



**2022**  
LOCKS FOR GATES AND DOORS

## WE GENERATE EXCITEMENT.

Since the foundation of the company in 1890 until today the goal has remained the same: the highest quality in products and services. Nevertheless, the circumstances, tasks and challenges have changed, of course. By focussing on our core areas of expertise, we have long set new standards for innovative clamping technology - driven by our own development, the greatest possible flexibility and passion for individual solutions.

All this is only possible with committed and contented employees. Respectful interaction with others, personal development and measures for the wellbeing of each individual are therefore values that matter to us.



Company Management:  
Wolfgang Balle, Johannes Maier (CEO), Jürgen Förster

## OUR COMPANY HISTORY

- 1890 Company founded as a lock manufacturer by Andreas Maier.
- 1920 Product range extended to include spanners.
- 1928 Production line assembly of FELLBACH LOCKS.
- 1951 Introduces clamping elements and diversifies into workpiece and tool clamping technology.
- 1965 Toggle clamps extend the AMF product range, AMF catalogues are now printed in ten languages.
- 1975 Further specialisation into hydraulic clamping technology.
- 1982 Clamping and fixture systems round off AMF's clamping expertise.
- 1996 AMF team organisation in all sectors of the business, Quality management with certification to ISO 9001.
- 2001 AMF Service Guarantee for all products.
- 2004 Introduction of the ZPS zero-point clamping system.
- 2007 The magnetic clamping technology extends the AMF product range.
- 2009 Development and marketing of AMF Vacuum clamping technology.
- 2012 LOW-COST AUTOMATION gripping, clamping, marking and cleaning.
- 2014 AMF presents the most extensive product range of automation solution in zero-point clamping technology.
- 2017 Wireless sensing systems extend the expertise into Industry 4.0 and blends seamlessly into the AMF product range.

## PLEDGES THAT COUNT IN EVERYDAY LIFE

For this reason, we have a few principles that we follow by conviction and which always apply..

### INDIVIDUAL DEVELOPMENT

Even if the product you need does not even exist yet, we will find the right solution with you: from special designs to new developments, everything is possible.

### WARRANTY

If, despite our high quality standard, there is a complaint, this is dealt with quickly and unbureaucratically, even beyond the warranty period.

### HIGHEST QUALITY STANDARDS

Careful manufacturing based on tradition since 1890, and naturally with a modern quality management system according to ISO 9001 for many years.

### SHORT DELIVERY TIME

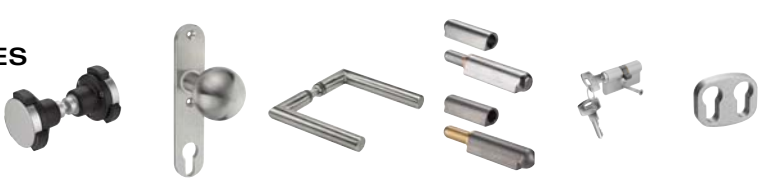
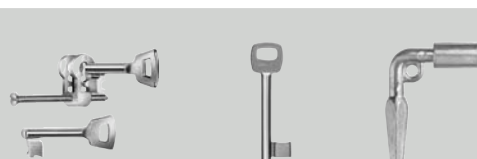
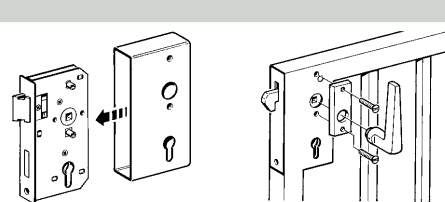
With over 5,000 articles in our warehouse, you can expect your order to be dispatched on the same day.

### COMPETENT SERVICE FROM EXPERTS

Your local retail partner or the specialists in our team will find the right solution for every task.

### MADE IN GERMANY

Our entire product range is developed and manufactured exclusively by our employees in Germany.

|                                                                   |                                                                                       |                 |
|-------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------|
| <b>CASED LOCK RANGE IN STAINLESS STEEL</b>                        |     | <b>10 - 19</b>  |
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| <b>TUBE-FRAME LOCKS</b>                                           |   | <b>78 - 81</b>  |
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## LATCH HEAD, PLASTIC

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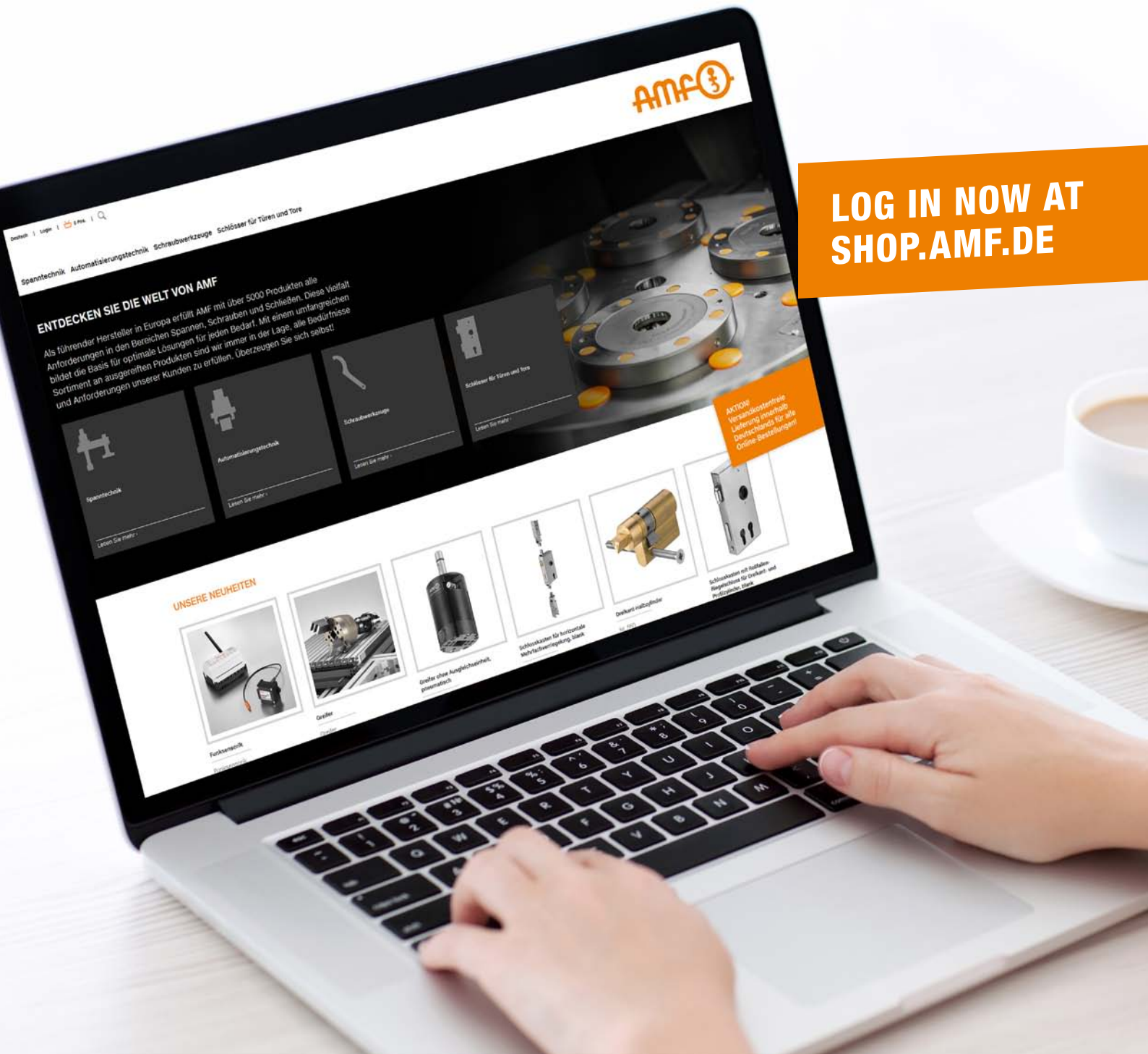






## CONVENIENT ORDERING – IN OUR ONLINE SHOP

- + Over 6000 products can be ordered online
- + Order tracking online
- + Easy download of CAD data
- + Online inquiry of availability
- + Management of different shopping carts



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SHOP.AMF.DE**





## DESIGN COMPANY AMF - FOR A SOPHISTICATED APPEARANCE

A cased lock is, first and foremost, an object that should fulfil its purpose reliably, day by day, for many years.

Our development department combines this function with an individual design that is completely tailor-made to the location of your AMF cased lock. Making your door concept a real eye-catcher.

See the individual fittings for yourself - designed & made by AMF.

Our development department is there to help you:

**Steffen Kommode** | Product design Locks | [kommode@amf.de](mailto:kommode@amf.de)



## EXPERTS SINCE 1890

Almost every day we receive enquiries on the subjects of products, orders and shipping.

Questions about any topic you could imagine. We take your questions seriously, and are glad to answer them for you. Quality, reliability and speed have always been our top priorities.

Here we would like to present some of the questions that we receive most often. Perhaps one or more of them is just what you were thinking of asking.



### ? HOW LONG DO I HAVE TO WAIT FOR MY DELIVERY?

! Every order that we receive before 4:30 p.m. CET is shipped here at AMF on the very same day.

### ? CAN YOU SHIP DIRECTLY TO MY CUSTOMERS?

! Of course. For a fee of five euros we will send the goods exactly according to your wishes.

### ? ARE THE PRODUCTS THAT I WANT TO ORDER ACTUALLY AVAILABLE?

! Our capacities guarantee an availability of 98%. If you want to be absolutely sure, simply give us a call. You can reach us between 7:30 a.m. and 4:30 p.m. CET at +49 711/5766-0.

### ? CAN YOU GUARANTEE ME CONSISTENT QUALITY?

! Yes. And it is certified, too. Because AMF is a DIN EN ISO 9001-certified company. Our work processes are inspected annually.

### ? WHAT FITTINGS ARE SUITABLE FOR WHICH LOCKS?

! For our lock case product range there are fittings in stainless steel, aluminium and forged steel. These are suitable for all lock cases with profile cylinder bores. There are also fittings for all tube-frame locks and suitable fittings for garage door locks.

### ? WHY DO AMF LOCK CASES NOT HAVE ANY ZINC DRAIN HOLES?

! The locksmith creates the zinc drain holes for the entire gate after the gate has been completely welded together. The size and position of the holes are determined by his knowledge and experience and the position of the lock case.

