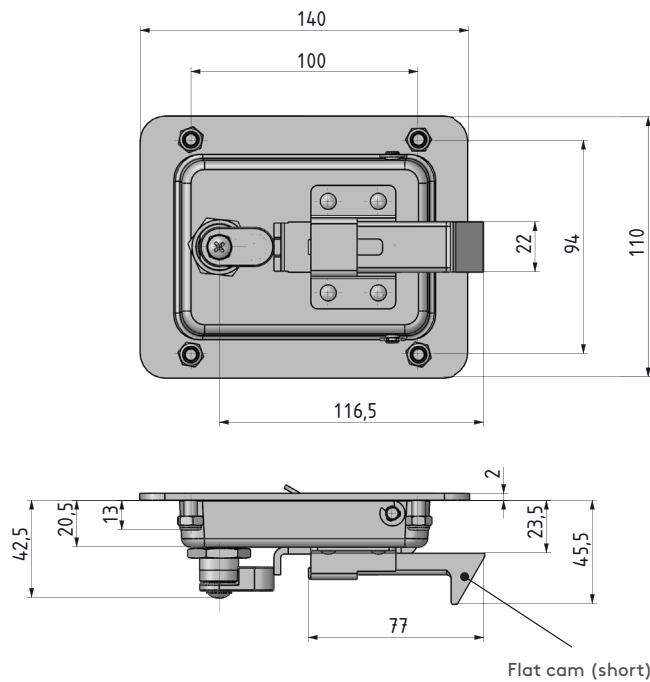
| Group Code | Material | Finish | Cylinder | Version | Padlock * |
|------------|----------|--------|----------|---------|-----------|
| 016        | 6        | 2      | DD       | V       |           |

\*: add "1" for padlock application

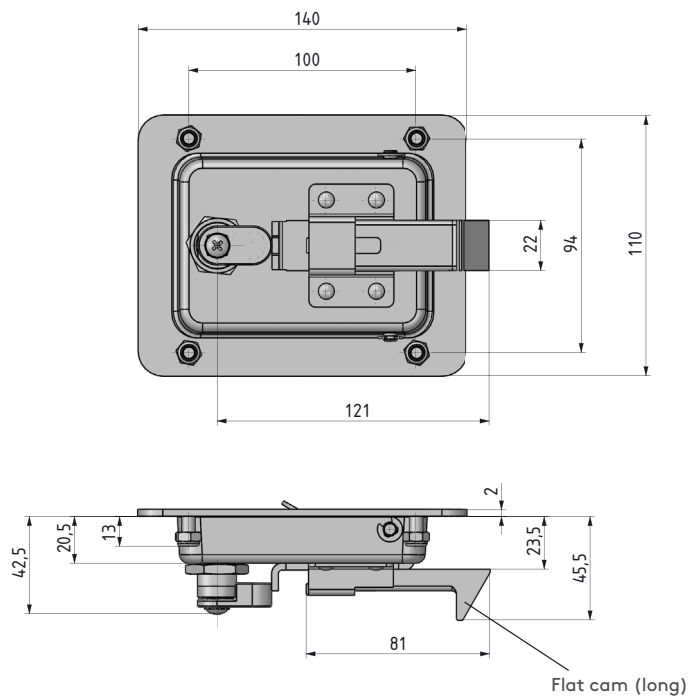
016

PUSH-TO-CLOSE LOCK

V: 2



V: 3



- Two types of die-cast zinc cams
- No locking device needed
- Can open from inside by moving cam

## MATERIAL

|         |                               |
|---------|-------------------------------|
| BODY:   | Steel                         |
| HANDLE: | Steel                         |
| CAM:    | Zamak DIN-EN<br>1774-ZnAl4Cu1 |
| SEAL:   | Polyurethane                  |

## FINISH

Black coated



## HEAVY-DUTY LOCKS

### PUSH-TO-CLOSE LOCK

016



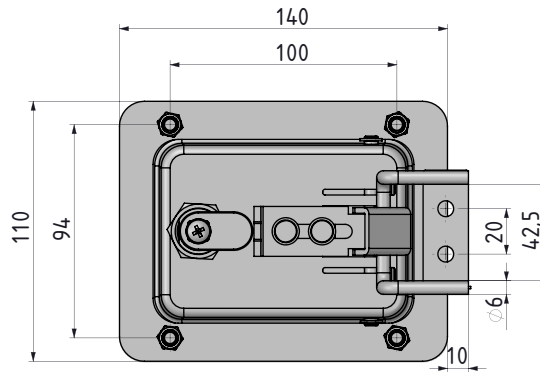
- Slam-shut operation with steel cam
- Can open from inside by moving cam

#### MATERIAL

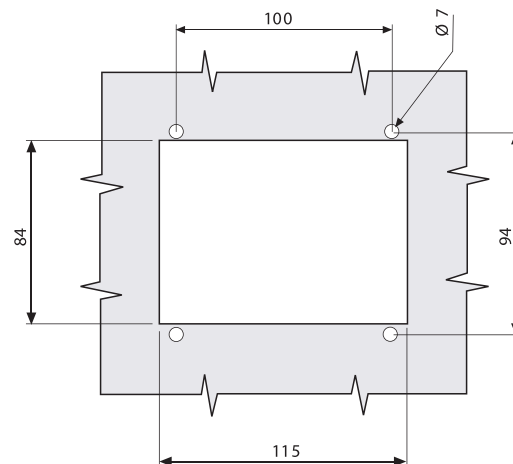
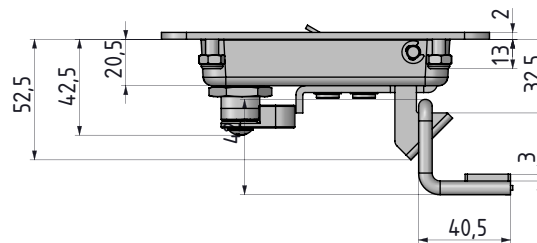
BODY: Steel  
HANDLE: Steel  
CAM: Steel  
SCREW: Stainless steel  
GASKET: Polyurethane

#### FINISH

Black Coated



V: 4



Cut Out

### CAM STRIKING PLATE

016 A71



- Striking plate
- Custom sizes available

#### MATERIAL

Steel

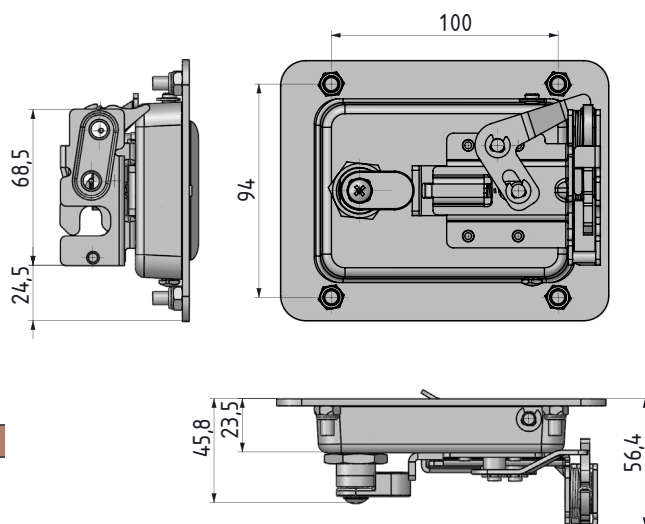
#### FINISH

Zinc plated

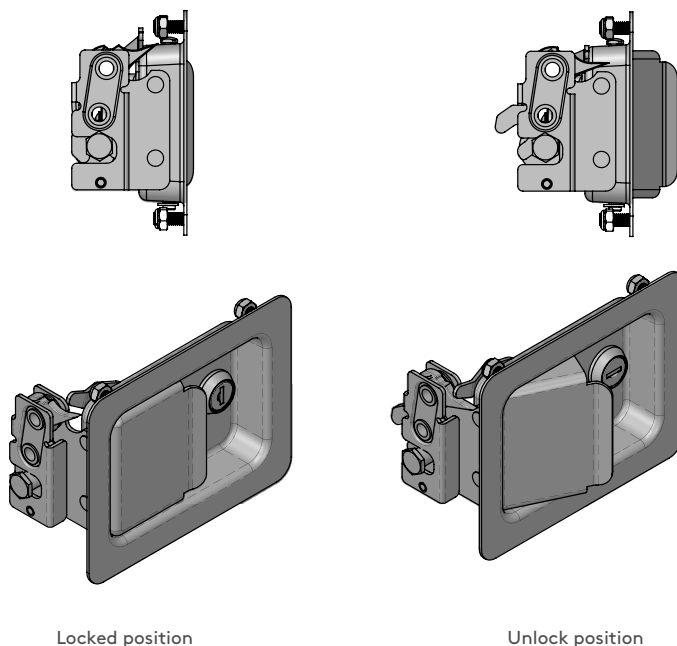
| SPECIFICATIONS                          |  | D D |
|-----------------------------------------|--|-----|
| No cylinder                             |  | 00  |
| Stainless steel dust cap (Keyed alike)  |  | 03  |
| Stainless steel dust cap (Keyed differ) |  | 32  |

| MATERIAL | M | FINISH       | F |
|----------|---|--------------|---|
| Steel    | 6 | Black Coated | 2 |

| Group Code | Material | Finish | Cylinder | Version |
|------------|----------|--------|----------|---------|
| 016        | 6        | 2      | DD       | 4       |



V: 5



Locked position

Unlock position

016

PUSH-TO-CLOSE LOCK



- Padlatch with integrated Rotary Latch
- Slam-shut operation
- Striker bolt is required
- Can open from inside by moving cable

## MATERIAL

BODY: Steel  
HANDLE: Steel  
CAM: Zamak DIN-EN 1774-ZnAl4Cu1  
SEAL: Polyurethane  
ROTARY LATCH: Steel

SB.1

STRIKER BOLT (MINI)



## MATERIAL

BODY: Steel

## FINISH

Zinc Plated

| SPECIFICATIONS                          |  | DD |
|-----------------------------------------|--|----|
| No cylinder                             |  | 00 |
| Stainless steel dust cap (Keyed alike)  |  | 03 |
| Stainless steel dust cap (Keyed differ) |  | 32 |

| MATERIAL | M | FINISH       | F |
|----------|---|--------------|---|
| Steel    | 6 | Black Coated | 2 |

| Group Code | Material | Finish | Cylinder | Version | Padlock * |
|------------|----------|--------|----------|---------|-----------|
| 016        | 6        | 2      | DD       | 5       |           |

\*: add "1" for padlock application

 For Cables & Cable Accessories page: 158- 159



# HEAVY-DUTY LOCKS

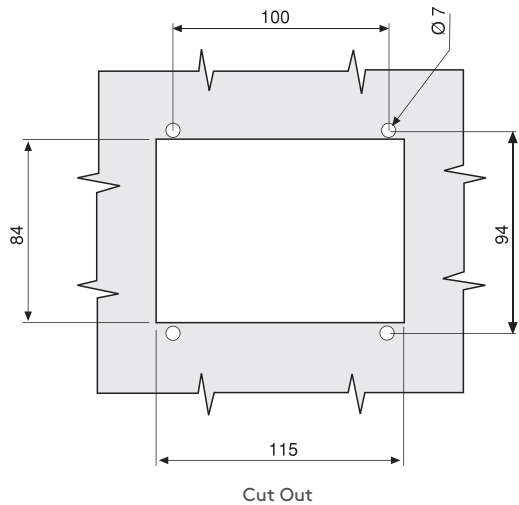
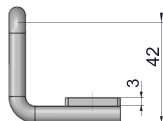
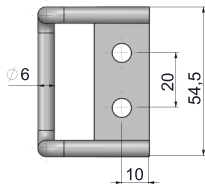
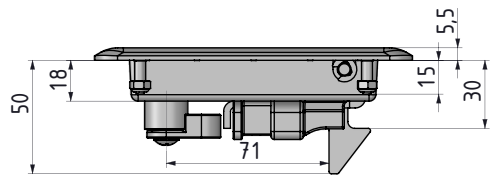
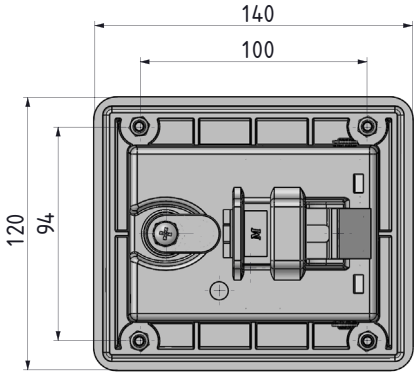
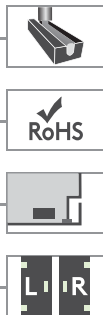
## PUSH-TO-CLOSE LOCK

016



- Slam-shut operation
- Brass cam
- Striking plate required
- Can open from inside by moving cam

**MATERIAL**  
BODY: Polyamid DIN-EN ISO 1043-1 PA6 GFR 30  
CAM: Brass or Delrin



## CAM STRIKING PLATE

016 A71



- Striking plate
- Custom sizes available

**MATERIAL**  
Steel

**FINISH**  
Zinc plated

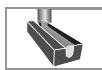
| CYLINDER TYPE                           |  | D D |
|-----------------------------------------|--|-----|
| Stainless steel dust cap (Keyed alike)  |  | 03  |
| Stainless steel dust cap (Keyed differ) |  | 32  |

| CAM     | C C |
|---------|-----|
| Brass   | 01  |
| Plastic | 02  |

| Group Code | Material | Finish | Cylinder | Cam |
|------------|----------|--------|----------|-----|
| 016        | 2        | 0      | DD       | CC  |

216

PUSH-TO-CLOSE LOCK



- Slam-shut operation
- Brass cam
- Striking plate required
- Can open from inside by moving cam

**MATERIAL**  
**BODY:** Steel or Polyamide DIN-EN ISO 1043-1 PA6 GFR 30  
**CAM:** Brass or Delrin

016 A71

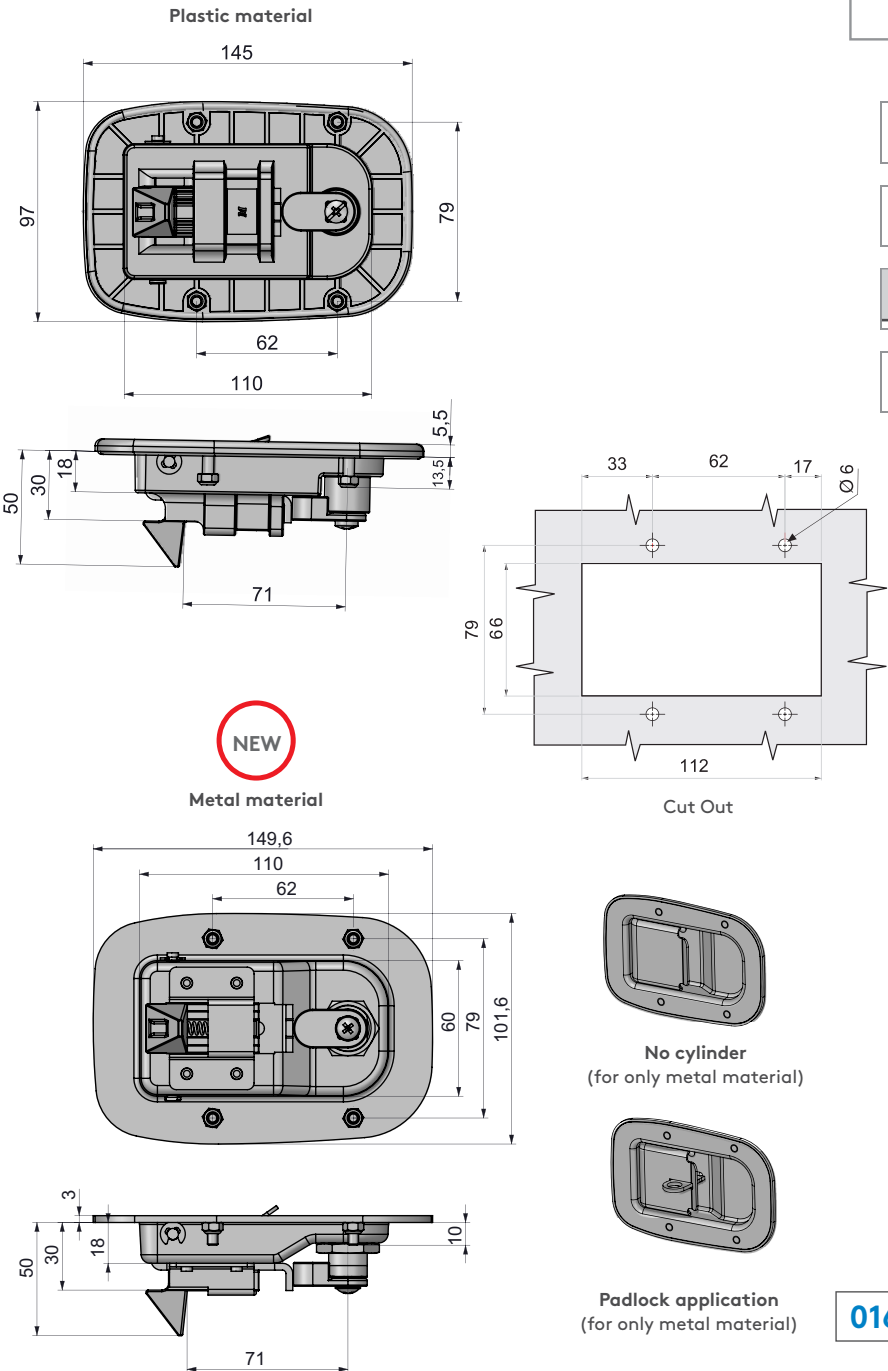
CAM STRIKING PLATE



- Striking plate
- Custom sizes available

**MATERIAL**  
Steel

**FINISH**  
Zinc plated



| MATERIAL | M | FINISH       | F |
|----------|---|--------------|---|
| Steel    | 6 | Black coated | 2 |
| Plastic  | 2 | No finish    | 0 |

| CYLINDER TYPE                           |  | DD |
|-----------------------------------------|--|----|
| No cylinder                             |  | 00 |
| Stainless steel dust cap (Keyed alike)  |  | 03 |
| Stainless steel dust cap (Keyed differ) |  | 32 |

| CAM     | CC |
|---------|----|
| Brass   | 01 |
| Plastic | 02 |

| Group Code | Material | Finish | Cylinder | Cam | Asma Kilit * |
|------------|----------|--------|----------|-----|--------------|
| 216        | M        | F      | DD       | CC  |              |

\*: add "1" for padlock application



# HEAVY-DUTY LOCKS

## PUSH-TO-CLOSE LOCK

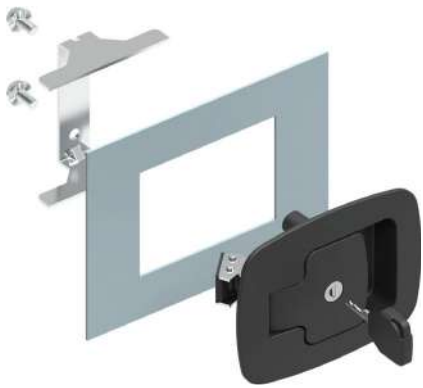
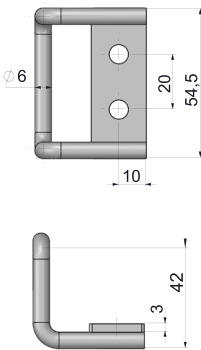
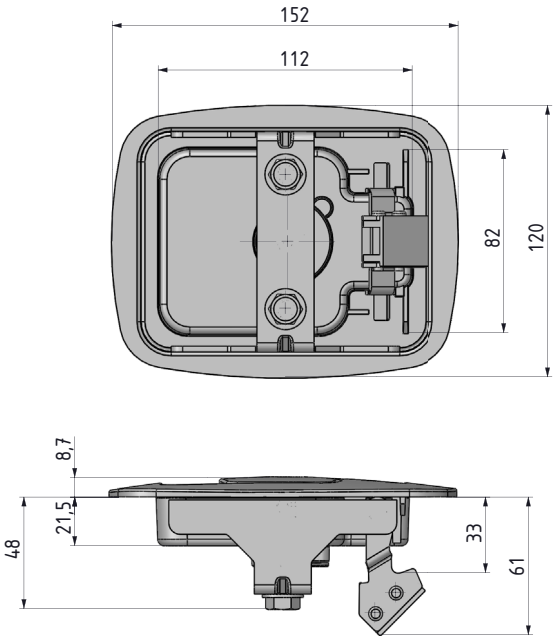
316



- IP 54
- RoHS
- L R

- Slam shut operation. Steel cam.
- Striking plate is needed
- Lock can be opened from inside by moving cam. .

**MATERIAL**  
BODY: Polyamid DIN-EN ISO 1043-1 PA6 GFR 30  
CAM: Steel



## CAM STRIKING PLATE

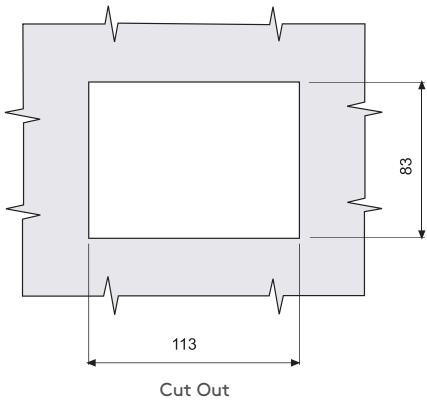
016 A71



- Striking plate
- Custom sizes available

**MATERIAL**  
Steel

**FINISH**  
Zinc plated



| SPECIFICATIONS                         |  |  |  | D D |
|----------------------------------------|--|--|--|-----|
| Stainless steel dust cap (Keyed alike) |  |  |  | 03  |

| Group Code | Material | Finish | Cylinder | Cam |
|------------|----------|--------|----------|-----|
| 316        | 2        | 0      | 03       | 01  |

116

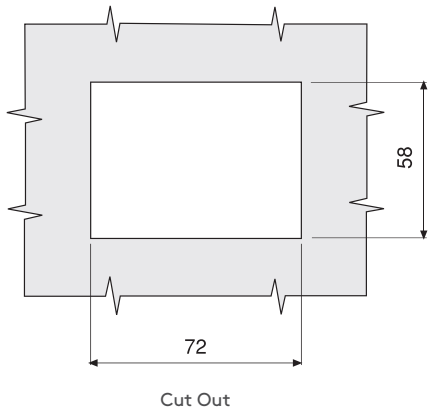
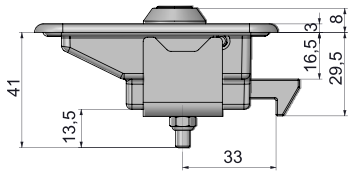
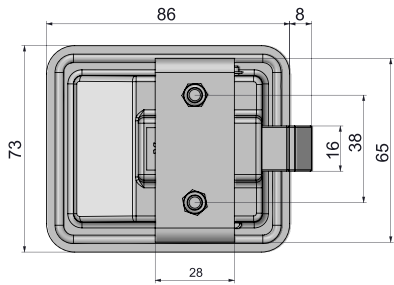
MINI PUSH-TO-CLOSE LOCK



- Delrin cams
- No locking device needed
- Can open from inside by moving cam

MATERIAL

BODY: Polyamid DIN-EN ISO 1043-1 PA6 GFR 30  
HANDLE: Zamak DIN-EN 1774-ZnAl4Cu1  
CAM: Delrin  
MOUNTING BRACKET: Steel



| SPECIFICATIONS |  | DD |
|----------------|--|----|
| No cylinder    |  | 00 |
| Keyed alike    |  | 01 |

| Group Code | Cylinder |
|------------|----------|
| 116        | DD       |

## T HANDLE HEAVY-DUTY LOCK

214



- Advanced sealing with compression
- Adjustable grip is possible
- Easy fixing with roller cam
- with/without padlock options

## MATERIAL

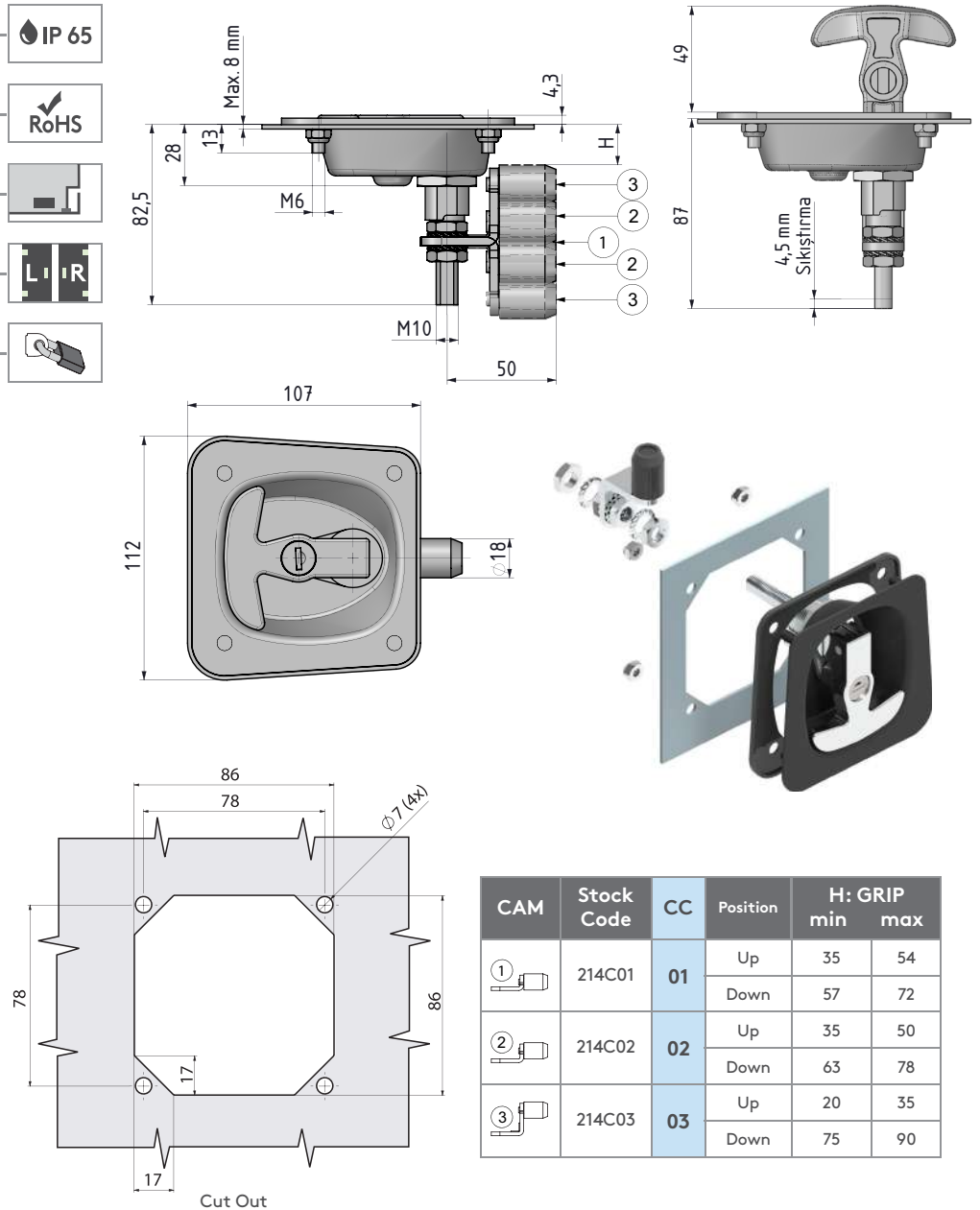
BODY: Steel  
HANDLE: Zamak DIN-EN 1774-ZnAl4Cu1  
CAM: Steel  
SCREW: Stainless steel  
SEAL: Polyurethane

## FINISH

BODY: Black coated  
HANDLE: Chrome or black coated



## Padlock application



| CAM                                                                                   | Stock Code | CC | Position | H: GRIP |     |
|---------------------------------------------------------------------------------------|------------|----|----------|---------|-----|
|                                                                                       |            |    |          | min     | max |
|  | 214C01     | 01 | Up       | 35      | 54  |
|                                                                                       |            |    | Down     | 57      | 72  |
|  | 214C02     | 02 | Up       | 35      | 50  |
|                                                                                       |            |    | Down     | 63      | 78  |
|  | 214C03     | 03 | Up       | 20      | 35  |
|                                                                                       |            |    | Down     | 75      | 90  |

| SPECIFICATIONS                          | D D |
|-----------------------------------------|-----|
| No cylinder                             | 00  |
| Stainless steel dust cap (Keyed alike)  | 03  |
| Stainless steel dust cap (Keyed differ) | 32  |
| Euro key (5333)                         | 05  |
| CH751 (Stainless steel dust cap)        | 07  |

| FINISH        | F |
|---------------|---|
| Chrome plated | 1 |
| Black coated  | 2 |

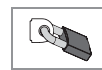
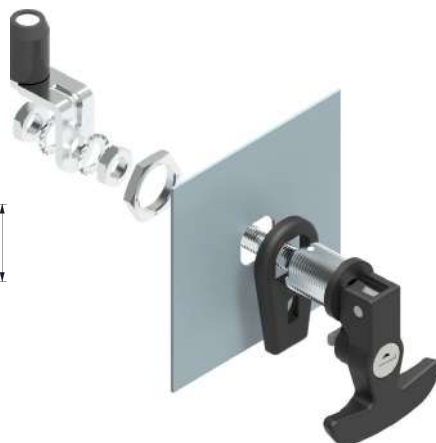
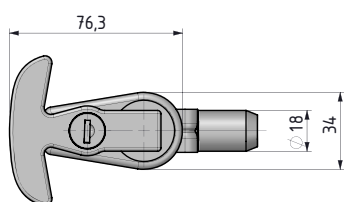
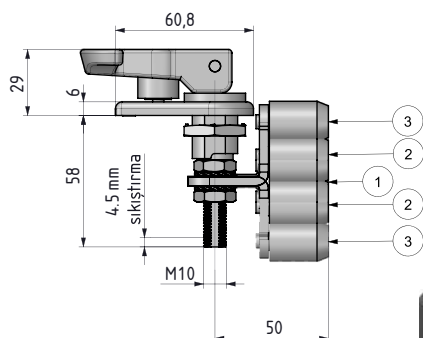
| Group Code | Handle | Cylinder | Cam | Padlock |
|------------|--------|----------|-----|---------|
| 214        | 1      | F        | DD  | CC      |

\*: add "1" for padlock application



214

T HANDLE HEAVY-DUTY LOCK



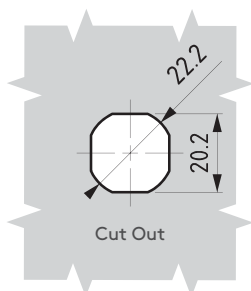
- Advanced sealing with compression
- Adjustable grip is possible
- Easy fixing with roller cam
- with/without padlock options

## MATERIAL

HOUSING: Zamak DIN-EN 1774-ZnAl4Cu1  
HANDLE: Zamak DIN-EN 1774-ZnAl4Cu1  
CAM: Steel  
SEAL: Polyurethane

## FINISH

BODY: Black coated  
HANDLE: Chrome or black coated



| CAM | Stock Code | CC | Position | H: GRIP min | H: GRIP max |
|-----|------------|----|----------|-------------|-------------|
| ①   | 214C01     | 01 | Up       | 20          | 35          |
|     |            |    | Down     | 72          | 87          |
| ②   | 214C02     | 02 | Up       | 35          | 50          |
|     |            |    | Down     | 57          | 72          |
| ③   | 214C03     | 03 | Up       | 38,5        | 54          |
|     |            |    | Down     | 54          | 69          |

| SPECIFICATIONS                          |  | DD |
|-----------------------------------------|--|----|
| No cylinder                             |  | 00 |
| Stainless steel dust cap (Keyed alike)  |  | 03 |
| Stainless steel dust cap (Keyed differ) |  | 32 |
| Euro key (5333)                         |  | 05 |
| CH751 (Stainless steel dust cap)        |  | 07 |

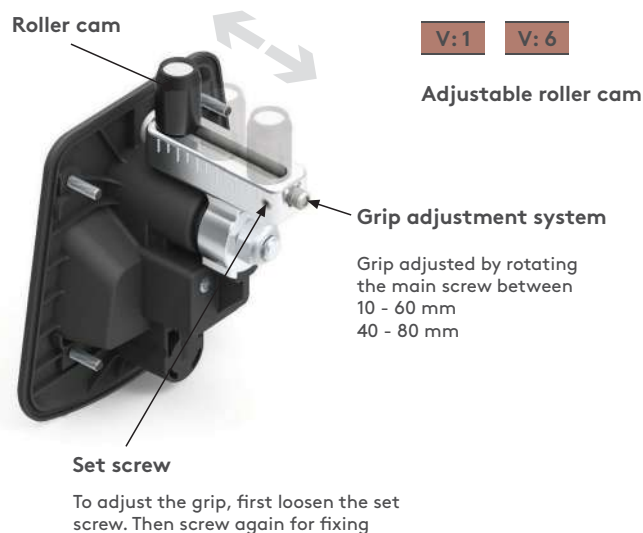
| FINISH        | F |
|---------------|---|
| Chrome plated | 1 |
| Black coated  | 2 |

| Group Code | Version | Handle | Housing | Cylinder | Cam | Padlock* |
|------------|---------|--------|---------|----------|-----|----------|
| 214        | 2       | 1      | F       | 1        | F   | DD CC    |

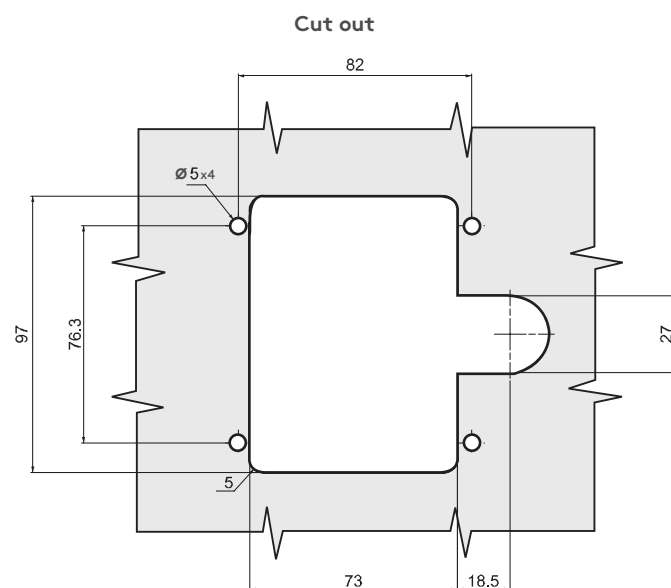
\*: add "1" for padlock application

014

## VERSIONS



## GENERAL FEATURES



014

## T HANDLE HEAVY-DUTY LOCK

IP 65



RoHS



- Single-point locking
- 10 - 60 or 40 - 80 mm grip range
- Easy fixing with roller cam
- Provides sealing with compression property
- Option to use with or without padlock
- Use rivets or bolts for fixing
- Can be supplied without cylinder

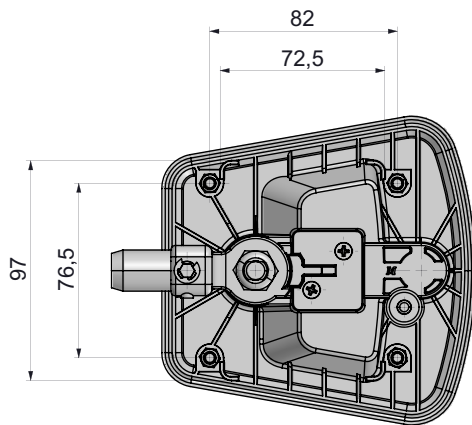
### MATERIAL

**BODY:** Polyamid DIN-EN ISO 1043-1PA6 GFR 30  
**HANDLE:** Zamak DIN-EN 1774-ZnAl4Cu1

### FINISH

**HANDLE:** Chrome or black coated

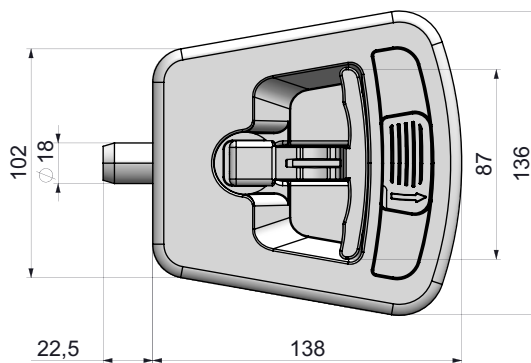
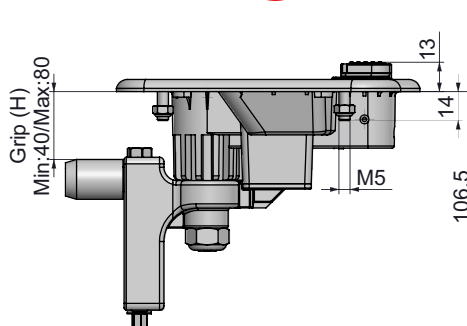
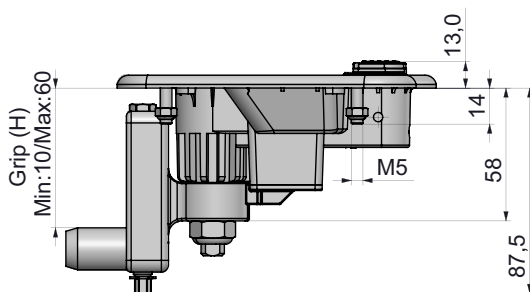
Adjustable roller cam



V:1

V:6

NEW



| SPECIFICATIONS                          | D D | FINISH        | F | OPTION | O |
|-----------------------------------------|-----|---------------|---|--------|---|
| Stainless steel dust cap (Keyed alike)  | 03  | Chrome Plated | 1 | Hole   | 0 |
| Stainless steel dust cap (Keyed differ) | 32  | Black Coated  | 2 | Stud   | 1 |
| CH751 ( Stainless steel dust cap )      | 07  |               |   |        |   |

| Group Code | Version | Handle | Cylinder | Option |
|------------|---------|--------|----------|--------|
| 014        | V       | 1      | F        | DD     |

## HEAVY-DUTY LOCKS

### T HANDLE HEAVY-DUTY LOCK

014



- Fixed grip
- Single-point locking
- Easy fixing with roller cam
- Provides sealing with compression property
- Option to use with or without padlock
- Use rivets or bolts for fixing
- Can be supplied without cylinder