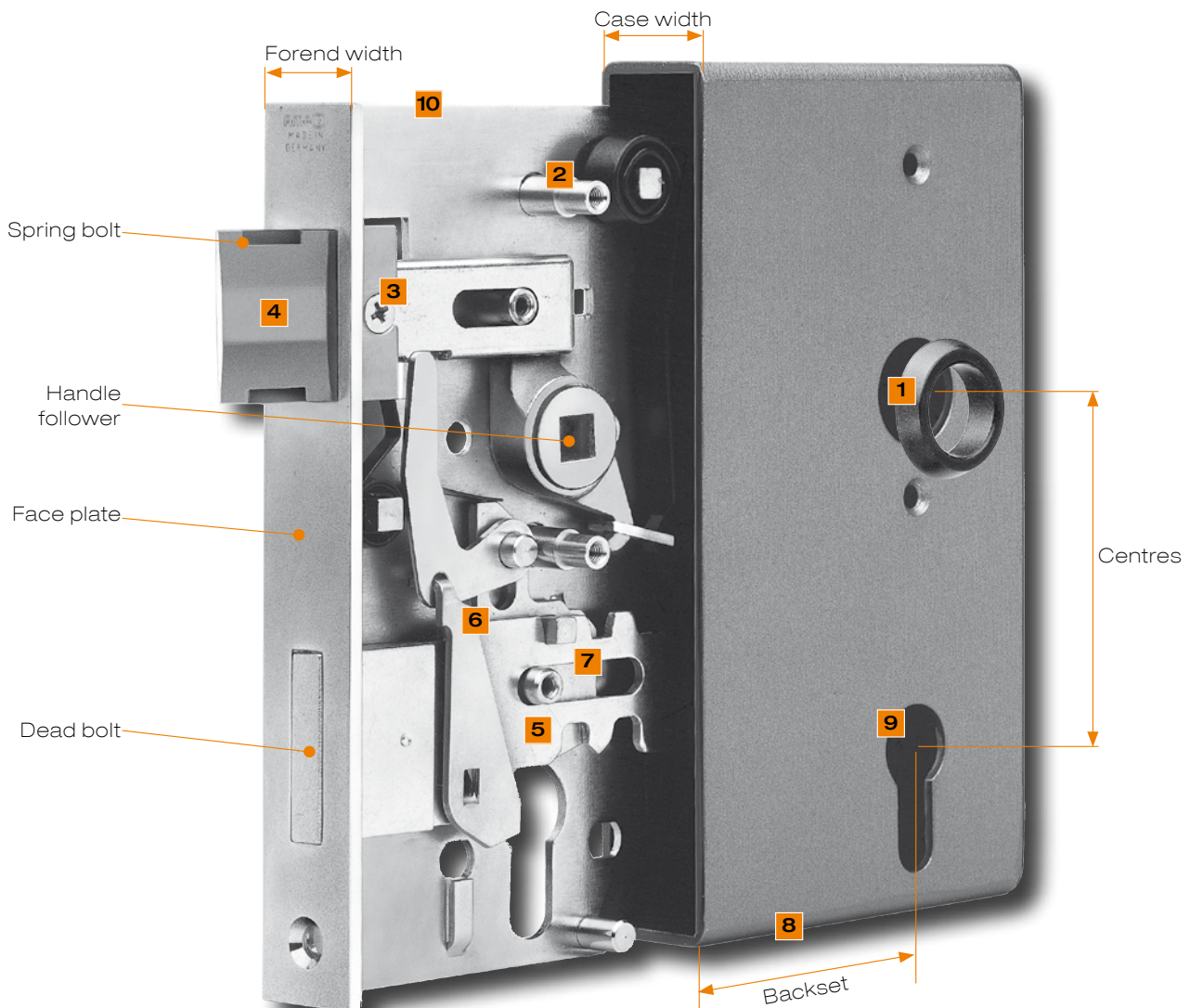
### ? WHAT IS THE DIFFERENCE BETWEEN A PZ LOCK AND A RZ LOCK?

! AMF locks are used far beyond the borders of Germany. PZ stands for the profile cylinders used in Germany, RZ for the Swiss round cylinder.

### ? WHY DO AMF LOCK CASES HAVE MOVABLE SOLID SLEEVES?

! The forces that arise when the lock is screwed tight in the lock case must not have any effect on the internal parts of the lock. This keeps the lock from being distorted and ensures free movement.

## Ten reasons to specify AMF lock case no. 140



### 1 LEVER ROSES

included, 18 mm for light-alloy fittings.

### 2 SOLID SLEEVES

continuous, for easy installation without distorting the lock.

### 3 SPRING BOLT LENGTH

3 mm, projecting, convertible to 8 mm with long spring bolt. Right/left conversion with rugged Philips screw.

### 4 SPRING BOLT THICKNESS

15.5 mm, steep bolt chamfers enable soft insertion with a long spring bolt travel of 12 mm.

### 5 DEAD BOLT

2 rotations = 2 x pre-locking of the dead bolt is possible.

### 6 NIGHT LATCH FUNCTION

2-part design for easy spring bolt actuation.

### 7 PERMANENTLY LUBRICATED

Installation for long functional capability.

### 8 EDGE RADII

with neat, even workmanship, made in Germany.

### 9 CYLINDER

Optionally prepared for profile cylinder (PZ), Swiss round cylinder (RZ) or bit key adapter set.

### 10 CORROSION PROTECTION

As standard. All parts including springs fully galvanized. Choice of brass or die-cast zinc spring bolt and dead bolt.



## ELEGANT LOCK CASES - ELEGANT QUALITY

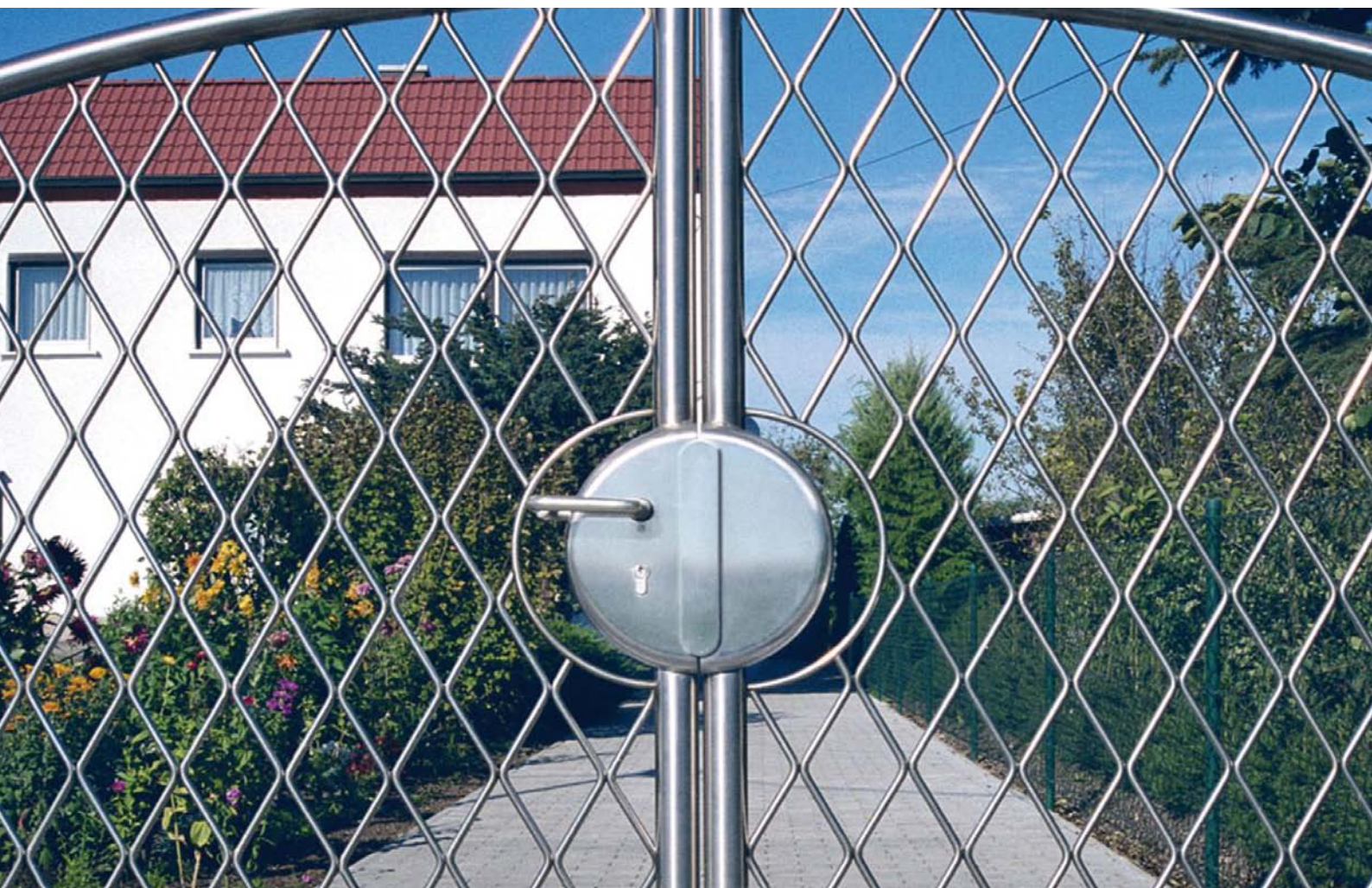
- > Sophisticated visual design
- > Flawless workmanship
- > Extremely tough

### STAINLESS STEEL - THE EMOTIONAL MATERIAL!

Elegant but not extravagant, understated but not just ordinary steel - it embodies the distinctive personality of its owner.

No finishing treatment, e.g. painting or galvanizing, is needed either before or after installation. This saves time and additional costs.

The price/performance ratio speaks in favour of an unlimited range of possible applications.





## No. 140CNIG

### Lock case, V2A

Stainless steel, **polished**, mesh 240. With zinc-plated lock no. 142CNIG, with stainless steel fore-end, polished. Brass spring bolt and bolt. Can be used for left or right closing by turning the spring bolt. Prepared for profile cylinder (PZ) or bit key adapter set. With night latch function. Incl. handle rosette set no. 494.

- backset 60 mm
- rotation 2 turn
- follower 8 mm
- centres 72 mm
- spring-bolt projection 3 mm



#### Recommendations

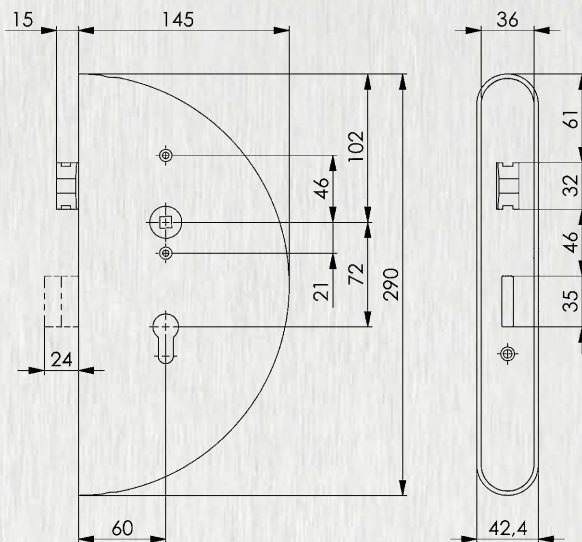


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page 55

| Order no.    | Case depth<br>[mm] | Closure | Dimension<br>[mm] | Material thickness<br>[mm] | Weight<br>[g] |
|--------------|--------------------|---------|-------------------|----------------------------|---------------|
| <b>14530</b> | 42,4               | PZW     | 42,4 x 145 x 290  | 3,0                        | 3000          |



## No. 144CNIG

### Striking box, V2A

Stainless steel, **polished**, mesh 240. For screwing on (see no. 140CNIG-A42) or welding on. Can be used on left or right. Prepared for electric door opener. Incl. striking plate, stainless steel.



#### Recommendations



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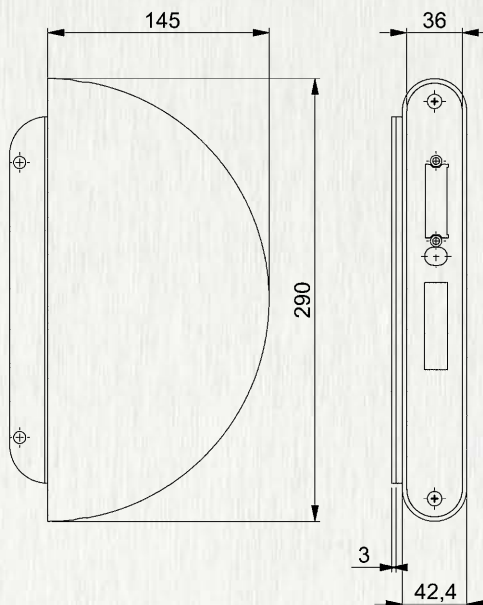


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| Order no.    | Case depth<br>[mm] | Dimension<br>[mm] | Material thickness<br>[mm] | Weight<br>[g] |
|--------------|--------------------|-------------------|----------------------------|---------------|
| <b>14571</b> | 42,4               | 42,4 x 145 x 290  | 3,0                        | 2500          |



Subject to technical alterations.

## No. 141ENIG

### Lock case, V2A

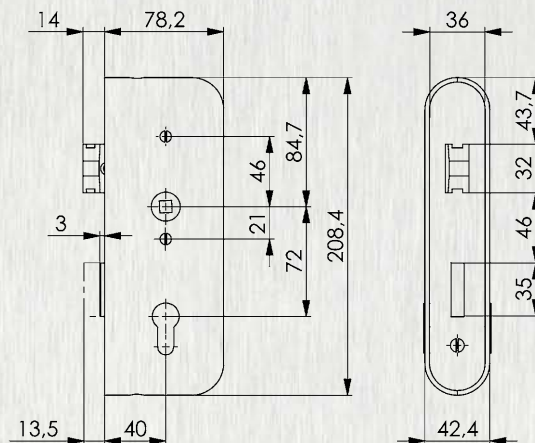
Stainless steel, **polished**, mesh 240. With zinc-plated lock no. 143ENIG, with stainless steel fore-end, polished. Spring bolt and bolt nickel-plated. Can be used for left or right closing by turning the spring bolt. Prepared for profile cylinder (PZ) or bit key adapter set. With night latch function.

Incl. handle rosette set no. 494.

- backset 40 mm
- rotation 1 turn
- follower 8 mm
- centres 72 mm
- spring-bolt projection 2 mm
- bolt protection 3 mm



| Order no. | Case depth<br>[mm] | Closure | Dimension<br>[mm]   | Material thickness<br>[mm] | Weight<br>[g] |
|-----------|--------------------|---------|---------------------|----------------------------|---------------|
| 10454     | 42,4               | PZW     | 42,4 x 78,2 x 208,4 | 3,0                        | 1400          |



#### Recommendations



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CAD



## No. 146ENIG

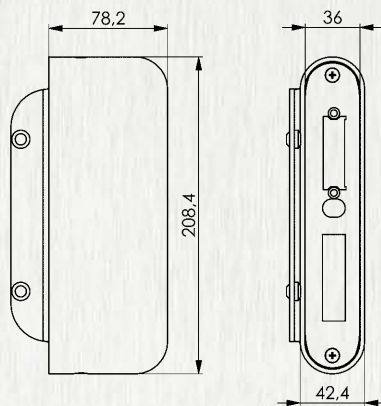
### Striking box, V2A

Stainless steel, **polished**, mesh 240. For screwing on (see no. 140ENIG-A42) or welding on. Can be used on left or right. Prepared for electric door opener.

Incl. striking plate, stainless steel.



| Order no. | Case depth<br>[mm] | Dimension<br>[mm]   | Material thickness<br>[mm] | Weight<br>[g] |
|-----------|--------------------|---------------------|----------------------------|---------------|
| 10462     | 42,4               | 42,4 x 78,2 x 208,4 | 3,0                        | 1240          |



CAD



#### Recommendations



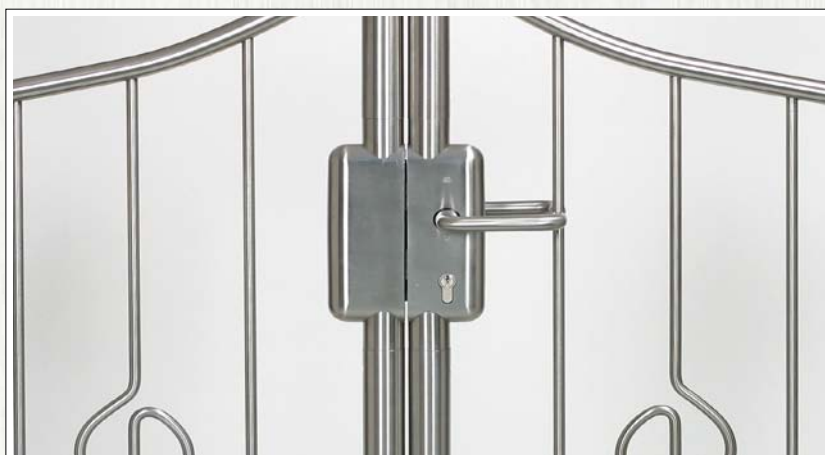
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Subject to technical alterations.



## No. 140UNIG

### Lock case, V2A, polished

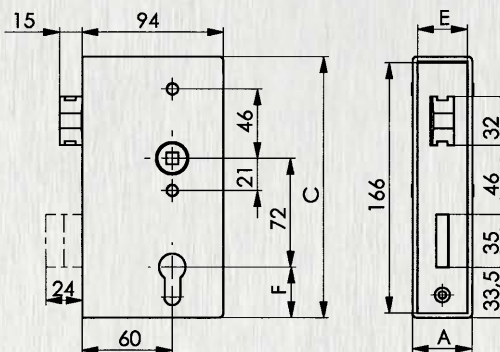
Stainless steel, **polished**, mesh 240. With zinc-plated lock no. 142UNIG-\*\*, with stainless steel fore-end, polished. Brass spring bolt and bolt. Can be used for left or right closing by turning the spring bolt. Prepared for profile cylinder (PZ) or bit key adapter set. With night latch function.

Incl. handle rosette set no. 494.

- backset 60 mm
- rotation 2 turn
- follower 8 mm
- centres 72 mm
- spring-bolt projection 3 mm



| Order no.    | Case width A<br>[mm] | Closure | C<br>[mm] | E<br>[mm] | F<br>[mm] | Material thickness<br>[mm] | Weight<br>[g] |
|--------------|----------------------|---------|-----------|-----------|-----------|----------------------------|---------------|
| <b>14639</b> | 30                   | PZW     | 172       | 24        | 33,5      | 2,5                        | 1550          |
| <b>14159</b> | 40                   | PZW     | 173       | 33        | 34,0      | 3,0                        | 1790          |
| <b>10587</b> | 42,4                 | PZW     | 173       | 36        | 34,0      | 3,0                        | 1950          |



### Recommendations



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## No. 142UNIG

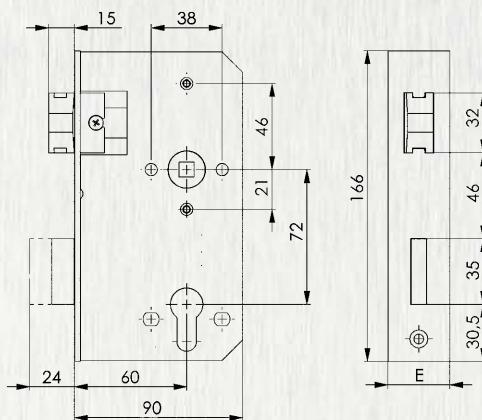
### Lock, zinc-plated

with stainless steel fore-end, polished. Brass spring bolt and bolt. Can be used for left or right closing by turning the spring bolt. Prepared for profile cylinder (PZ) or bit key adapter set. Night latch function.

- backset 60 mm
- rotation 2 turns
- follower 8 mm
- centres 72 mm
- spring-bolt projection 3 mm



| Order no.    | for case width<br>[mm] | Closure | E<br>[mm] | Weight<br>[g] |
|--------------|------------------------|---------|-----------|---------------|
| <b>14332</b> | 30                     | PZW     | 24        | 770           |
| <b>14357</b> | 40                     | PZW     | 33        | 810           |
| <b>10603</b> | 42,4                   | PZW     | 36        | 840           |



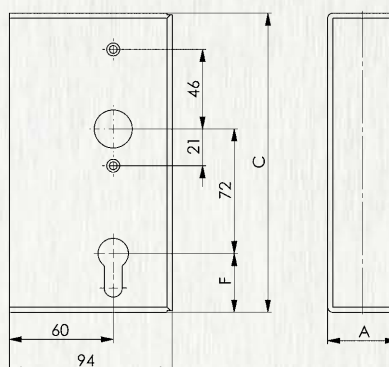
## No. 140KNIG

### Lock case, empty, V2A, polished

Accessories: handle rosette set no. 494.



| Order no.    | Case width A<br>[mm] | C<br>[mm] | F<br>[mm] | Material thickness<br>[mm] | Weight<br>[g] |
|--------------|----------------------|-----------|-----------|----------------------------|---------------|
| <b>14605</b> | 30,0                 | 172       | 33,5      | 2,5                        | 765           |
| <b>14050</b> | 40,0                 | 173       | 34,0      | 3,0                        | 990           |
| <b>11171</b> | 42,4                 | 173       | 34,0      | 3,0                        | 1050          |



Subject to technical alterations.

## No. 140IG

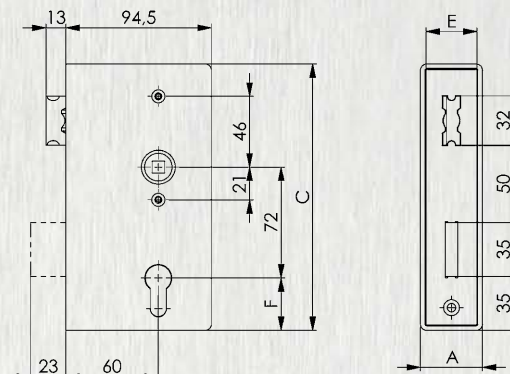
### Lock case, V2A

Stainless steel, ground, 240 grain.  
With stainless steel lock 142I. Can be used for left or right closing by turning the latch head. Prepared for profile cylinder (PZ) or bit key adapter set. With night latch.  
Incl. lever rose set no. 494.

- Backset 60
- rotation 2 turns
- spindle 8 mm
- spacing 72 mm



| Order no. | Case width A [mm] | Closure | C [mm] | E [mm] | F [mm] | Material thickness [mm] | Weight [g] |
|-----------|-------------------|---------|--------|--------|--------|-------------------------|------------|
| 564152    | 30                | PZW     | 172    | 24     | 33,5   | 2,5                     | 1430       |
| 564153    | 40                | PZW     | 173    | 33     | 34,0   | 3,0                     | 1680       |



## No. 142I

### Lock, V2A

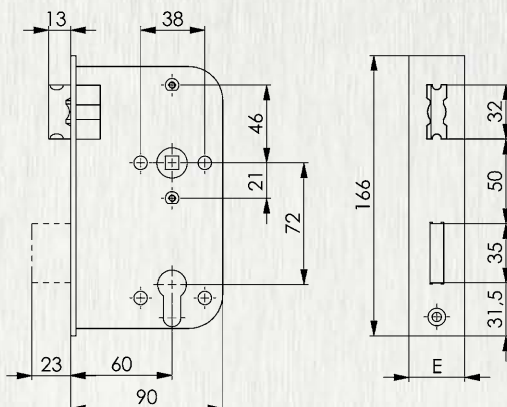
Stainless steel. Can be used for left or right closing by turning the latch head. Prepared for profile cylinder (PZ) or bit key adapter set. With night latch.