#### MATERIAL

BODY: Polyamid DIN-EN ISO 1043-1 PA6 GFR 30  
HANDLE: Zamak DIN-EN 1774-ZnAl4Cu1

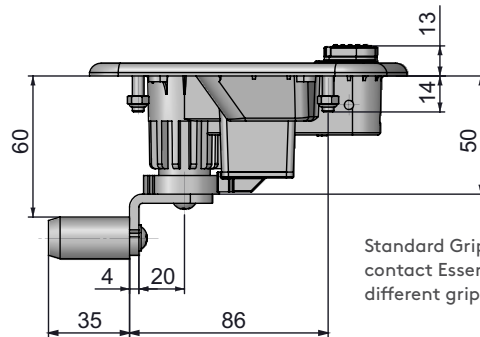
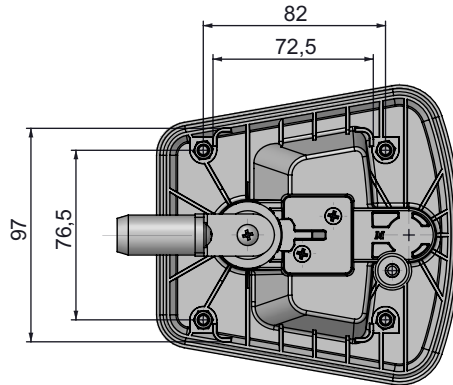
#### FINISH

HANDLE: Chrome or black coated

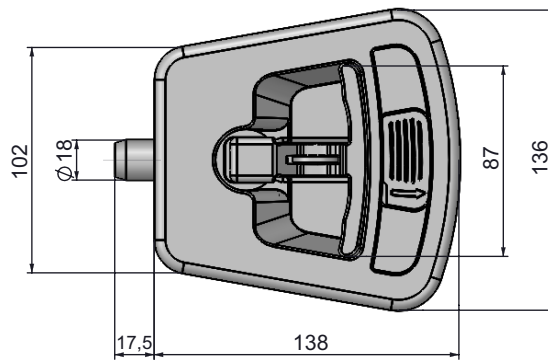


V: 2

Fixed cam



Standard Grip (H) is 60 mm;  
contact Essentra Components for  
different grip ranges

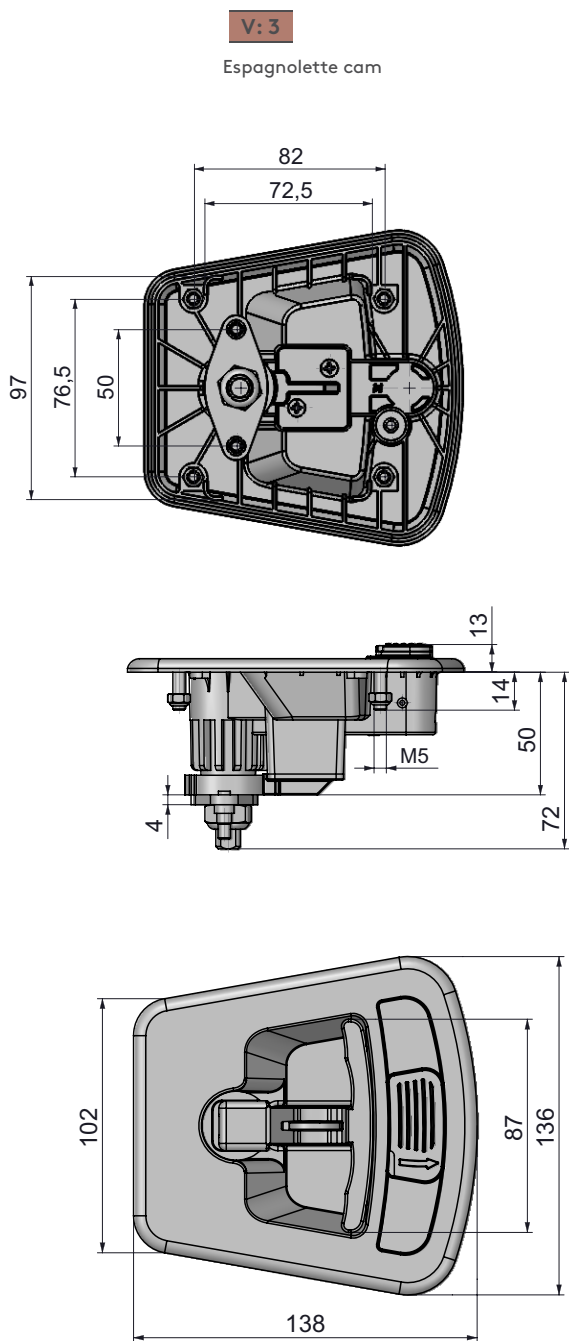


| SPECIFICATIONS                          | D D |
|-----------------------------------------|-----|
| Stainless steel dust cap (Keyed alike)  | 03  |
| Stainless steel dust cap (Keyed differ) | 32  |
| CH751 ( Stainless steel dust cap )      | 07  |

| FINISH        | F |
|---------------|---|
| Chrome Plated | 1 |
| Black Coated  | 2 |

| OPTION | O |
|--------|---|
| Hole   | 0 |
| Stud   | 1 |

| Group Code | Version | Handle | Cylinder | Grip | Option |
|------------|---------|--------|----------|------|--------|
| 014        | 2       | 1      | F        | DD   | 60     |



014 T HANDLE HEAVY-DUTY LOCK

- IP 65
- 
- RoHS
- L R
- 
- 



- Two-point locking
- Option to use with or without padlock
- Use rivets or bolts for fixing
- Can be supplied without cylinder

**MATERIAL**  
BODY: Polyamid DIN-EN ISO 1043-1PA6 GFR 30  
HANDLE: Zamak DIN-EN 1774-ZnAl4Cu1

**FINISH**  
HANDLE: Chrome or black coated

| SPECIFICATIONS                          |  | D D | FINISH        |  | F | OPTION |  | O |
|-----------------------------------------|--|-----|---------------|--|---|--------|--|---|
| Stainless steel dust cap (Keyed alike)  |  | 03  | Chrome Plated |  | 1 | Hole   |  | 0 |
| Stainless steel dust cap (Keyed differ) |  | 32  | Black Coated  |  | 2 | Stud   |  | 1 |
| CH751 ( Stainless steel dust cap )      |  | 07  |               |  |   |        |  |   |

| Group Code | Version | Handle | Cylinder | Option |
|------------|---------|--------|----------|--------|
| 014        | 3       | 1      | F        | DD     |

## HEAVY-DUTY LOCKS

### T HANDLE HEAVY-DUTY LOCK

014



- Three-point locking
- 10 - 60 mm grip range
- Easy fixing with roller cam
- Provides sealing with compression property
- Option to use with or without padlock
- Use rivets or bolts for fixing
- Can be supplied without cylinder

#### MATERIAL

BODY: Polyamid DIN-EN  
ISO 1043-1 PA6 GFR 30  
HANDLE: Zamak DIN-EN  
1774-ZnAl4Cu1

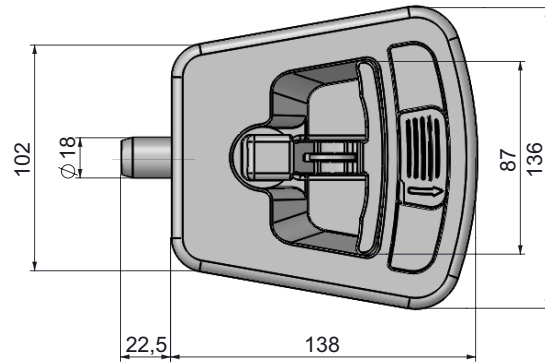
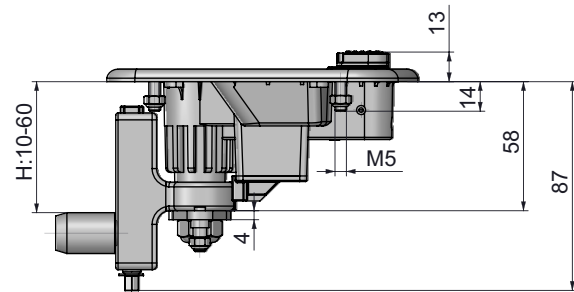
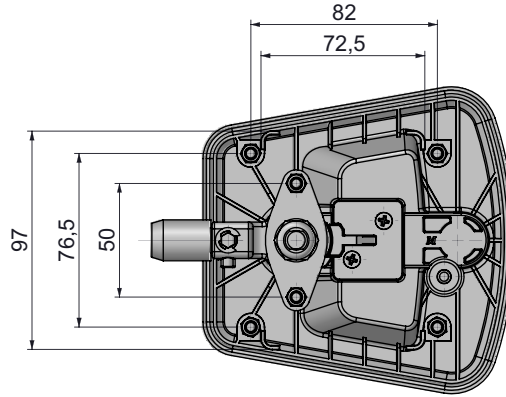
#### FINISH

HANDLE: Chrome or black coated



V:4

Espagnolette cam and adjustable roller cam

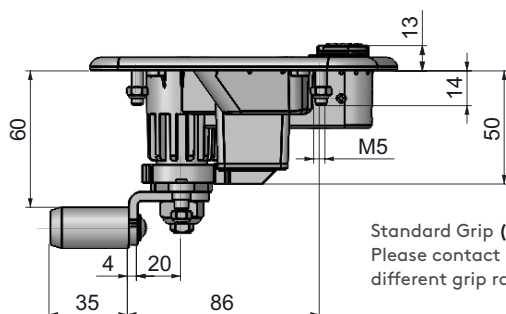
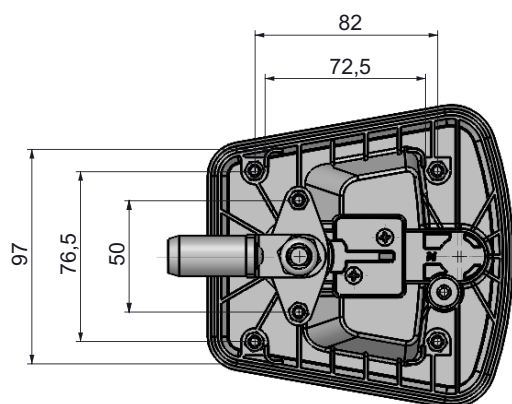


| SPECIFICATIONS                          | D D | FINISH        | F | OPTION | O |
|-----------------------------------------|-----|---------------|---|--------|---|
| Stainless steel dust cap (Keyed alike)  | 03  | Chrome Plated | 1 | Hole   | 0 |
| Stainless steel dust cap (Keyed differ) | 32  | Black Coated  | 2 | Stud   | 1 |
| CH751 ( Stainless steel dust cap )      | 07  |               |   |        |   |

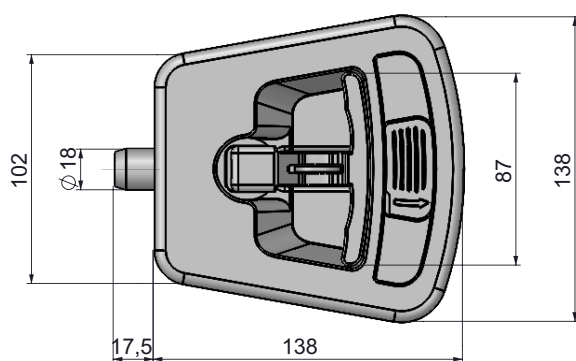
| Group Code | Version | Handle | Cylinder | Option |
|------------|---------|--------|----------|--------|
| 014        | 4       | 1      | F        | DD     |

V:5

Espagnolette cam and fixed cam



Standard Grip (H) is 60 mm  
Please contact Essentra Components for different grip ranges



014

T HANDLE HEAVY-DUTY LOCK

IP 65



RoHS



- Fixed Grip
- Three-point locking
- Easy fixing with roller cam
- Provides sealing with compression property
- Option to use with or without padlock
- Use rivets or bolts for fixing
- Can be supplied without cylinder

## MATERIAL

BODY: Polyamid DIN-EN ISO 1043-1 PA6 GFR 30  
HANDLE: Zamak DIN-EN 1774-ZnAl4Cu1

## FINISH

HANDLE: Chrome or black coated

| SPECIFICATIONS                          |  | D D | FINISH        |  | F | OPTION |  | O |
|-----------------------------------------|--|-----|---------------|--|---|--------|--|---|
| Stainless steel dust cap (Keyed alike)  |  | 03  | Chrome Plated |  | 1 | Hole   |  | 0 |
| Stainless steel dust cap (Keyed differ) |  | 32  | Black Coated  |  | 2 | Stud   |  | 1 |
| CH751 ( Stainless steel dust cap )      |  | 07  |               |  |   |        |  |   |

| Group Code | Version | Handle | Cylinder | Grip | Option |
|------------|---------|--------|----------|------|--------|
| 014        | 5       | 1      | F        | DD   | 60     |



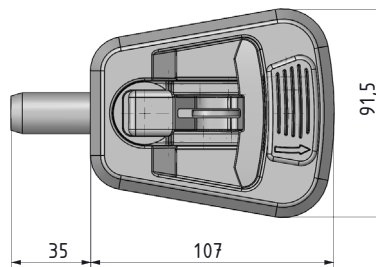
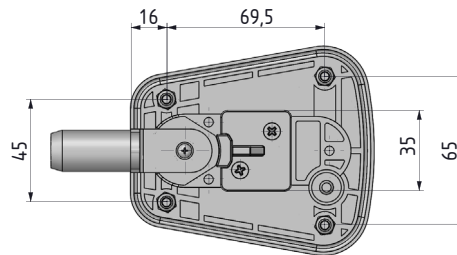
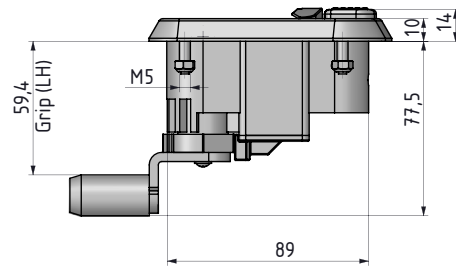
# HEAVY-DUTY LOCKS

## MINI 'T' HANDLE CABINET LOCK

114



- 1- Double security
- 2- Cylinder locking system
- 3- Sliding dust cap



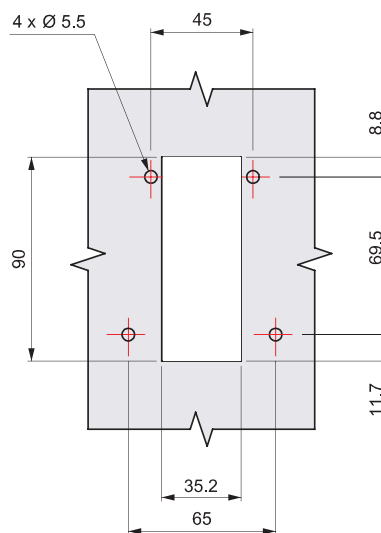
V: 2

Stud version

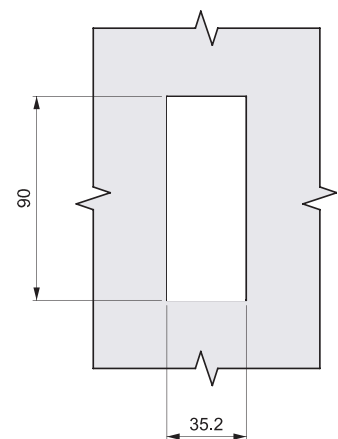


V: 3

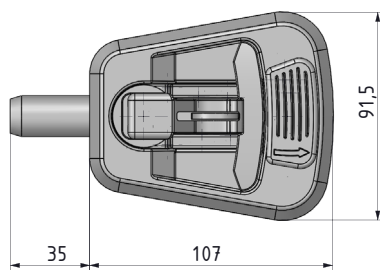
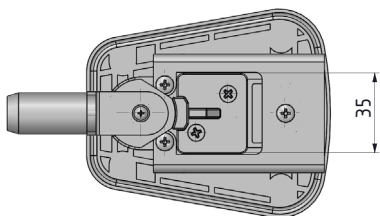
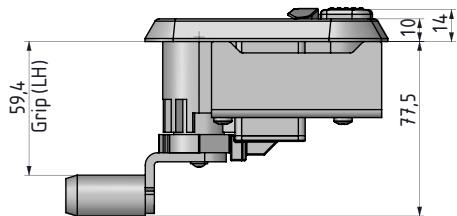
Stud version



Cut Out  
V2 - V3



Cut Out  
V1



V: 1  
Bracket version



114 MINI 'T' HANDLE CABINET LOCK

- IP 65
- RoHS



- Single point locking
- Easy locking by the roller cam
- 4 mm compression
- Optionally used with or without padlock.
- Fixing is possible by rivets, bolts or bracket
- Can be supplied without cylinder.
- Fixed grip
- Please contact us for different grip (LH)

**MATERIAL**  
BODY: Polyamid DIN-EN ISO 1043-1 PA6 GFR 30  
HANDLE: Zamak DIN-EN 1774-ZnAl4Cu1  
CYLINDER: Zamak DIN-EN 1774-ZnAl4Cu1  
**FINISH**  
HANDLE: Chrome or black coated

| SPECIFICATIONS                          |  | DD | FINISH        |  | F |
|-----------------------------------------|--|----|---------------|--|---|
| Stainless steel dust cap (Keyed alike)  |  | 03 | Chrome Plated |  | 1 |
| Stainless steel dust cap (Keyed differ) |  | 32 | Black Coated  |  | 2 |
| CH751 ( Stainless steel dust cap )      |  | 07 |               |  |   |

| Group Code | Version | Handle | Cylinder | Cam |
|------------|---------|--------|----------|-----|
| 114        | V       | 1      | F DD     | 01  |

# HEAVY-DUTY LOCKS

## MINI 'T' HANDLE CABINET LOCK

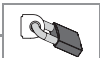
114



- Single-point locking
- 10 - 45 mm grip range
- Easy fixing with roller cam
- Provides sealing with compression property
- Option to use with or without padlock
- Use rivets or bolts for fixing
- Can be supplied without cylinder

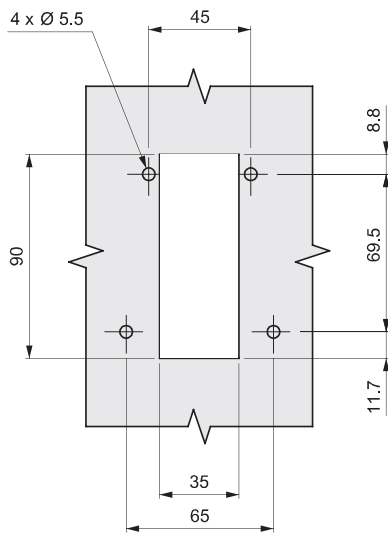
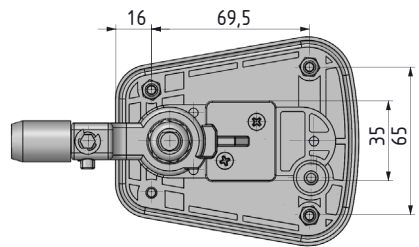
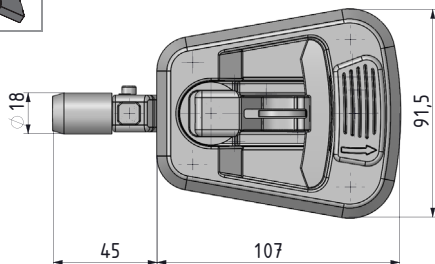
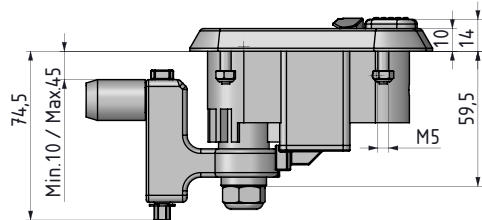
**MATERIAL**  
 BODY: Polyamid DIN-EN ISO 1043-1PA6 GFR 30  
 HANDLE: Zamak DIN-EN 1774-ZnAl4Cu1

**FINISH**  
 HANDLE: Chrome or black coated



V: 4

Adjustable roller cam



Cut Out



| SPECIFICATIONS                          | DD |
|-----------------------------------------|----|
| Stainless steel dust cap (Keyed alike)  | 03 |
| Stainless steel dust cap (Keyed differ) | 32 |
| CH751 ( Stainless steel dust cap )      | 07 |

| FINISH        | F |
|---------------|---|
| Chrome Plated | 1 |
| Black Coated  | 2 |

| OPTION | O |
|--------|---|
| Hole   | 0 |
| Stud   | 1 |

| Group Code | Version | Handle | Cylinder | Option |
|------------|---------|--------|----------|--------|
| 114        | 4       | 1      | F        | DD     |

**315**

## T HANDLE HEAVY-DUTY LOCK

 IP 54



 RoHS

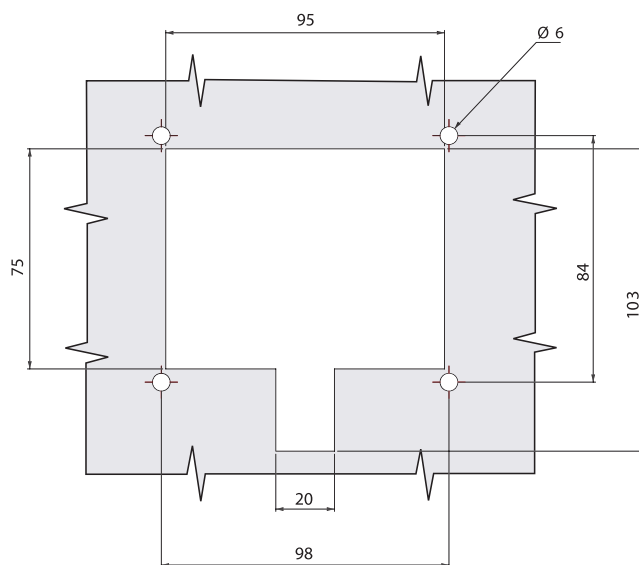
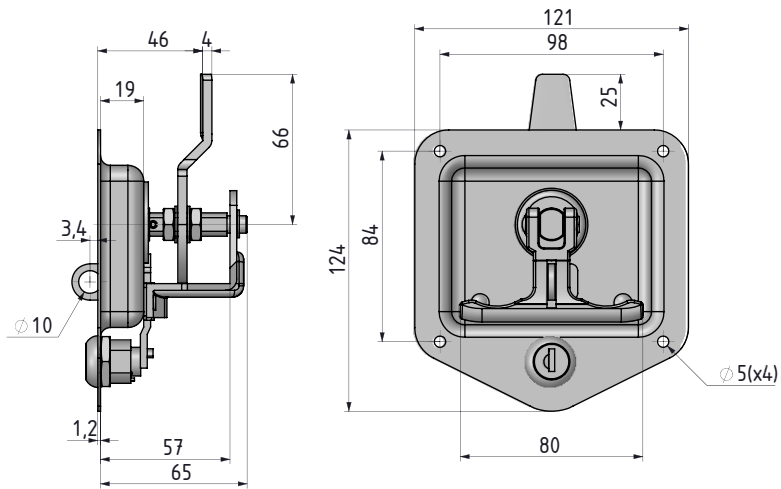
 L R



- Suitable for special equipment cases
- Adjustable cam for wide grip range
- Maximum padlock shackle diameter 9 mm

### MATERIAL

BODY: Stainless steel  
HANDLE: Zamak DIN-EN 1774-ZnAl4Cu1  
PADLOCK HASP: Stainless steel  
CAM: Steel



Cut Out

### SPECIFICATIONS

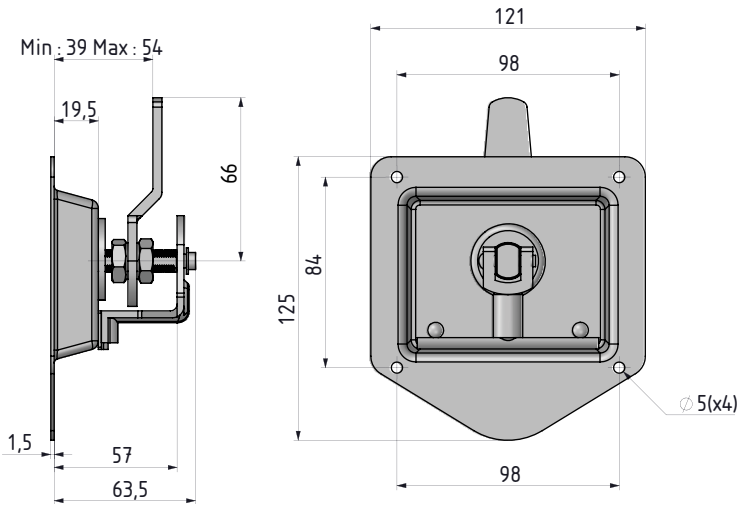
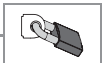
| SPECIFICATIONS                          | D D |
|-----------------------------------------|-----|
| Stainless steel dust cap (Keyed alike)  | 03  |
| Stainless steel dust cap (Keyed differ) | 32  |

| Group Code | Material | Finish | Cylinder |
|------------|----------|--------|----------|
| 315        | 4        | 0      | DD       |

# HEAVY-DUTY LOCKS

## T HANDLE HEAVY-DUTY LOCK

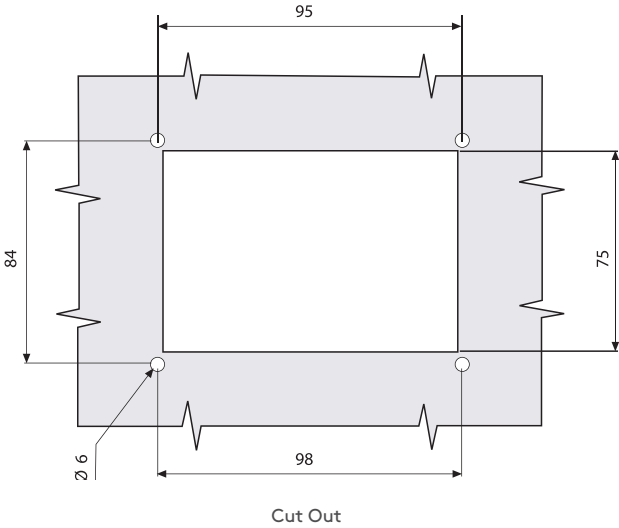
115



- Suitable for special equipment cases
- Adjustable cam for wide grip range
- Maximum padlock shackle diameter 9 mm

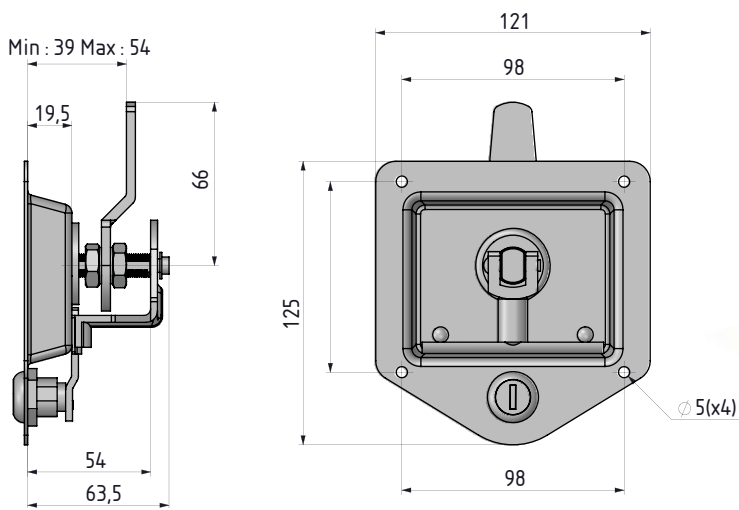
### MATERIAL

BODY: Stainless steel  
HANDLE: Zamak DIN-EN 1774-ZnAl4Cu1  
PADLOCK HASP: Stainless steel  
CAM: Steel



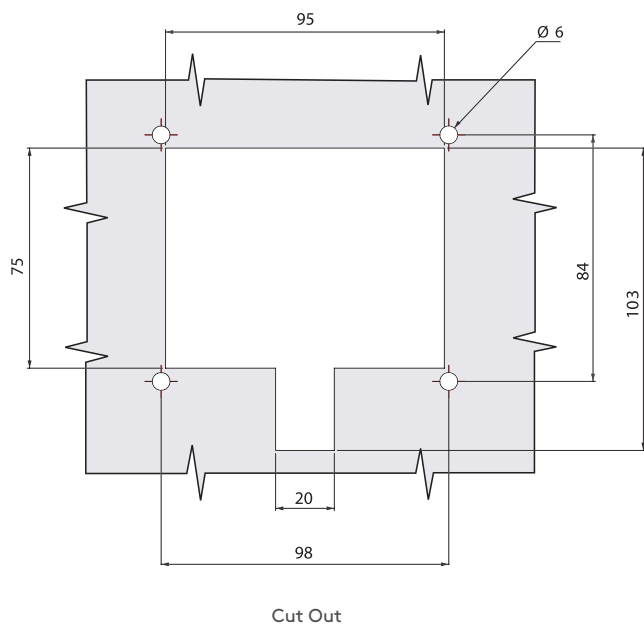
| Group Code | Material | Finish |
|------------|----------|--------|
| 115        | 4        | 0      |

215 T HANDLE HEAVY-DUTY LOCK



- Suitable for special equipment cases
- Adjustable cam for wide grip range

**MATERIAL**  
BODY: Stainless steel  
HANDLE: Zamak DIN-EN 1774-ZnAl4Cu1  
CAM: Steel



| SPECIFICATIONS                          |  | DD |
|-----------------------------------------|--|----|
| Stainless steel dust cap (Keyed alike)  |  | 03 |
| Stainless steel dust cap (Keyed differ) |  | 32 |

| Group Code | Material | Finish | Cylinder |
|------------|----------|--------|----------|
| 215        | 4        | 0      | DD       |

## T HANDLE HEAVY-DUTY LOCK

015



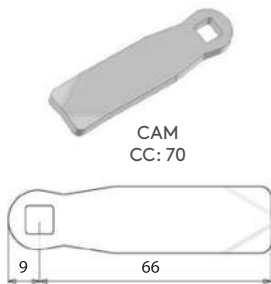
- Secured by padlock
- Maximum padlock shackle diameter 9 mm
- Horizontal and vertical versions available

### MATERIAL

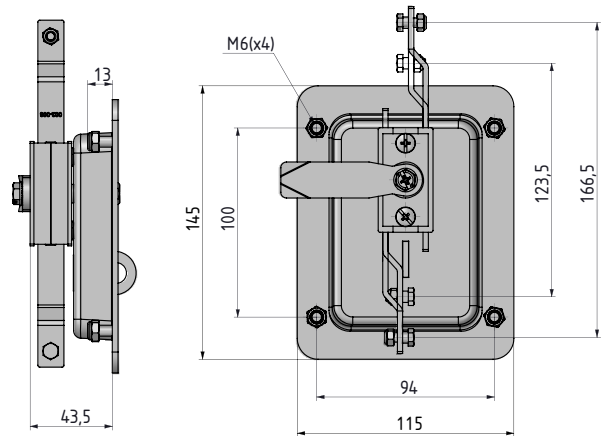
BODY: Steel  
HANDLE: Zamak DIN-EN 1774-ZnAl4Cu1  
CAM: Steel  
SCREW: Stainless steel  
SEAL: Polyurethane

### FINISH

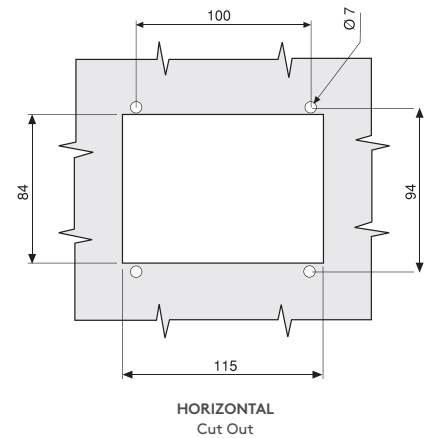
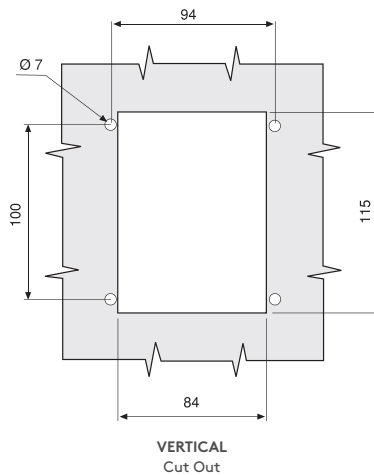
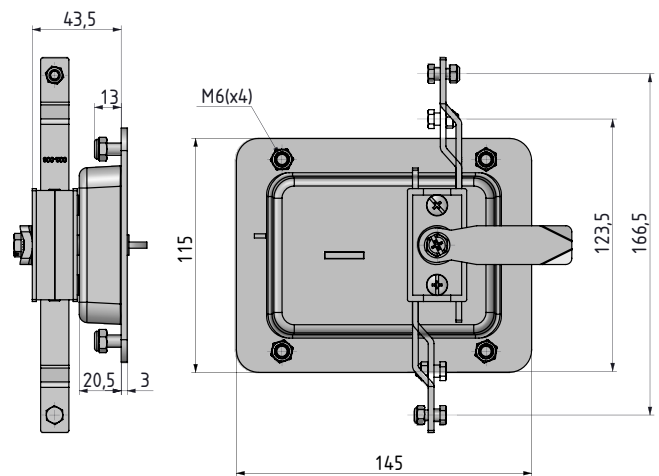
HANDLE: Chrome or black coated  
BODY: Black coated



V: 1  
VERTICAL



V: 2  
HORIZONTAL



| FINISH        | F |
|---------------|---|
| Chrome Plated | 1 |
| Black Coated  | 2 |

|    |        |
|----|--------|
| 70 | CAM    |
| 00 | NO CAM |

| Group Code | Version | Handle | Body | Cam |
|------------|---------|--------|------|-----|
| 015        | V       | F      | 2    | CC  |

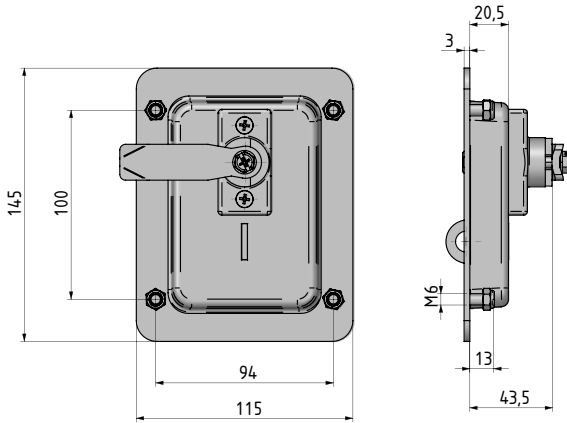
For cams please check pages: 172 - 173



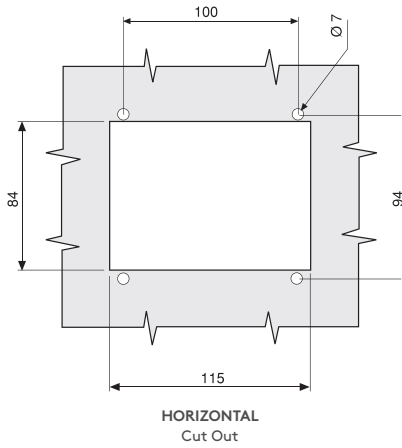
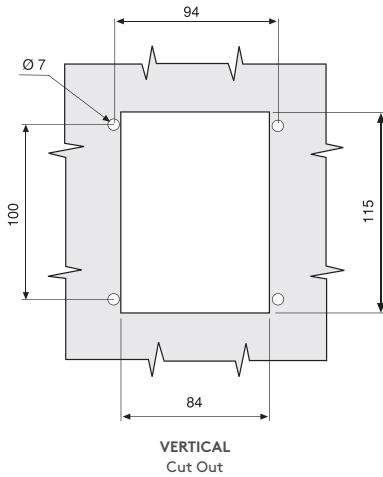
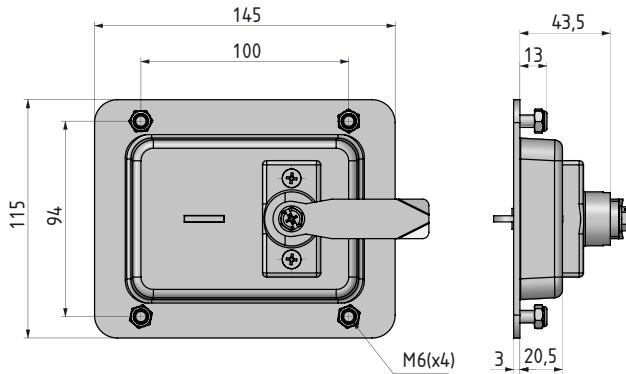
015

## T HANDLE HEAVY-DUTY LOCK

V: 3  
VERTICAL



V: 4  
HORIZONTAL



- Secured by padlock
- Maximum padlock shackle diameter 9 mm
- Horizontal and vertical versions available

### MATERIAL

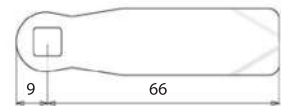
BODY: Steel  
HANDLE: Zamak DIN-EN 1774-ZnAl4Cu1  
CAM: Steel  
SCREW: Stainless steel  
SEAL: Polyurethane

### FINISH

HANDLE: Chrome or black coated  
BODY: Black coated

| FINISH        | F | 70 | CAM    |
|---------------|---|----|--------|
| Chrome Plated | 1 | 00 | NO CAM |
| Black Coated  | 2 |    |        |

| Group Code | Version | Handle | Body | Cam |
|------------|---------|--------|------|-----|
| 015        | V       | F      | 2    | CC  |