Incl. lever rose set no. 494.

- Backset 60
- rotation 2 turns
- spindle 8 mm
- spacing 72 mm



| Order no. | for case width [mm] | Closure | E [mm] | Weight [g] |
|-----------|---------------------|---------|--------|------------|
| 564154    | 30                  | PZW     | 24     | 650        |
| 564155    | 40                  | PZW     | 33     | 690        |



#### Recommendations



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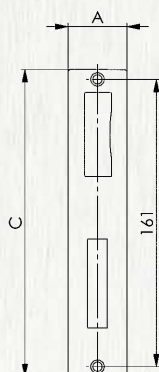
## No. 147I

### Striking plate, V2A

Stainless steel.  
Accessories: 2 flat-head screws M4 x 8 mm, stainless steel.



| Order no. | for case width [mm] | A [mm] | C [mm] | Material thickness [mm] | Weight [g] |
|-----------|---------------------|--------|--------|-------------------------|------------|
| 564156    | 30                  | 24     | 171    | 3                       | 55         |
| 564157    | 40                  | 33     | 172    | 3                       | 90         |





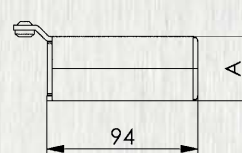
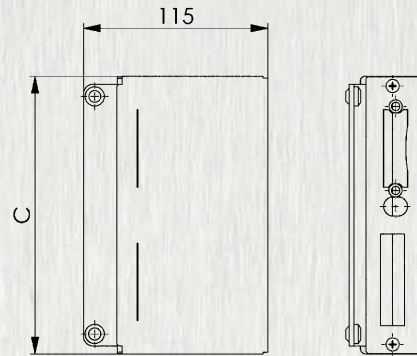
## No. 144ETNIG

### Striking box, V2A

Stainless steel, **polished**, mesh 240.  
For welding. Can be used on left or right.  
Prepared for electric door opener.  
Incl. striking plate, stainless steel.



| Order no.    | Case width A<br>[mm] | C<br>[mm] | Weight<br>[g] |
|--------------|----------------------|-----------|---------------|
| <b>10975</b> | 30                   | 172       | 950           |
| <b>10967</b> | 40                   | 173       | 1250          |
| <b>11593</b> | 42,4                 | 173       | 1275          |



#### Recommendations



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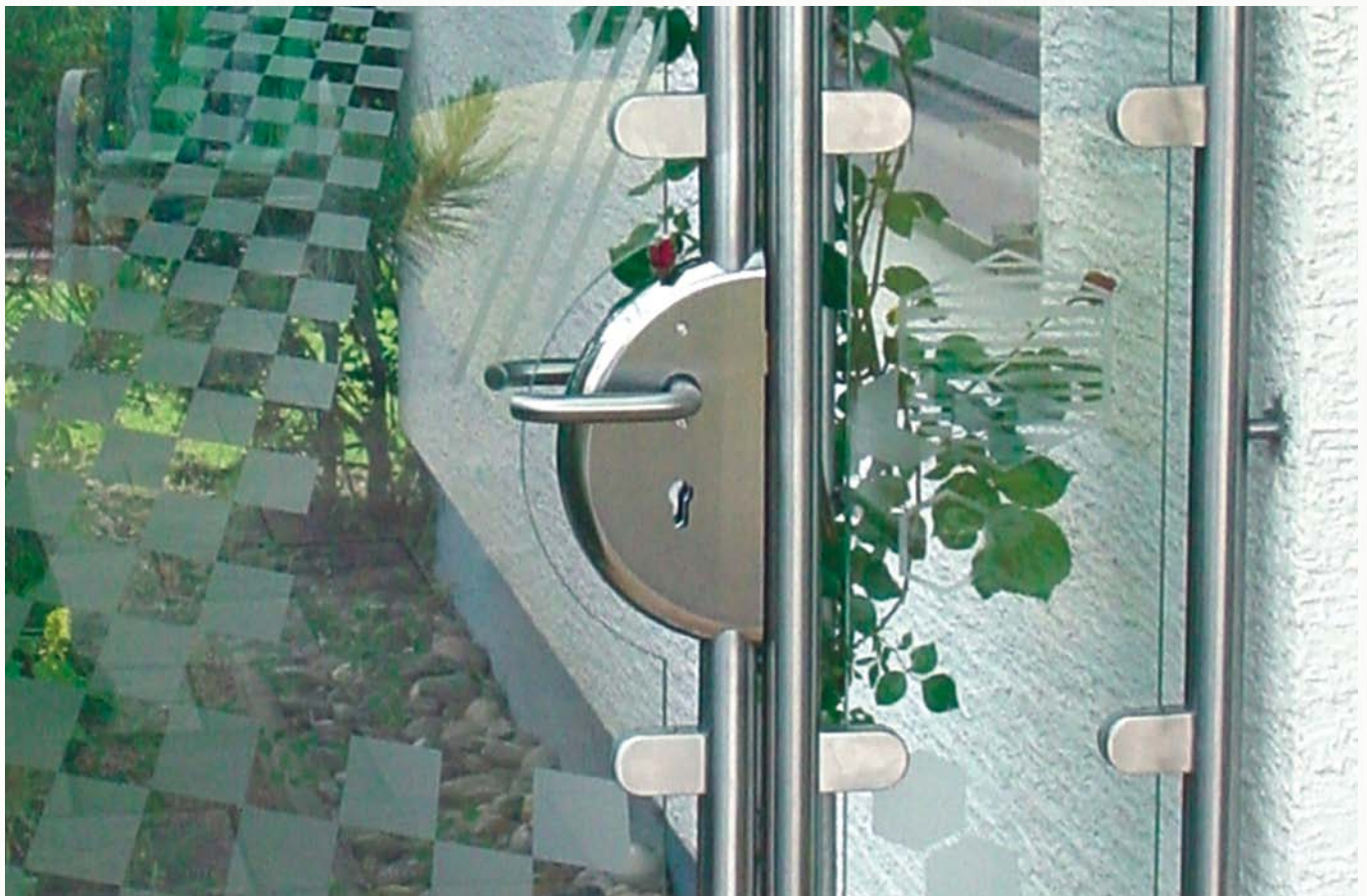


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CAD



Subject to technical alterations.



## No. 141UNIG

### Lock case, V2A

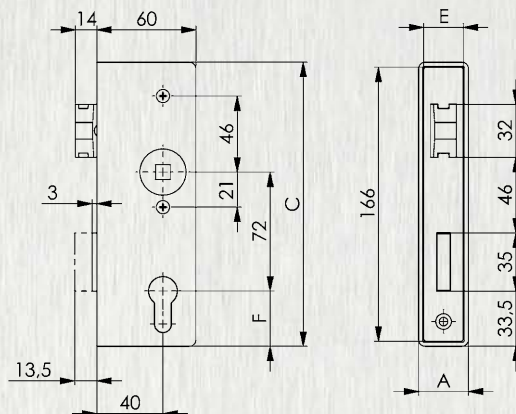
Stainless steel, **polished**, mesh 240. With zinc-plated lock no. 143UNIG-\*\*, with stainless steel fore-end, polished. Spring bolt and bolt nickel-plated. Can be used for left or right closing by turning the spring bolt. Prepared for profile cylinder (PZ) or bit key adapter set. With night latch function.

Incl. handle rosette set no. 494.

- backset 40 mm
- rotation 1 turn
- follower 8 mm
- centres 72 mm
- spring-bolt projection 2 mm
- bolt protection 3 mm



| Order no.    | Case width A<br>[mm] | Closure | C<br>[mm] | E<br>[mm] | F<br>[mm] | Weight<br>[g] |
|--------------|----------------------|---------|-----------|-----------|-----------|---------------|
| <b>14654</b> | 30                   | PZW     | 172       | 24        | 33,5      | 1050          |
| <b>17392</b> | 40                   | PZW     | 173       | 33        | 34,0      | 1200          |



### Recommendations



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## No. 143UNIG

### Lock, zinc-plated

with stainless steel fore-end, polished. Spring bolt and bolt nickel-plated. Can be used for left or right closing by turning the spring bolt. Prepared for profile cylinder (PZ) or bit key adapter set. Night latch function.

- backset 40 mm
- rotation 1 turn
- follower 8 mm
- centres 72 mm
- spring-bolt projection 2 mm
- bolt projection 3 mm



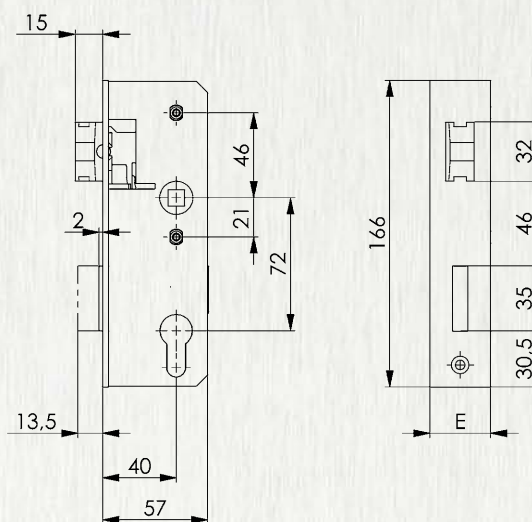
## No. 141KNIG

### Lock case, empty, V2A

Accessories: handle rosette set no. 494.



| Order no.    | for case width<br>[mm] | Closure | E<br>[mm] | Weight<br>[g] |
|--------------|------------------------|---------|-----------|---------------|
| <b>14209</b> | 30                     | PZW     | 24        | 530           |
| <b>17384</b> | 40                     | PZW     | 33        | 600           |



### Recommendations



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| Order no.    | Case width A<br>[mm] | C<br>[mm] | F<br>[mm] | Weight<br>[g] |
|--------------|----------------------|-----------|-----------|---------------|
| <b>14621</b> | 30                   | 172       | 33,5      | 520           |
| <b>17368</b> | 40                   | 173       | 34,0      | 650           |

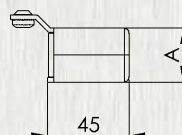
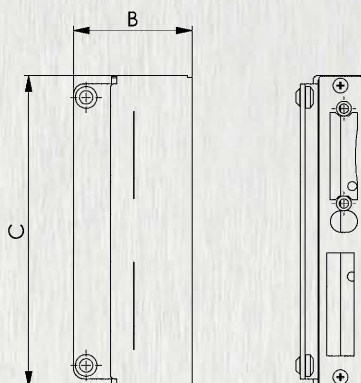
## No. 147BNIG

### Lock casing, V2A

Stainless steel, **polished**, mesh 240.  
For welding. Can be used on left or right.  
Prepared for electric door opener.  
Incl. striking plate, stainless steel.



| Order no.    | Case width A<br>[mm] | B    | C<br>[mm] | Weight<br>[g] |
|--------------|----------------------|------|-----------|---------------|
| <b>18515</b> | 30                   | 65,5 | 172       | 560           |
| <b>14597</b> | 40                   | 66,0 | 173       | 865           |



### Recommendations



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## No. 147NI

### Striking plate, V2A

stainless steel.  
Accessory: 2 stainless steel screws M4x8 mm.



| Order no.     | for case width<br>[mm] | A<br>[mm] | C<br>[mm] | Material thickness<br>[mm] | Weight<br>[g] |
|---------------|------------------------|-----------|-----------|----------------------------|---------------|
| <b>553126</b> | 30                     | 24,0      | 171       | 3                          | 55            |
| <b>553128</b> | 40                     | 33,0      | 172       | 3                          | 90            |

### Application:

Suitable for striking boxes for sliding bolts:

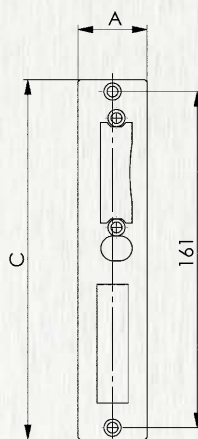
Order no. 553126: 144ETNIG and 147BNIG Case width 30 mm  
Order no. 553128: 144ETNIG and 147BNIG Case width 40 mm

Suitable for cased locks:

Order no. 553126: 140UNIG and 141UNIG Case width 30 mm  
Order no. 553128: 140UNI, 140UNIG and 141UNIG Case width 40 mm

### Note:

These striking plates can be used to advantage if the frame also serves as the „lock casing“. It is then not necessary to create precise recesses for the hook latch and deadbolt.  
The bores for fastening the striking plate in the closing or striking box are centrally arranged.





## No. 140SNIG

### Sliding-door lock case, V2A

Stainless steel, **polished**, mesh 240. With zinc-plated lock no. 142SNIG-\*\*, with stainless steel fore-end, polished. Prepared for profile cylinder (PZ) or bit key adapter set. With night latch function.

Incl. handle rosette no. 494, and 1 locking pin, stainless steel.

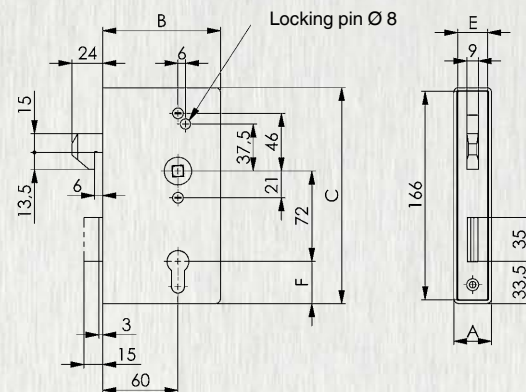
- backset 60 mm
- rotation 1 turn
- follower 8 mm
- centres 72 mm



| Order no.    | Case width A<br>[mm] | Closure | B<br>[mm] | C<br>[mm] | E<br>[mm] | F<br>[mm] | Material thickness<br>[mm] | Weight<br>[g] |
|--------------|----------------------|---------|-----------|-----------|-----------|-----------|----------------------------|---------------|
| <b>13631</b> | 30                   | PZW     | 94,0      | 172       | 24        | 33,5      | 2,5                        | 1550          |
| <b>13649</b> | 40                   | PZW     | 94,5      | 173       | 33        | 34,0      | 3,0                        | 1820          |

#### Note:

The lock is fastened by a sturdy locating pin in the cased lock, and this retained by a screw from the fore-end face through the latch cut-out. The additional deadbolt option prevents the door being levered out.



#### Recommendations



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## No. 142SNIG

### Sliding-door lock, zinc-plated

with stainless steel fore-end V2A, polished. Prepared for profile cylinder (PZ) or bit key adapter set. Night latch function. Incl. 1 locking pin, stainless steel.

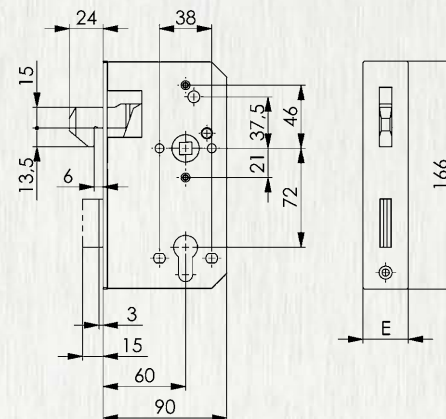
- backset 60 mm
- rotation 1 turn
- follower 8 mm
- centres 72 mm



| Order no.    | for case width<br>[mm] | Closure | E<br>[mm] | Weight<br>[g] |
|--------------|------------------------|---------|-----------|---------------|
| <b>13656</b> | 30                     | PZW     | 24        | 800           |
| <b>13664</b> | 40                     | PZW     | 33        | 810           |

#### Note:

The additional deadbolt option prevents the door being levered out.



## No. 140SKNIG

### Sliding-door lock case, empty, V2A

Accessories: handle rosette set no. 494.



| Order no.    | Case width A<br>[mm] | C<br>[mm] | F<br>[mm] | Material thickness<br>[mm] | Weight<br>[g] |
|--------------|----------------------|-----------|-----------|----------------------------|---------------|
| <b>13672</b> | 30                   | 172       | 33,5      | 2,5                        | 1000          |
| <b>13680</b> | 40                   | 173       | 34,0      | 3,0                        | 1000          |



Subject to technical alterations.

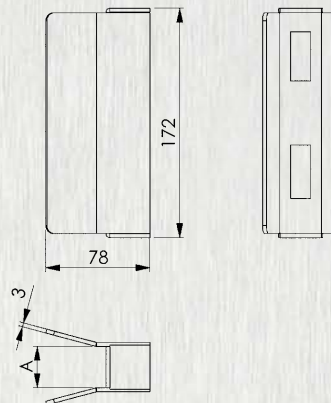
## No. 147SNIG

### Sliding-door lock casing, V2A

Stainless steel, **polished**, mesh 240. For welding.



| Order no.    | for case width<br>[mm] | A<br>[mm] | Weight<br>[g] |
|--------------|------------------------|-----------|---------------|
| <b>18598</b> | 30                     | 31        | 775           |
| <b>12914</b> | 40                     | 41        | 830           |



## No. 147SNIG-XX-06

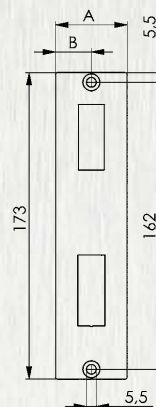
### Sliding gate striking plate, V2A

stainless steel.

Accessory: 2 stainless steel screws M5 x 10 mm.



| Order no.     | for case width<br>[mm] | A<br>[mm] | B<br>[mm] | Material thickness<br>[mm] | Weight<br>[g] |
|---------------|------------------------|-----------|-----------|----------------------------|---------------|
| <b>553125</b> | 30                     | 30        | 15        | 3,0                        | 95            |
| <b>154815</b> | 40                     | 40        | 20        | 3,0                        | 100           |



## No. 49ZNI

### Rim deadlock with angle striking plate, V2A

stainless steel. Die-cast-zinc bolt. Can be used on left or right.

Closure: PZ.

Accessory: PZ roses.

- backset 60 mm

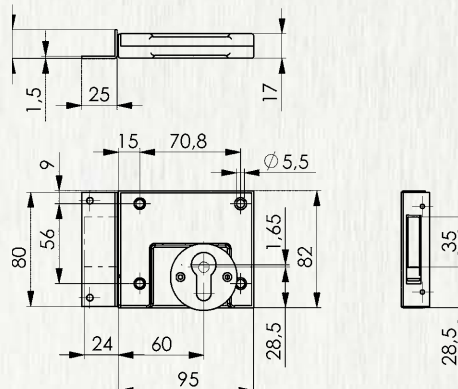
- rotation 2 turns



| Order no.    | Closure | Backset<br>[mm] | Case depth<br>[mm] | Weight<br>[g] |
|--------------|---------|-----------------|--------------------|---------------|
| <b>11312</b> | PZ      | 60              | 95                 | 360           |

#### Note:

Rim deadlock no. 49ZNI is also available fully zinc-plated, see item no. 49.



#### Recommendations



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Subject to technical alterations.



## LOCK CASE PRODUCT RANGE OF QUALITY STEEL

### - QUALITY AND SERVICE FROM AMF

- > All parts - including the springs - are corrosion-protected, thereby guaranteeing a long service-life
- > For lock cases no. 140, the spring bolt and dead bolt are available in brass
- > Consistent free movement thanks to precision parts and lubricated mechanical elements
- > Two continuous, movable solid sleeves allow trouble-free, distortion-free installation
- > Lower warehousing costs for our lock cases thanks to right/left conversion of the spring bolt
- > Guaranteed consistent quality standard with strict inspections
- > Shipment ex stock within 24 hours



## No. 141U

### Lock case, bare-metal

with zinc-plated lock no. 143U-\*\*. Can be used for left or right closing by turning the spring bolt. Optionally prepared for profile cylinder (PZ), Swiss round cylinder (RZ) or bit-key adapter set. With night latch function.

Incl. handle rosette set no. 494.

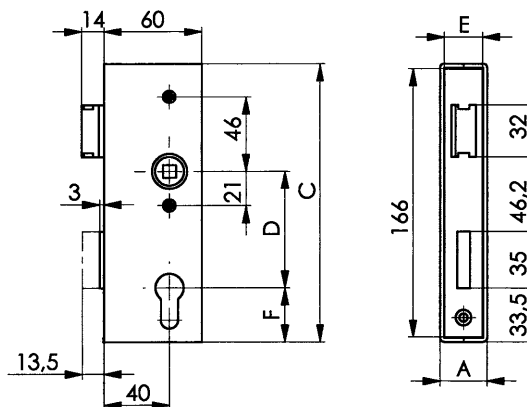
- backset 40 mm
- rotation 1 turn
- follower 8 mm
- centres PZ 72 mm
- centres RZ 74 mm
- spring-bolt projection 2 mm
- bolt protection 3 mm



| Order no. | Case width A [mm] | Closure | C [mm] | D [mm] | E [mm] | F [mm] | Material thickness [mm] | Weight [g] |
|-----------|-------------------|---------|--------|--------|--------|--------|-------------------------|------------|
| 14464     | 30                | PZW     | 172    | 72     | 24     | 33,5   | 2,5                     | 1050       |
| 14472     | 30                | RZW     | 172    | 74     | 24     | 31,5   | 2,5                     | 1050       |
| 10629     | 40                | PZW     | 173    | 72     | 33     | 34,0   | 3,0                     | 1200       |
| 10736     | 40                | RZW     | 173    | 74     | 33     | 32,0   | 3,0                     | 1200       |

### Note:

Classification to DIN EN 12209: 2X500F2EA20



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## No. 143U

### Lock, zinc-plated

can be used on left or right by turning the spring bolt. Optionally prepared for profile cylinder (PZ), Swiss round cylinder (RZ) or bit key adapter set. Night latch function.