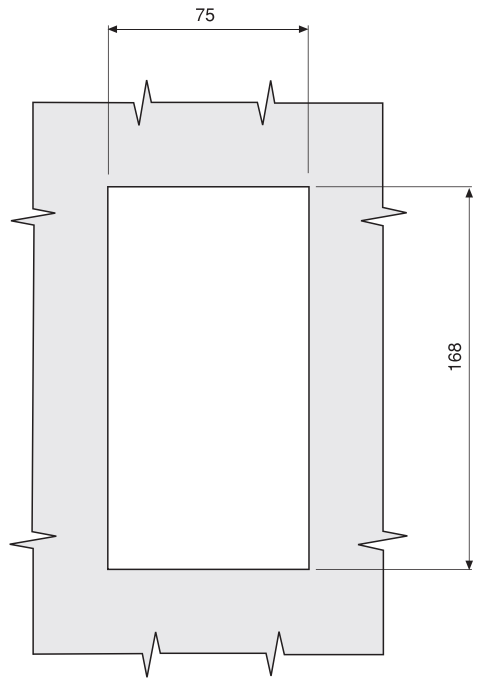
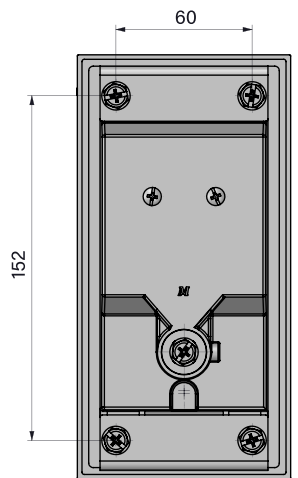
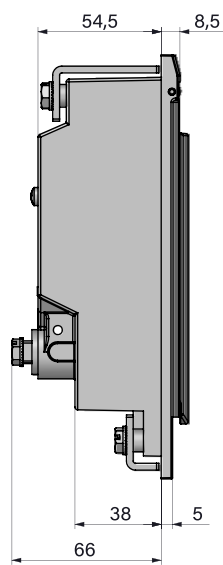
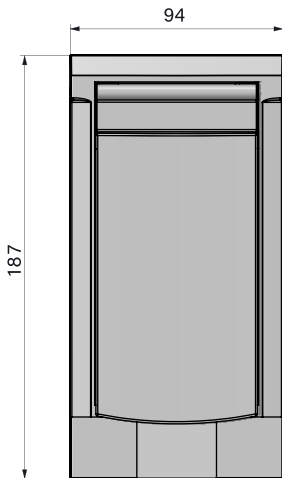
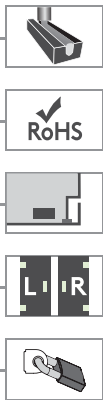
For cams please check pages: 172 - 173



# HEAVY-DUTY LOCKS

## T HANDLE HEAVY-DUTY LOCK

018



Cut Out

- Especially designed for medium voltage panels
- Foam gasketing provides sealing
- Maximum padlock shackle diameter 9 mm
- For customised cam and colours contact Essentra
- For customised cam and colours contact Mesan

### MATERIAL

BODY: Aluminium  
COVER: Aluminium  
HANDLE: Zamak DIN-EN 1774-ZnAl4Cu1  
PIN: Stainless steel  
PADLOCK HASP: Steel

| SPECIFICATIONS |  | DD |
|----------------|--|----|
| Keyed alike    |  | 01 |
| Keyed differ   |  | 02 |

| Group Code | Material | Finish | Cam |
|------------|----------|--------|-----|
| 018        | 5        | 2      | 00  |

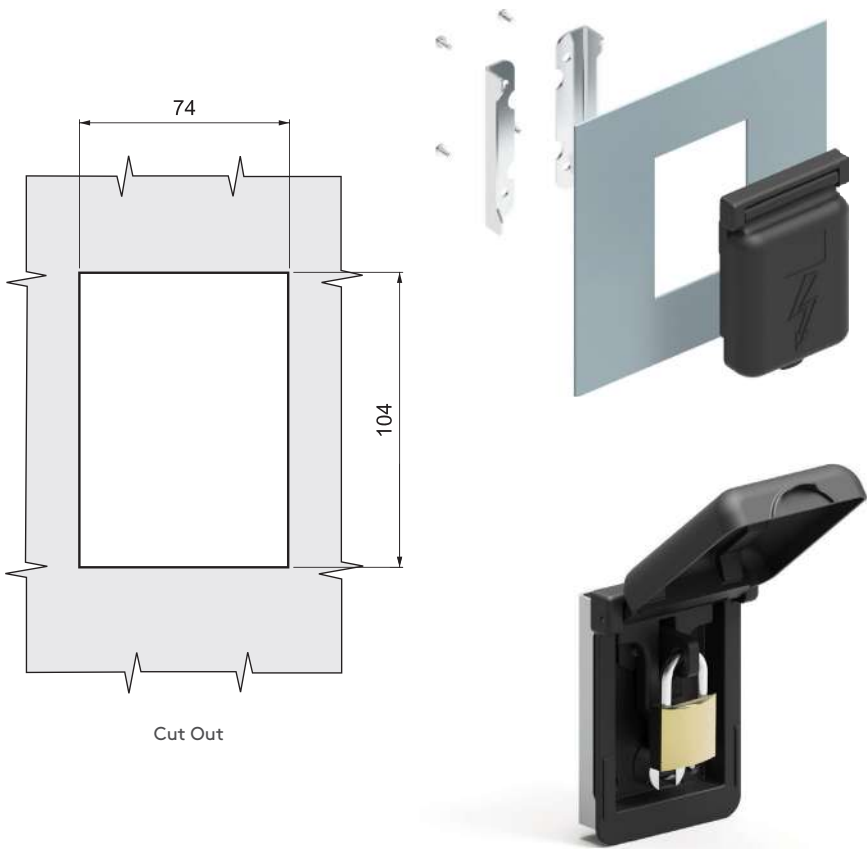
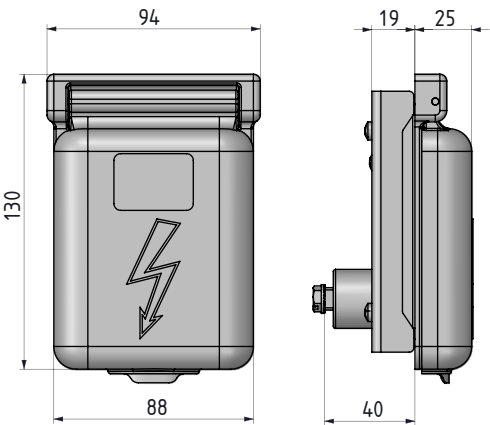
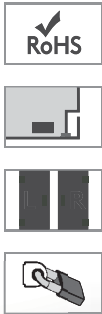
No cylinder version code system

| Group Code | Version | Material | Finish | Cylinder | Cam |
|------------|---------|----------|--------|----------|-----|
| 018        | 2       | 5        | 2      | DD       | CC  |

Cylinder version code system

118

T HANDLE HEAVY-DUTY LOCK



- For low voltage cabinets
- Optional polyurethane gasketing
- Maximum padlock shackle diameter 10 mm
- Option to be supplied without painting or plating
- For customised cam contact Essentra

| MATERIAL       |                            |
|----------------|----------------------------|
| BODY:          | Aluminium                  |
| COVER:         | Aluminium                  |
| HANDLE:        | Zamak DIN-EN 1774-ZnAl4Cu1 |
| PAD LOCK HASP: | Steel                      |

| FINISH       | F |
|--------------|---|
| No Finish    | 0 |
| Black Coated | 2 |

| Group Code | Material | Finish | Cam |
|------------|----------|--------|-----|
| 118        | 5        | F      | 00  |



118-125



126-130



127



131



132-133



134-135



136



137



138



139



140



141



142



143



144-145



146



147



148



149



150-159



156-157



160



160



161



161



162



163



164



165



166



## MISCELLANEOUS PRODUCTS

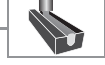
116-167



**mesan**  
ESSENTA COMPONENTS

## HVAC LOCK

112



- Ergonomic and stylish design
- Quick fixing
- Secure locking
- Adjustable grip length
- Suitable for outward swing doors

### MATERIAL

**BODY:** Polyamide DIN-EN ISO 1043-1 PA6 GFR 30  
**HANDLE:** PA6 GFR 30  
**CAM:** Steel - PA6 GFR 30  
**SEAL:** Polyurethane

⚠ This product can be produced as anti-bacterial with PA6 GFR 30% + 6% content. The raw material used has been tested in the DIN EN ISO 846 standard.



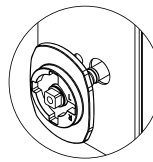
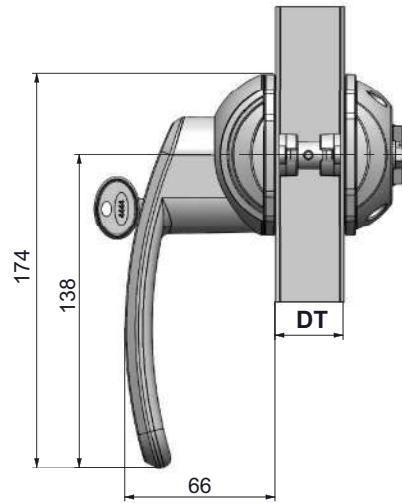
No cylinder



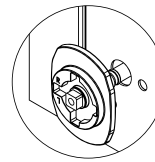
Driver



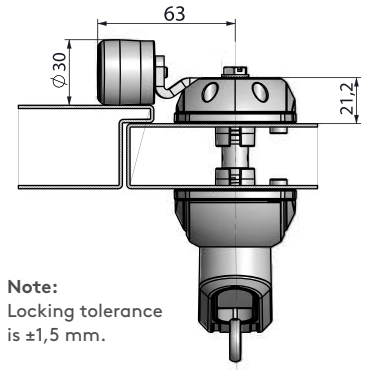
Padlock application



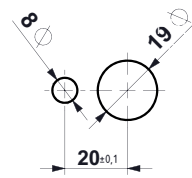
L



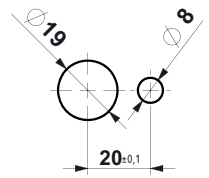
R



**Note:**  
Locking tolerance is  $\pm 1,5$  mm.



Left hand  
Cut out



Right hand  
Cut out

For different door thicknesses, please contact our sales team



- 1: Handle  
 2: Shaft unit  
 3: Roller cam  
 4: Safety cam (Optional - 112A3CH01)  
 5: Lever handle (Optional - 112A101)  
 6: Safety interior handle (Optional - 112A2)

| DT |
|----|
| 30 |
| 40 |
| 50 |
| 60 |
| 70 |
| 80 |

| CYLINDER TYPE                           | DD |
|-----------------------------------------|----|
| No Cylinder                             | 00 |
| Keyed alike (Stainless steel dust cap)  | 03 |
| Keyed differ (Stainless steel dust cap) | 32 |
| Euro key (5333)                         | 05 |

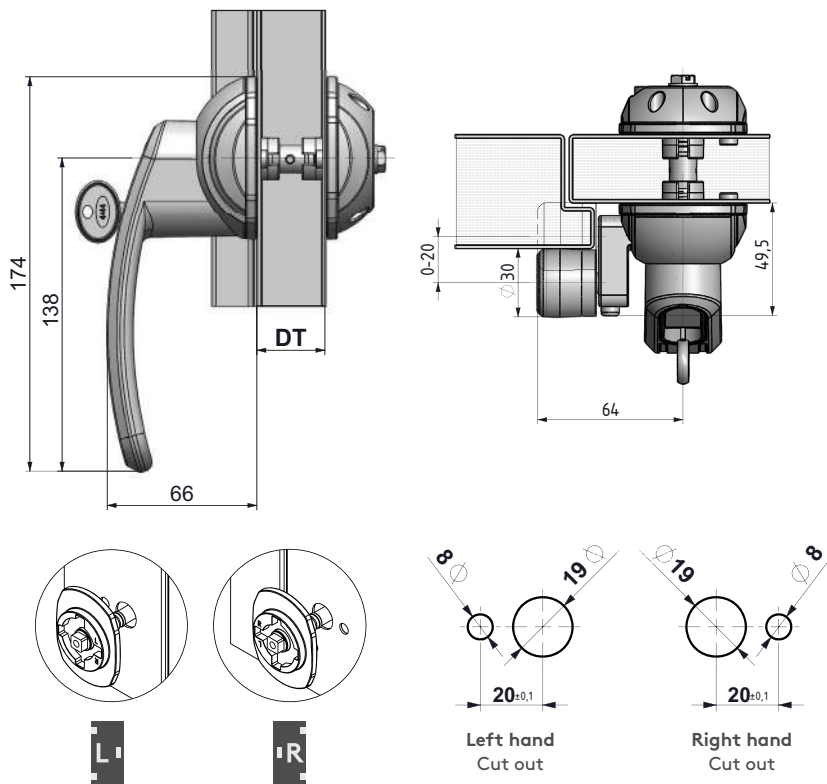
| DRIVER TYPE     | DD |
|-----------------|----|
| 8 mm Square     | 28 |
| 10 mm Square    | 20 |
| 7 mm Triangular | 37 |
| 8 mm Hexagon    | 68 |

- For cams please check pages: 122
- For accessories pages 123 - 124
- For keys please check pages: 124

| Group Code | Version | Door thickness | Cylinder Driver | Cam | For only padlock* |
|------------|---------|----------------|-----------------|-----|-------------------|
| 112        | 1       | DT             | DD              | CC  |                   |

\*: add "1" for padlock application





For different door thicknesses, please contact our sales team



- 1: Handle  
2: Shaft unit  
3: Fixing device  
4: Lever handle (Optional - 112A101)  
5: Safety interior handle (Optional - 112A2)

| DT |
|----|
| 30 |
| 40 |
| 50 |
| 60 |
| 70 |
| 80 |

| DOOR DIRECTION |     |
|----------------|-----|
| Right hand     | 001 |
| Left hand      | 002 |

| CYLINDER TYPE                           | DD |
|-----------------------------------------|----|
| No Cylinder                             | 00 |
| Keyed alike (Stainless steel dust cap)  | 03 |
| Keyed differ (Stainless steel dust cap) | 32 |
| Euro key (5333)                         | 05 |

| DRIVER TYPE     | DD |
|-----------------|----|
| 8 mm Square     | 28 |
| 10 mm Square    | 20 |
| 7 mm Triangular | 37 |
| 8 mm Hexagon    | 68 |

| Group Code | Version | Door thickness | Cylinder Driver | Cam | For only padlock* | Door Direction |
|------------|---------|----------------|-----------------|-----|-------------------|----------------|
| 112        | 2       | DT             | DD              | CC  |                   |                |

\*: add "1" for padlock application

112

HVAC LOCK



- Ergonomic and stylish design
- Quick fixing
- Secure locking
- Adjustable grip length
- Suitable for inward swing doors

MATERIAL

BODY: Polyamide DIN-EN ISO 1043-1 PA6 GFR 30  
HANDLE: PA6 GFR 30  
CAM: Steel - PA6 GFR 30  
SEAL: Polyurethane



No cylinder



Driver



Padlock application

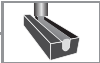
- For cams please check pages: 122
- For accessories pages 123 - 124
- For keys please check pages: 124



# MISCELLANEOUS PRODUCTS

## HVAC LOCK

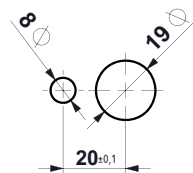
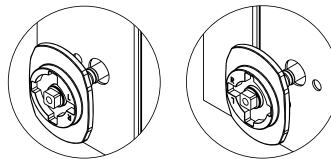
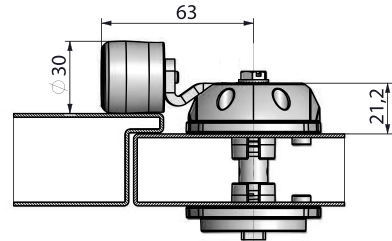
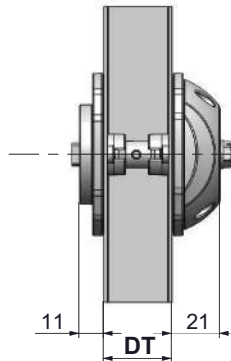
112



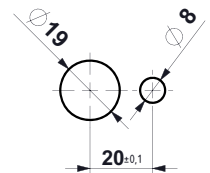
- No handle application
- Quick fixing
- Secure locking
- Adjustable grip length

### MATERIAL

BODY: Polyamide DIN-EN ISO 1043-1 PA6 GFR 30  
CAM: Steel – PA6 GFR 30  
SHAFT: Steel  
SEAL: Polyurethane



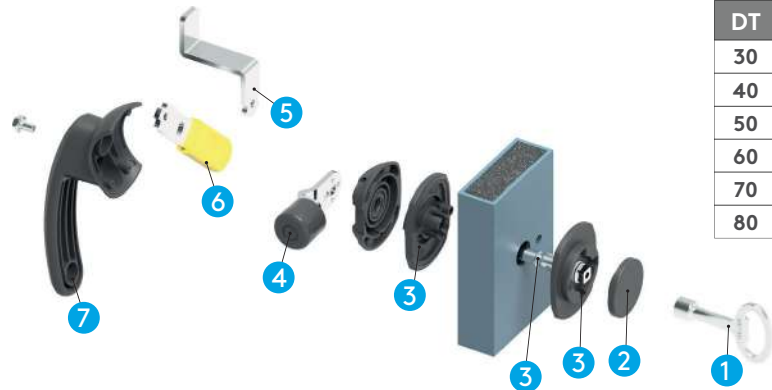
Left hand  
Cut out



Right hand  
Cut out



For different door thicknesses, please contact our sales team



| DT |
|----|
| 30 |
| 40 |
| 50 |
| 60 |
| 70 |
| 80 |

- 1: Key (36820)  
2: Cover (Optional - 112A6)  
3: Shaft unit  
4: Roller cam  
5: Safety cam (Optional - 112A3CH01)  
6: Lever handle (Optional - 112A101)  
7: Safety interior handle (Optional - 112A2)

| Group Code | Version | Door thickness | Cam |
|------------|---------|----------------|-----|
| 112        | 3       | DT             | CC  |



For cams please check pages: 122

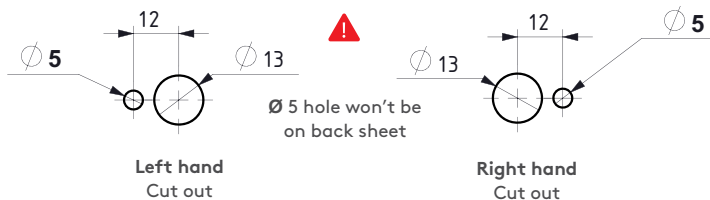
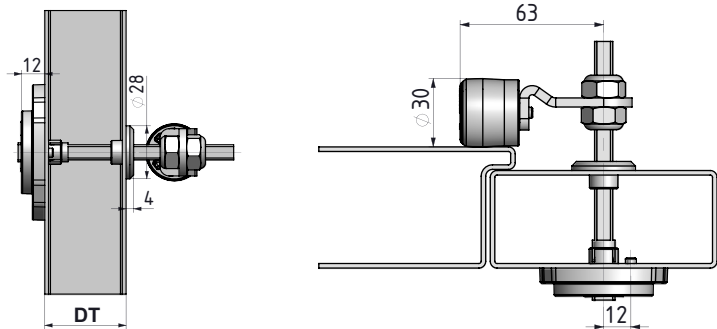


For accessories pages 123 - 124



For keys please check pages: 124

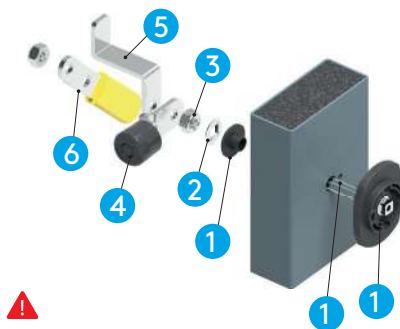




For different door thicknesses, please contact our sales team

| DOOR THICKNESS            | DT |
|---------------------------|----|
| 20 -50 mm thickness panel | 01 |
| 50 -80 mm thickness panel | 02 |

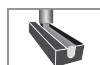
- 1: Shaft unit
- 2: Ring
- 3: Nut
- 4: Roller cam
- 5: Safety cam (Optional - 112A3CH02)
- 6: Lever handle (Optional - 112A102)



| Group Code | Version | Door thickness | Cam |
|------------|---------|----------------|-----|
| 112        | 4       | DT             | CC  |

112

HVAC LOCK



- No handle application
- Quick fixing
- Secure locking
- Adjustable grip length

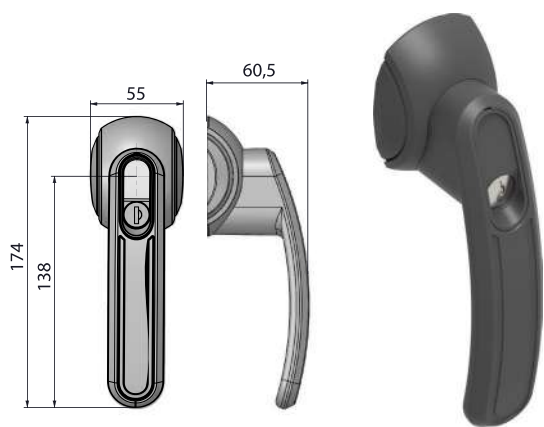
MATERIAL

BODY: Polyamide DIN-EN ISO 1043-1 PA6 GFR 30  
CAM: Steel - PA6 GFR 30  
SHAFT: Steel  
SEAL: Polyurethane

- For cams please check pages: 122
- For accessories pages 123 - 124
- For keys please check pages: 124



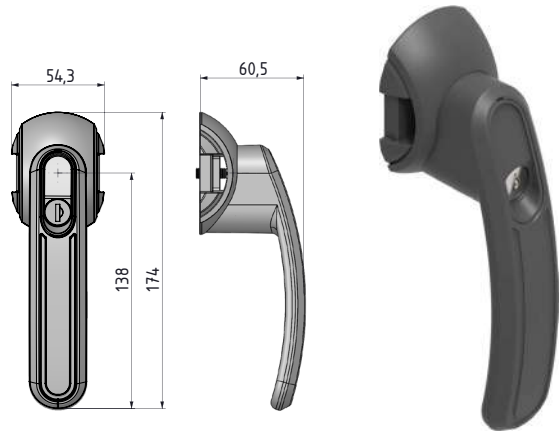
HANDLES



Suitable for outward swing doors

| Group Code | Version | Cylinder Driver | For only padlock* |
|------------|---------|-----------------|-------------------|
| 112H       | 1       | DD              |                   |

\*: add "1" for padlock application



Suitable for inward swing doors

| Group Code | Version | Cylinder Driver | For only padlock* |
|------------|---------|-----------------|-------------------|
| 112H       | 2       | DD              |                   |

\*: add "1" for padlock application



Handles can be ordered individually.  
Shaft unit is not included.

CAMS



Fixed cam  
(Round roller)



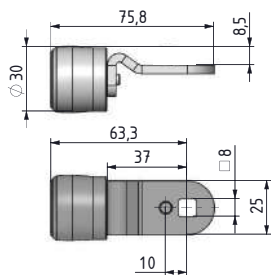
Fixed cam  
(Triangle Roller)



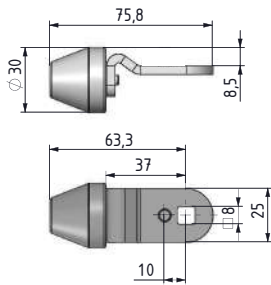
Adjustable cam  
(Round roller)



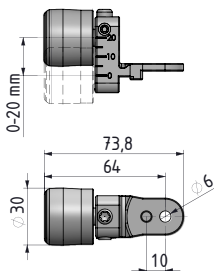
Adjustable cam  
(Triangle Roller)



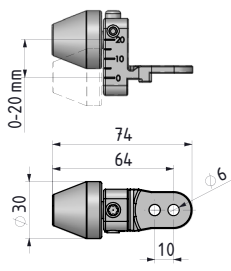
| STOCK CODE | CC |
|------------|----|
| 112C01     | 01 |
| * 112C11   | 11 |



| STOCK CODE | CC |
|------------|----|
| 112C02     | 02 |
| * 112C12   | 12 |



| STOCK CODE | CC |
|------------|----|
| 112C03     | 03 |



| STOCK CODE | CC |
|------------|----|
| 112C04     | 04 |

\*: For only multiple locking system

\*: For only multiple locking system

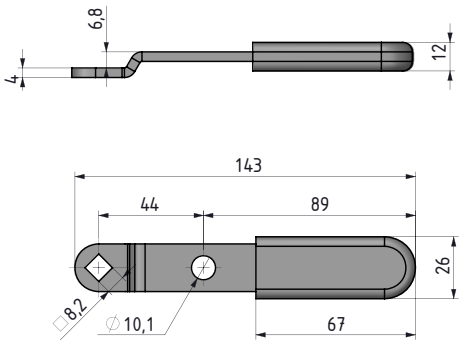
ACCESSORIES



Lever handle

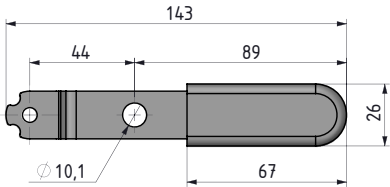


Safety cam



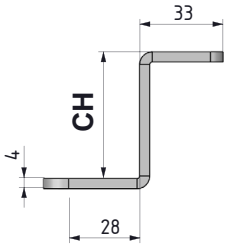
STOCK CODE  
112A102

⚠ Only version 4 is used.

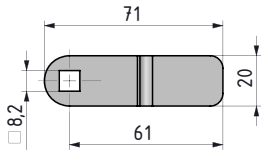


STOCK CODE  
112A101

Only version 1.2.3 is used.

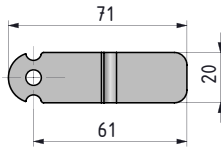


| CH  |
|-----|
| 25  |
| 50  |
| 75  |
| 100 |



STOCK CODE  
112A3CH02

⚠ Only version 4 is used.

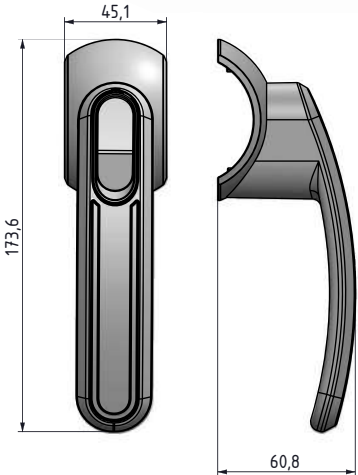


STOCK CODE  
112A3CH01

Only version 1.2.3 is used.



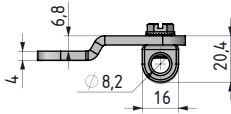
Safety interior handle



STOCK CODE  
112A2

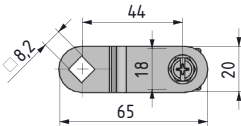


Multiple locking unit



STOCK CODE  
112A502

⚠ Only version 4 is used.



STOCK CODE  
112A501

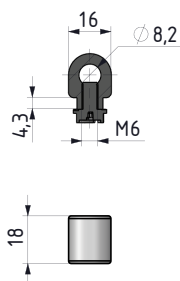
Only version 1.2.3 is used.



ACCESSORIES



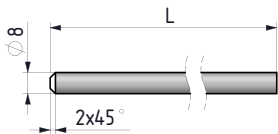
Rod adapter



| STOCK CODE |
|------------|
| 112A4      |



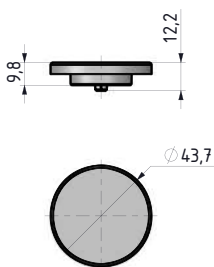
Rod



| GROUP CODE | LENGTH |
|------------|--------|
| 112IC      | L      |



Cover



| STOCK CODE |
|------------|
| 112A6      |

KEYS



8 mm Square

| STOCK CODE |
|------------|
| 36828      |



10 mm Square

| STOCK CODE |
|------------|
| 36820      |



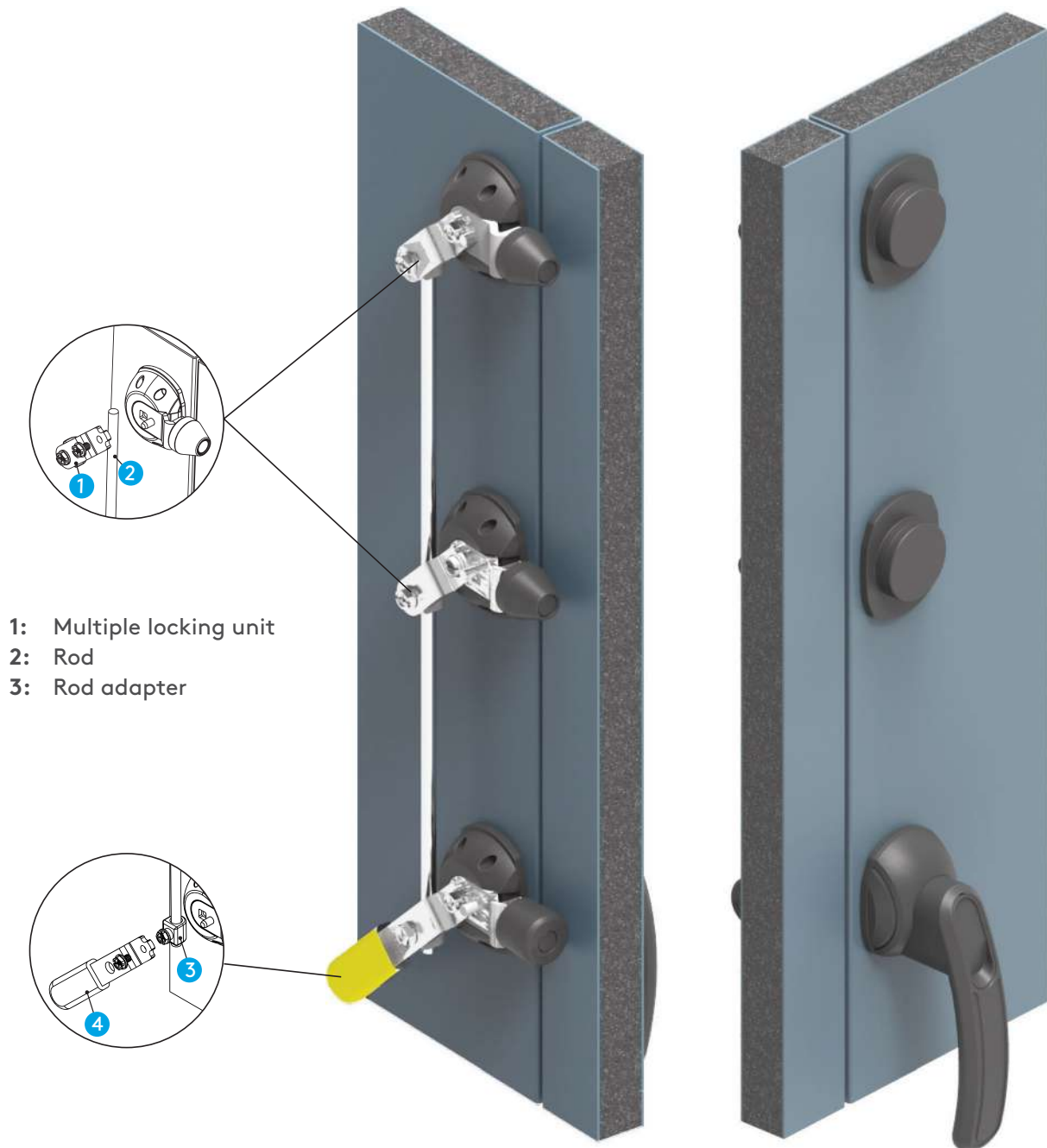
7 mm Triangular

| STOCK CODE |
|------------|
| 36837      |



8 mm Hexagon

| STOCK CODE |
|------------|
| 36868      |

**MULTIPOINT LOCKING SYSTEM**

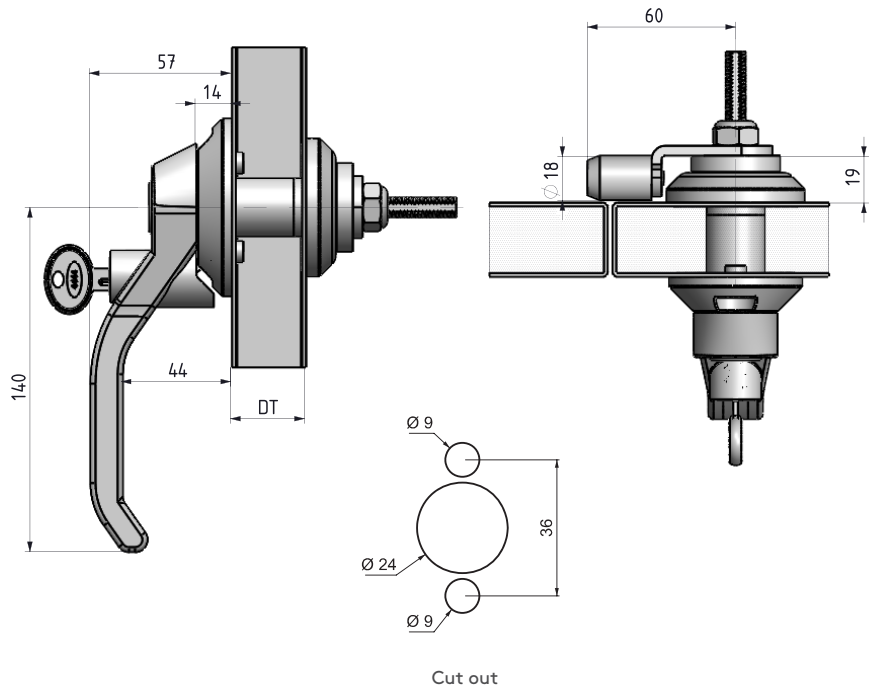
Customizable solutions in multi-point locking system by bespoke rod dimensions are upon request.  
Please contact our sales team for your technical inquiries (Sample application in image).



## MISCELLANEOUS PRODUCTS

### HVAC LOCK

012



- Removable handle for easy assembly on site
- Roller cam requires less force for locking
- With or without cylinder and driver available
- Can be used for different door thicknesses
- Internal handle available for opening door from inside for safety purposes

#### MATERIAL

BODY: Polyamide DIN-EN ISO 1043-1 PA6 GFR 30  
HANDLE: Polyamide DIN-EN ISO 1043-1 PA6 GFR 30  
CAM: Steel

⚠ This product can be produced as anti-bacterial with PA6 GFR 30% + 6% content. The raw material used has been tested in the DIN EN ISO 846 standard.