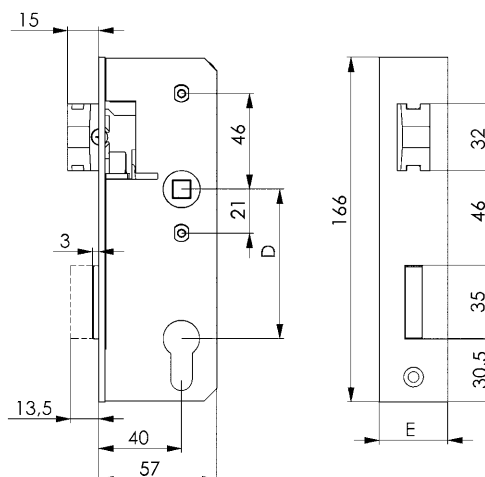
- backset 40 mm
- rotation 1 turn
- follower 8 mm
- centres PZ 72 mm
- centres RZ 74 mm
- spring-bolt projection 2 mm
- bolt projection 3 mm



| Order no. | for case width [mm] | Closure | D [mm] | E [mm] | Weight [g] |
|-----------|---------------------|---------|--------|--------|------------|
| 14241     | 30                  | PZW     | 72     | 24     | 550        |
| 14290     | 30                  | RZW     | 74     | 24     | 550        |
| 10645     | 40                  | PZW     | 72     | 33     | 570        |
| 10751     | 40                  | RZW     | 74     | 33     | 570        |

### Note:

Classification to DIN EN 12209: 2X500F2EA20



### Recommendations

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## No. 141K

### Lock case, empty

Accessories: handle rosette set no. 494.

| Order no. | Case width A [mm] | Closure | C [mm] | D [mm] | F [mm] | Material thickness [mm] | Weight [g] |
|-----------|-------------------|---------|--------|--------|--------|-------------------------|------------|
| 13706     | 30                | PZW     | 172    | 72     | 33,5   | 2,5                     | 500        |
| 13714     | 30                | RZW     | 172    | 74     | 31,5   | 2,5                     | 500        |
| 10637     | 40                | PZW     | 173    | 72     | 34,0   | 3,0                     | 630        |
| 10744     | 40                | RZW     | 173    | 74     | 32,0   | 3,0                     | 630        |



Subject to technical alterations.



## No. 140U

### Lock case, bare-metal

with zinc-plated lock no. 142U-\*\*. Can be used for left or right closing by turning the spring bolt. Optionally prepared for profile cylinder (PZ), Swiss round cylinder (RZ) or bit-key adapter set. With night latch function.

Zinc die-cast bolt.

Incl. handle rosette set no. 494.

- backset 60 mm
- rotation 2 turn
- follower 8 mm
- centres PZ 72 mm
- centres RZ 74 mm
- spring-bolt projection 3 mm



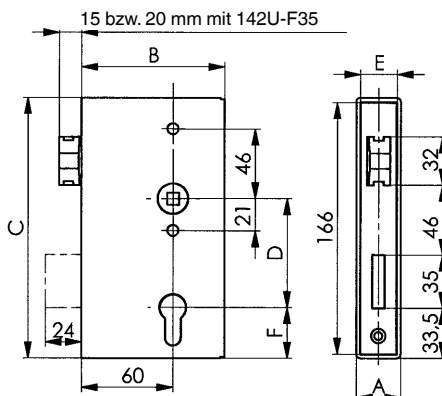
CAD



| Order no. | Case width A<br>[mm] | Closure | B<br>[mm] | C<br>[mm] | D<br>[mm] | E<br>[mm] | F<br>[mm] | Material thickness<br>[mm] | Weight<br>[g] |
|-----------|----------------------|---------|-----------|-----------|-----------|-----------|-----------|----------------------------|---------------|
| 14316     | 30                   | PZW     | 94,0      | 172       | 72        | 24,0      | 33,5      | 2,5                        | 1550          |
| 14324     | 30                   | RZW     | 94,0      | 172       | 74        | 24,0      | 31,5      | 2,5                        | 1550          |
| 14340     | 34                   | PZW     | 94,0      | 172       | 72        | 28,5      | 33,5      | 2,5                        | 1600          |
| 14365     | 40                   | PZW     | 94,5      | 173       | 72        | 33,0      | 34,0      | 3,0                        | 1820          |
| 14373     | 40                   | RZW     | 94,5      | 173       | 74        | 33,0      | 32,0      | 3,0                        | 1820          |
| 14381     | 50                   | PZW     | 94,5      | 173       | 72        | 43,0      | 34,0      | 3,0                        | 1985          |
| 14399     | 50                   | RZW     | 94,5      | 173       | 74        | 43,0      | 34,0      | 3,0                        | 1985          |
| 16758     | 60                   | PZW     | 94,5      | 173       | 72        | 53,0      | 34,0      | 3,0                        | 2000          |

### Note:

Starting with a case width of 50 mm, we recommend use of the extended spring bolt no. 142U-F35. Classification to DIN EN 12209: 2S500F2EA20



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## No. 142U

### Lock, zinc-plated

can be used on left or right by turning the spring bolt. Optionally prepared for profile cylinder (PZ), Swiss round cylinder (RZ) or bit key adapter set. Night latch function. Zinc die-cast bolt.

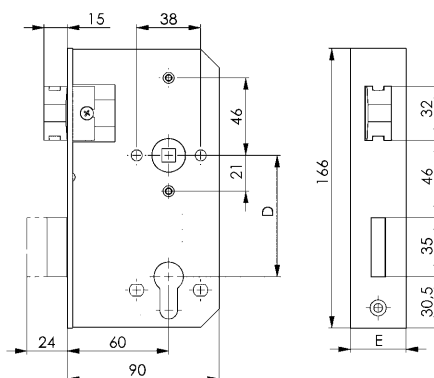
- backset 60 mm
- rotation 2 turns
- follower 8 mm
- centres PZ 72 mm
- centres RZ 74 mm
- bolt projection 3 mm



| Order no. | for case width<br>[mm] | Closure | D<br>[mm] | E<br>[mm] | Weight<br>[g] |
|-----------|------------------------|---------|-----------|-----------|---------------|
| 14167     | 30                     | PZW     | 72        | 24,0      | 770           |
| 14183     | 30                     | RZW     | 74        | 24,0      | 770           |
| 14225     | 34                     | PZW     | 72        | 28,5      | 780           |
| 14266     | 40                     | PZW     | 72        | 33,0      | 810           |
| 14282     | 40                     | RZW     | 74        | 33,0      | 810           |
| 14308     | 50                     | PZW     | 72        | 43,0      | 830           |
| 16774     | 60                     | PZW     | 72        | 53,0      | 890           |

### Note:

Classification to DIN EN 12209: 2S500F2EA20



## No. 140K

### Lock case, empty

Accessories: handle rosette set no. 494.

| Order no. | Case width A<br>[mm] | Closure | C<br>[mm] | D<br>[mm] | F<br>[mm] | Material thickness<br>[mm] | Weight<br>[g] |
|-----------|----------------------|---------|-----------|-----------|-----------|----------------------------|---------------|
| 13722     | 30                   | PZW     | 172       | 72        | 33,5      | 2,5                        | 780           |
| 13730     | 30                   | RZW     | 172       | 74        | 31,5      | 2,5                        | 780           |
| 13748     | 34                   | PZW     | 172       | 72        | 33,5      | 2,5                        | 820           |
| 13755     | 40                   | PZW     | 173       | 72        | 34,0      | 3,0                        | 1000          |
| 13763     | 40                   | RZW     | 173       | 74        | 32,0      | 3,0                        | 1000          |
| 13771     | 50                   | PZW     | 173       | 72        | 34,0      | 3,0                        | 1155          |
| 16733     | 60                   | PZW     | 173       | 72        | 34,0      | 3,0                        | 1170          |

CAD



Subject to technical alterations.

## No. 140UM

### Lock case, bare-metal

with zinc-plated lock no. 142UM-\*\*. Brass spring bolt and bolt. Can be used for left or right closing by turning the spring bolt. Prepared for profile cylinder (PZ) or bit key adapter set. With night latch function.

Incl. handle rosette set no. 494.

- backset 60 mm
- rotation 2 turn
- follower 8 mm
- centres 72 mm
- spring-bolt projection 3 mm



| Order no. | Case width A [mm] | Closure | B [mm] | C [mm] | D [mm] | E [mm] | F [mm] | Material thickness [mm] | Weight [g] |
|-----------|-------------------|---------|--------|--------|--------|--------|--------|-------------------------|------------|
| 10470     | 30                | PZW     | 94,0   | 172    | 72     | 24     | 33,5   | 2,5                     | 1550       |
| 10496     | 40                | PZW     | 94,5   | 173    | 72     | 33     | 34,0   | 3,0                     | 1820       |

### Note:

Spring bolt and deadbolt are made of corrosion-resistant brass and are especially suitable for use in atmospheres contaminated with acids or salt. Thanks to the high tensile strength and hardness of brass, this lock is an ideal solution for frequently-used doors.

### Recommendations



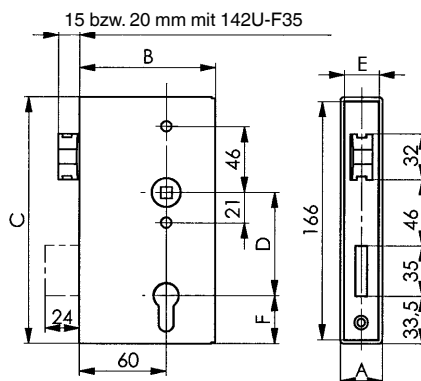
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## No. 142UNIG

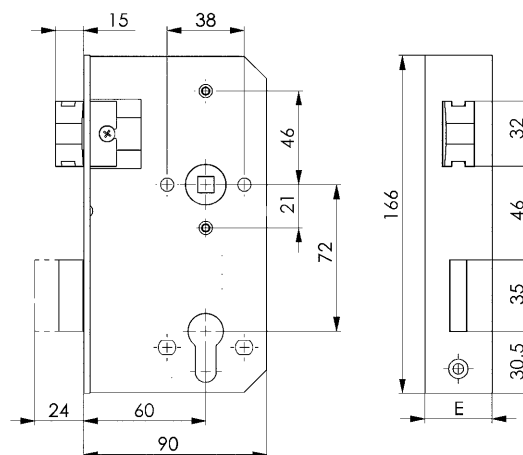
### Lock, zinc-plated

with stainless steel fore-end, polished. Brass spring bolt and bolt. Can be used for left or right closing by turning the spring bolt. Prepared for profile cylinder (PZ) or bit key adapter set. Night latch function.

- backset 60 mm
- rotation 2 turns
- follower 8 mm
- centres 72 mm
- spring-bolt projection 3 mm



| Order no. | for case width [mm] | Closure | E [mm] | Weight [g] |
|-----------|---------------------|---------|--------|------------|
| 14332     | 30                  | PZW     | 24     | 770        |
| 14357     | 40                  | PZW     | 33     | 810        |



## No. 140K

### Lock case, empty

Accessories: handle rosette set no. 494.



| Order no. | Case width A [mm] | Closure | C [mm] | D [mm] | F [mm] | Material thickness [mm] | Weight [g] |
|-----------|-------------------|---------|--------|--------|--------|-------------------------|------------|
| 13722     | 30                | PZW     | 172    | 72     | 33,5   | 2,5                     | 780        |
| 13730     | 30                | RZW     | 172    | 74     | 31,5   | 2,5                     | 780        |
| 13748     | 34                | PZW     | 172    | 72     | 33,5   | 2,5                     | 820        |
| 13755     | 40                | PZW     | 173    | 72     | 34,0   | 3,0                     | 1000       |
| 13763     | 40                | RZW     | 173    | 74     | 32,0   | 3,0                     | 1000       |
| 13771     | 50                | PZW     | 173    | 72     | 34,0   | 3,0                     | 1155       |
| 16733     | 60                | PZW     | 173    | 72     | 34,0   | 3,0                     | 1170       |

Subject to technical alterations.