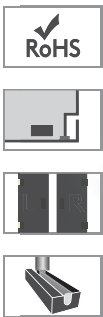


|  | CYLINDER                                |  | DD | DRIVER                                                                                |    | DT |
|-------------------------------------------------------------------------------------|-----------------------------------------|--|----|---------------------------------------------------------------------------------------|----|----|
|                                                                                     | No cylinder                             |  | 00 | 10 mm Square                                                                          |    | 30 |
|                                                                                     | Keyed alike (Stainless steel dust cap)  |  | 03 |  | 20 | 40 |
|                                                                                     | Keyed differ (Stainless steel dust cap) |  | 32 |                                                                                       |    | 50 |
|                                                                                     | Euro key (5333)                         |  | 05 |                                                                                       |    | 60 |
|                                                                                     | CH751 (Stainless steel dust cap)        |  | 07 |                                                                                       |    | 80 |

| Group Code | Version | Door thickness | Cylinder Driver | Cam |
|------------|---------|----------------|-----------------|-----|
| 012        | 1       | DT             | DD              | CC  |

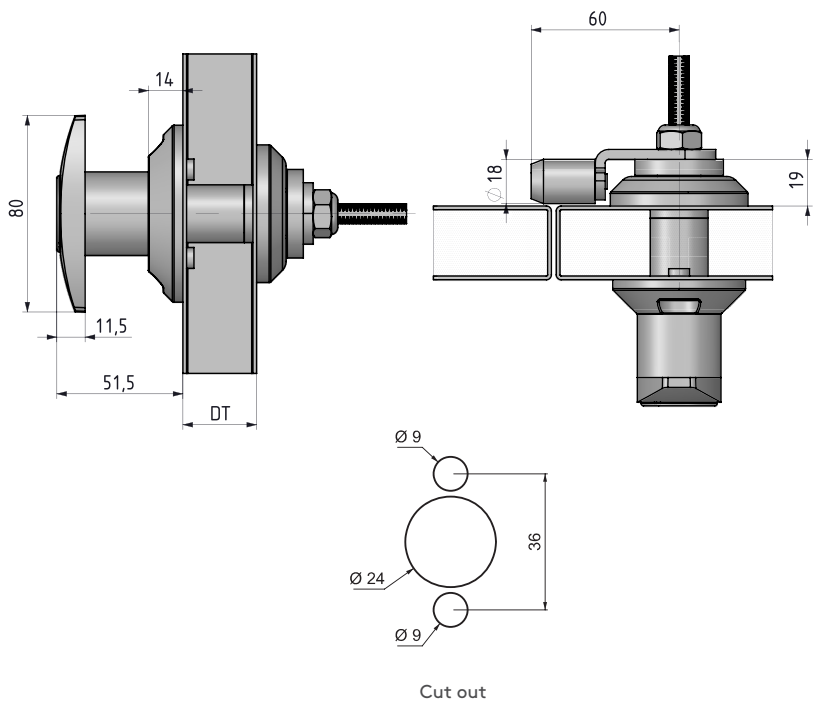
012

HVAC LOCK



- Roller cam requires less force for locking
- Without-cylinder version
- Can be used for different door thicknesses
- Compact design requires less space

**MATERIAL**  
BODY: Polyamide DIN-EN ISO 1043-1 PA6 GFR 30  
HANDLE: Polyamide DIN-EN ISO 1043-1 PA6 GFR 30  
CAM: Steel  
ADJUSTABLE SCREW: Steel



| Group Code | Version | Door thickness | Cylinder | Cam |
|------------|---------|----------------|----------|-----|
| 012        | 3       | DT             | 00       | CC  |

| DT |
|----|
| 30 |
| 40 |
| 50 |
| 60 |
| 80 |



## MISCELLANEOUS PRODUCTS

### HVAC LOCK

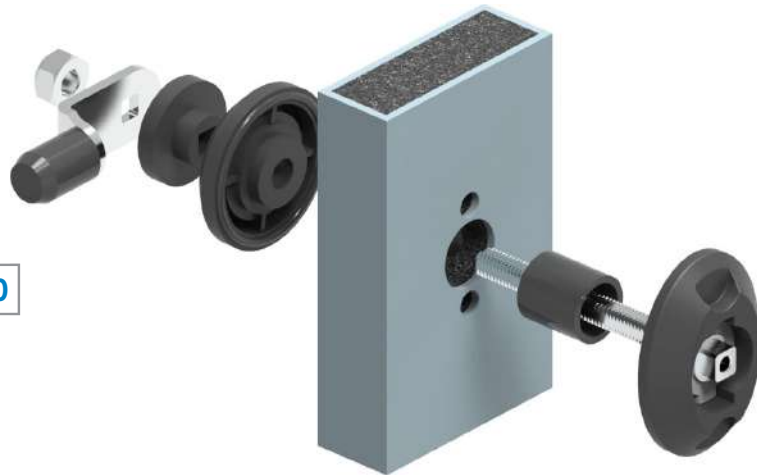
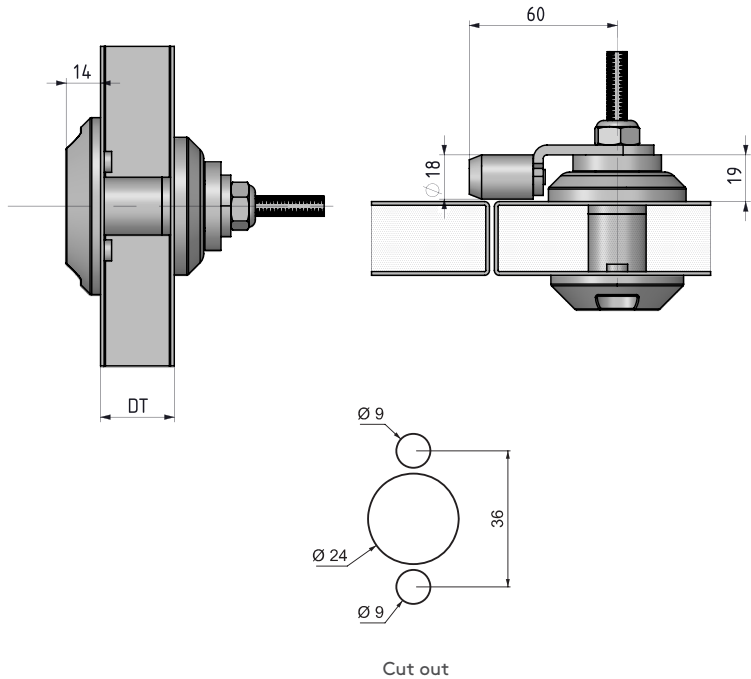
012



- Can be operated without handle

#### MATERIAL

BODY: Polyamide DIN-EN ISO 1043-1 PA6 GFR 30  
CAM: Steel  
ADJUSTABLE SCREW: Steel



### METAL KEY

368.20



#### MATERIAL

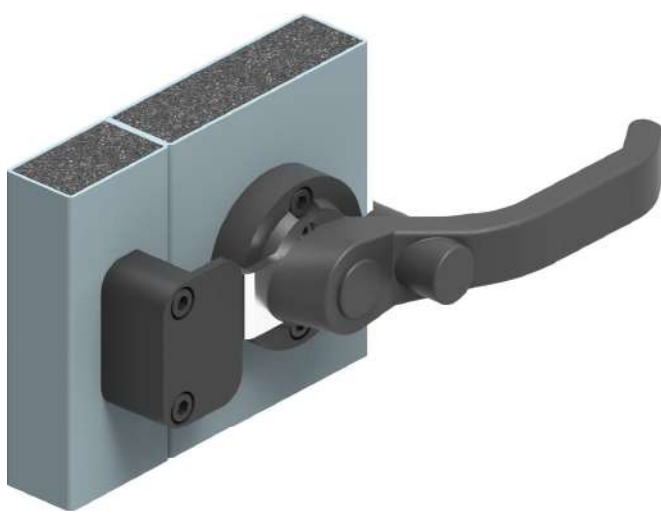
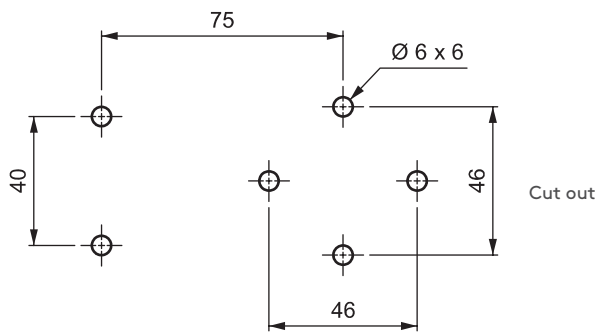
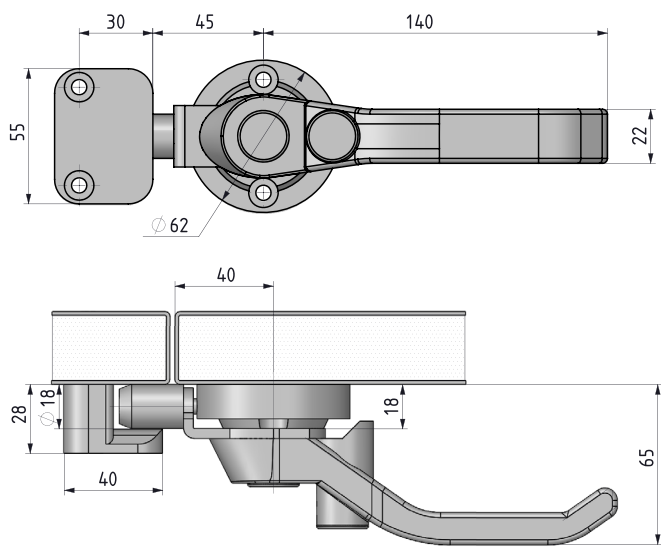
Zamak DIN-EN 1774-ZnAl4Cu1

#### FINISH

Chrome plated

| Group Code | Version | Door thickness | Cam |
|------------|---------|----------------|-----|
| 012        | 4       | DT             | 01  |

| DT |
|----|
| 30 |
| 40 |
| 50 |
| 60 |
| 80 |



012

HVAC LOCK



- Outside locking system provides safety for pressurised doors
- Roller cam requires less force for locking
- Can be used for different door thicknesses

MATERIAL

BODY: Polyamide DIN-EN ISO 1043-1 PA6 GFR 30  
HANDLE: Polyamide DIN-EN ISO 1043-1 PA6 GFR 30  
CAM: Steel

012 A2

STRIKING PLATE



MATERIAL

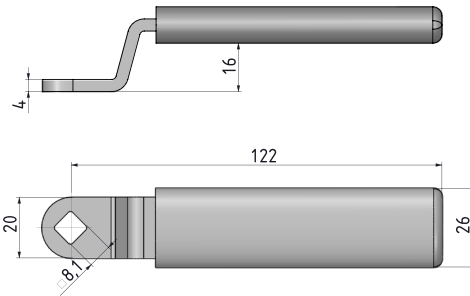
Zamak DIN-EN 1774-ZnAl4Cu1

| Group Code | Version | Cylinder | Cam |
|------------|---------|----------|-----|
| 012        | 2       | 00       | 01  |

## MISCELLANEOUS PRODUCTS

### LEVER HANDLE

012 A1



- Lever handle is optional accessory
- Can only be used when external handle is at unlocking position

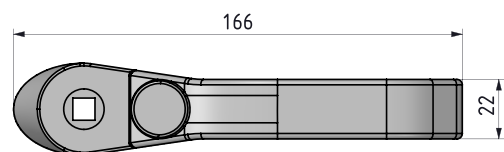
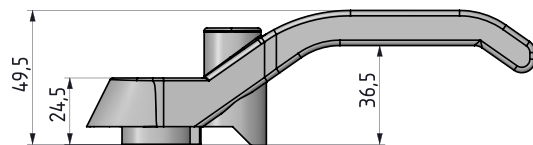
**MATERIAL**  
Steel

**FINISH**  
Polyamide overmould



### INTERNAL SAFETY HANDLE

012 A3



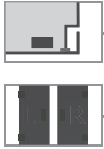
**MATERIAL**  
Polyamide DIN-EN ISO  
1043-1 PA6 GFR 30



612

HVAC LOCK

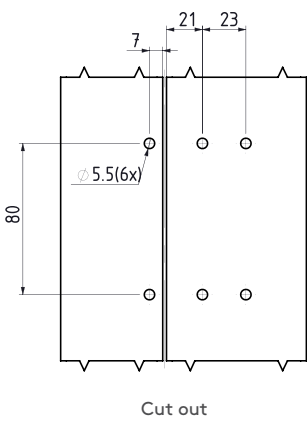
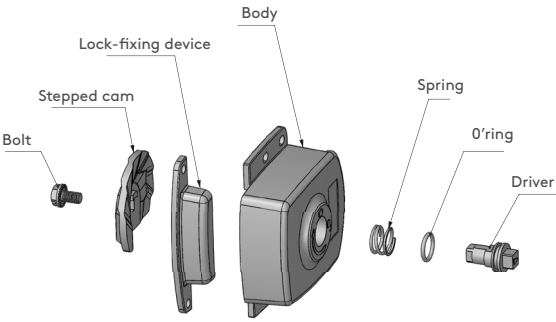
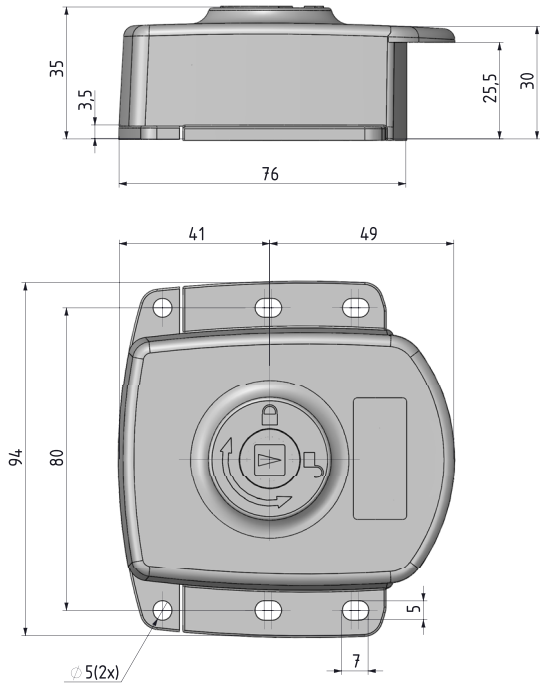
RoHS



- Outside locking system provides safety for pressurised doors
- For logo application please contact Essentra

MATERIAL

BODY: Zamak DIN-EN 1774-ZnAl4Cu1  
DRIVER: Zamak DIN-EN 1774-ZnAl4Cu1



| MATERIAL | M | FINISH        | F |
|----------|---|---------------|---|
| Zamak    | 1 | Chrome plated | 1 |
|          |   | Black coated  | 2 |

| Group Code | Body | Driver | Driver No |
|------------|------|--------|-----------|
| 612        | 1 2  | 1 F    | DD        |

For drivers please check page: 194

## MISCELLANEOUS PRODUCTS

### HVAC LOCK 'T' HANDLE

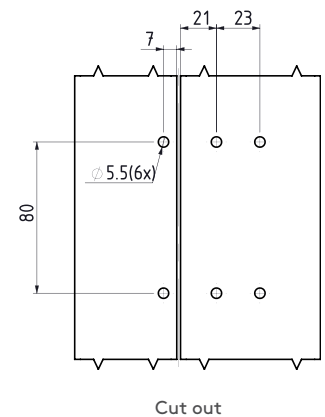
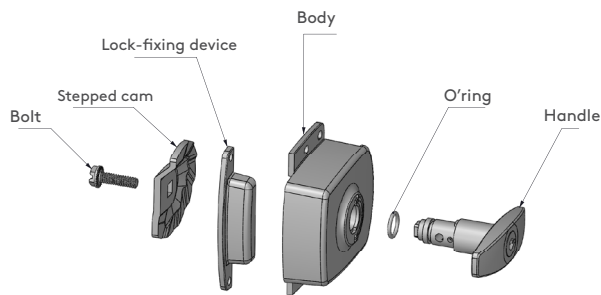
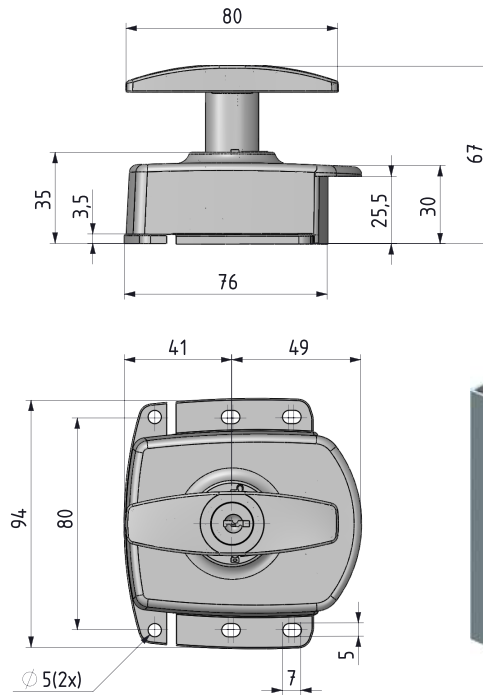
612



- Outside locking system provides safety for pressurised doors

#### MATERIAL

**BODY:** Zamak DIN-EN 1774-ZnAl4Cu1  
**HANDLE:** Zamak DIN-EN 1774-ZnAl4C or PA6 GFR 30



| CYLINDER | SPECIFICATIONS                                  | DD |
|----------|-------------------------------------------------|----|
|          | No Cylinder                                     | 00 |
|          | Keyed alike (Stainless steel dust cap)          | 03 |
|          | Keyed differ (Stainless steel dust cap)         | 32 |
|          | Euro key (5333)                                 | 05 |
|          | CH751 (Stainless steel dust cap)Euro key (5333) | 07 |

| MATERIAL | M | FINISH        | F |
|----------|---|---------------|---|
| Zamak    | 1 | Chrome plated | 1 |
|          |   | Black coated  | 2 |
| Plastic  | 2 | No finish     | 0 |

| Group Code | Handle | Body | Handle | Cylinder |
|------------|--------|------|--------|----------|
| 612        | 110    | 1 2  | M F    | DD       |

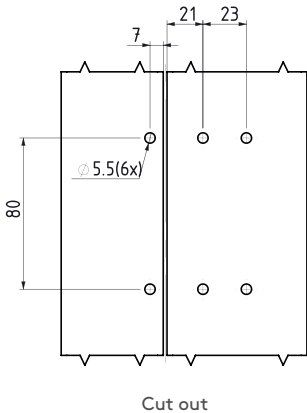
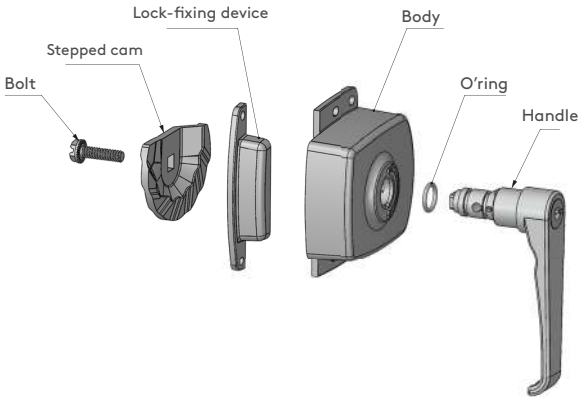
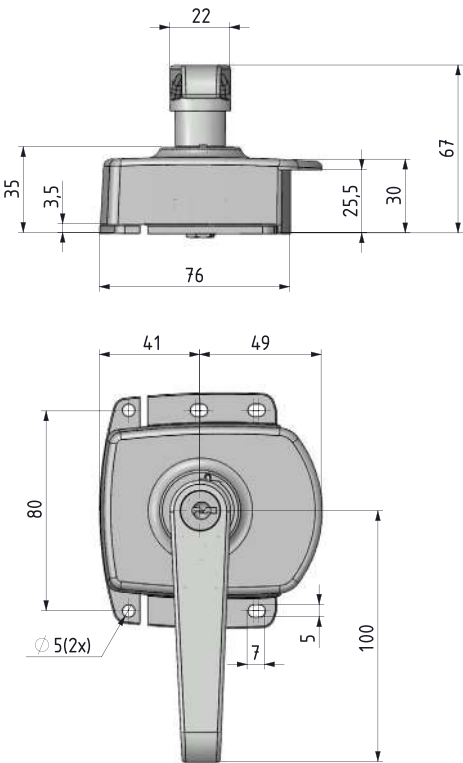
612

HVAC LOCK 'L' HANDLE



• Outside locking system provides safety for pressurised doors

BODY: Zamak DIN-EN 1774-ZnAl4Cu1  
HANDLE: Zamak DIN-EN 1774-ZnAl4C or PA6 GFR 30

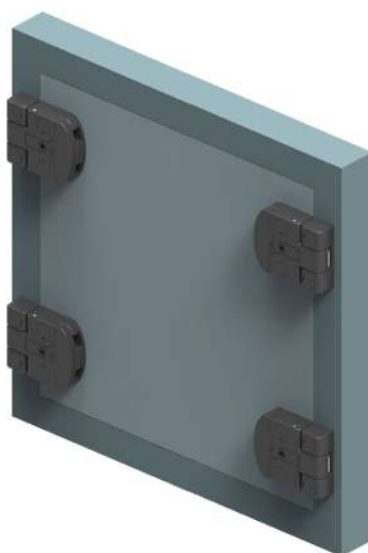


| CYLINDER | SPECIFICATIONS                                  | DD |
|----------|-------------------------------------------------|----|
|          | No Cylinder                                     | 00 |
|          | Keyed alike (Stainless steel dust cap)          | 03 |
|          | Keyed differ (Stainless steel dust cap)         | 32 |
|          | Euro key (5333)                                 | 05 |
|          | CH751 (Stainless steel dust cap)Euro key (5333) | 07 |

| MATERIAL | M | FINISH        | F |
|----------|---|---------------|---|
| Zamak    | 1 | Chrome plated | 1 |
|          |   | Black coated  | 2 |
| Plastic  | 2 | No finish     | 0 |

| Group Code | Handle | Body | Handle | Cylinder |
|------------|--------|------|--------|----------|
| 612        | 111    | 1    | 2 M F  | DD       |

FUNCTIONAL LOCKING HINGE



**Assembly:**

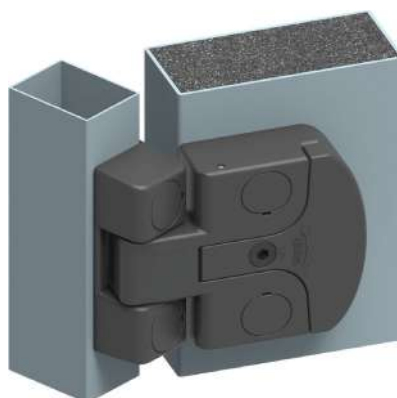
Functional locking hinge can be mounted left or right side of the door.

One side function as a hinge the other function as a lock

**Right cover application:**  
right hinge - left lock

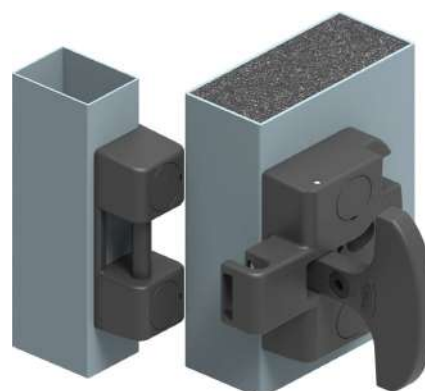


**Left cover application:**  
left hinge - right lock



**Removing the door**

- Lift the handle
- Remove the door.





712

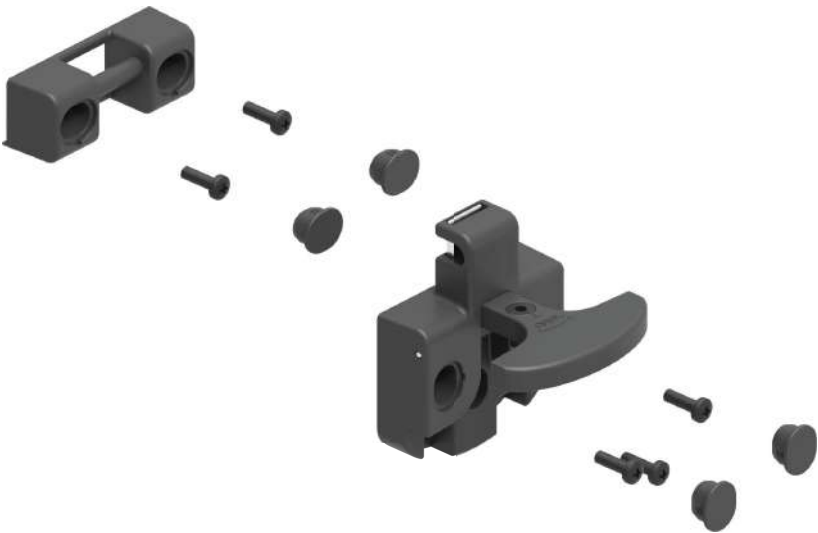
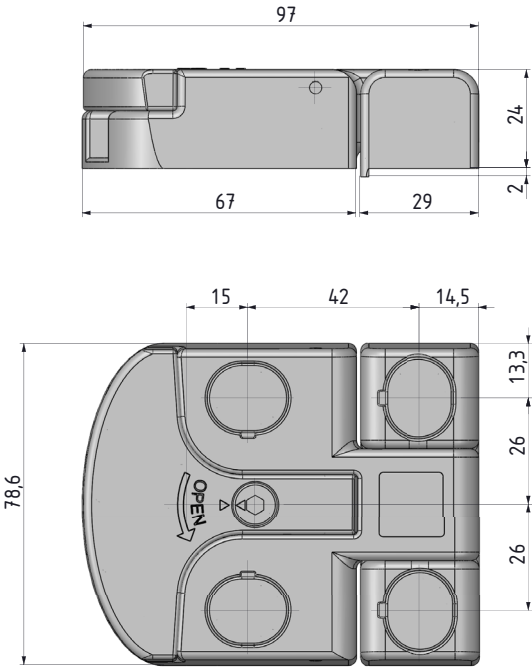
FUNCTIONAL LOCKING HINGE



- Lock can also be used as hinge
- Door can be completely removed by unlocking the both products

**MATERIAL**  
BODY: Polyamide DIN-EN ISO 1043-1 PA6 GFR 30  
HANDLE: Polyamide DIN-EN ISO 1043-1 PA6 GFR 30  
DRIVER: Steel  
CATCH PLATE: Polyamide DIN-EN ISO 1043-1 PA6 GFR 30

**!**  
This product can be produced as anti-bacterial with PA6 GFR 30% + 6% content. The raw material used has been tested in the DIN EN ISO 846 standard.



| Group Code | Material | Finish |
|------------|----------|--------|
| 712        | 2        | 0      |



# MISCELLANEOUS PRODUCTS

## CLAMPS (3D)

078

RoHS

ANTI-BACTERIAL

L I R



- Available in all die-cast zinc alloy
- 3D capability
- High mechanical resistance

### MATERIAL

BODY: Zamak DIN-EN 1774-ZnAl4Cu1 or PA6 GFR 30

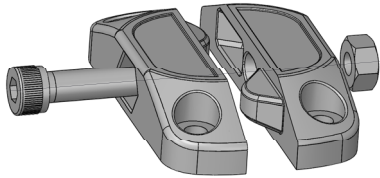
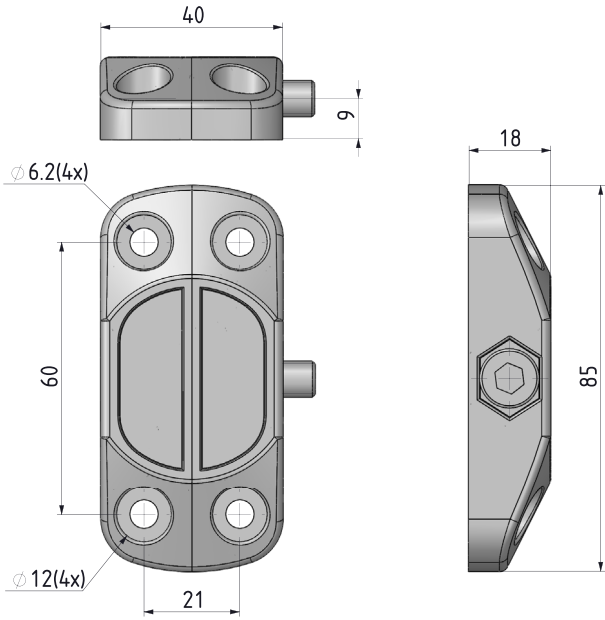
BOLT: Steel  
NUT: Steel

### FINISH

Zinc plated or black coated

 **Note:** Bolts are not supplied

 This product can be produced as anti-bacterial with PA6 GFR 30% + 6% content. The raw material used has been tested in the DIN EN ISO 846 standard.



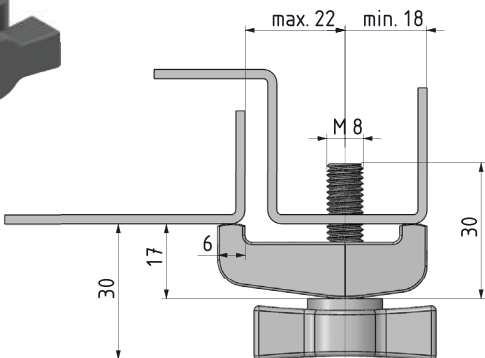
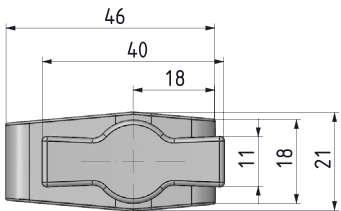
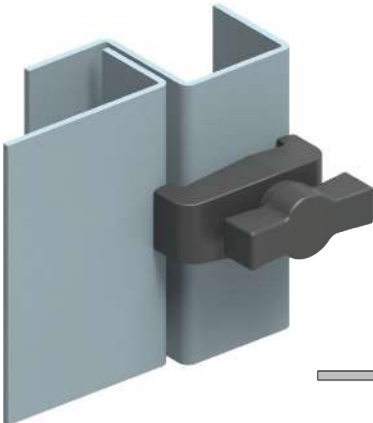
| Group Code | Material | Finish |
|------------|----------|--------|
| 078        | M        | F      |

| MATERIAL | M | FINISH        | F |
|----------|---|---------------|---|
| Zamak    | 1 | Chrome plated | 1 |
|          |   | Black coated  | 2 |
| Plastic  | 2 | No finish     | 0 |

462

BRIDGE CLAMP SYSTEM

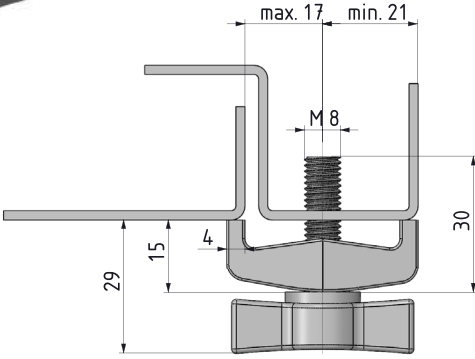
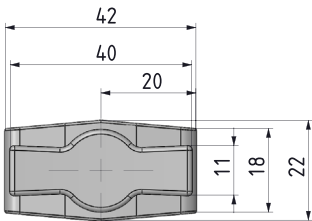
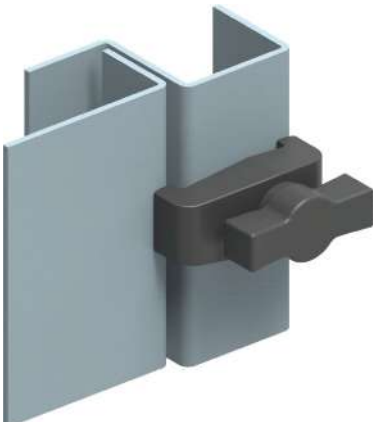
V: 1



**MATERIAL**  
HOUSING: PA6 GFR 30  
KNOB: PA6 GFR 30  
SCREW: Steel

**!**  
This product can be produced as anti-bacterial with PA6 GFR 30% + 6% content. The raw material used has been tested in the DIN EN ISO 846 standard.

V: 2



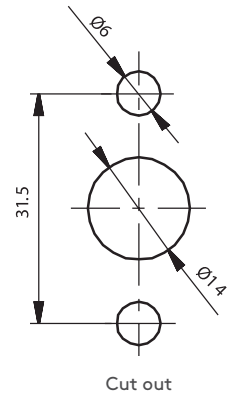
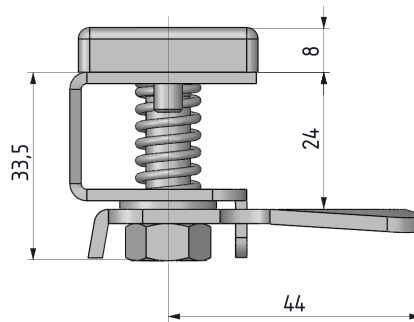
| Group Code | Version |
|------------|---------|
| 462        | V       |



MISCELLANEOUS PRODUCTS

PANEL LOCK WITH  
HEXAGONAL HEAD

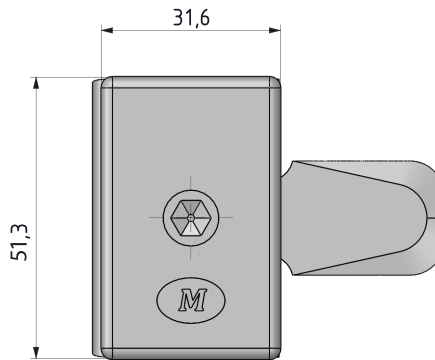
075



Cut out

MATERIAL

BODY: Steel  
CAM: Steel  
COVER: Plastic



ALLEN KEY

669-66



| Group Code | Door Direction |
|------------|----------------|
| 075        |                |

| DOOR DIRECTION |     |
|----------------|-----|
| Right hand     | 001 |
| Left hand      | 002 |

3501

EMERGENCY STOP BUTTON

IP 65



- Easy to install
- Different contact options (max. 3 contact)
- Standard wire length is 2.5 m  
Standard conduit length is 2 m

MATERIAL

BOWL: Polyamid DIN-EN ISO 1043-1 PA6 GFR 30

PROTECTIVE COVER: PVC

GASKET: EPDM

SPIRAL CONDUIT: PA6

CABLE GLAND: PA66

BUTTON SPECIFICATIONS

Mechanical Life : 500.000 operations min.

Electrical Life : 100.000 operations min.

Operating Temperature : min./max. °C -5/+40

Protection Degree : IP65

Operating Frequency : Without load 3000

oper./hour - At full load 1200 oper./hour

Rated Operating Voltage Ue : 230 V AC

Rated Operating Current Ie : 4 A

Insulation Voltage Ui : 300 V

Stroke Resistance Voltage Uimp : 2.5 kV

Standard Contact Material : AgNi

Insulation Resistance : 10 MΩ min. (500 V DC)

Dielectrical Strength :

Between body-contact: 2000 V AC

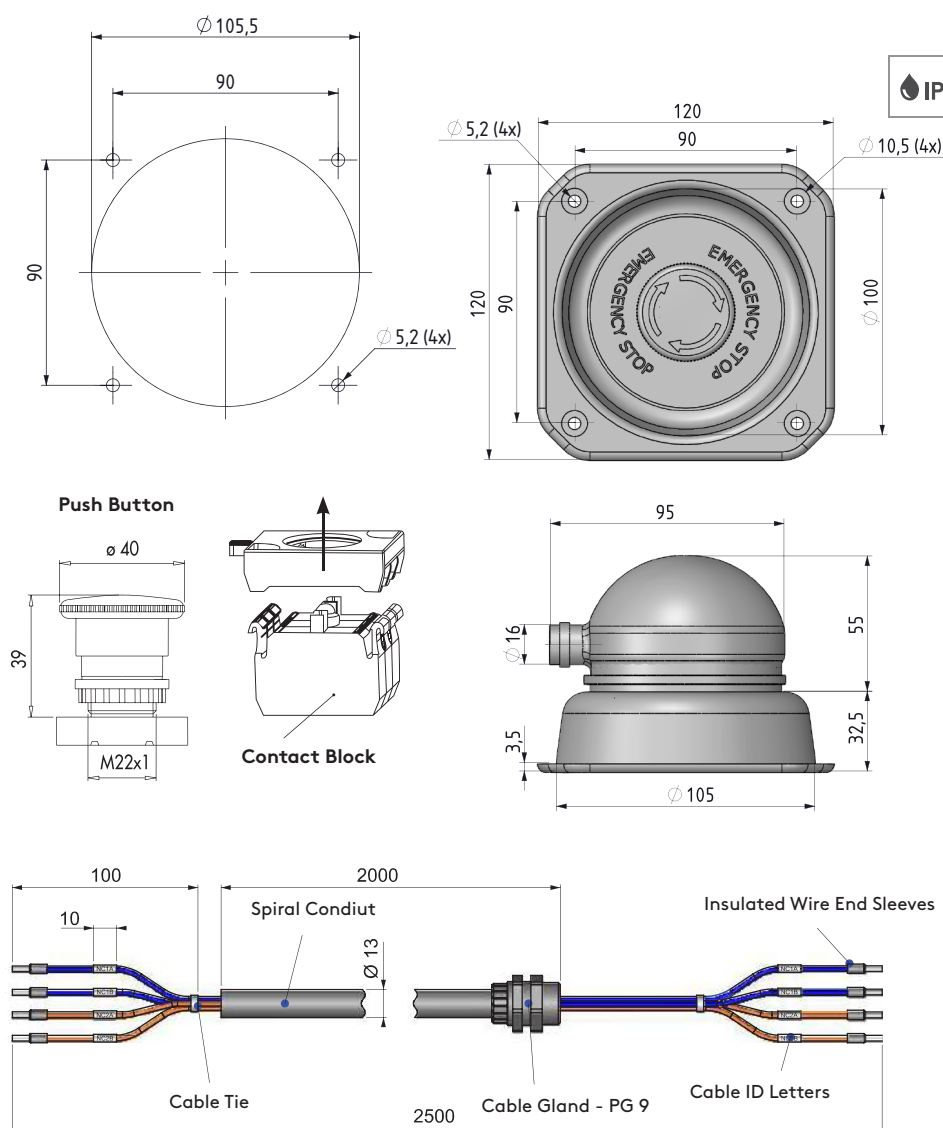
Open contact : 1500 V AC

Connection Cable Cross-Section :

1.5-2.5 mm<sup>2</sup>

Standard : UL 508/TS EN 60947-5-1/

VDE0660/IEC 60393-1



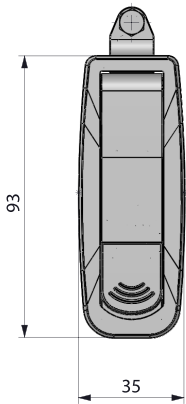
| Contact Block Type |                 | Product Code |          |
|--------------------|-----------------|--------------|----------|
| Normally Open      | Normally Closed | LED          | 3501.V   |
|                    |                 |              |          |
| -                  | 1               | -            | 3501.1   |
| -                  | 2               | -            | 3501.2   |
| 1                  | 1               | -            | 3501.3   |
| 1                  | -               | -            | 3501.4   |
| 2                  | -               | -            | 3501.5   |
| -                  | 1               | Fixed        | 3501.1.1 |
| -                  | 1               | Flash        | 3501.1.2 |
| -                  | 2               | Fixed        | 3501.2.1 |
| -                  | 2               | Flash        | 3501.2.2 |
| 1                  | 1               | Fixed        | 3501.3.1 |
| 1                  | 1               | Flash        | 3501.3.2 |
| 1                  | -               | Fixed        | 3501.4.1 |
| 1                  | -               | Flash        | 3501.4.2 |
| 2                  | -               | Fixed        | 3501.5.1 |
| 2                  | -               | Flash        | 3501.5.2 |



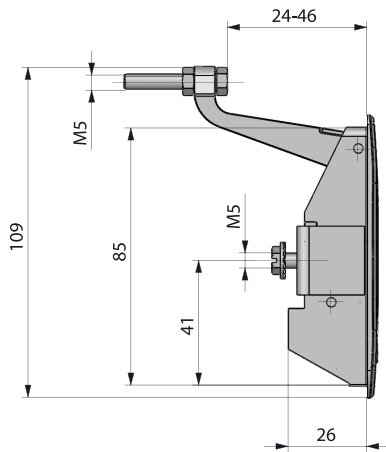
# MISCELLANEOUS PRODUCTS

## COMPRESSION TRIGGER LOCK

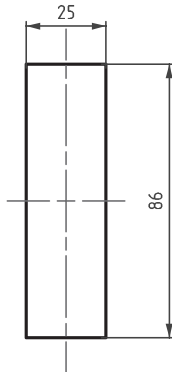
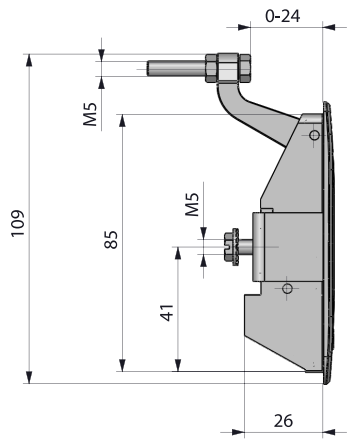
077



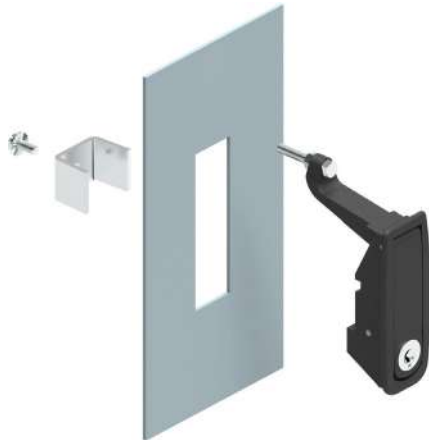
V:1



V:2



Cut out



- Flush trigger design
- Available with or without cylinder
- 0-24mm or 24-46mm adjustable grip range
- Suitable for panel thickness of  $\leq 2\text{mm}$
- Assemble lock with one fixing bracket

### MATERIAL

BODY: Zamak DIN-EN 1774-ZnAl4Cu1  
HANDLE: Zamak DIN-EN 1774-ZnAl4Cu1  
FIXING BRACKET: Steel

| SPECIFICATIONS                          | DD |
|-----------------------------------------|----|
| No cylinder                             | 00 |
| Keyed alike (Stainless steel dust cap)  | 03 |
| Keyed differ (Stainless steel dust cap) | 32 |
| Euro key (5333)                         | 05 |
| CH751 (Stainless steel dust cap)        | 07 |

| FINISH        | F |
|---------------|---|
| Chrome plated | 1 |
| Black coated  | 2 |

| Group Code | Version | Finish | Cylinder |
|------------|---------|--------|----------|
| 077        | V       | F      | DD       |

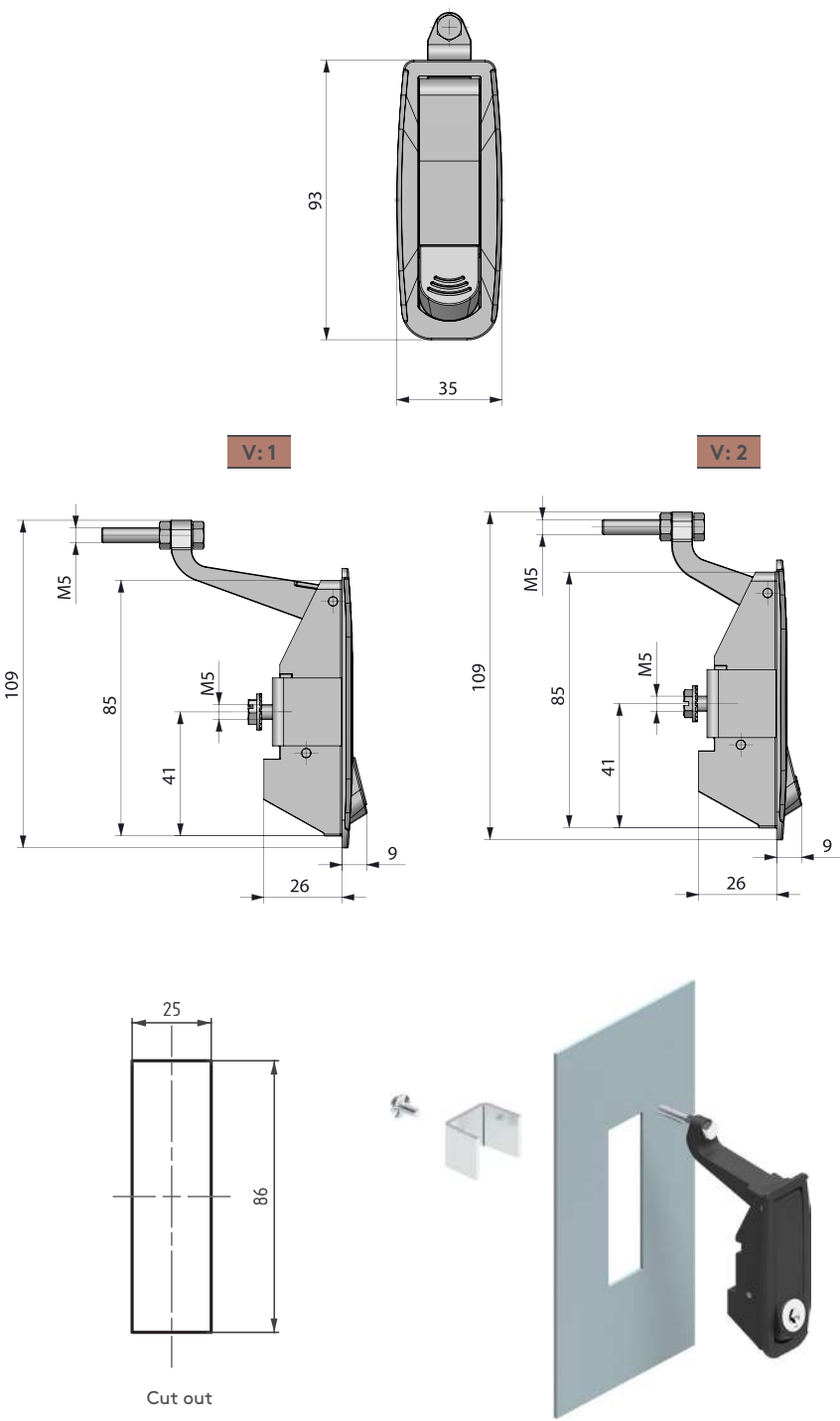
177

COMPRESSION TRIGGER LOCK



- Raised trigger design
- Available with or without cylinder
- 0-24mm or 24-46mm adjustable grip range
- Suitable for panel thickness of  $\leq 2\text{mm}$
- Assemble lock with one fixing bracket

**MATERIAL**  
BODY: Zamak DIN-EN 1774-ZnAl4Cu1  
HANDLE: Zamak DIN-EN 1774-ZnAl4Cu1  
FIXING BRACKET: Steel



| SPECIFICATIONS                          |  | DD |
|-----------------------------------------|--|----|
| No cylinder                             |  | 00 |
| Keyed alike (Stainless steel dust cap)  |  | 03 |
| Keyed differ (Stainless steel dust cap) |  | 32 |
| Euro key (5333)                         |  | 05 |
| CH751 (Stainless steel dust cap)        |  | 07 |

| FINISH        |  | F |
|---------------|--|---|
| Chrome plated |  | 1 |
| Black coated  |  | 2 |

| DRIVER |  |
|--------|--|
| Slot   |  |
| DD     |  |
| 42     |  |

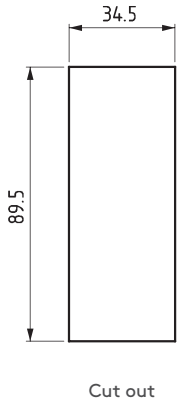
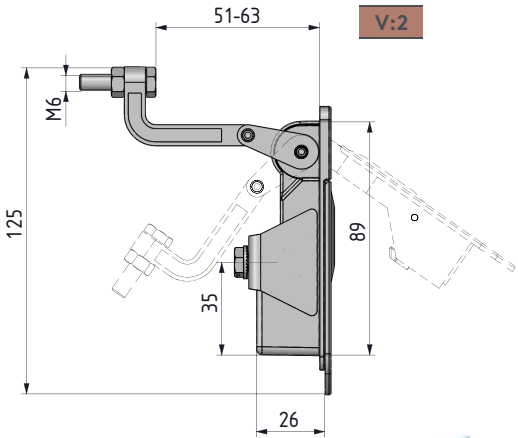
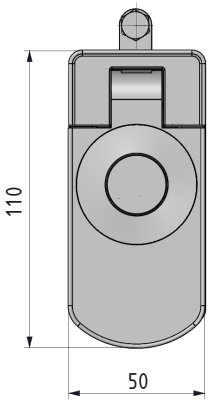
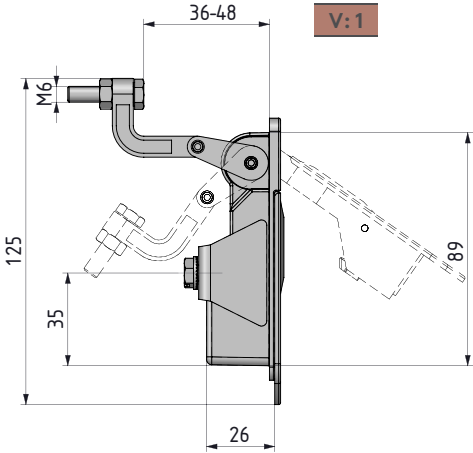
|            |         |        |                 |
|------------|---------|--------|-----------------|
| Group Code | Version | Finish | Cylinder Driver |
| 177        | V       | F      | DD              |



# MISCELLANEOUS PRODUCTS

## COMPRESSION TRIGGER LOCK

377



- Available with or without cylinder
- 36 - 48 mm or 51 - 63 mm adjustable grip range
- Suitable for maximum 2 mm door thickness
- Assemble by only one bracket

**MATERIAL**  
BODY: Zamak DIN-EN 1774-ZnAl4Cu1  
HANDLE: Zamak DIN-EN 1774-ZnAl4Cu1  
FIXING BRACKET: Steel

| CYLINDER                                |  | DD |
|-----------------------------------------|--|----|
| No cylinder                             |  | 00 |
| Keyed alike (Stainless steel dust cap)  |  | 03 |
| Keyed differ (Stainless steel dust cap) |  | 32 |
| Euro key (5333)                         |  | 05 |
| CH751 (Stainless steel dust cap)        |  | 07 |

| FINISH        |  | F |
|---------------|--|---|
| Chrome plated |  | 1 |
| Black coated  |  | 2 |

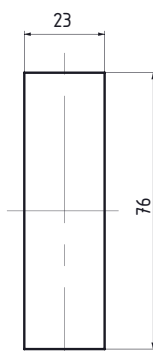
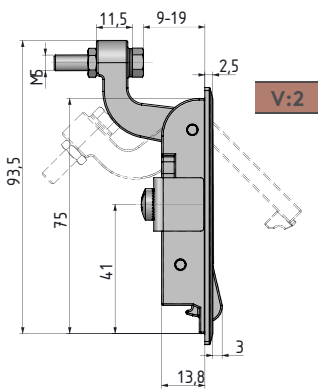
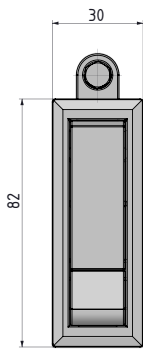
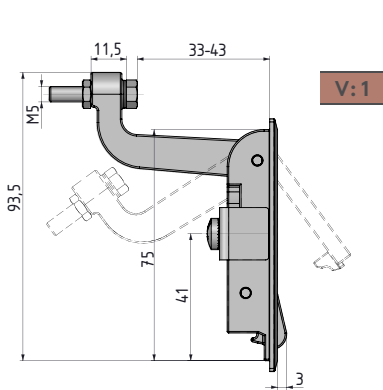
| DRIVER |  |
|--------|--|
| Slot   |  |
| DD     |  |
| 42     |  |

| Group Code | Version | Finish | Cylinder |
|------------|---------|--------|----------|
| 377        | V       | F      | DD       |



477

COMPRESSION TRIGGER LOCK



Cut out



- Without cylinder application
- 9 - 19 mm or 33 - 43 mm adjustable grip range.
- Suitable for maximum 2 mm door thickness
- Assemble by only one bracke

MATERIAL

BODY: Zamak DIN-EN 1774-ZnAl4Cu1  
HANDLE: Zamak DIN-EN 1774-ZnAl4Cu1  
FIXING BRACKET: Steel

| FINISH        | F |
|---------------|---|
| Chrome plated | 1 |
| Black coated  | 2 |

| Group Code | Version | Finish | Cylinder |
|------------|---------|--------|----------|
| 477        | V       | F      | 00       |

## LIFT-AND-TURN LOCK

170

ALL IN METAL



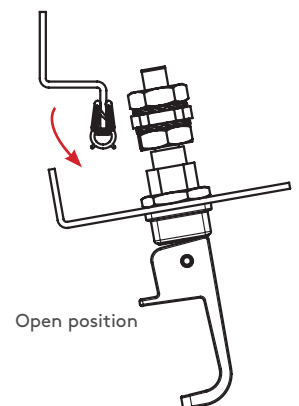
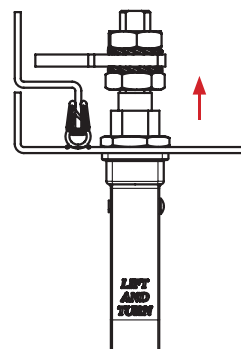
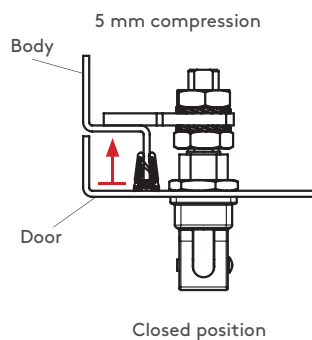
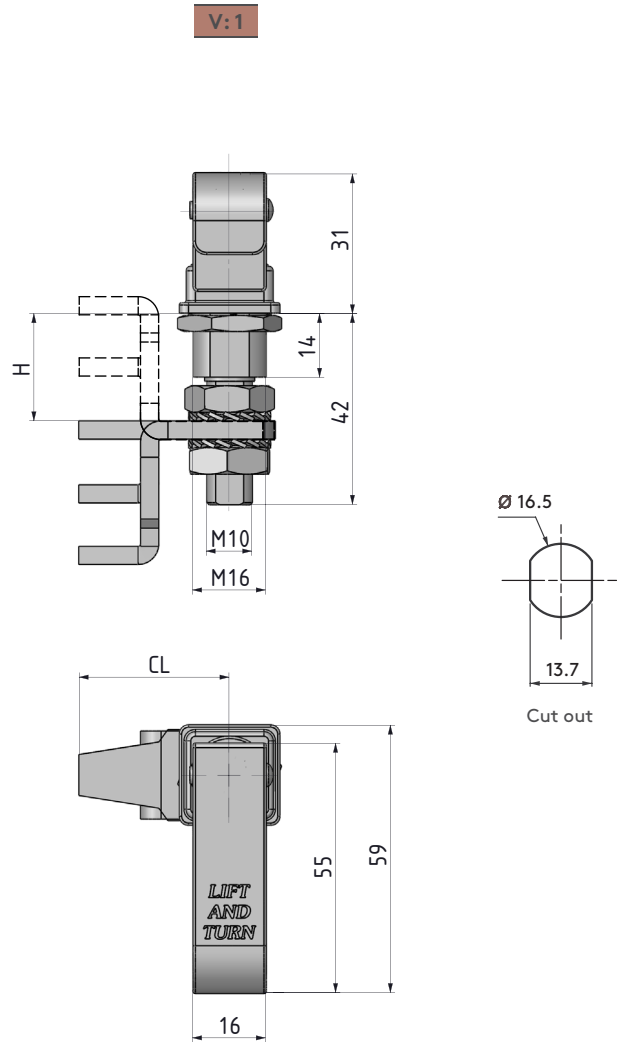
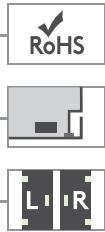
- For cabinets that require better sealing under vibrating conditions
- Provides 5 mm of compression
- Provides noise isolation
- Three cam alternatives available

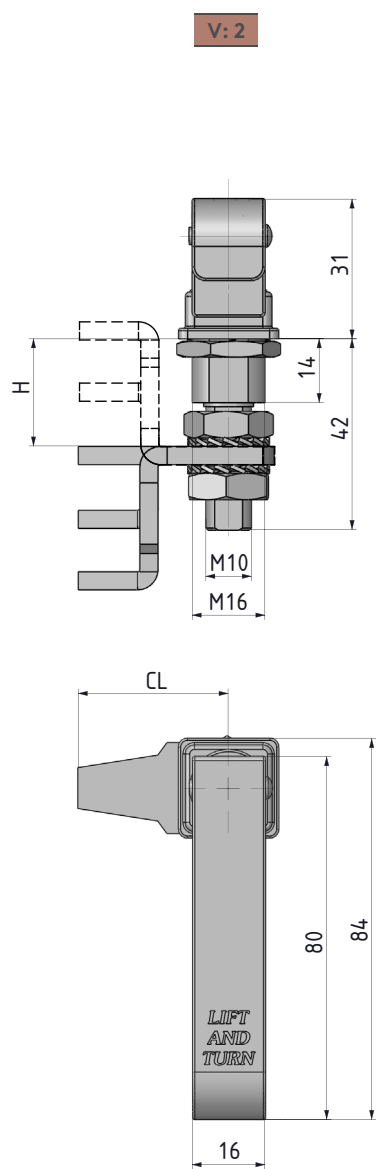
### MATERIAL

HOUSING: Zamak DIN-EN 1774-ZnAl4Cu1  
HANDLE: Zamak DIN-EN 1774-ZnAl4Cu1  
CAM: Steel

### FINISH

Chrome plated or black coated

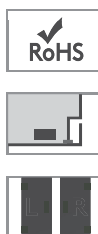




170

LIFT-AND-TURN LOCK

ALL IN METAL



- For cabinets that require better sealing under vibrating conditions
- Lock provides 5 mm of compression
- Provides noise isolation
- Three cam alternatives available

MATERIAL

HOUSING: Zamak DIN-EN 1774-ZnAl4Cu1  
HANDLE: Zamak DIN-EN 1774-ZnAl4Cu1  
CAM : Steel

FINISH

Chrome plated or black coated

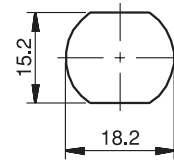
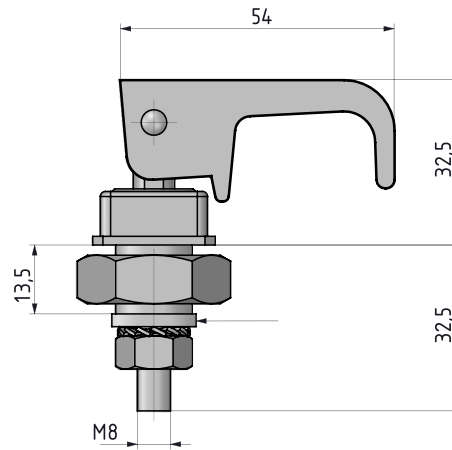
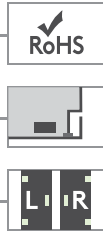
| CAM | CC | CH   | CL | H GRIP  |         |
|-----|----|------|----|---------|---------|
|     |    |      |    | MIN CAM | MAX CAM |
| 1   | 01 | 0    | 33 | 22.5    | 30      |
| 2   | 02 | 14   | 33 | 8.5     | 44      |
| 3   | 03 | 27.5 | 33 | 0       | 57.5    |

| FINISH        | F |
|---------------|---|
| Chrome plated | 1 |
| Black coated  | 2 |

| Group Code | Version | Material | Finish | Cam |
|------------|---------|----------|--------|-----|
| 170        | V       | 1        | F      | CC  |

LIFT-AND - TURN LOCK

070



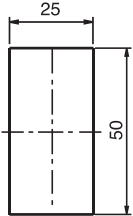
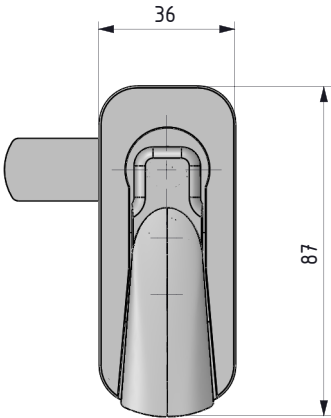
Cut out

- Suitable for steel and polyester panels
- Provides 5 mm of compression

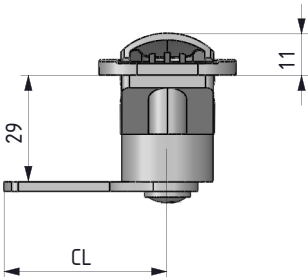
**MATERIAL**

BODY: Polyamide DIN-EN ISO 1043-1 PA6 GFR 30  
CAM: Steel

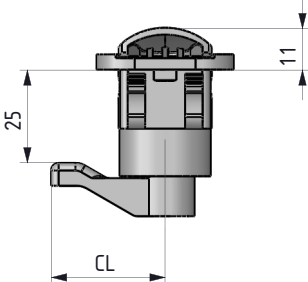




Cut out



Steel cam



Plastic cam  
CC: 80

V:1



V:2

Clip-in fixing



DT (DOOR THICKNESS)

| DT    |     |
|-------|-----|
| Min   | Max |
| 0.8mm | 2mm |

| Group Code | Version | Cam | Door Direction |
|------------|---------|-----|----------------|
| 072        | V       | CC  |                |

| DOOR DIRECTION |     |
|----------------|-----|
| Right hand     | 001 |
| Left hand      | 002 |

072

FUNCTIONAL LOCK



- Suitable for steel and polyester panels
- Standard cut out for both versions
- Clip fixing version suitable for panels with thickness of between 0.8 mm and 2 mm

MATERIAL

BODY: Polyamide DIN-EN ISO 1043-1 PA6 GFR 30

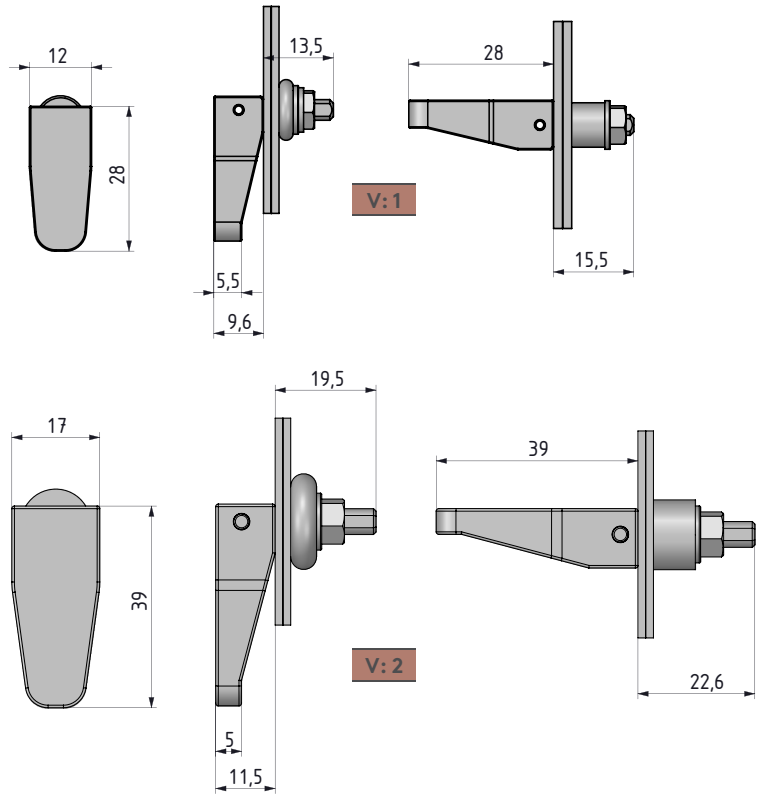
CAM: Steel or PA6 GFR 30

For cams please check page: 175 (CAM-1)



SWELL LOCK

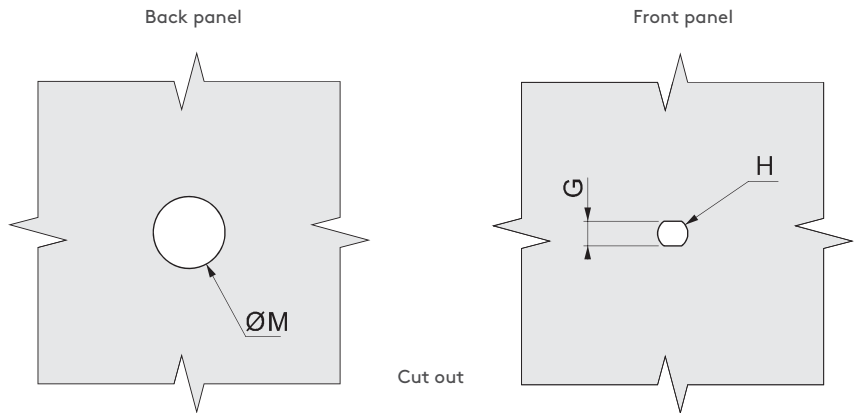
270



- Used for the cabinets that require better under vibration conditions.
- It is suitable with special cut out for different frame thickness.

**MATERIAL**

HANDLE: Polyamide DIN-EN ISO 1043-1 PA6 GFR 30  
BUSHING : SBR Rubber



| VERSION | G<br>+0.1<br>-0.0 | H<br>+0.1<br>-0.0 | FRAME THICKNESS | CUT OUT ØM |
|---------|-------------------|-------------------|-----------------|------------|
| 1       | 3.3               | 4.1               | 3.2             | 9.5        |
| 2       | 4.5               | 5.8               | Up to 3.2       | 13.5       |
|         |                   |                   | 3.2 - 4.8       | 14         |

| Group Code | Material | Finish | Version |
|------------|----------|--------|---------|
| 270        | 2        | 0      | V       |

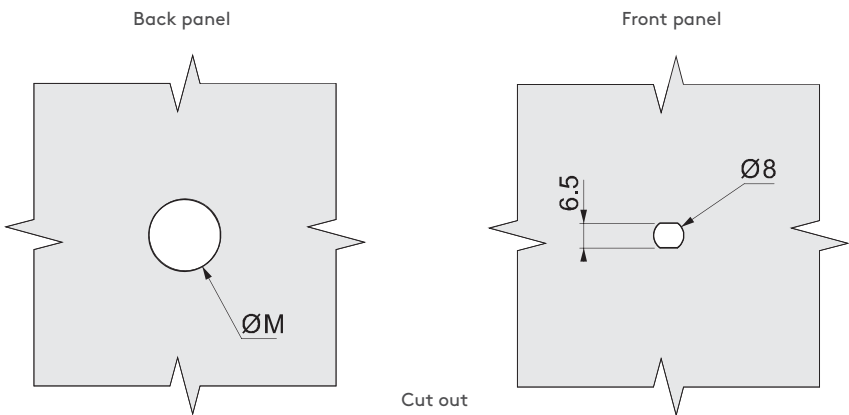
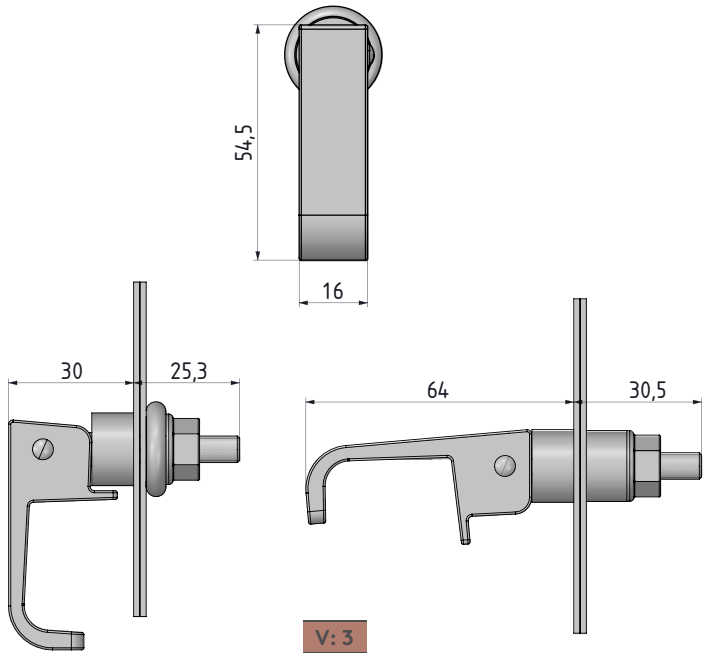
270

SWELL LOCK



- Used for the cabinets that require better under vibration conditions.
- It is suitable with special cut out for different frame thickness.

**MATERIAL**  
HANDLE: Zamak DIN-EN 1774-ZnAl4Cu1  
BUSHING : SBR Rubber



| FRAME THICKNESS | CUT OUT ØM |
|-----------------|------------|
| 1.2-3.2         | 19         |
| 3.2-4.8         | 19.5       |
| 4.8-6.4         | 20         |
| 6.4 and up      | 20.5       |

| Group Code | Material | Finish | Version |
|------------|----------|--------|---------|
| 270        | 1        | 2      | V       |

## ROTARY LATCH (MINI)

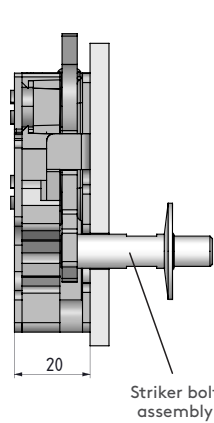
2800

### BOTTOM



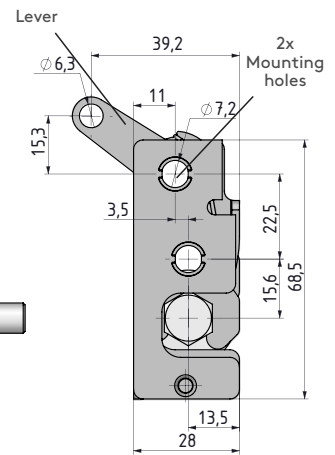
### Bumper Version

Dimensions are same as standard version except as shown



Striker bolt assembly

### Standard Version



(Left hand application)

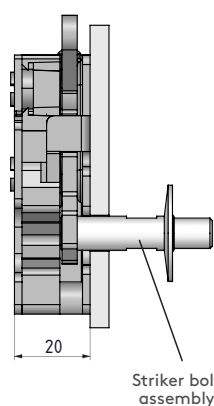
## ROTARY LATCH (MINI)

### TOP



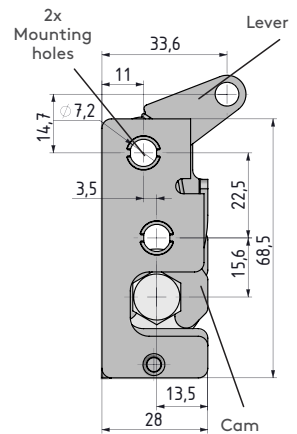
### Bumper Version

Dimensions are same as standard version except as shown



Striker bolt assembly

### Standard Version



(Left hand application)

- Six different lever type
- Single or two stage actuation type
- Bumper version for vibrating conditions

### MATERIAL

BODY: Steel  
BUMPER: PA6

### FINISH

Zinc Plated

| LEVER TYPE | LT |
|------------|----|
| Bottom     | 1  |
| Top        | 2  |

| MOUNTING TYPE | MT |
|---------------|----|
| Ø7,2          | 1  |
| M6            | 2  |
| 1/4"          | 3  |

| ACTUATION | A |
|-----------|---|
| Single    | 1 |
| Two       | 2 |

| VERSION  | V |
|----------|---|
| Standard | 1 |
| Bumper   | 2 |

| DOOR DIRECTION |     |
|----------------|-----|
| Right hand     | 001 |
| Left hand      | 002 |

| Group Code | Version | Lever Type | Mounting Type | Actuation | Door Direction |
|------------|---------|------------|---------------|-----------|----------------|
| 2800       | V       | LT         | MT            | A         |                |

For striker bolts check page : 153

For cables & accessories check page: 158-159

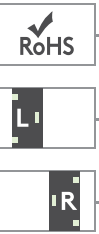
For locks check page: 192 - 271



2800

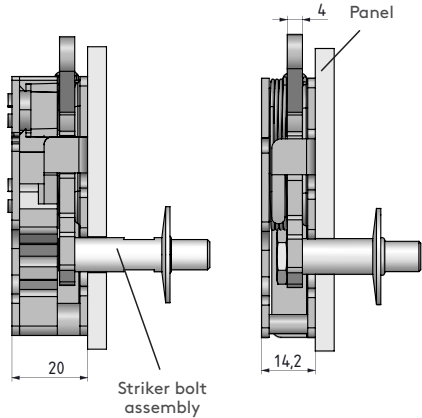
ROTARY LATCH (MINI)

IN LINE

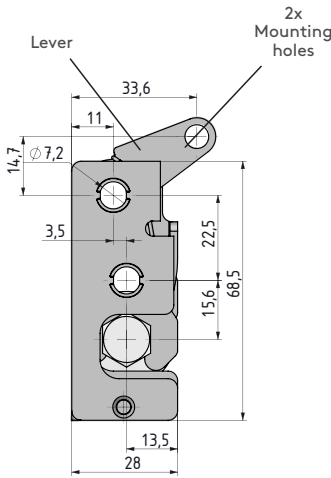


Bumper Version

Dimensions are same as standard version except as shown



Standard Version



(Left hand application)

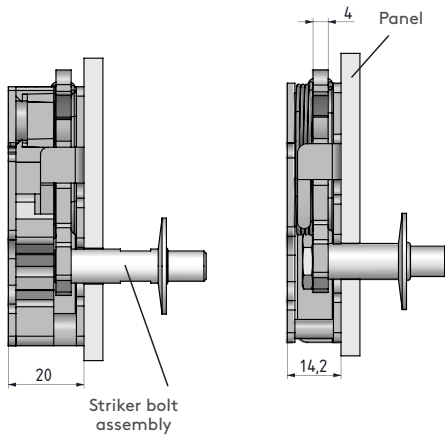
ROTARY LATCH (MINI)

HAND ACTUATION

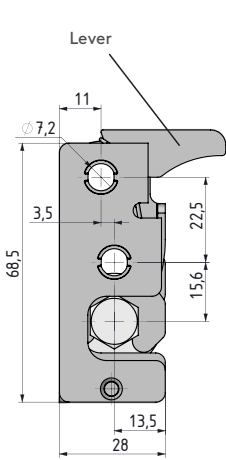


Bumper Version

Dimensions are same as standard version except as shown



Standard Version



(Left hand application)

- Six different lever type
- Single or two stage actuation type
- Bumper version for vibrating conditions

| LEVER TYPE     | LT |
|----------------|----|
| In Line        | 3  |
| Hand Actuation | 4  |

| MOUNTING TYPE | MT |
|---------------|----|
| Ø7,2          | 1  |
| M6            | 2  |
| 1/4"          | 3  |

| ACTUATION | A |
|-----------|---|
| Single    | 1 |
| Two       | 2 |

| VERSION  | V |
|----------|---|
| Standard | 1 |
| Bumper   | 2 |

| DOOR DIRECTION |     |
|----------------|-----|
| Right hand     | 001 |
| Left hand      | 002 |

| Group Code | Version | Lever Type | Mounting Type | Actuation | Door Direction |
|------------|---------|------------|---------------|-----------|----------------|
| 2800       | V       | LT         | MT            | A         |                |

**MATERIAL**  
BODY: Steel  
BUMPER: PA6

**FINISH**  
Zinc Plated

- For striker bolts check page : 153
- For cables & accessories check page: 158-159
- For locks check page: 192 - 271

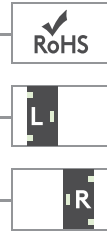


## MISCELLANEOUS PRODUCTS

### ROTARY LATCH (MINI)

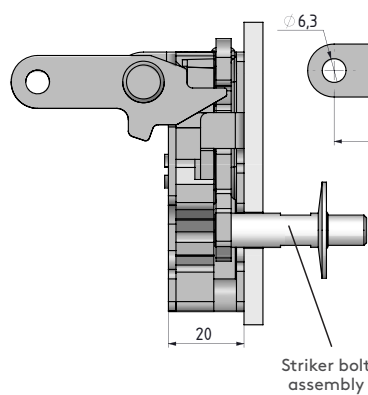
**2800**

#### PERPENDICULAR

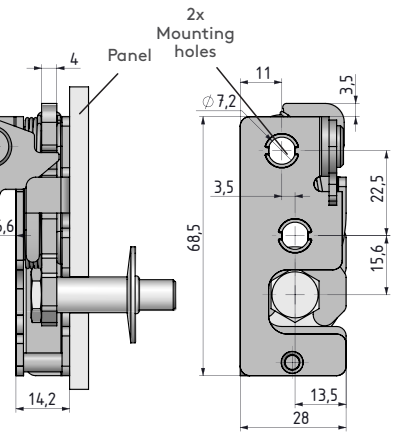


#### Bumper Version

Dimensions are same as standard version except as shown



#### STANDART VERSION



(Left hand application)

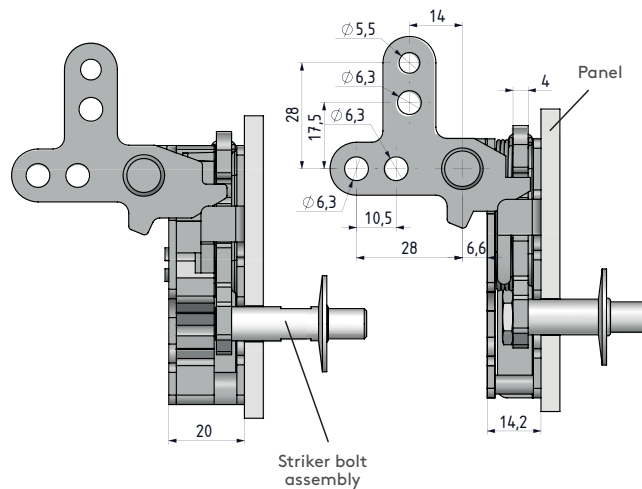
### ROTARY LATCH (MINI)

#### TWO POINT

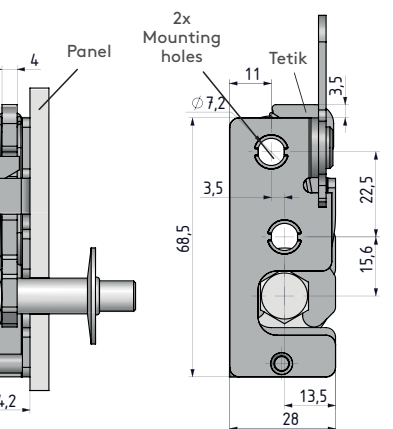


#### Bumper Version

Dimensions are same as standard version except as shown



#### STANDART VERSION



(Left hand application)

- Six different lever type
- Single or two stage actuation type
- Bumper version for vibrating conditions

**MATERIAL**  
BODY: Steel  
BUMPER: PA6

**FINISH**  
Zinc Plated



For striker bolts check page : 153



For cables & accessories check page: 158-159



For locks check page: 192 - 271

| LEVER TYPE    | LT |
|---------------|----|
| Perpendicular | 5  |
| Two Point     | 6  |

| MOUNTING TYPE | MT |
|---------------|----|
| Ø7,2          | 1  |
| M6            | 2  |
| 1/4"          | 3  |

| ACTUATION | A |
|-----------|---|
| Single    | 1 |
| Two       | 2 |

| VERSION  | V |
|----------|---|
| Standard | 1 |
| Bumper   | 2 |

| DOOR DIRECTION |     |
|----------------|-----|
| Right hand     | 001 |
| Left hand      | 002 |

| Group Code | Version | Lever Type | Mounting Type | Actuation | Door Direction |
|------------|---------|------------|---------------|-----------|----------------|
| 2800       | V       | LT         | MT            | A         |                |

SB.1

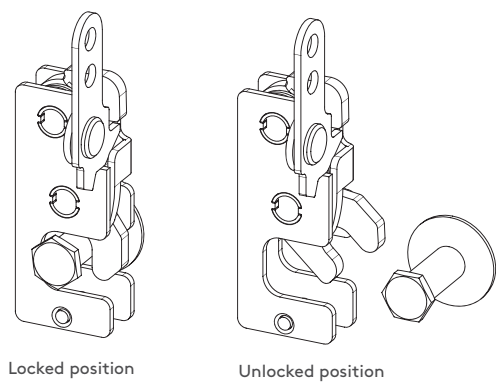
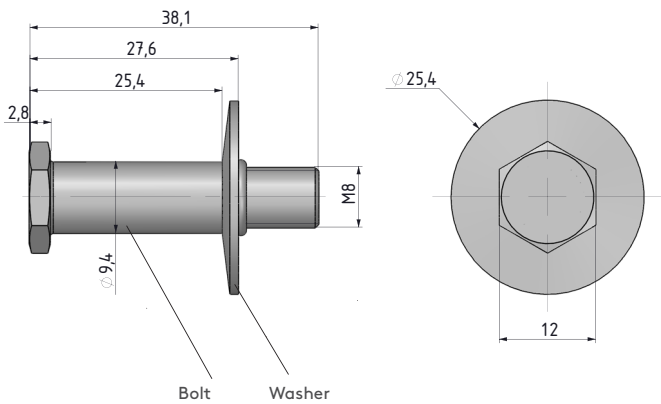
STRIKER BOLT (MINI)