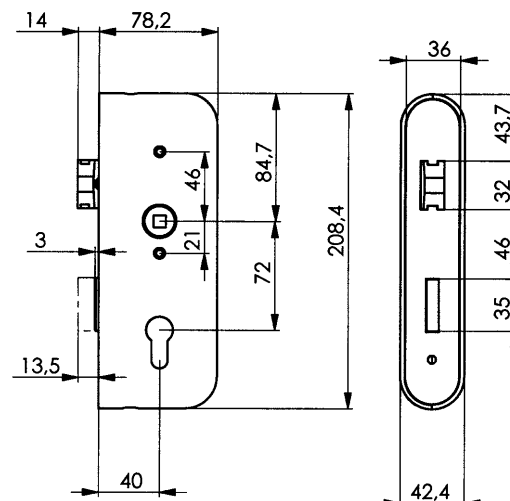


## No. 141E

### Lock case, bare-metal

With lock no. 143ENIG, with stainless steel fore-end, polished. Spring bolt and bolt nickel-plated. Can be used for left or right closing by turning the spring bolt. Prepared for profile cylinder (PZ) or bit key adapter set. With night latch function. Incl. handle rosette set no. 494.

- backset 40 mm
- rotation 1 turn
- follower 8 mm
- centres 72 mm
- spring-bolt projection 2 mm
- bolt protection 3 mm



#### Recommendations



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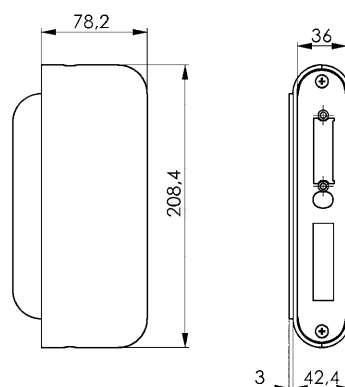
CAD



## No. 146E

### Striking box, bare-metal

Can be used on left or right. Striking plate prepared for electric door opener.



#### Recommendations



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CAD



Subject to technical alterations.

## No. 140DD

### Lock case for triangular and profile cylinders, bare-metal

with zinc-plated lock no. 142DD. Can be used for left or right closing by turning the latch head. Prepared for triangular and profile cylinder (PZ). Without night latch.

Incl. lever rose set no. 494.

- backset 30 and 60 mm
- rotation 1-turn
- spindle 8 mm
- spacing 72 mm



| Order no. | Case width A [mm] | Closure | C [mm] | E [mm] | F [mm] | H [mm] | Weight [g] |
|-----------|-------------------|---------|--------|--------|--------|--------|------------|
| 557056    | 30                | PZ      | 172    | 24     | 33,5   | 33,5   | 1360       |
| 557057    | 40                | PZ      | 173    | 33     | 34,0   | 34,0   | 2440       |

### Application:

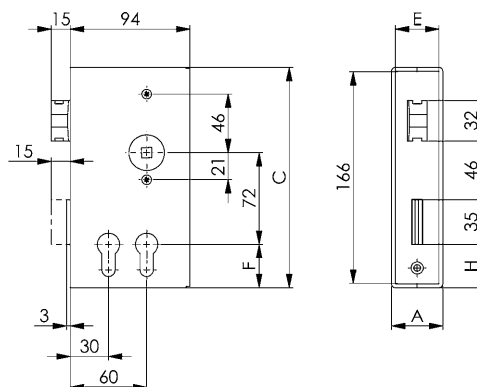
The practical solution when two people (or groups of people) require independent access: for example fire-brigade approaches or waste-container enclosures. The lock case with two cylinders permits access for the fire brigade or disposal companies via triangular socket spanner, and can also be integrated into the normal master-key system.

### Note:

The cylinders can be actuated separately from one another and open or close the bolt. Installation of triangular and profile cylinder without jamming of the lock regardless of key bit position possible when withdrawing the triangular socket spanner.

However, ensuring the following arrangement of triangular and profile cylinder is absolutely essential:

- backset 30 mm: profile cylinder
- backset 60 mm: triangular cylinder



## No. 142DD

### Lock for triangular and profile cylinders, zinc-plated

Can be used for left or right closing by turning the latch head. Prepared for triangular and profile cylinder (PZ). Without night latch.

- backset 30 and 60 mm
- rotation 1-turn
- spindle 8 mm
- spacing 72 mm



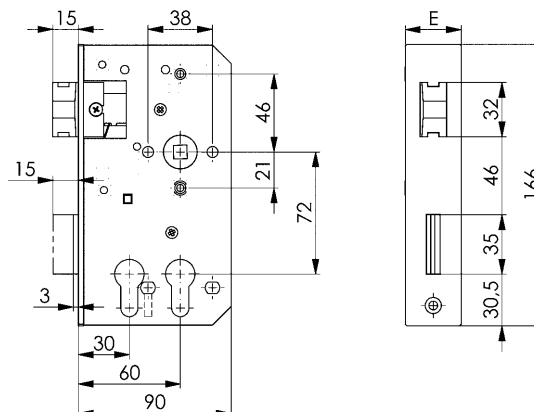
| Order no. | for case width [mm] | Closure | E [mm] | Weight [g] |
|-----------|---------------------|---------|--------|------------|
| 557058    | 30                  | PZ      | 24     | 620        |
| 557060    | 40                  | PZ      | 33     | 653        |

### Note:

The cylinders can be actuated separately from one another and open or close the bolt. Installation of triangular and profile cylinder without jamming of the lock regardless of key bit position possible when withdrawing the triangular socket spanner.

However, ensuring the following arrangement of triangular and profile cylinder is absolutely essential:

- backset 30 mm: profile cylinder
- backset 60 mm: triangular cylinder



## No. 140DK

### Lock case for two profile cylinders, empty

Accessories: handle rosette set no. 494.

| Order no. | Case width A [mm] | C [mm] | F [mm] | Weight [g] |
|-----------|-------------------|--------|--------|------------|
| 11197     | 30                | 172    | 33,5   | 780        |
| 14662     | 40                | 173    | 34,0   | 1000       |



## No. 140D

### Lock case for two profile cylinders, bare-metal

with zinc-plated lock no. 142D-\*\*. Can be used for left or right closing by turning the spring bolt. Prepared for profile cylinder (PZ). With night latch function.  
Incl. handle rosette set no. 494.

- backset 30 and 60 mm
- rotation 1 turn
- follower 8 mm
- centres 72 mm



CAD



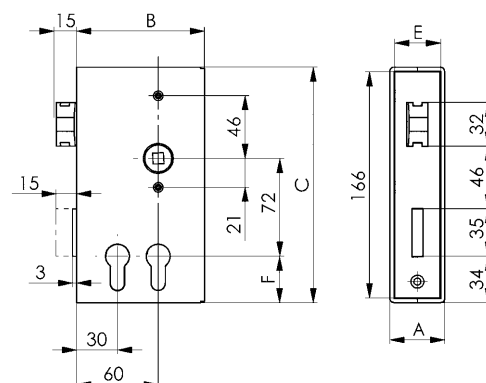
| Order no. | Case width A [mm] | Closure | B [mm] | C [mm] | E [mm] | F [mm] | Material thickness [mm] | Weight [g] |
|-----------|-------------------|---------|--------|--------|--------|--------|-------------------------|------------|
| 11163     | 30                | PZW     | 94,0   | 172    | 24     | 33,5   | 2,5                     | 1550       |
| 14407     | 40                | PZW     | 94,5   | 173    | 33     | 34,0   | 3,0                     | 1820       |

### Application:

The practical solution when two people (or groups of people) require independent access: for example fire-brigade approaches or waste-container enclosures. The cased lock with two profile cylinders permits access for the fire brigade or disposal companies via general key, and can also be integrated into the normal master-key system.

### Note:

- Installation of two profile cylinders that can be operated independently of one another required
- Cam position up to 45°



### Recommendations



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## No. 142D

### Lock for two profile cylinders, zinc-plated

can be used on left or right by turning the spring bolt. Prepared for profile cylinder (PZ). Night latch function.

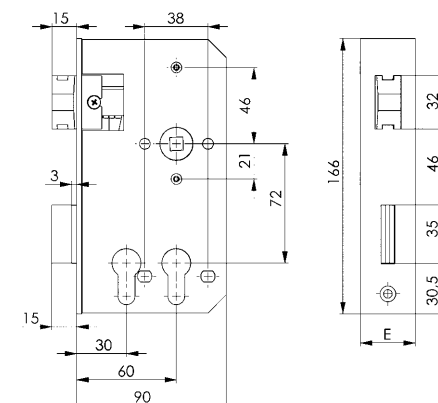
- backset 30 and 60 mm
- rotation 1 turn
- follower 8 mm
- centres 72 mm



| Order no. | for case width [mm] | Closure | E [mm] | Weight [g] |
|-----------|---------------------|---------|--------|------------|
| 11130     | 30                  | PZW     | 24     | 750        |
| 14670     | 40                  | PZW     | 33     | 800        |

### Note:

- Installation of two profile cylinders that can be operated independently of one another required
- Cam position up to 45°



### Recommendations



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## No. 140DK

### Lock case for two profile cylinders, empty

Accessories: handle rosette set no. 494.

| Order no. | Case width A [mm] | C [mm] | F [mm] | Weight [g] |
|-----------|-------------------|--------|--------|------------|
| 11197     | 30                | 172    | 33,5   | 780        |
| 14662     | 40                | 173    | 34,0   | 1000       |

CAD



Subject to technical alterations.



## No. 140V

### Lock case for downward locking, bare-metal

with zinc-plated lock no. 142V. Without spring bolt and bolt. Can be used on left or right. Prepared for profile cylinder (PZ) or bit key adapter set. With night latch function.

Incl. handle rosette set no. 494, 1 adjustable stainless steel bolt, 1 adapter for M10 threaded bar.

- backset 60 mm
- rotation 1 turn
- follower 8 mm
- centres 72 mm

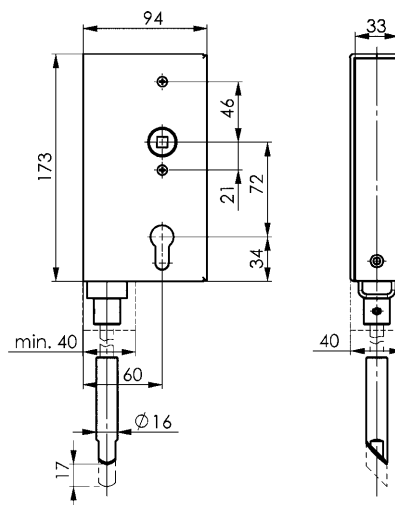
| Order no. | Case depth<br>[mm] | Closure | Material thickness<br>[mm] | Weight<br>[g] |
|-----------|--------------------|---------|----------------------------|---------------|
| 10405     | 40                 | PZW     | 3,0                        | 1995          |

### Application:

This cased lock with downward locking spring bolt is suitable for doors and gates at which a large clearance width is required by a combined fixed/pass-through gate or a wing gate or sliding gate. This lock eliminates the need for a centre post. The vertical movement is achieved via the lever handles or the night latch function.

### Note:

Rectangular tube, M10 studding and ramp shoe are not in our scope of supply.



### Recommendations



No. 465,  
page 56



Subject to technical alterations.

## No. 140UMV

### Lock case for vertical multipoint locking, bare metal

With zinc-plated lock no. 142UMV, with stainless steel fore-end. Locking at top and bottom possible. Brass spring bolt and bolt. Can be used for left or right closing by turning the spring bolt. Prepared for profile cylinder (PZ) or bit key adapter set. With night latch function.

Incl. handle rosette set no. 494, 2 steplessly adjustable bolts, 2 adapters for M10 threaded rod.