Standard Version



MATERIAL  
BODY: Steel

FINISH  
Zinc Plated



SB.2

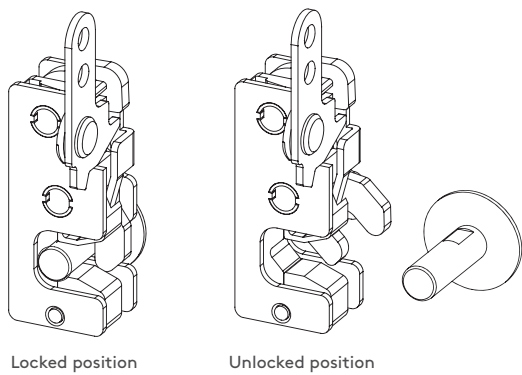
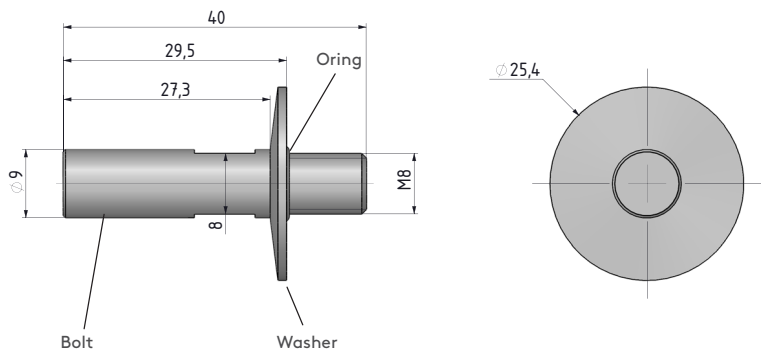
STRIKER BOLT (MINI)

Bumper Version



MATERIAL  
BODY: Steel

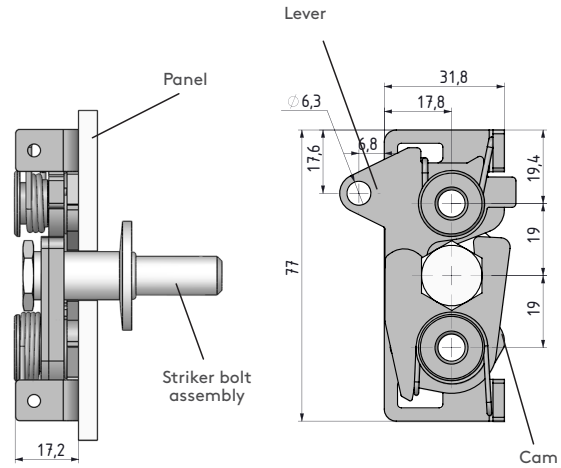
FINISH  
Zinc Plated



**ROTARY LATCH (LARGE)**

**2810**

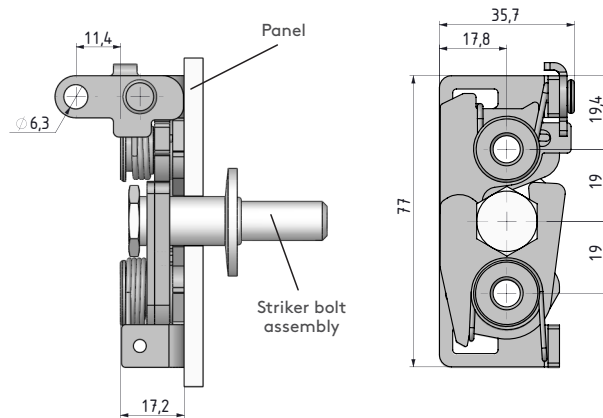
**BOTTOM**



(Left hand application)

**ROTARY LATCH (LARGE)**

**PERPENDICULAR**



(Left hand application)

- Three different lever type
- Two stage actuation type

**MATERIAL**  
BODY: Steel

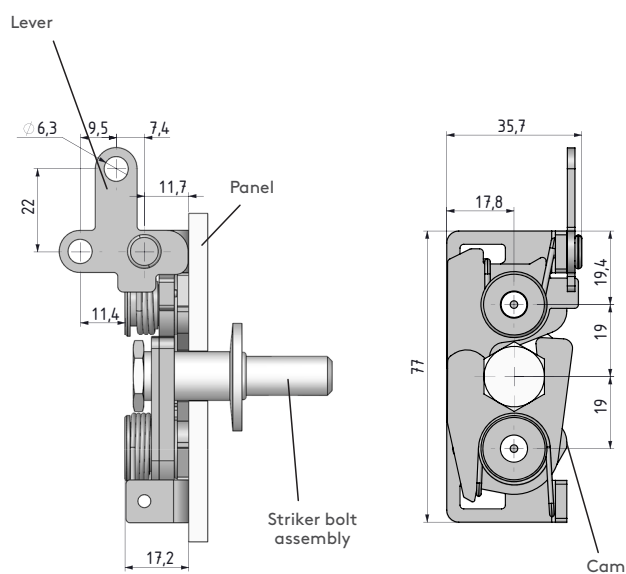
**FINISH**  
Zinc Plated

| LEVER TYPE    | LT |
|---------------|----|
| Top           | 1  |
| Perpendicular | 2  |
| Two Point     | 3  |

| MOUNTING TYPE | MT |
|---------------|----|
| Ø7,2          | 1  |
| M6            | 2  |
| 1/4"          | 3  |

- For striker bolts please check page :155
- For cables & accessories check page: 158-159
- For locks check page: 192 - 271

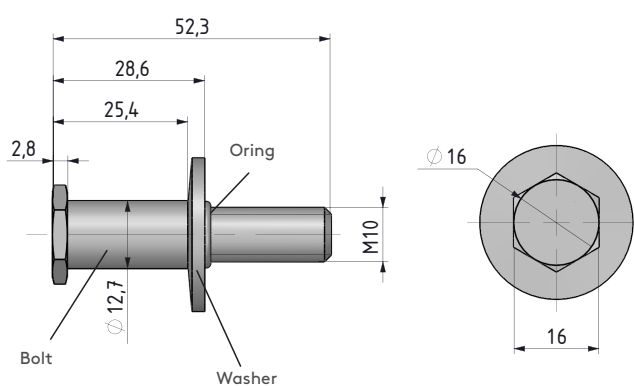
| Group Code  | Lever Type | Mounting Type | Door Direction |
|-------------|------------|---------------|----------------|
| <b>2810</b> | <b>LT</b>  | <b>MT</b>     |                |



2810

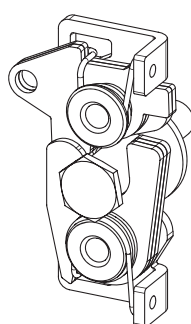
ROTARY LATCH (LARGE)

TWO POINT

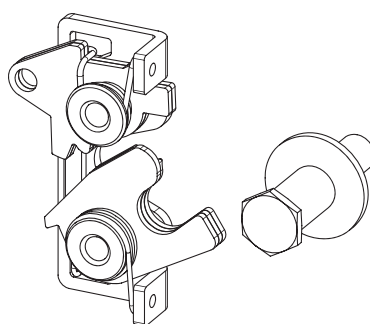


SB.3

STRIKER BOLT (LARGE)



Locked position



Unlocked position

**MATERIAL**  
BODY: Steel

**FINISH**  
Zinc Plated

For cables & accessories check page: 158 - 158

For locks check page: 192 - 271



ELECTRONIC ROTARY LATCH

3331



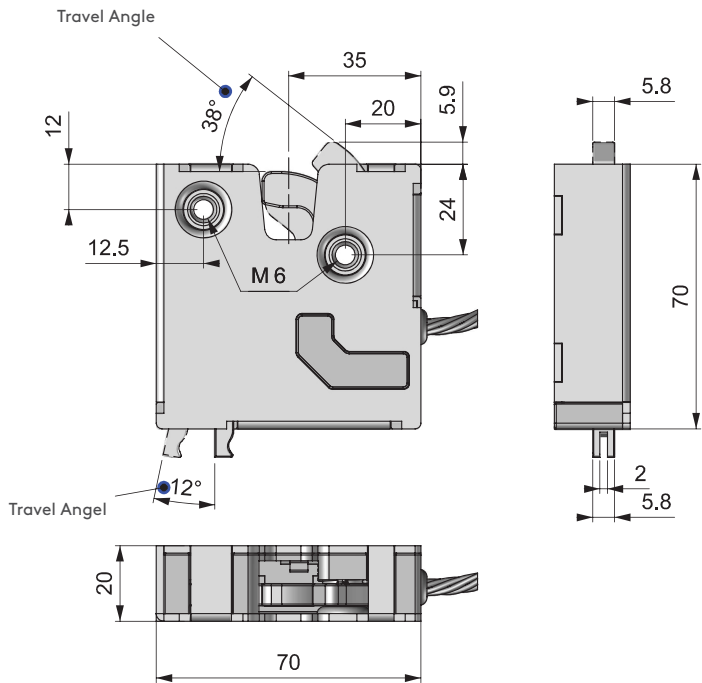
- Push to Close
- Mechanical override
- Stainless steel cam and trigger
- Integrated microswitch for lock status
- Microprocessor controlled gear motor
- Compatible with access control systems

MATERIALS

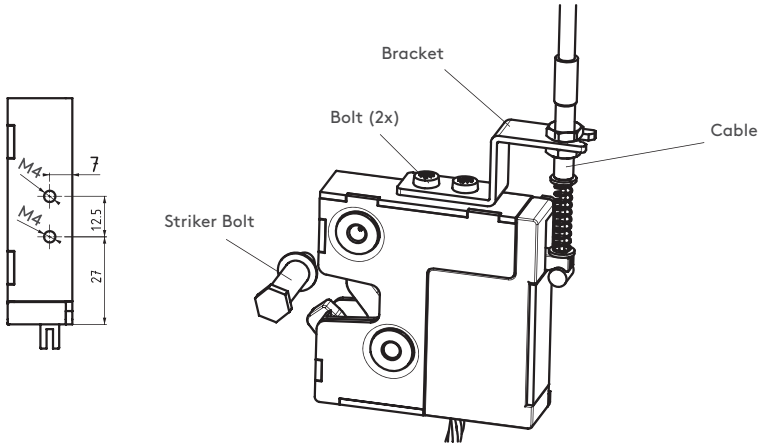
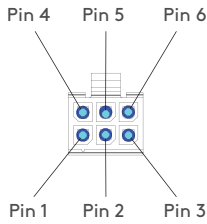
BODY: Steel and PA6 GFR 30  
CAM: Stainless Steel

TECHNICAL SPECIFICATIONS

Operating Voltage : 9 - 24 Volt  
Cable Length : 150 mm  
Current : Max 500 MA



| PIN   | COLOR  | VALUE           |
|-------|--------|-----------------|
| Pin 1 | Black  | GND             |
| Pin 2 | Green  | 12 Volt DC      |
| Pin 3 | Orange | Signal          |
| Pin 4 | Red    | Microswitch COM |
| Pin 5 | Blue   | Microswitch NO  |
| Pin 6 | Brown  | Microswitch NC  |

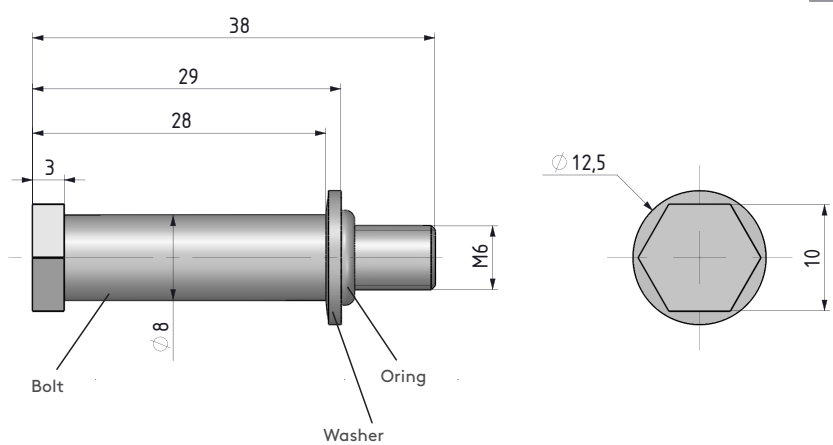


| Group Code | Mounting Type |
|------------|---------------|
| 3331       | MT            |

| MOUNTING TYPE | MT |
|---------------|----|
| Ø7,2          | 1  |
| M6            | 2  |
| 1/4"          | 3  |

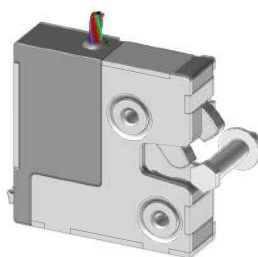
SB.4

STRIKER BOLT

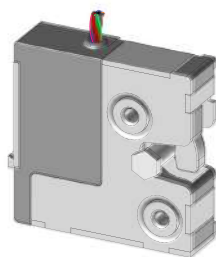


**MATERIAL**  
BODY: Steel

**FINISH**  
Zinc Plated



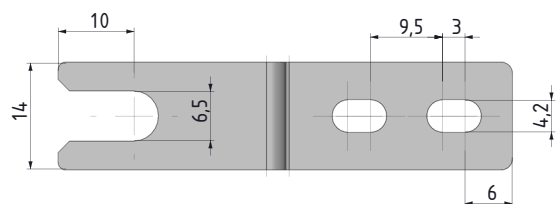
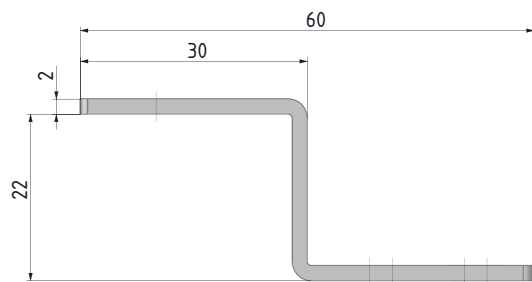
Locked position



Unlocked position

321.03.068

CABLE MOUNTING BRACKET



**MATERIAL**  
BODY: Steel

**FINISH**  
Zinc Plated

For cables & accessories check page: 158-159

For locks check page: 192 - 271



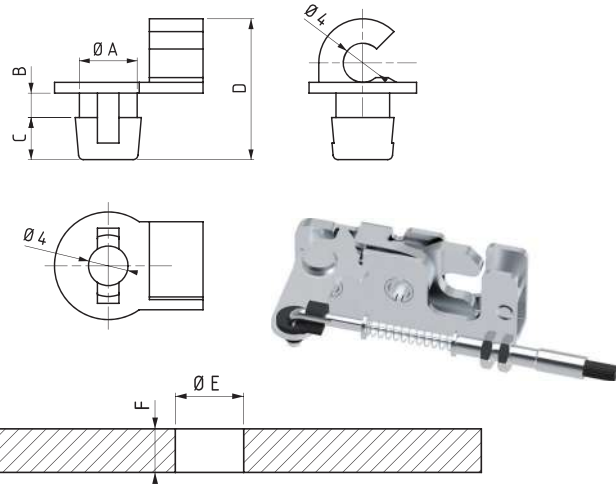
# MISCELLANEOUS PRODUCTS

## RETAINER CLIP

(Cable Accessory)



**MATERIAL**  
PA6



| A   | B   | C   | D    | E   | F | TRIGGER LEVER                     | PRODUCT CODE |
|-----|-----|-----|------|-----|---|-----------------------------------|--------------|
| 5.9 | 2.5 | 4.3 | 14.4 | 6.3 | 2 | Perpendicular, In line, Two point | 320.02.193   |
| 5.9 | 4.5 | 4.3 | 16.4 | 6.3 | 4 | Top, Bottom                       | 320.02.194   |

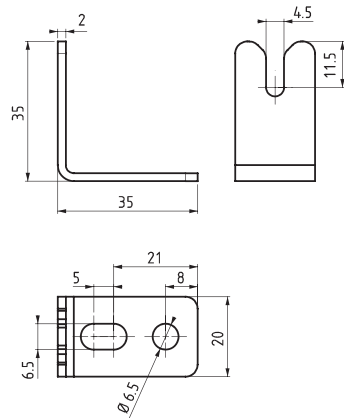
## CABLE MOUNTING BRACKET

(Cable Accessory)



**MATERIAL**  
BODY: Steel

**FINISH**  
Zinc Plated



**PRODUCT CODE**  
321.03.044

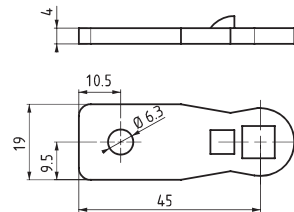
## ACTUATOR CAM



**MATERIAL**  
BODY: Steel

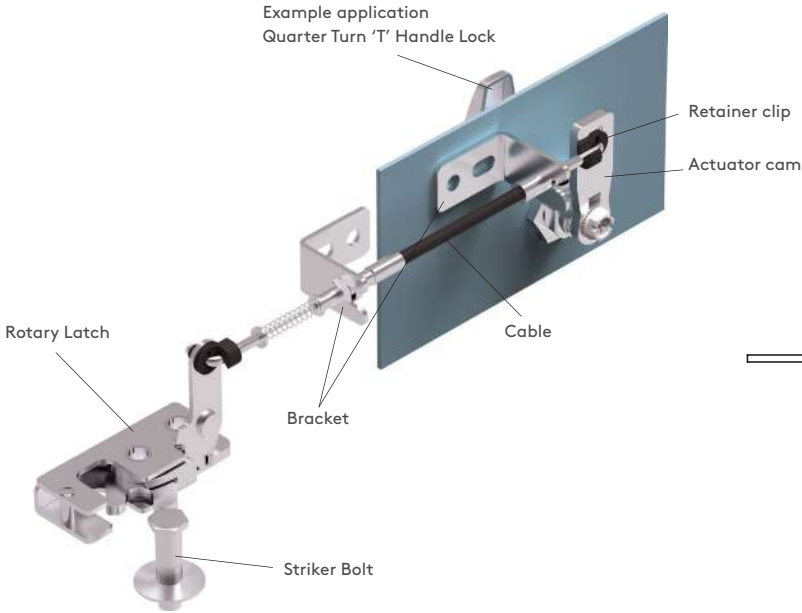
**FINISH**  
Zinc Plated

For any actuator cam  
please contact to sales  
team

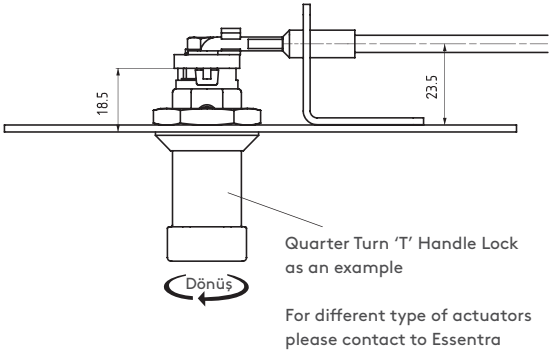


| PRODUCT CODE | CC | CH | CL |
|--------------|----|----|----|
| 30403779Y    | 98 | 0  | 45 |

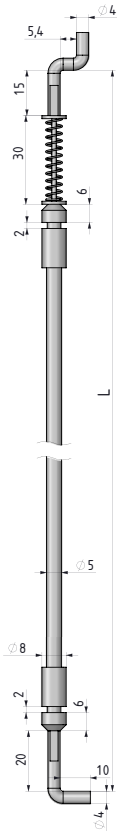




EXAMPLE APPLICATION

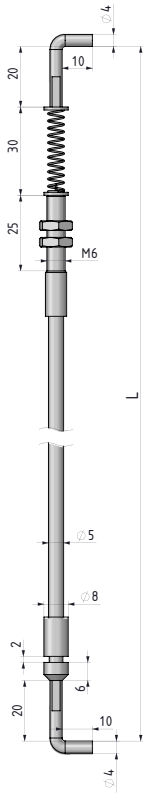


V:1



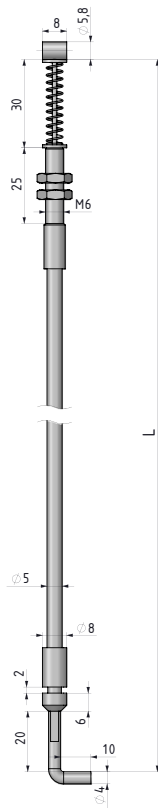
Suitable for Rotary Latch  
Mini and Large applications  
without Retainer Clip

V:2



Suitable for Rotary Latch  
Mini and Large applications  
with Retainer Clip

V:3



Only for Electronic Rotary Latch

2801

CABLES



**MATERIAL**  
BODY: Steel

**FINISH**  
Zinc Plated

**Note:** Cable diameter is 1.5 mm

| Group Code | Version | TYPE | Lenght |
|------------|---------|------|--------|
| 2801       | V       | T    | L      |

| TYPE           | T |
|----------------|---|
| With spring    | 1 |
| Without spring | 0 |

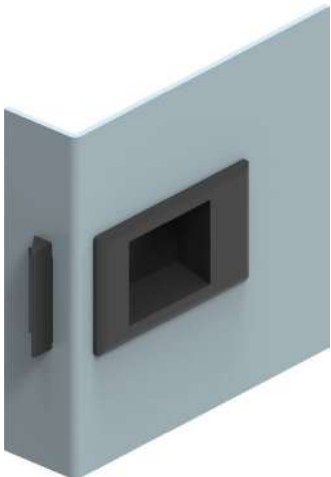
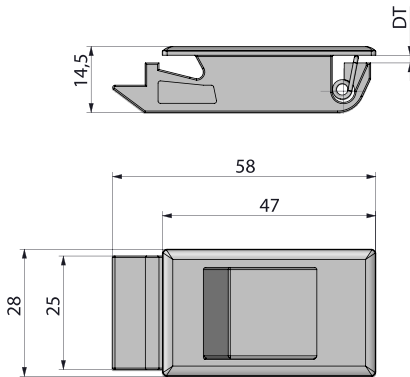
| LENGHT (L) |
|------------|
| 1000 mm    |
| 1500 mm    |
| 2000 mm    |



# MISCELLANEOUS PRODUCTS

## SLIDING LOCK

071



- Easy fixing
- Long-lasting stainless steel spring
- Suitable for panel thicknesses of between 0.8 mm and 1.5 mm

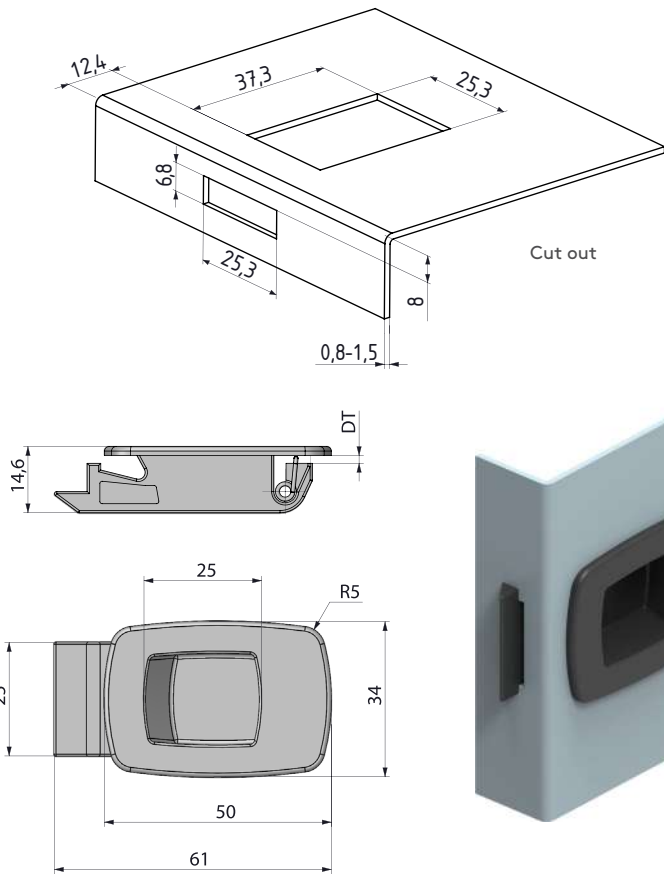
### MATERIAL

BODY: ABS  
SPRING: Stainless Steel

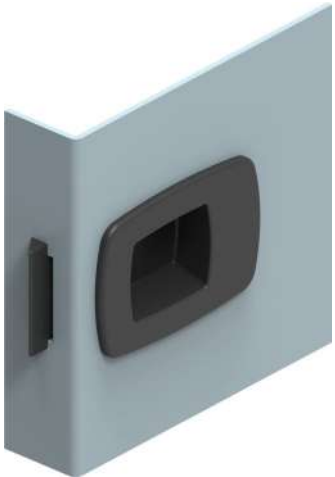
| SPECIFICATIONS              | PRODUCT CODE |
|-----------------------------|--------------|
| 0.8 -1.2 mm thickness panel | 07112        |
| 1.2 -1.5 mm thickness panel | 07115        |

## SLIDING LOCK

371



Cut out



- Stylish design
- Easy fixing
- Long-lasting spring
- Suitable for panel thicknesses of between 0.8 mm and 1.5 mm
- Suitable for small doors
- For different colour choices please contact Essentra

### MATERIAL

BODY: ABS  
SPRING: Stainless Steel

| SPECIFICATIONS              | PRODUCT CODE |
|-----------------------------|--------------|
| 0.8 -1.2 mm thickness panel | 37112        |
| 1.2 -1.5 mm thickness panel | 37115        |

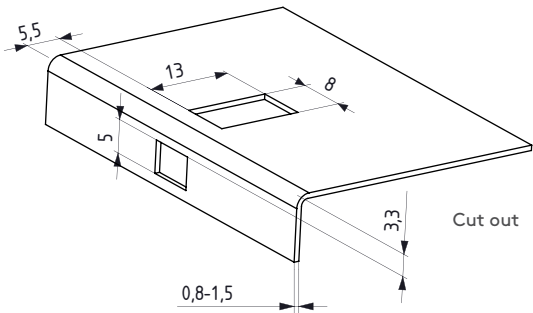
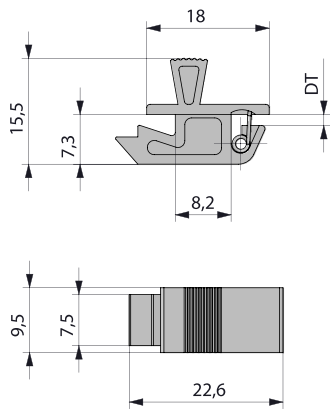
171

MINI SLIDING LOCK



- Suitable for small doors and inside panels
- Suitable for panel thicknesses of between 0.8 mm and 1.5 mm

**MATERIAL**  
BODY: ABS  
SPRING: Stainless Steel



| DT: DOOR THICKNESS |       |
|--------------------|-------|
| Min                | Max   |
| 0.8mm              | 1.5mm |

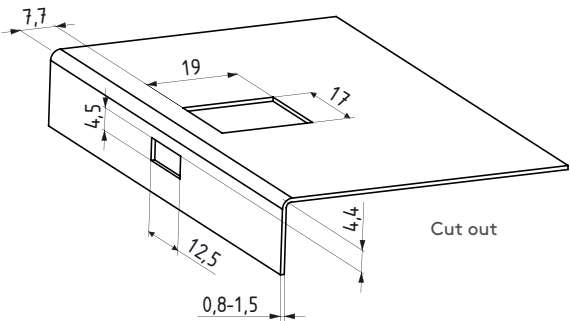
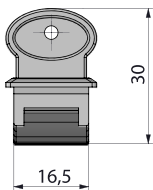
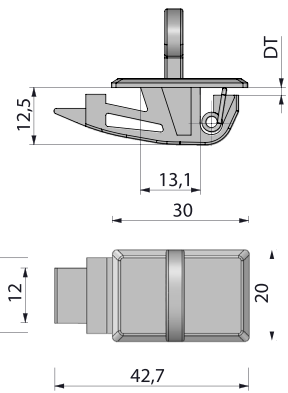
471

MINI SLIDING LOCK



- Suitable for small doors and inside panels
- Suitable for panel thicknesses of between 0.8 mm and 1.5 mm

**MATERIAL**  
BODY: ABS  
SPRING: Stainless Steel



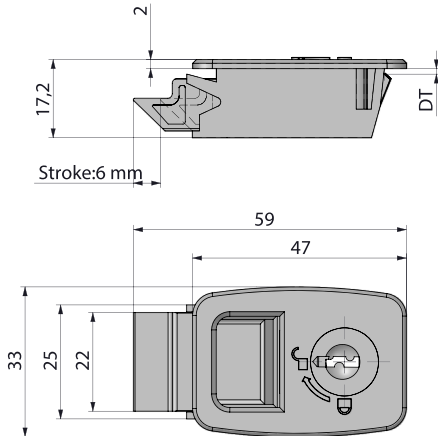
| SPECIFICATIONS              | PRODUCT CODE |
|-----------------------------|--------------|
| 0.8 -1.2 mm thickness panel | 47112        |
| 1.2 -1.5 mm thickness panel | 47115        |



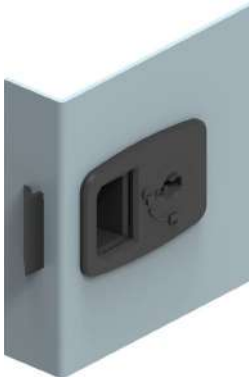
# MISCELLANEOUS PRODUCTS

## SLIDING LOCK

671



| DT: DOOR THICKNESS |       |
|--------------------|-------|
| Min                | Max   |
| 0.8mm              | 1.5mm |



- Cylinder Locking System
- Eliminates the risk of scratch on paint thanks to the 2 part design.
- Suitable for small size doors
- Easy assembly by clips
- Suitable for panel thicknesses of 0.8 - 1.5 mm

### MATERIAL

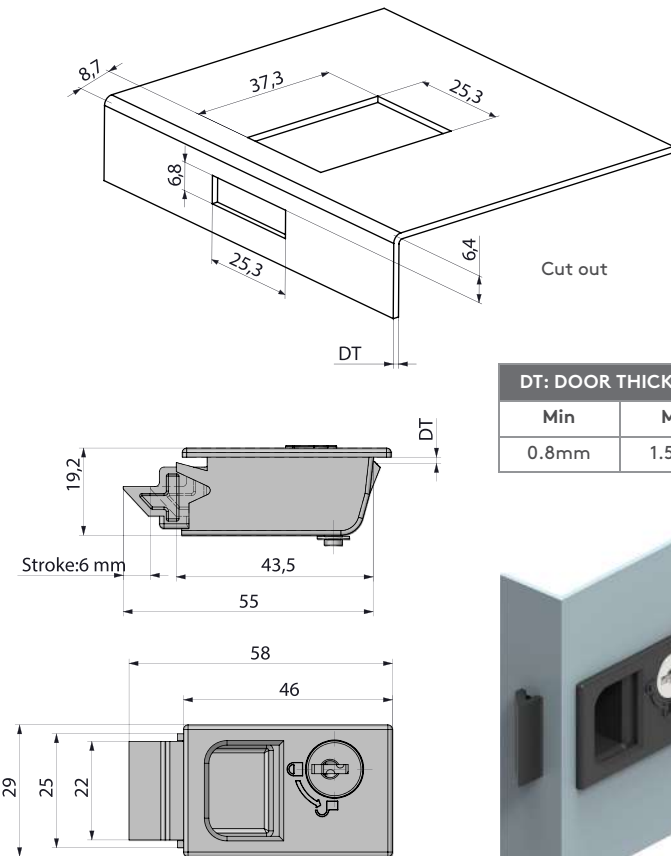
BODY: ABS  
SPRING: Stainless steel  
CYLINDER: PA6 GFR 30

| Group Code | Cylinder |
|------------|----------|
| 671        | DD       |

| CYLINDER |                 | DD |
|----------|-----------------|----|
|          | Keyed alike     | 01 |
|          | Euro key (5333) | 05 |

## SLIDING LOCK

571



| DT: DOOR THICKNESS |       |
|--------------------|-------|
| Min                | Max   |
| 0.8mm              | 1.5mm |



- Cylinder Locking System
- Eliminates the risk of scratch on paint thanks to the 2 part design.
- Suitable for small size doors
- Easy assembly by clips
- Suitable for panel thicknesses of 0.8 - 1.5 mm

### MATERIAL

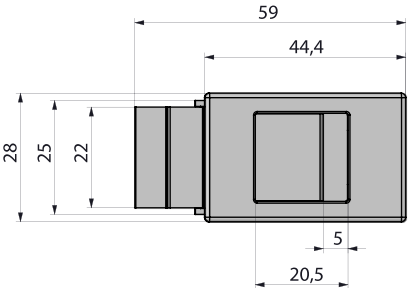
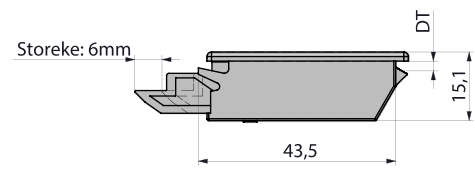
BODY: ABS  
SPRING: Stainless steel  
CYLINDER: Zamak DIN-EN 1774-ZnAl4Cu1

| Group Code | Cylinder |
|------------|----------|
| 571        | DD       |

| CYLINDER |                                        | DD |
|----------|----------------------------------------|----|
|          | Stainless steel dust cap (Keyed alike) | 03 |

271

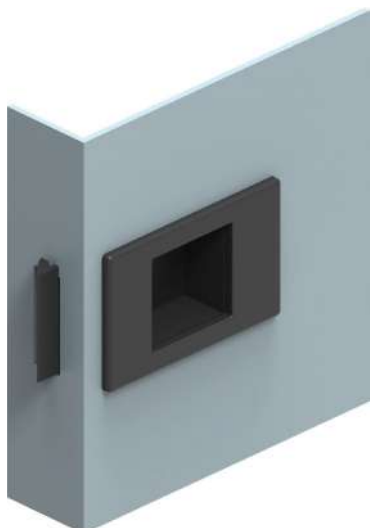
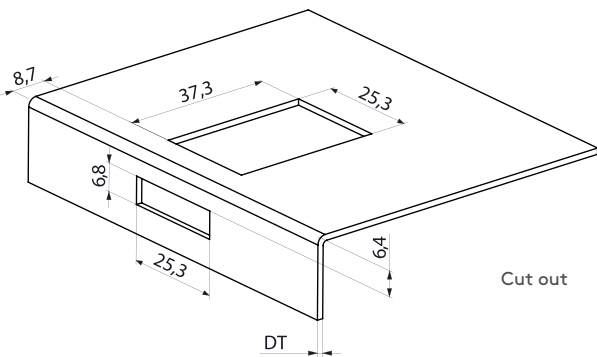
SLIDING LOCK



| DT: DOOR THICKNESS |       |
|--------------------|-------|
| Min                | Max   |
| 0.8mm              | 1.5mm |

- Two-piece design eliminates paint problems on doors
- Suitable for small doors
- Easy assembly with clips on body
- Suitable for panel thicknesses of between 0.8 mm and 1.5 mm

**MATERIAL**  
BODY: ABS  
SPRING: Stainless Steel





MINI LOCK

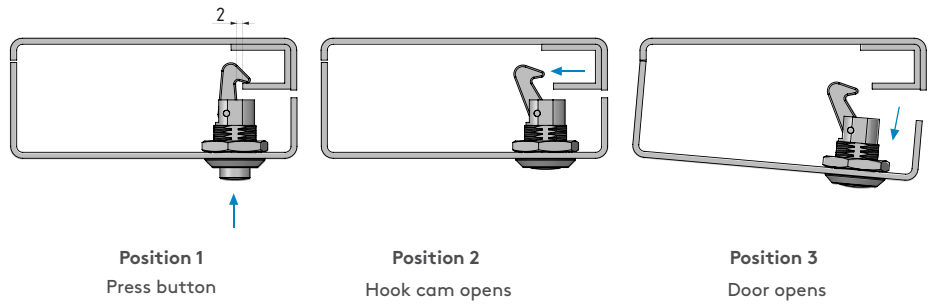
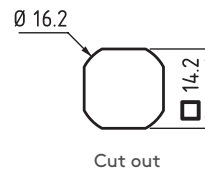
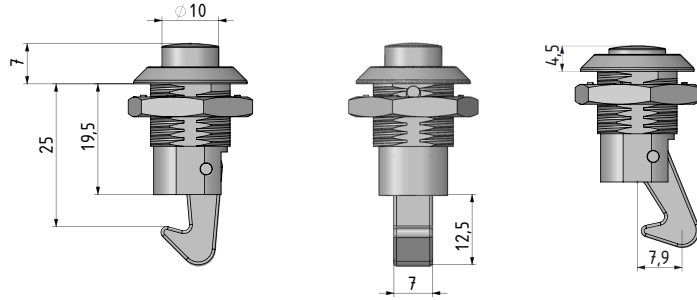
466



- Easily opened by pressing button
- Suitable for small doors

**MATERIAL**

HOUSING: Zamak DIN-EN  
1774-ZnAl4Cu1  
BUTTON: Zamak DIN-EN  
1774-ZnAl4Cu1  
CAM: Zamak DIN-EN  
1774-ZnAl4Cu1



| MATERIAL | F | FINISH        | F |
|----------|---|---------------|---|
| Zamak    | 1 | Chrome plated | 1 |
|          |   | Black coated  | 2 |

| Group Code | Material | Finish |
|------------|----------|--------|
| 466        | 1        | F      |

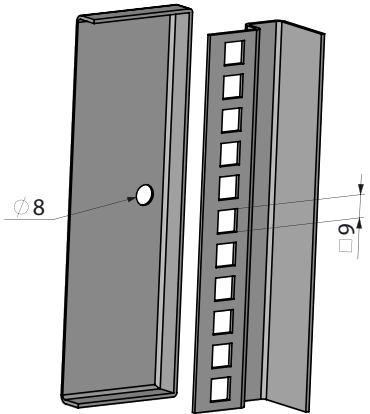
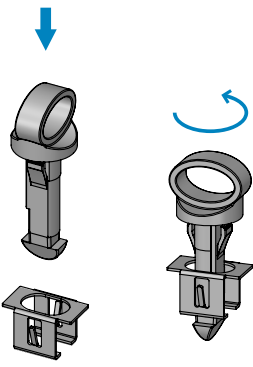
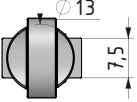
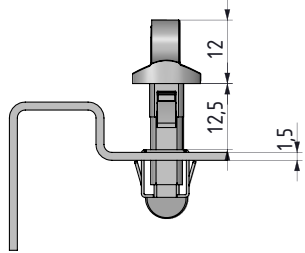
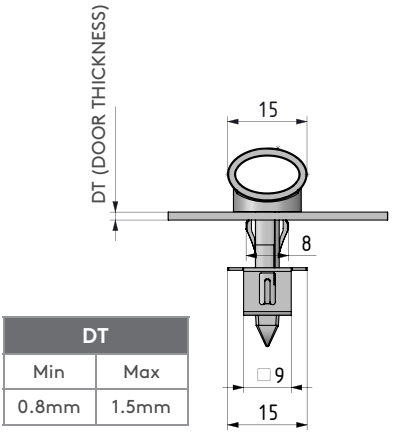
073

QUARTER-TURN LOCK

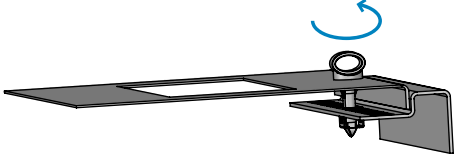
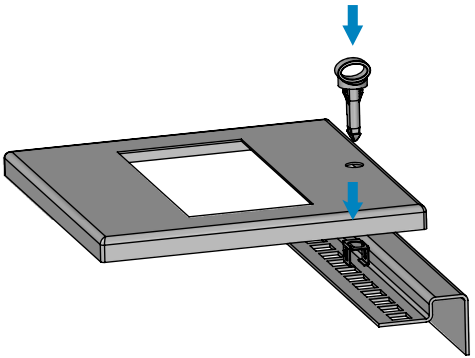
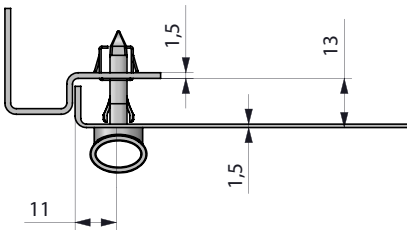


- Fix small panels to frame with ease
- Quarter-turn locking
- Easy assembly
- For doors with a bend of 24 mm

**MATERIAL**  
HANDLE: ABS  
FRAME PART: Steel



Cut out

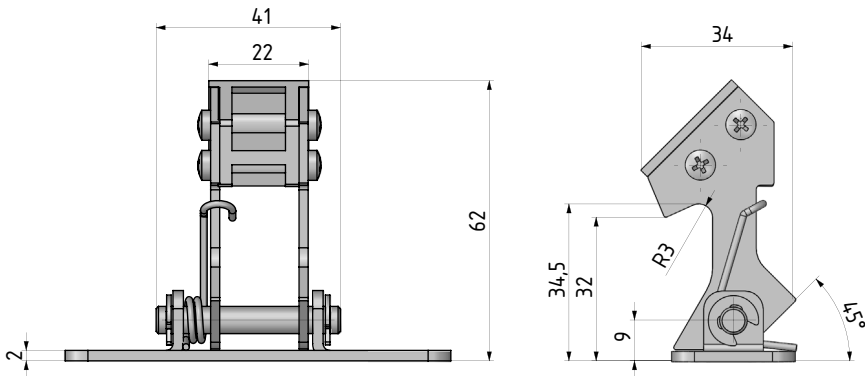




# MISCELLANEOUS PRODUCTS

## HOOKED LOCK

176



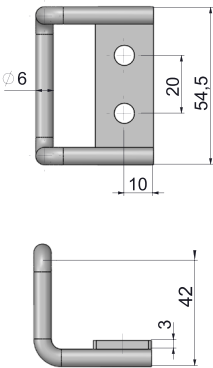
- Used for locking back doors of generators without external lock
- Can open from inside by moving cam

**MATERIAL**  
Steel or stainless steel

**Note:** Special square-base screws are included

## CAM STRIKING PLATE

016 A71



- Striking plate.
- Custom sizes available

| MATERIAL        | F | FINISH        | F |
|-----------------|---|---------------|---|
| Steel           | 6 | Chrome plated | 1 |
| Stainless steel | 4 | No finish     | 0 |

| Group Code | Material | Finish |
|------------|----------|--------|
| 176        | M        | F      |



This image shows a full page of blank graph paper. The grid consists of thin, light gray horizontal and vertical lines that intersect to form small squares across the entire surface. There are no margins, text, or other markings on the paper.



170-171



172-173



174



175



176



177



180



180



181



182



182



183



184-185



186-188



189



190



191



190



190



191



## CAMS, KEYS, RODS & ROD GUIDES

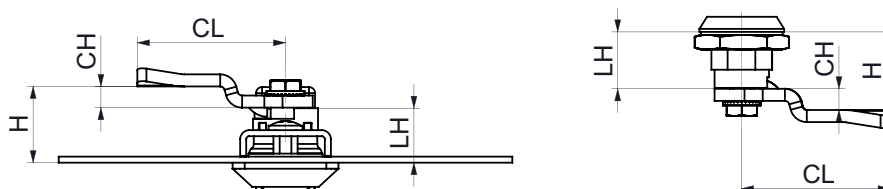
168-191



**mesan**  
ESSENTA COMPONENTS

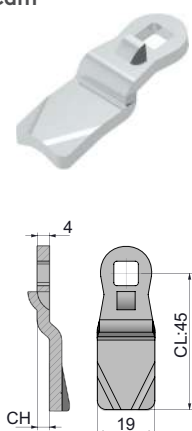
## CAMS WITH STOPPERS

H: Grip  
LH: Height of housing  
CL: Cam length  
CH: Cam height



MATERIAL: Steel  
FINISH: Zinc plated  
THICKNESS: 4 mm

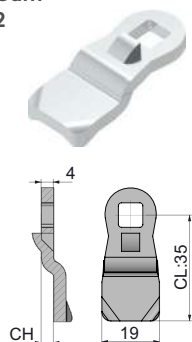
**Cam 1**



| STOCK CODE | CC | CH  | CL | LH:18<br>H | LH:18.5<br>H | LH:20<br>H | LH:21<br>H | LH:30<br>H | LH:32<br>H | LH:35<br>H | LH:40<br>H | LH:50<br>H | LH:60<br>H |
|------------|----|-----|----|------------|--------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 30403033Y  | 30 | 0   | 45 | 18         | 18.5         | 20         | 21         | 30         | 32         | 35         | 40         | 50         | 60         |
| 30403439Y  | 17 | 1   | 45 | 19         | 19.5         | 21         | 22         | 31         | 33         | 36         | 41         | 51         | 61         |
| 30403159Y  | 35 | 2   | 45 | 20         | 20.5         | 22         | 23         | 32         | 34         | 37         | 42         | 52         | 62         |
| 30403063Y  | 31 | 3   | 45 | 21         | 21.5         | 23         | 24         | 33         | 35         | 38         | 43         | 53         | 63         |
| 30403149Y  | 33 | 4   | 45 | 22         | 22.5         | 24         | 25         | 34         | 37         | 39         | 44         | 54         | 64         |
| 30403160Y  | 34 | 6   | 45 | 24         | 24.5         | 26         | 27         | 36         | 38         | 41         | 46         | 56         | 66         |
| 30403161Y  | 36 | 8   | 45 | 26         | 26.5         | 28         | 29         | 38         | 40         | 43         | 48         | 58         | 68         |
| 30403162Y  | 47 | 10  | 45 | 28         | 28.5         | 30         | 31         | 40         | 42         | 45         | 50         | 60         | 70         |
| 30403045Y  | 44 | 12  | 45 | 30         | 30.5         | 32         | 33         | 42         | 44         | 47         | 52         | 62         | 72         |
| 30403163Y  | 48 | 14  | 45 | 32         | 32.5         | 34         | 35         | 44         | 46         | 49         | 54         | 64         | 74         |
| 30403151Y  | 49 | 16  | 45 | 34         | 34.5         | 36         | 37         | 46         | 48         | 51         | 56         | 66         | 76         |
| 30403165Y  | 55 | 18  | 45 | 36         | 36.5         | 38         | 39         | 48         | 50         | 53         | 58         | 68         | 78         |
| 30403166Y  | 56 | 20  | 45 | 38         | 38.5         | 40         | 41         | 50         | 52         | 55         | 60         | 70         | 80         |
| 30403167Y  | 57 | 22  | 45 | 40         | 40.5         | 42         | 43         | 52         | 54         | 57         | 62         | 72         | 82         |
| 30403168Y  | 58 | 24  | 45 | 42         | 42.5         | 44         | 45         | 54         | 56         | 59         | 64         | 74         | 84         |
| 30403169Y  | 37 | -2  | 45 | 16         | 16.5         | 18         | 19         | 28         | 30         | 33         | 38         | 48         | 58         |
| 30403170Y  | 38 | -4  | 45 | 14         | 14.5         | 16         | 17         | 26         | 28         | 31         | 36         | 46         | 56         |
| 30403171Y  | 39 | -6  | 45 | 12         | 12.5         | 14         | 15         | 24         | 26         | 29         | 34         | 44         | 54         |
| 30403172Y  | 59 | -8  | 45 | 10         | 10.5         | 12         | 13         | 22         | 24         | 27         | 32         | 42         | 52         |
| 30403173Y  | 60 | -10 | 45 | 8          | 8.5          | 10         | 11         | 20         | 22         | 25         | 30         | 40         | 50         |
| 30403174Y  | 61 | -12 | 45 | 6          | 6.5          | 8          | 9          | 18         | 20         | 23         | 28         | 38         | 48         |
| 30403175Y  | 62 | -14 | 45 | 4          | 4.5          | 6          | 7          | 16         | 18         | 21         | 26         | 36         | 46         |

MATERIAL: Steel  
FINISH: Zinc plated  
THICKNESS: 4 mm

**Cam 2**

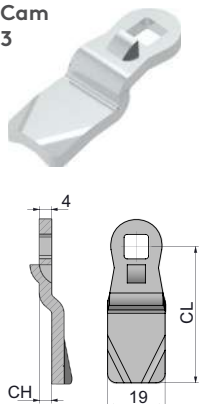


| STOCK CODE | CC | CH | CL | LH:18<br>H | LH:18.5<br>H | LH:20<br>H | LH:21<br>H | LH:30<br>H | LH:32<br>H | LH:35<br>H | LH:40<br>H | LH:50<br>H | LH:60<br>H |
|------------|----|----|----|------------|--------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 30403187Y  | 11 | -2 | 35 | 16         | 16.5         | 18         | 19         | 28         | 30         | 33         | 38         | 48         | 58         |
| 30403185Y  | 12 | 0  | 35 | 18         | 18.5         | 20         | 21         | 30         | 32         | 35         | 40         | 50         | 60         |
| 30403186Y  | 13 | 2  | 35 | 20         | 20.5         | 22         | 23         | 32         | 34         | 37         | 42         | 52         | 62         |
| 30403188Y  | 14 | 4  | 35 | 22         | 22.5         | 24         | 25         | 34         | 36         | 39         | 44         | 54         | 64         |
| 30403470Y  | 15 | 6  | 35 | 24         | 24.5         | 26         | 27         | 36         | 38         | 41         | 46         | 56         | 66         |
| 30403471Y  | 16 | 7  | 35 | 25         | 25.5         | 27         | 28         | 37         | 39         | 42         | 47         | 57         | 67         |
| 30403189Y  | 23 | 10 | 35 | 28         | 28.5         | 30         | 31         | 40         | 42         | 45         | 50         | 60         | 70         |
| 30403046Y  | 52 | 26 | 35 | 44         | 44.5         | 46         | 47         | 56         | 58         | 61         | 66         | 76         | 86         |

## CAMS WITH STOPPERS

MATERIAL: Steel  
FINISH: Zinc plated  
THICKNESS: 4 mm

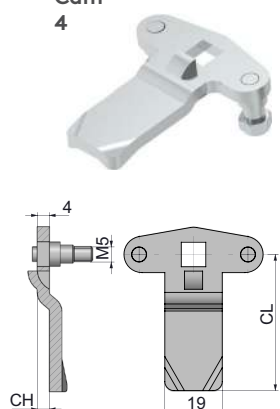
Cam 3



| STOCK CODE | CC | CH | CL | LH:18<br>H | LH:18.5<br>H | LH:20<br>H | LH:30<br>H | LH:32<br>H | LH:35<br>H | LH:40<br>H | LH:50<br>H | LH:60<br>H |
|------------|----|----|----|------------|--------------|------------|------------|------------|------------|------------|------------|------------|
| 30403031Y  | 10 | 0  | 29 | 18         | 18.5         | 20         | 30         | 32         | 35         | 40         | 50         | 60         |
| 30403032Y  | 20 | 0  | 38 | 18         | 18.5         | 20         | 30         | 32         | 35         | 40         | 50         | 60         |
| 30403036Y  | 70 | 0  | 66 | 18         | 18.5         | 20         | 30         | 32         | 35         | 40         | 50         | 60         |
| 30403034Y  | 40 | 0  | 51 | 18         | 18.5         | 20         | 30         | 32         | 35         | 40         | 50         | 60         |
| 30403037Y  | 21 | 3  | 38 | 21         | 21.5         | 23         | 33         | 35         | 38         | 43         | 53         | 63         |
| 30403038Y  | 41 | 3  | 51 | 21         | 21.5         | 23         | 33         | 35         | 38         | 43         | 53         | 63         |
| 30403129Y  | 22 | 6  | 37 | 24         | 24.5         | 26         | 36         | 38         | 41         | 46         | 56         | 66         |
| 30403039Y  | 32 | 7  | 44 | 25         | 25.5         | 27         | 37         | 39         | 42         | 47         | 57         | 67         |
| 30403040Y  | 42 | 7  | 49 | 25         | 25.5         | 27         | 37         | 39         | 42         | 47         | 57         | 67         |
| 30403043Y  | 43 | 10 | 48 | 28         | 28.5         | 30         | 40         | 42         | 45         | 50         | 60         | 70         |

MATERIAL: Steel  
FINISH: Zinc plated  
THICKNESS: 4 mm

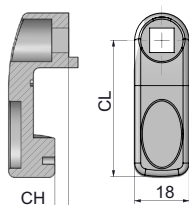
Cam 4



| STOCK CODE | CC  | CH | CL | LH:18<br>H | LH:18.5<br>H | LH:20<br>H | LH:30<br>H | LH:32<br>H | LH:35<br>H | LH:40<br>H | LH:50<br>H | LH:60<br>H |
|------------|-----|----|----|------------|--------------|------------|------------|------------|------------|------------|------------|------------|
| 30403140Y  | 03  | 0  | 51 | 18         | 18.5         | 20         | 30         | 32         | 35         | 40         | 50         | 60         |
| 30403522Y  | 06  | 0  | 45 | 18         | 18.5         | 20         | 30         | 32         | 35         | 40         | 50         | 60         |
| 30403047Y  | 01  | 7  | 49 | 25         | 25.5         | 27         | 37         | 39         | 42         | 47         | 57         | 67         |
| 30403524Y  | 07  | 2  | 45 | 20         | 20.5         | 22         | 32         | 34         | 37         | 42         | 52         | 62         |
| 30403526Y  | 08  | 3  | 45 | 21         | 21.5         | 23         | 33         | 35         | 38         | 43         | 53         | 63         |
| 30403528Y  | 09  | 4  | 45 | 22         | 22.5         | 24         | 34         | 36         | 39         | 44         | 54         | 64         |
| 30403530Y  | 100 | 5  | 45 | 23         | 23.5         | 25         | 35         | 37         | 40         | 45         | 55         | 65         |
| 30403532Y  | 101 | 6  | 45 | 24         | 24.5         | 26         | 36         | 38         | 41         | 46         | 56         | 66         |
| 30403534Y  | 102 | 7  | 45 | 25         | 25.5         | 27         | 37         | 39         | 42         | 47         | 57         | 67         |
| 30403147Y  | 02  | 12 | 46 | 30         | 30.5         | 32         | 42         | 44         | 47         | 52         | 62         | 72         |
| 30403536Y  | 103 | 14 | 45 | 32         | 32.5         | 34         | 44         | 46         | 49         | 54         | 64         | 74         |

MATERIAL: Plastic

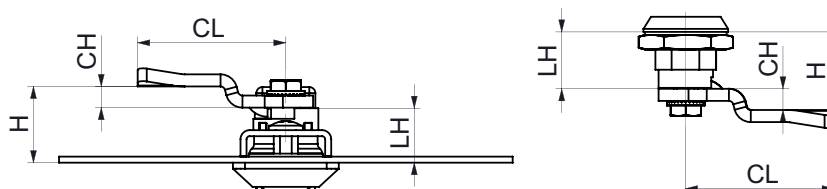
Cam 5



| STOCK CODE | CC | CH | CL | LH:18<br>H | LH:18.5<br>H | LH:20<br>H | LH:30<br>H | LH:35<br>H | LH:40<br>H | LH:50<br>H | LH:60<br>H |
|------------|----|----|----|------------|--------------|------------|------------|------------|------------|------------|------------|
| 30402004Y  | 90 | 0  | 35 | 18         | 18.5         | 20         | 30         | 35         | 40         | 50         | 60         |
| 30402011Y  | 93 | 0  | 25 | 18         | 18.5         | 20         | 30         | 35         | 40         | 50         | 60         |
| 30402005Y  | 91 | 6  | 35 | 24         | 24.5         | 26         | 36         | 41         | 46         | 56         | 66         |
| 30402008Y  | 92 | 4  | 45 | 22         | 22.5         | 24         | 34         | 39         | 44         | 54         | 64         |
| 30402013Y  | 94 | -4 | 45 | 14         | 14.5         | 16         | 26         | 31         | 36         | 46         | 56         |

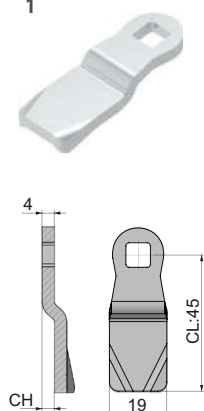
## CAMS WITHOUT STOPPERS

H: Grip  
LH: Height of housing  
CL: Cam length  
CH: Cam height



MATERIAL: Steel  
FINISH: Zinc plated  
THICKNESS: 4 mm

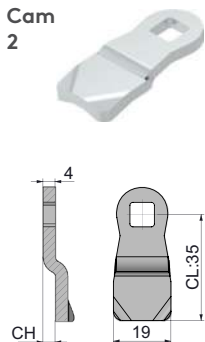
**Cam 1**



| STOCK CODE | CC | CH   | CL | LH:14<br>H | LH:18.5<br>H | LH:19<br>H | LH : 20<br>H | LH : 22<br>H | LH : 25<br>H | LH : 32<br>H |
|------------|----|------|----|------------|--------------|------------|--------------|--------------|--------------|--------------|
| 30403117Y  | 30 | 0    | 45 | 14         | 18.5         | 19         | 20           | 22           | 25           | 32           |
| 30403557Y  | 17 | 1    | 45 | 15         | 19.5         | 20         | 21           | 23           | 26           | 33           |
| 30403581Y  | 35 | 2    | 45 | 16         | 20.5         | 21         | 22           | 24           | 27           | 34           |
| 30403054Y  | 31 | 3    | 45 | 17         | 21.5         | 22         | 23           | 25           | 28           | 35           |
| 30403197Y  | 33 | 4    | 45 | 18         | 22.5         | 23         | 24           | 26           | 29           | 36           |
| 30403128Y  | 34 | 6    | 45 | 20         | 24.5         | 25         | 26           | 28           | 31           | 38           |
| 30403583Y  | 36 | 8    | 45 | 22         | 26.5         | 27         | 28           | 30           | 33           | 40           |
| 30403584Y  | 47 | 10   | 45 | 24         | 28.5         | 29         | 30           | 32           | 35           | 42           |
| 30403123Y  | 44 | 12   | 45 | 26         | 30.5         | 31         | 32           | 34           | 37           | 44           |
| 30403422Y  | 48 | 14   | 45 | 28         | 32.5         | 33         | 34           | 36           | 39           | 46           |
| 30403410Y  | 49 | 16   | 45 | 30         | 34.5         | 35         | 36           | 38           | 41           | 48           |
| 30403429Y  | 55 | 18   | 45 | 32         | 36.5         | 37         | 38           | 40           | 43           | 50           |
| 30403585Y  | 56 | 20   | 45 | 34         | 38.5         | 39         | 40           | 42           | 45           | 52           |
| 30403586Y  | 57 | 22   | 45 | 36         | 40.5         | 41         | 42           | 44           | 47           | 54           |
| 30403411Y  | 58 | 24   | 45 | 38         | 42.5         | 43         | 44           | 46           | 49           | 56           |
| 30403425Y  | 37 | - 2  | 45 | 12         | 16.5         | 17         | 18           | 20           | 23           | 30           |
| 30403198Y  | 38 | - 4  | 45 | 10         | 14.5         | 15         | 16           | 18           | 21           | 28           |
| 30403423Y  | 39 | - 6  | 45 | 8          | 12.5         | 13         | 14           | 16           | 19           | 26           |
| 30403412Y  | 59 | - 8  | 45 | 6          | 10.5         | 11         | 12           | 14           | 17           | 24           |
| 30403552Y  | 60 | - 10 | 45 | 4          | 8.5          | 9          | 10           | 12           | 15           | 22           |
| 30403587Y  | 61 | - 12 | 45 | 2          | 6.5          | 7          | 8            | 10           | 13           | 20           |
| 30403420Y  | 62 | - 14 | 45 | 0          | 4.5          | 5          | 6            | 8            | 11           | 18           |

MATERIAL: Steel  
FINISH: Zinc plated  
THICKNESS: 4 mm

**Cam 2**

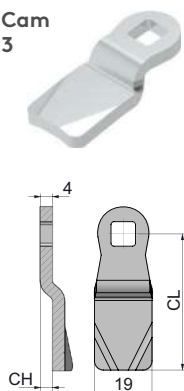


| STOCK CODE | CC | CH | CL | LH:14<br>H | LH:18.5<br>H | LH : 19<br>H | LH : 20<br>H | LH : 22<br>H | LH : 25<br>H | LH : 32<br>H |
|------------|----|----|----|------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 30403069Y  | 11 | -2 | 35 | 12         | 16.5         | 18           | 18           | 20           | 23           | 30           |
| 30403444Y  | 12 | 0  | 35 | 14         | 18.5         | 20           | 20           | 22           | 25           | 32           |
| 30403519Y  | 13 | 2  | 35 | 16         | 20.5         | 22           | 22           | 24           | 27           | 34           |
| 30403588Y  | 14 | 4  | 35 | 18         | 22.5         | 24           | 24           | 26           | 29           | 36           |
| 30403477Y  | 15 | 6  | 35 | 20         | 24.5         | 26           | 26           | 28           | 31           | 38           |
| 30403589Y  | 16 | 7  | 35 | 21         | 25.5         | 27           | 27           | 29           | 32           | 39           |
| 30403407Y  | 23 | 10 | 35 | 24         | 28.5         | 30           | 30           | 32           | 35           | 42           |
| 30403075Y  | 52 | 26 | 35 | 40         | 44.5         | 46           | 36           | 48           | 51           | 58           |

## CAMS WITHOUT STOPPERS

MATERIAL: Steel  
FINISH: Zinc plated  
THICKNESS: 4 mm

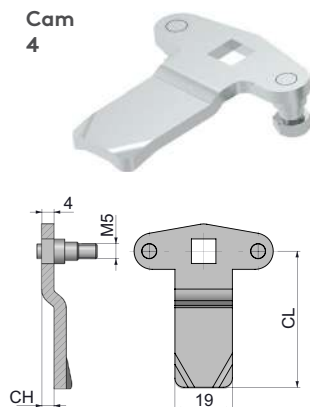
**Cam 3**



| STOCK CODE | CC | CH | CL | LH:14 H | LH:18.5 H | LH:19 H | LH : 20 H | LH : 22 H | LH : 25 H | LH : 32 H |
|------------|----|----|----|---------|-----------|---------|-----------|-----------|-----------|-----------|
| 30403006Y  | 10 | 0  | 29 | 14      | 18.5      | 19      | 20        | 22        | 25        | 32        |
| 30403130Y  | 20 | 0  | 38 | 14      | 18.5      | 19      | 20        | 22        | 25        | 32        |
| 30403117Y  | 30 | 0  | 45 | 14      | 18.5      | 19      | 20        | 22        | 25        | 32        |
| 30403003Y  | 40 | 0  | 51 | 14      | 18.5      | 19      | 20        | 22        | 25        | 32        |
| 30403005Y  | 70 | 0  | 66 | 14      | 18.5      | 19      | 20        | 22        | 25        | 32        |
| 30403064Y  | 21 | 3  | 38 | 17      | 21.5      | 22      | 23        | 25        | 28        | 35        |
| 30403054Y  | 31 | 3  | 45 | 17      | 21.5      | 22      | 23        | 25        | 28        | 35        |
| 30403141Y  | 41 | 3  | 51 | 17      | 21.5      | 22      | 23        | 25        | 28        | 35        |
| 30403138Y  | 22 | 6  | 37 | 20      | 24.5      | 25      | 26        | 28        | 31        | 38        |
| 30403128Y  | 34 | 6  | 45 | 20      | 24.5      | 25      | 26        | 28        | 31        | 38        |
| 30403073Y  | 32 | 7  | 44 | 21      | 25.5      | 26      | 27        | 29        | 32        | 39        |
| 30403002Y  | 42 | 7  | 49 | 21      | 25.5      | 26      | 27        | 29        | 32        | 39        |
| 30403004Y  | 43 | 10 | 48 | 24      | 28.5      | 29      | 30        | 32        | 35        | 42        |
| 30403123Y  | 44 | 12 | 45 | 26      | 30.5      | 31      | 32        | 34        | 37        | 44        |

MATERIAL: Steel  
FINISH: Zinc plated  
THICKNESS: 4 mm

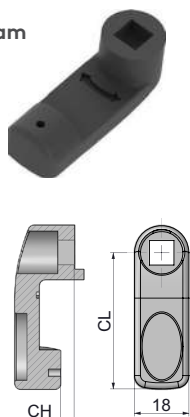
**Cam 4**



| STOCK CODE | CC  | CH | CL | LH:18.5 H |
|------------|-----|----|----|-----------|
| 30403135Y  | 03  | 0  | 51 | 18.5      |
| 30403523Y  | 06  | 0  | 45 | 18.5      |
| 30403001Y  | 01  | 7  | 49 | 25.5      |
| 30403525Y  | 07  | 2  | 45 | 20.5      |
| 30403527Y  | 08  | 3  | 45 | 21.5      |
| 30403529Y  | 09  | 4  | 45 | 22.5      |
| 30403531Y  | 100 | 5  | 45 | 23.5      |
| 30403533Y  | 101 | 6  | 45 | 24.5      |
| 30403535Y  | 102 | 7  | 45 | 25.5      |
| 30403068Y  | 02  | 12 | 46 | 30.5      |
| 30403537Y  | 103 | 14 | 45 | 32.5      |

MATERIAL: Plastic

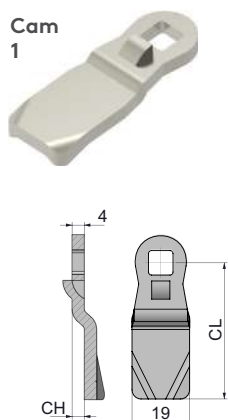
**Cam 5**



| STOCK CODE | CC | CH | CL | LH:18.5 H | LH: 20 H | LH: 25 H |
|------------|----|----|----|-----------|----------|----------|
| 30402002Y  | 90 | 0  | 35 | 18.5      | 20       | 25       |
| 30402010Y  | 93 | 0  | 25 | 18.5      | 20       | 25       |
| 30402007Y  | 92 | 4  | 45 | 22.5      | 24       | 29       |
| 30402003Y  | 91 | 6  | 35 | 24.5      | 26       | 31       |
| 30402014Y  | 94 | -4 | 45 | 14.5      | 16       | 21       |

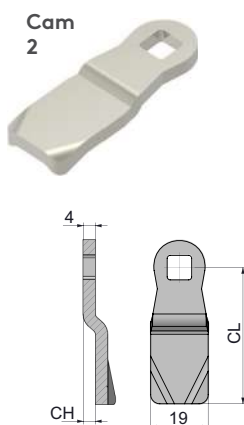
## STAINLESS STEEL CAMS

### WITH STOPPER



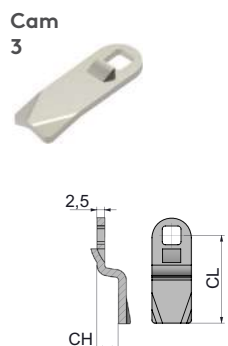
| STOCK CODE | CC | CH | CL | LH:18 H | LH:18.5 H | LH:20 H | LH:22 H | LH:30 H | LH:32 H | LH:40 H | LH:50 H | LH:60 H |
|------------|----|----|----|---------|-----------|---------|---------|---------|---------|---------|---------|---------|
| 30405004Y  | 30 | 0  | 45 | 18      | 18.5      | 20      | 22      | 30      | 32      | 40      | 50      | 60      |
| 30405003Y  | 40 | 0  | 51 | 18      | 18.5      | 20      | 22      | 30      | 32      | 40      | 50      | 60      |
| 30405159Y  | 35 | 2  | 45 | 20      | 20.5      | 22      | 24      | 32      | 34      | 42      | 52      | 62      |
| 30405063Y  | 31 | 3  | 45 | 21      | 21.5      | 23      | 25      | 33      | 35      | 43      | 53      | 63      |
| 30405149Y  | 33 | 4  | 45 | 22      | 22.5      | 24      | 26      | 34      | 36      | 44      | 54      | 64      |
| 30405160Y  | 34 | 6  | 45 | 24      | 24.5      | 26      | 28      | 36      | 38      | 46      | 56      | 66      |
| 30405040Y  | 42 | 7  | 49 | 25      | 25.5      | 27      | 29      | 37      | 39      | 47      | 57      | 67      |
| 30405006Y  | 36 | 8  | 45 | 26      | 26.5      | 28      | 30      | 38      | 41      | 48      | 58      | 68      |
| 30405162Y  | 47 | 10 | 45 | 28      | 28.5      | 30      | 32      | 40      | 42      | 50      | 60      | 70      |
| 30405045Y  | 44 | 12 | 45 | 30      | 30.5      | 32      | 34      | 42      | 44      | 52      | 62      | 72      |

### WITHOUT STOPPER



| STOCK CODE | CC | CH | CL | LH:18.5 H | LH:20 H | LH:22 H | LH:25 H | LH:32 H |
|------------|----|----|----|-----------|---------|---------|---------|---------|
| 30405117Y  | 30 | 0  | 45 | 18.5      | 20      | 22      | 25      | 32      |
| 30405058Y  | 40 | 0  | 51 | 18.5      | 20      | 22      | 25      | 32      |
| 30405012Y  | 35 | 2  | 45 | 20.5      | 22      | 24      | 27      | 34      |
| 30405013Y  | 31 | 3  | 45 | 21.5      | 23      | 25      | 28      | 35      |
| 30405015Y  | 34 | 4  | 45 | 22.5      | 24      | 26      | 29      | 36      |
| 30405002Y  | 42 | 7  | 49 | 25.5      | 27      | 29      | 32      | 39      |
| 30405016Y  | 36 | 8  | 45 | 26.5      | 28      | 30      | 33      | 40      |
| 30405017Y  | 47 | 10 | 45 | 28.5      | 30      | 32      | 35      | 42      |
| 30405018Y  | 44 | 12 | 45 | 30.5      | 32      | 34      | 37      | 44      |

### WITH STOPPER



| STOCK CODE | CC | CH | CL | LH:13.5 H |
|------------|----|----|----|-----------|
| 30405084Y  | 10 | 0  | 33 | 13.5      |
| 30405085Y  | 11 | 7  | 30 | 20.5      |
| 30405184Y  | 20 | 0  | 25 | 13.5      |
| 30405196Y  | 22 | -6 | 25 | 7.5       |

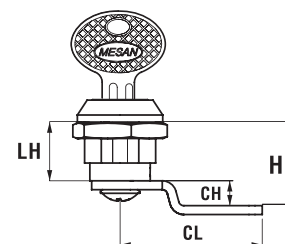


# ADDITIONAL CAMS

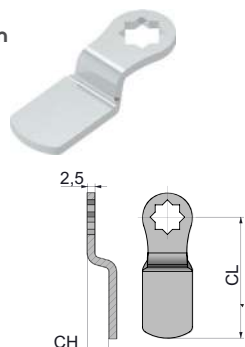
## LOCKS

H: Grip  
LH: Height of housing  
CL: Cam length  
CH: Cam height

| GROUP CODE | 050                    | 150 | 250 | 072 | 066  | 166  | 366  | 566  | 057  | 055      | 165 |
|------------|------------------------|-----|-----|-----|------|------|------|------|------|----------|-----|
| LH         | 16.5<br>20<br>25<br>30 | 20  | 20  | 29  | 13.5 | 13.5 | 13.5 | 13.5 | 13.5 | 20<br>32 | 16  |
| CAM        | 1-2                    | 1   | 1   | 1   | 3    | 3    | 3    | 3    | 4    | 1        | 3   |

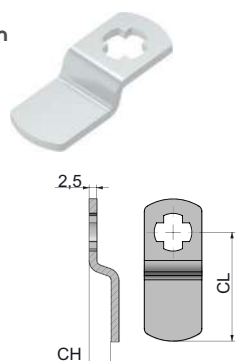


Cam 1

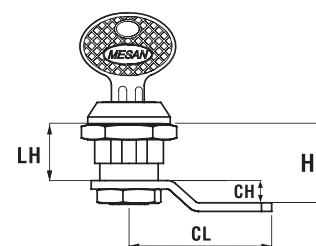


| STOCK CODE | CC | CH | CL | LH:16.5<br>H | LH:20<br>H | LH:25<br>H | LH:29<br>H | LH:30<br>H | LH:32<br>H |
|------------|----|----|----|--------------|------------|------------|------------|------------|------------|
| 30403124Y  | 50 | 0  | 43 | 16.5         | 20         | 25         | 29         | 30         | 32         |
| 31403010Y  | 56 | 0  | 23 | 16.5         | 20         | 25         | 29         | 30         | 32         |
| 31403011Y  | 30 | 0  | 33 | 16.5         | 20         | 25         | 29         | 30         | 32         |
| 30403157Y  | 57 | 3  | 48 | 19.5         | 23         | 28         | 32         | 33         | 35         |
| 30403125Y  | 51 | 7  | 40 | 23.5         | 27         | 32         | 36         | 37         | 39         |
| 30403110Y  | 52 | 10 | 37 | 26.5         | 30         | 35         | 39         | 40         | 42         |
| 30403111Y  | 53 | 14 | 33 | 30.5         | 34         | 39         | 43         | 44         | 46         |

Cam 2

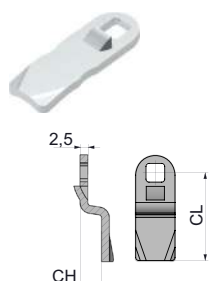


| STOCK CODE | CC | CH | CL | LH:16.5<br>H |
|------------|----|----|----|--------------|
| 30403014Y  | 10 | 0  | 38 | 16.5         |
| 30403100Y  | 30 | 0  | 33 | 16.5         |
| 30403019Y  | 20 | 0  | 49 | 16.5         |
| 30403082Y  | 11 | 3  | 38 | 19.5         |
| 30403015Y  | 12 | 7  | 36 | 23.5         |
| 30403016Y  | 21 | 7  | 47 | 23.5         |
| 30403017Y  | 22 | 10 | 44 | 26.5         |
| 30403022Y  | 13 | 0  | 39 | 16.5         |

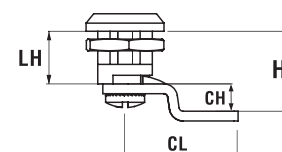


Hook cam (CC: 13)

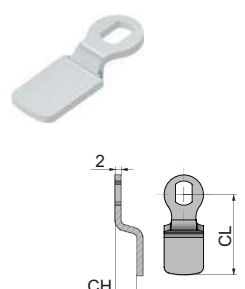
Cam 3



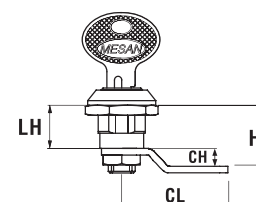
| STOCK CODE | CC | CH | CL | LH:13.5<br>H | LH:16<br>H |
|------------|----|----|----|--------------|------------|
| 30403084Y  | 10 | 0  | 33 | 13.5         | 16         |
| 30403184Y  | 20 | 0  | 25 | 13.5         | 16         |
| 30403183Y  | 21 | 6  | 25 | 19.5         | 22         |
| 30403085Y  | 11 | 7  | 30 | 20.5         | 23         |
| 30403196Y  | 22 | -6 | 25 | 7.5          | 10         |



Cam 4



| STOCK CODE | CC | CH | CL | LH:13<br>H |
|------------|----|----|----|------------|
| 30403158Y  | 10 | 0  | 24 | 13         |
| 31403016Y  | 50 | 0  | 21 | 13         |
| 30403029Y  | 20 | 0  | 31 | 13         |
| 30403028Y  | 30 | 0  | 36 | 13         |
| 30403089Y  | 21 | 3  | 30 | 16         |
| 30403030Y  | 22 | 7  | 26 | 20         |
| 30403058Y  | 40 | 0  | 31 | 13         |



Hook cam (CC: 40)



# CAM ACCESSORIES

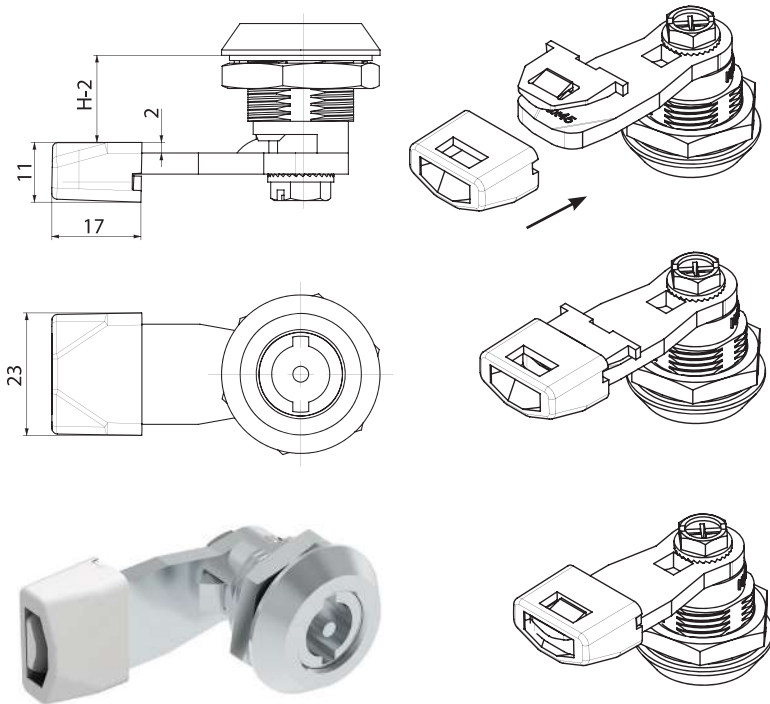
## SLIDE SHOE FOR CAM

320.02.180



- Reduces the LH and H dimensions by 2 mm. Choose CH -2 mm for cam selection compared to unused

**MATERIAL**  
Delrin



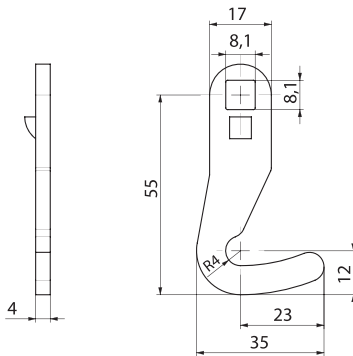
## HOOK CAMS



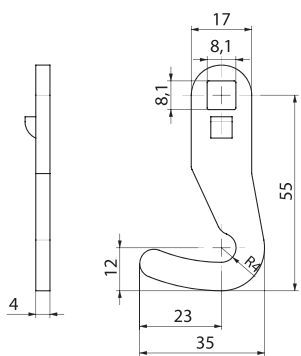
- With stopper

**MATERIAL**  
Steel

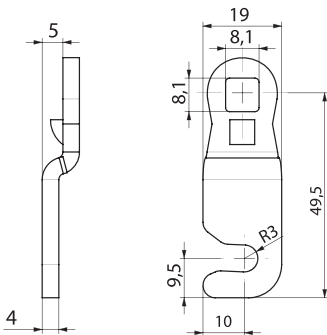
**FINISH**  
Zinc plated



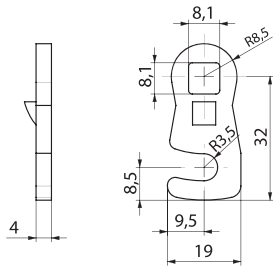
| STOCK CODE | CC  | CH | CL |
|------------|-----|----|----|
| 30403485   | 485 | 0  | 55 |



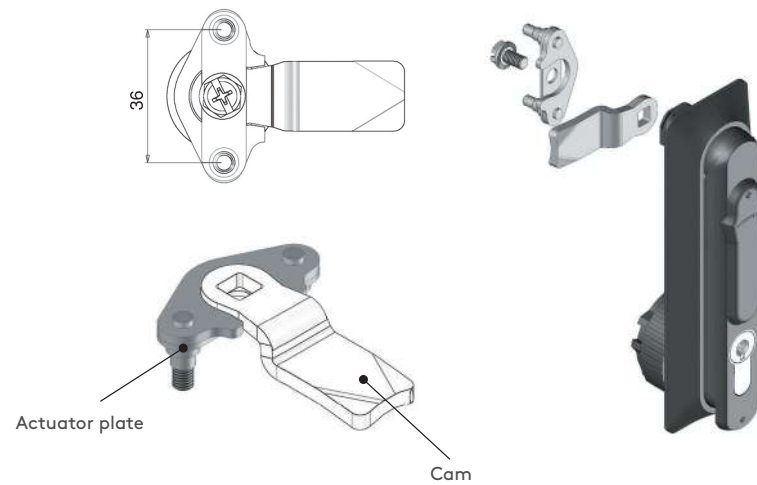
| STOCK CODE | CC  | CH | CL |
|------------|-----|----|----|
| 30403516   | 516 | 0  | 55 |



| STOCK CODE | CC  | CH | CL |
|------------|-----|----|----|
| 30403672   | 672 | -5 | 49 |



| STOCK CODE | CC  | CH | CL |
|------------|-----|----|----|
| 30403712   | 712 | 0  | 32 |



**30403499**

## ACTUATOR PLATE



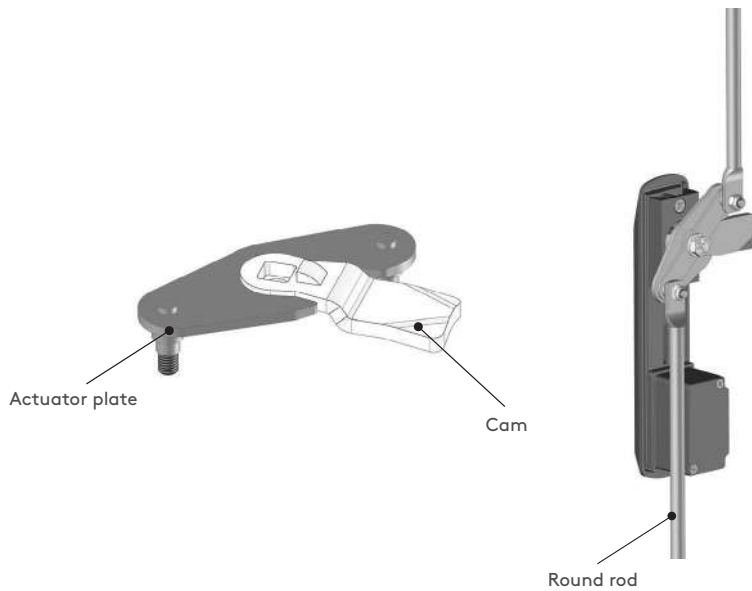
- three-point locking actuator plate.

### MATERIAL

Steel

### FINISH

Zinc plated



Right hand

**30403563**

Left hand

**30403632**

## ACTUATOR PLATE



**⚠ Note:** This plate is used for 501 swing handle (p.30)

## ACTUATOR PLATE

**30403496**



- 2-point locking actuator plate without stop lip.

**30403495**



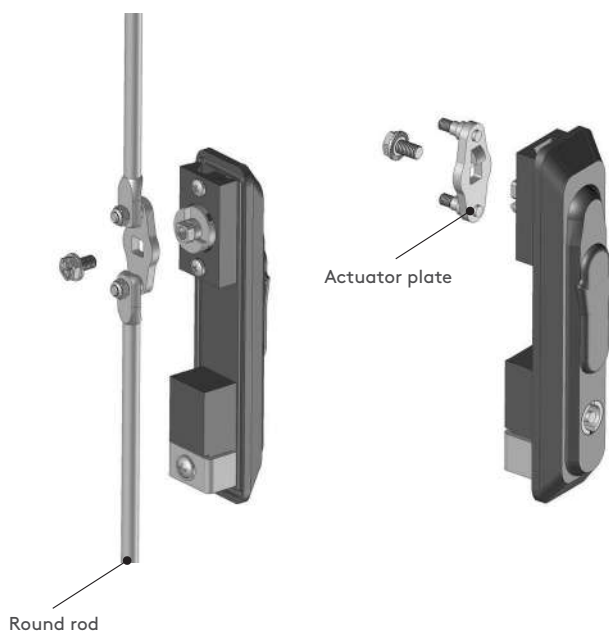
- 22-point locking actuator plate with stop lip.

### MATERIAL

Steel

### FINISH

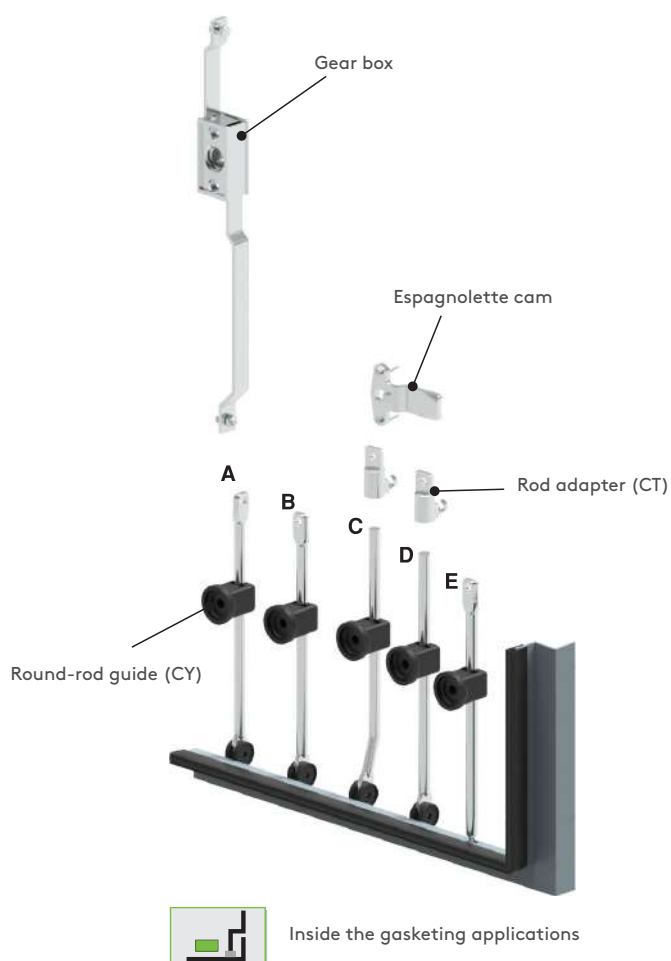
Zinc plated



## Espagnolette round and flat rod applications and accessories

**IC**

### ► ROUND-ROD APPLICATIONS



A - IC.4.L: Suitable for the gear-box applications. Rod adapter can not be used.

B - IC.3.L: Suitable for the espagnolette-cam applications. Rod adapter can not be used.

C - IC.6.L: Suitable for both gear-box and espagnolette-cam applications. Rod adapter can be used.

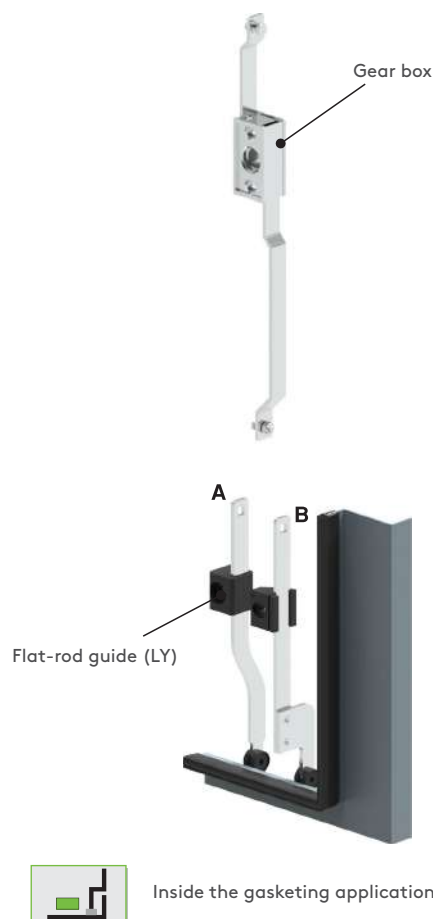
D- IC.2.L: Suitable for both gear-box and espagnolette-cam applications. Rod adapter can be used.

E- IC.1.L: Suitable for both gear-box and espagnolette-cam applications. Rod adapter can not be used. Alternative locking achievable with locking hole.

- Different rod-lengths are available. Please check the next pages
- Round-rod guide must be used for all applications. Please check the accessory pages

**IL**

### ► FLAT-ROD APPLICATIONS



A - IL.1.h.1020: Suitable for the gear box applications. Two height (h) alternatives are available.

B - IL.2.h.1020: Suitable for the gear-box applications. Four height (h) alternatives are available.

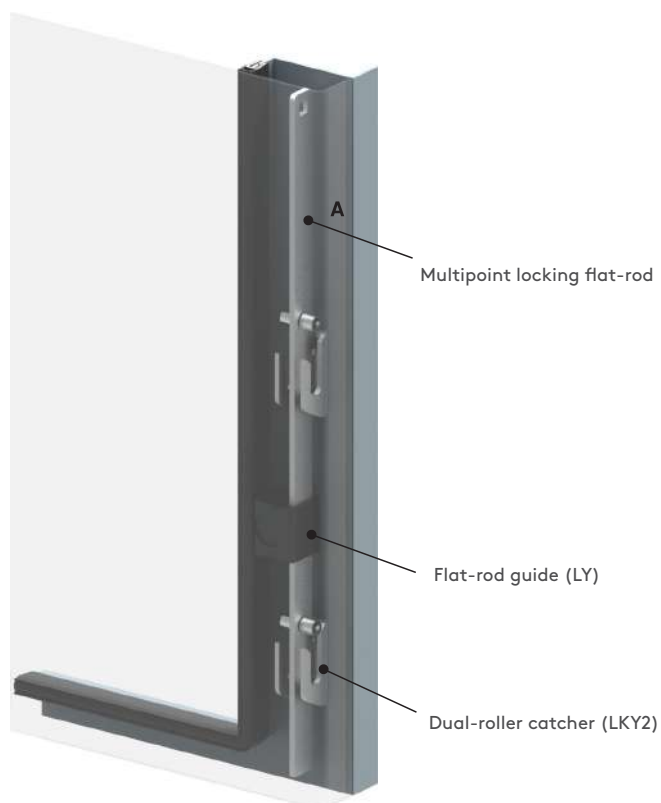
- Flat-rod guide must be used for all espagnolette flat-rod applications. Please check the accessory pages
- Standard flat-rod length is 1020mm



## Flat rod applications for multipoint locking and accessories.

### ILP

#### ► MULTIPOINT LOCKING FLAT-ROD APPLICATIONS



Outside the gasketing applications

A - ILP.1.575 Suitable for out-of-gasket locks

- Flat-rod guide and dual-roller catcher must be used for all espagnolette flat-rod applications. Please check the accessory pages

## ▶ ROUND-ROD ACCESSORIES

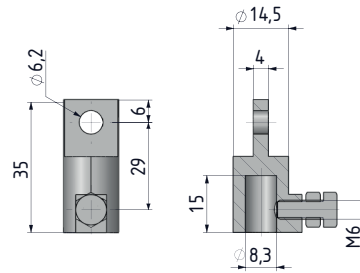
### ROD ADAPTER

CT1



**MATERIAL**  
Zamak DIN-EN 1774-ZnAl4Cu1

**FINISH**  
Zinc plated



| MATERIAL        | FINISH      | PRODUCT CODE |
|-----------------|-------------|--------------|
| Zamak           | Zinc plated | CT113        |
| Stainless Steel | No finish   | CT140        |



### ROD ADAPTER

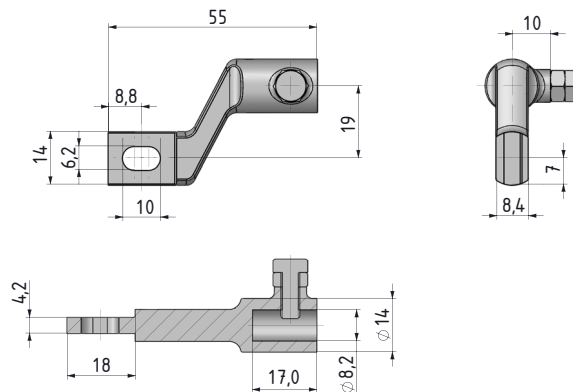
CT2



- For horizontal application

**MATERIAL**  
Zamak DIN-EN 1774-ZnAl4Cu1

**FINISH**  
Zinc plated

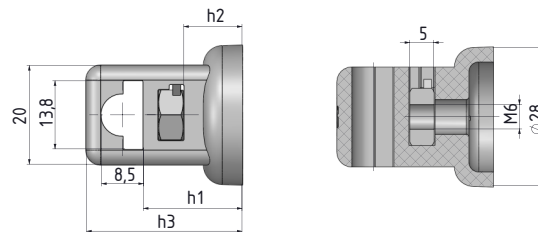


### ROUND-ROD GUIDE

CY1



**MATERIAL**  
Polyamide PA6 GFR 30



| H1 | H2 | H3 | FIXING SCREW | PRODUCT CODE |
|----|----|----|--------------|--------------|
| 20 | 12 | 32 | M6 X 16      | CY120        |
| 24 | 16 | 36 | M6 X 20      | CY124        |
| 26 | 18 | 38 | M6 X 22      | CY126        |

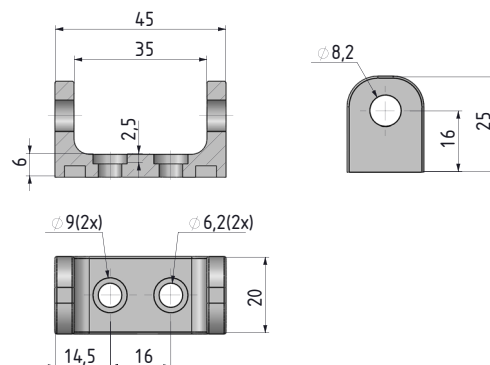


### ROUND-ROD GUIDE

CY2

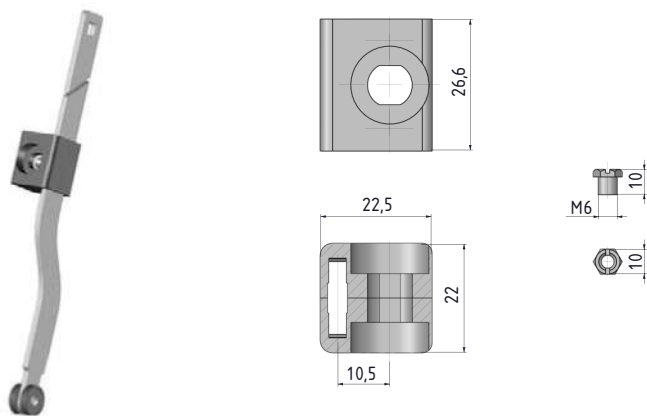


**MATERIAL**  
Delrin



LY1

FLAT ROD GUIDE



| MATERIAL        | FINISH    | PRODUCT CODE |
|-----------------|-----------|--------------|
| Plastic         | No finish | LY120        |
| Stainless Steel | No finish | LY140        |

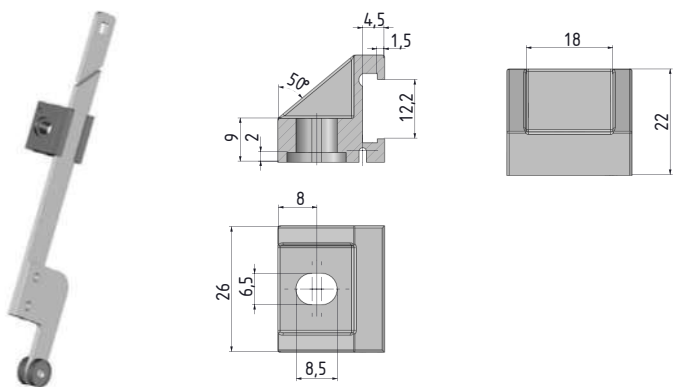


NEW



LY2

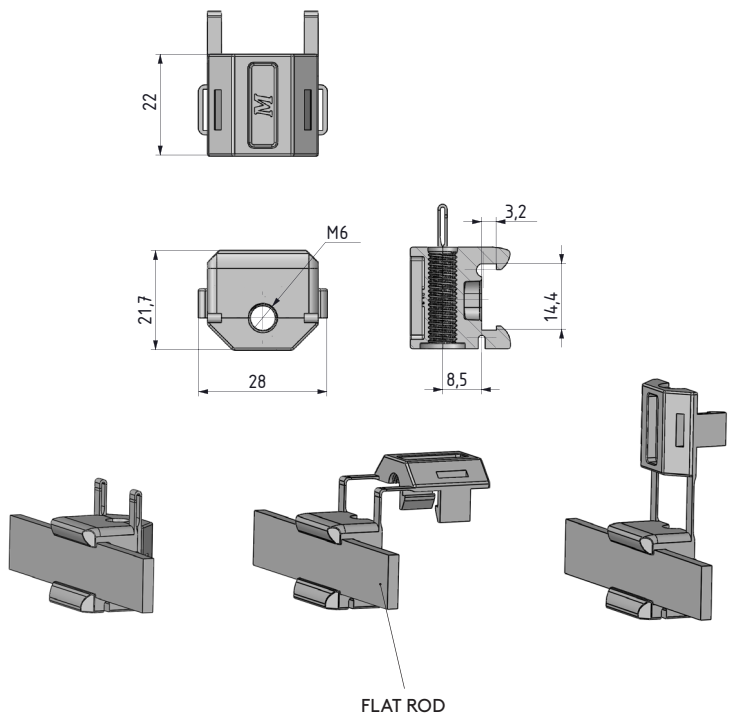
FLAT-ROD GUIDE



MATERIAL  
Polyamide PA6 GFR 30

LY3

FLAT ROD GUIDE (Easy fixing)



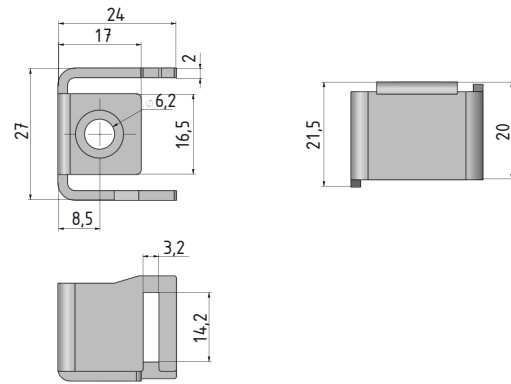
MATERIAL  
Polyamide PA6 GFR 30

**FLAT-ROD GUIDE**

**LY40**



**MATERIAL**  
Stainless steel

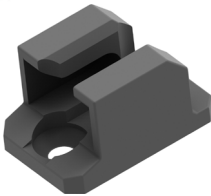


**DUAL - ROLLER CATCHER**

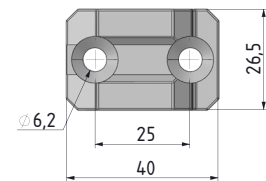
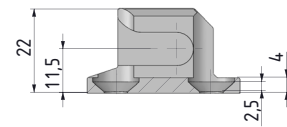
**LKY1**



NEW



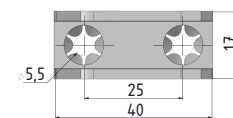
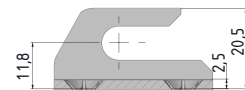
NEW



| MATERIAL        | FINISH       | PRODUCT CODE |
|-----------------|--------------|--------------|
| Plastic         | No finish    | LKY120       |
| Zamak           | Zinc plated  | LKY113       |
| Zamak           | Black coated | LKY112       |
| Stainless Steel | No finish    | LKY140       |

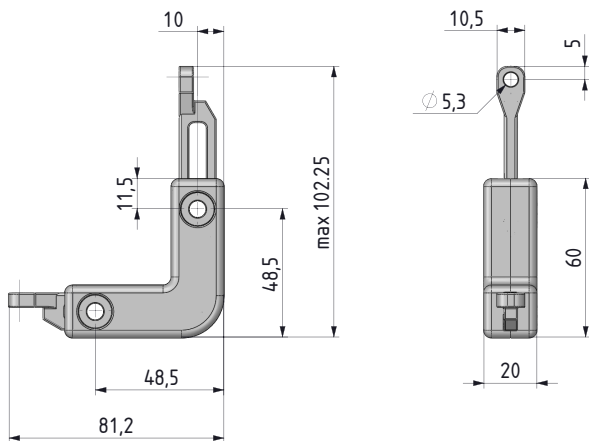
**DUAL - ROLLER CATCHER**

**LKY2**



| MATERIAL        | FINISH      | PRODUCT CODE |
|-----------------|-------------|--------------|
| Steel           | Zinc plated | LKY263       |
| Stainless Steel | No finish   | LKY240       |





RCC

ROD CORNER CONTROL



- Used to convert the vertical movement of the flat rods to horizontal movement
- 8 point locking is possible for security reasons

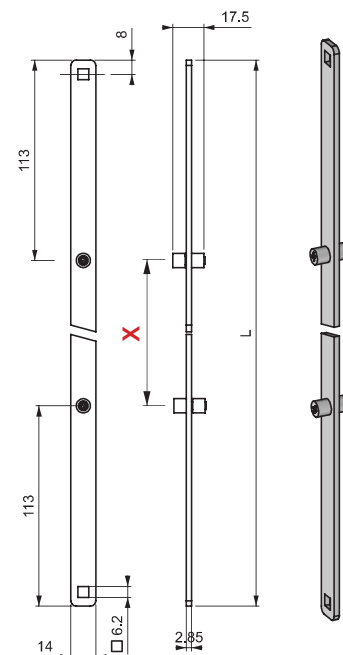
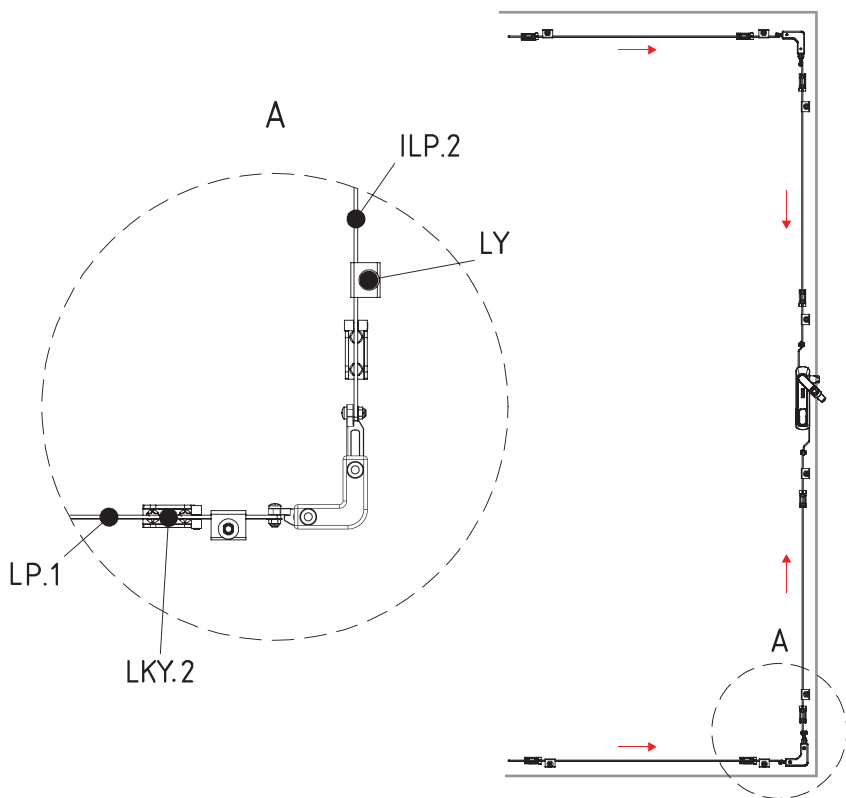
MATERIAL

BODY: Polyamide PA6 GFR 30

RODS: Zamak DIN-EN 1774-ZnAl4Cu1

ILP

MULTIPOINT LOCKING FLAT ROD



| Group Code | Version | Length Between Pins |
|------------|---------|---------------------|
| ILP        | 2       | X                   |

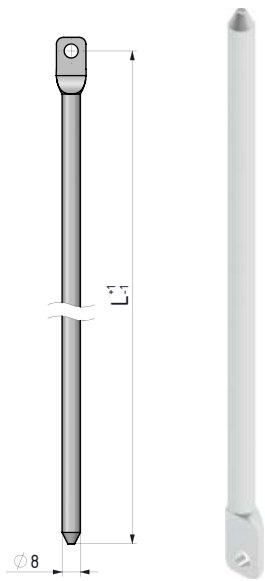
Please specify for different 'X' length

MATERIAL

Steel

FINISH

Zinc Plated



**V: 1**

| L mm | PRODUCT CODE |
|------|--------------|
| 400  | IC 1-400     |
| 500  | IC 1-500     |
| 600  | IC 1-600     |
| 700  | IC 1-700     |
| 800  | IC 1-800     |
| 900  | IC 1-900     |
| 1000 | IC 1-1000    |

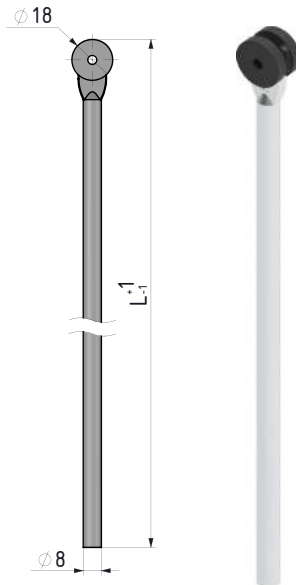
**Application:**

- With gear-box locks
- Locks with three-point cam



**Accessories:**

- Round-rod guide (CY)



**V: 2**

| L mm | PRODUCT CODE |
|------|--------------|
| 400  | IC 2-400     |
| 500  | IC 2-500     |
| 600  | IC 2-600     |
| 700  | IC 2-700     |
| 800  | IC 2-800     |
| 900  | IC 2-900     |
| 1000 | IC 2-1000    |

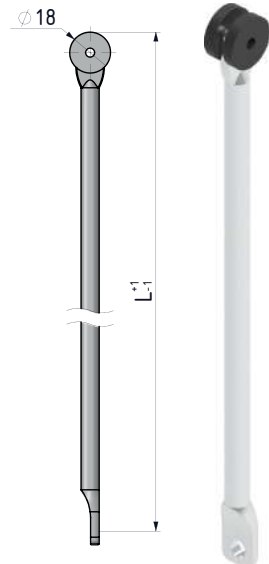
**Application:**

- With gear-box locks
- Locks with three-point cam



**Accessories:**

- Round-rod guide (CY)
- Rod adapter (CT)



**V: 3**

| L mm | PRODUCT CODE |
|------|--------------|
| 400  | IC 3-400     |
| 500  | IC 3-500     |
| 600  | IC 3-600     |
| 700  | IC 3-700     |
| 800  | IC 3-800     |
| 900  | IC 3-900     |
| 1000 | IC 3-1000    |

**Application:**

- Locks with three-point cam

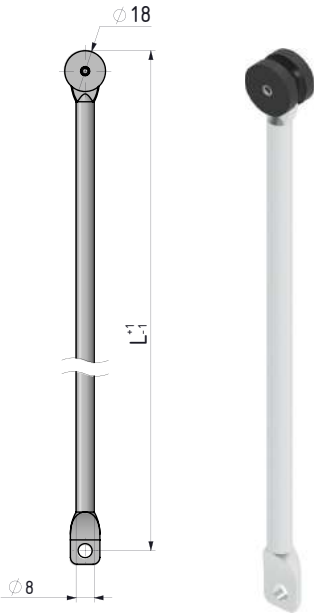


**Accessories:**

- Round-rod guide (CY)
- Stainless steel version: page 430

| Group Code | Version | Length |
|------------|---------|--------|
| IC         | V       | L      |

For different 'L' lengths, please contact Essentra



V: 4

| L mm | PRODUCT CODE |
|------|--------------|
| 400  | IC 4-400     |
| 500  | IC 4-500     |
| 600  | IC 4-600     |
| 700  | IC 4-700     |
| 800  | IC 4-800     |
| 900  | IC 4-900     |
| 1000 | IC 4-1000    |

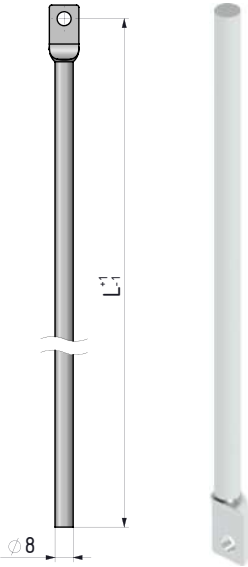
Application:

- With gearbox locks



Accessories:

- Round-rod guide (CY)



V: 5

| L mm | PRODUCT CODE |
|------|--------------|
| 400  | IC 5-400     |
| 500  | IC 5-500     |
| 600  | IC 5-600     |
| 700  | IC 5-700     |
| 800  | IC 5-800     |
| 900  | IC 5-900     |
| 1000 | IC 5-1000    |

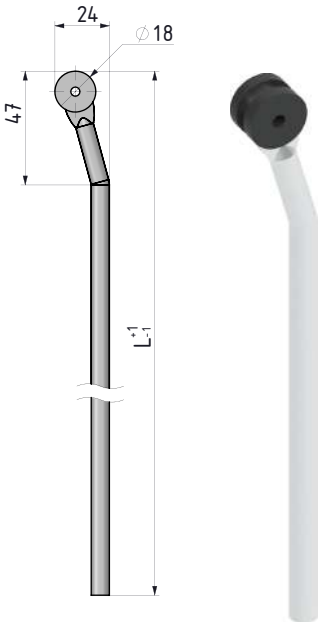
Application:

- With gear-box locks
- Locks with three-point cam



Accessories:

- Round-rod guide (CY)



V: 6

| L MM | PRODUCT CODE |
|------|--------------|
| 400  | IC 6-400     |
| 500  | IC 6-500     |
| 600  | IC 6-600     |
| 700  | IC 6-700     |
| 800  | IC 6-800     |
| 900  | IC 6-900     |
| 1000 | IC 6-1000    |

Application:

- With gear-box locks
- Locks with three-point cam



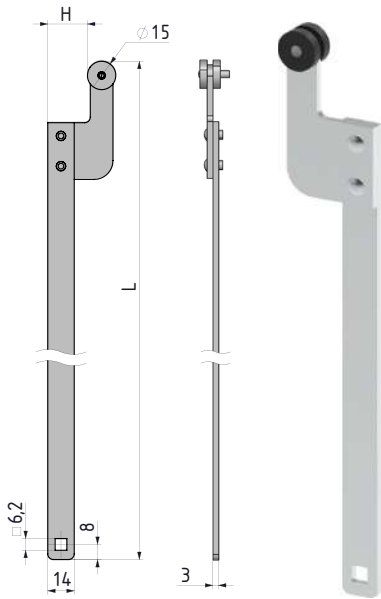
Accessories:

- Round-rod guide (CY)
- Rod adapter (CT)

• Stainless steel version:  
page 542

| Group Code | Version | Length |
|------------|---------|--------|
| IC         | V       | L      |

For different 'L' lengths, please contact Essentra



V:1

| H mm | L mm | PRODUCT CODE |
|------|------|--------------|
| 27   | 1020 | IL 1-27-1020 |
| 13   | 1020 | IL 1-13-1020 |

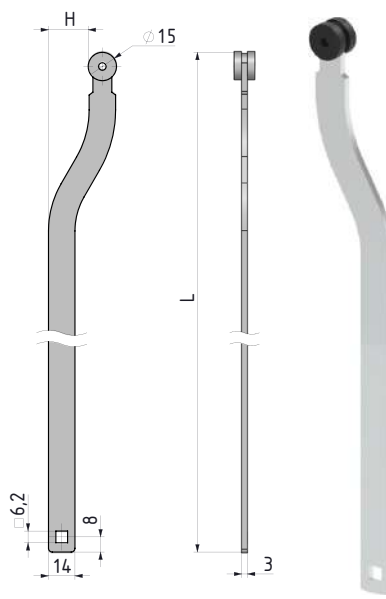
**Application:**

- With gear-box locks



**Accessories:**

- Flat-rod guide (LY)



V:2

| H mm | L mm | PRODUCT CODE |
|------|------|--------------|
| 21   | 1020 | IL 2-21-1020 |
| 16   | 1020 | IL 2-16-1020 |

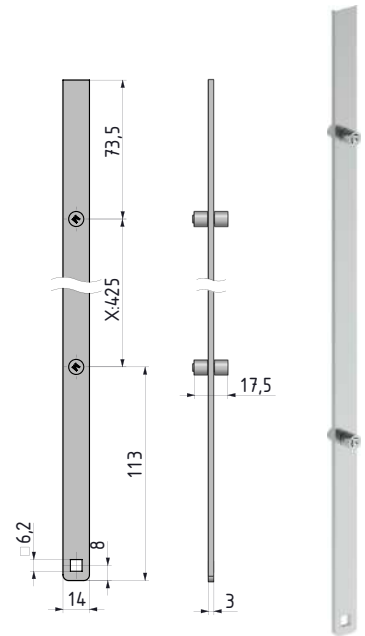
**Application:**

- With gear-box locks



**Accessories:**

- Flat-rod guide (LY)



V:1

| X mm | PRODUCT CODE |
|------|--------------|
| 575  | ILP 1-575    |

**Application:**

- With gear-box locks



**Accessories:**

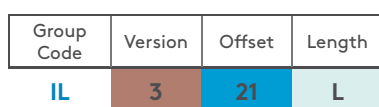
- Flat-rod guide (LY)
- Dual-roller catcher (LKY)
- Stainless steel version: page 453

| Group Code | Version | Offset | Length |
|------------|---------|--------|--------|
| IL         | V       | H      | L      |

For different 'L' lengths, please contact Essentra Components

| Group Code | Version | Length Between Pins |
|------------|---------|---------------------|
| ILP        | 1       | X                   |

Please specify for different 'X' length



| STOCK CODE | CH | CL |
|------------|----|----|
| 30403591Y  | 5  | 45 |
| 30403592Y  | 20 | 45 |



- MATERIAL**  
Steel
- FINISH**  
Zinc plated



FLAT ROD



**MATERIAL**  
Steel

**FINISH**  
Zinc plated

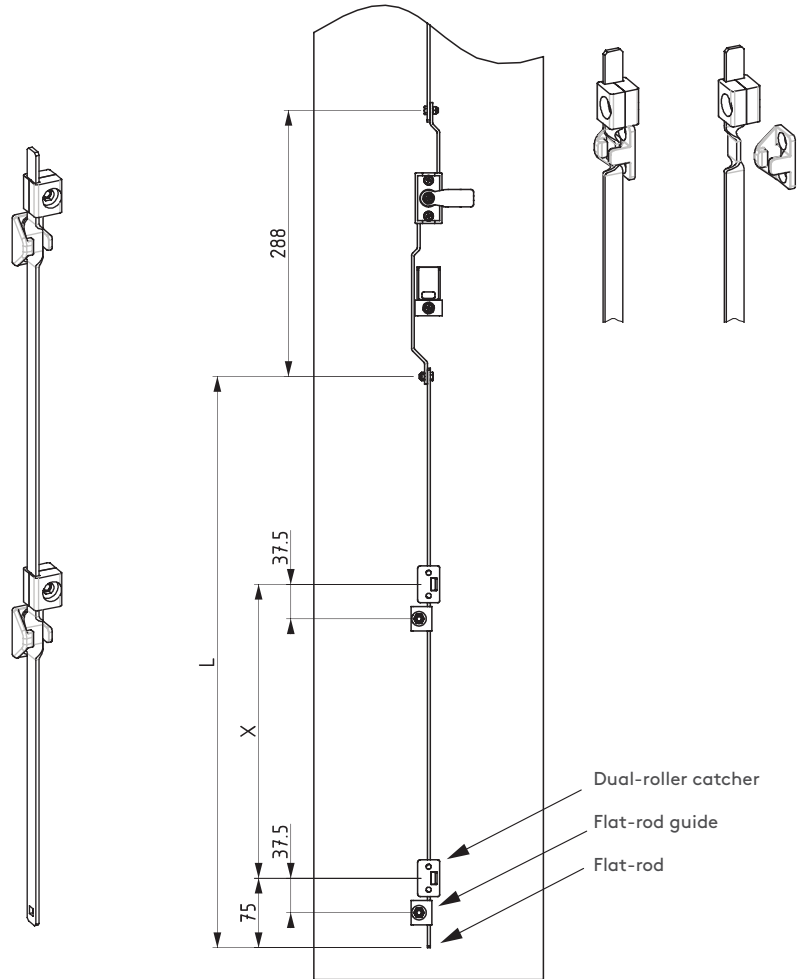
DUAL-ROLLER CATCHER

LKY3



**MATERIAL**  
Zamak DIN-EN 1774-ZnAl4Cu1

**FINISH**  
Zinc plated



| Group Code | Version | Length | Locking |
|------------|---------|--------|---------|
| IL         | 4       | L      | X       |