- backset 60 mm
- rotation 2 turn
- follower 8 mm
- centres 72 mm

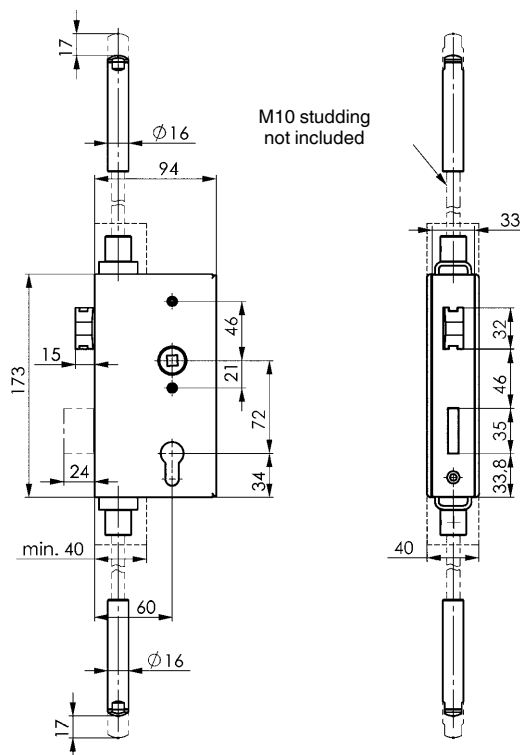
| Order no. | Case depth<br>[mm] | Closure | Material thickness<br>[mm] | Weight<br>[g] |
|-----------|--------------------|---------|----------------------------|---------------|
| 13540     | 40                 | PZW     | 3,0                        | 2290          |

### Application:

The multiple-locking AMF cased lock is ideal for the additional and reliable locking of main and side doors. The vertical lock is achieved via the profile cylinder.

### Note:

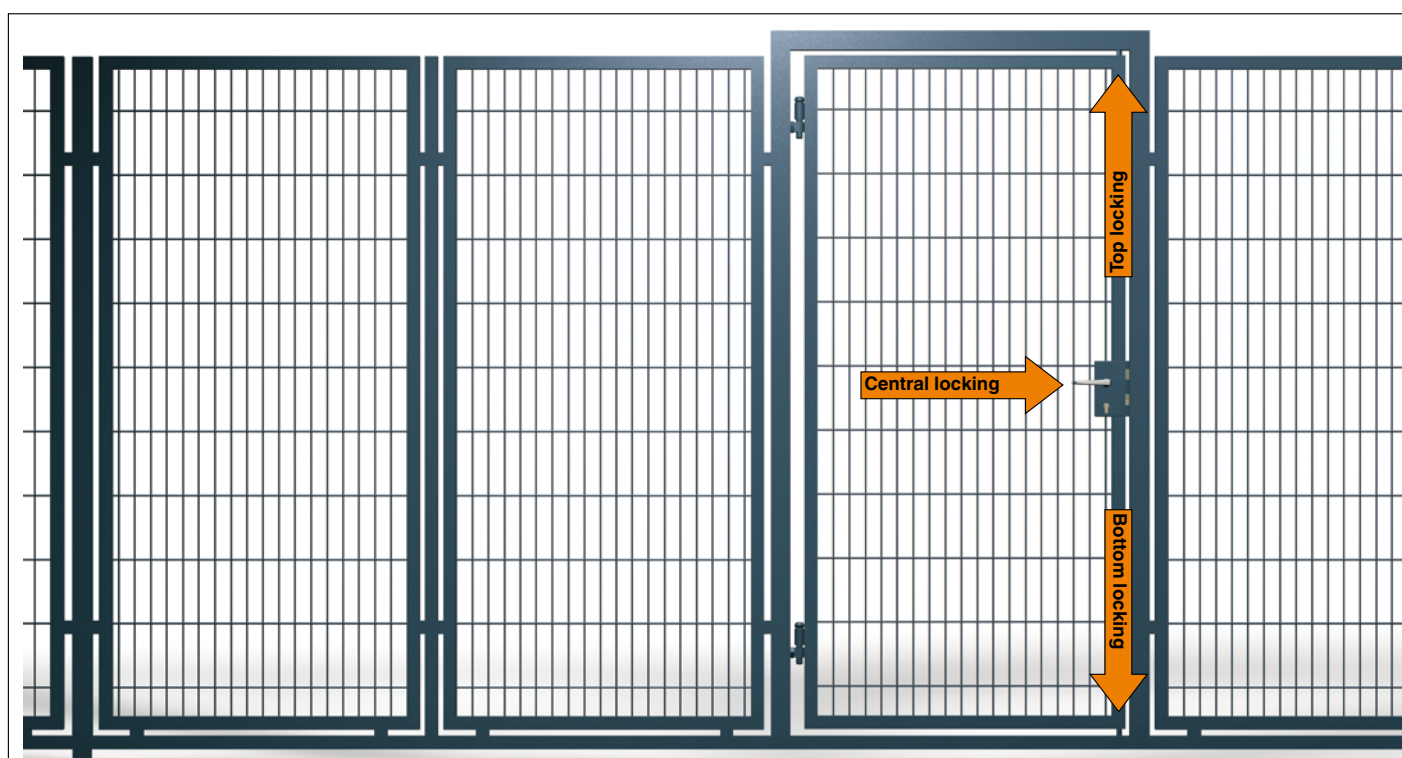
Rectangular tube and M10 studding are not supplied as standard. Studding provided by the customer should not exceed the max. length of 1200 mm each.



### Recommendations



No. 475,  
page 56



Subject to technical alterations.

## No. 140UMH

### Lock case for horizontal multipoint locking, bare metal

with galvanised lock no. 142UMV, with stainless steel fore-end. Horizontal locking at freely selectable distance from door possible. Brass spring bolt and bolt. Can be used for left or right closing by turning the latch head. Prepared for profile cylinder (PZ) or bit key adapter set. With night latch.

Incl. lever rose set no. 494, 2 angle drives, incl. latch bolt, 2 adapter pieces for studding M10.

- backset 60 mm
- rotation 2-turns
- spindle 8 mm
- spacing 72 mm



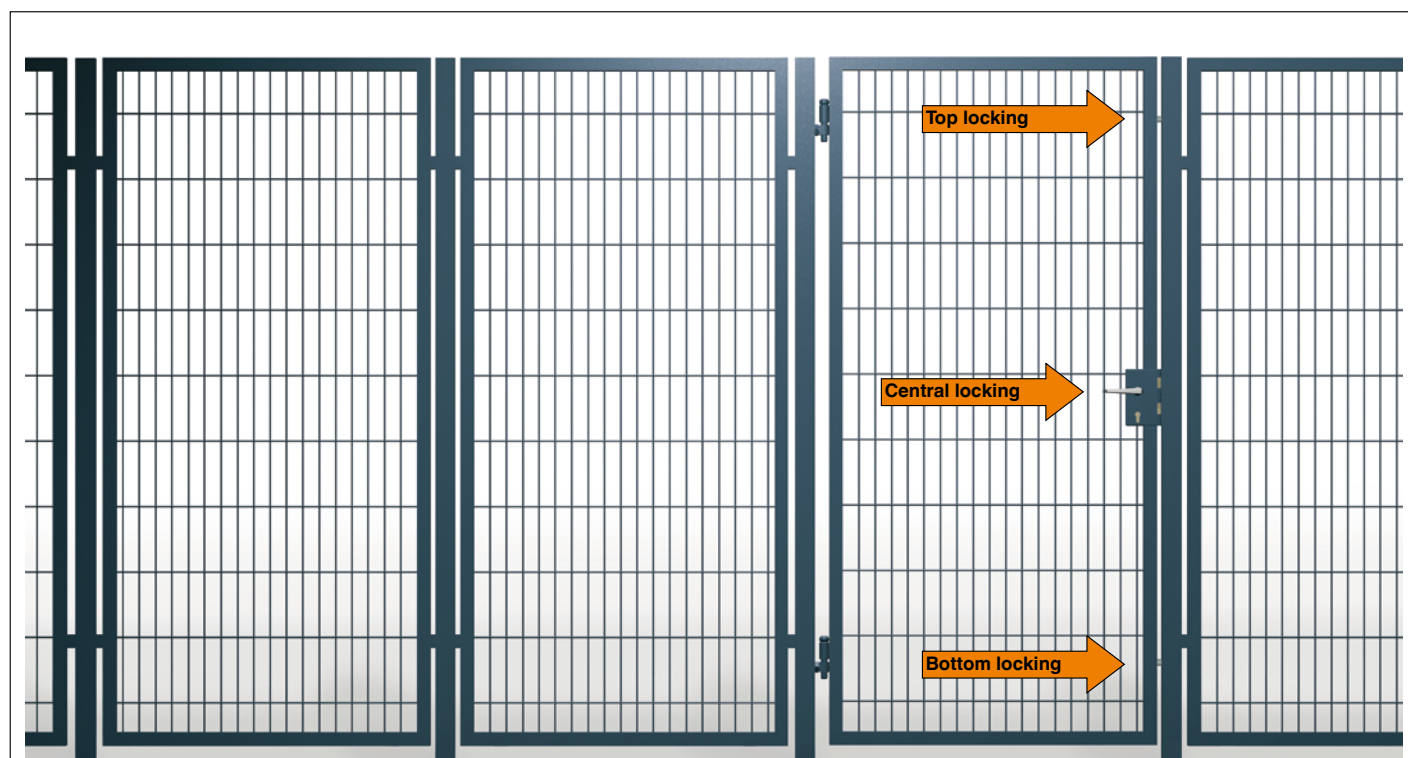
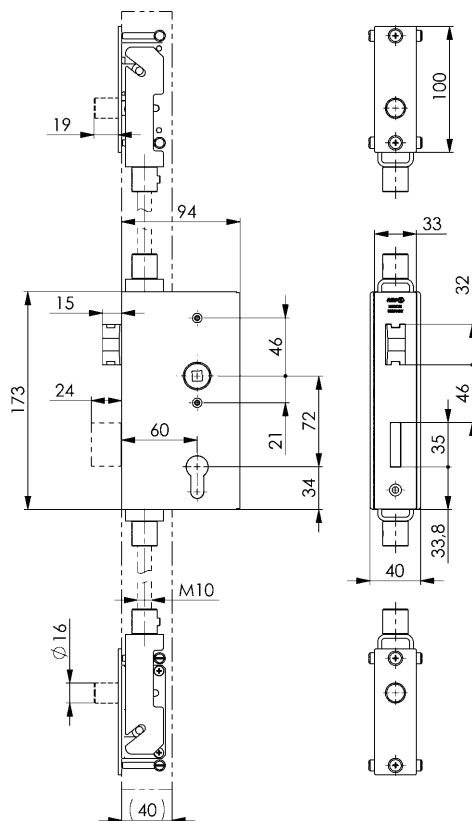
| Order no. | Case depth<br>[mm] | Closure | Material thickness<br>[mm] | Weight<br>[g] |
|-----------|--------------------|---------|----------------------------|---------------|
| 557055    | 40                 | PZW     | 3                          | 2800          |

### Application:

The multiple-locking AMF lock case is ideal for the additional and reliable locking of main and side doors or a fence without a surrounding frame. The horizontal locking is achieved via the profile cylinder.

### Note:

Rectangular pipe profile and M10 studding are not supplied as standard. Studding provided by the customer should not exceed the max. length of 1200 mm each. The lock and the angle drive can be used for pipe profiles of 40x40 to 40x80 mm.



Subject to technical alterations.



**PROTECT YOURSELF!**  
AMF PROTECTION AGAINST BREAK-INS

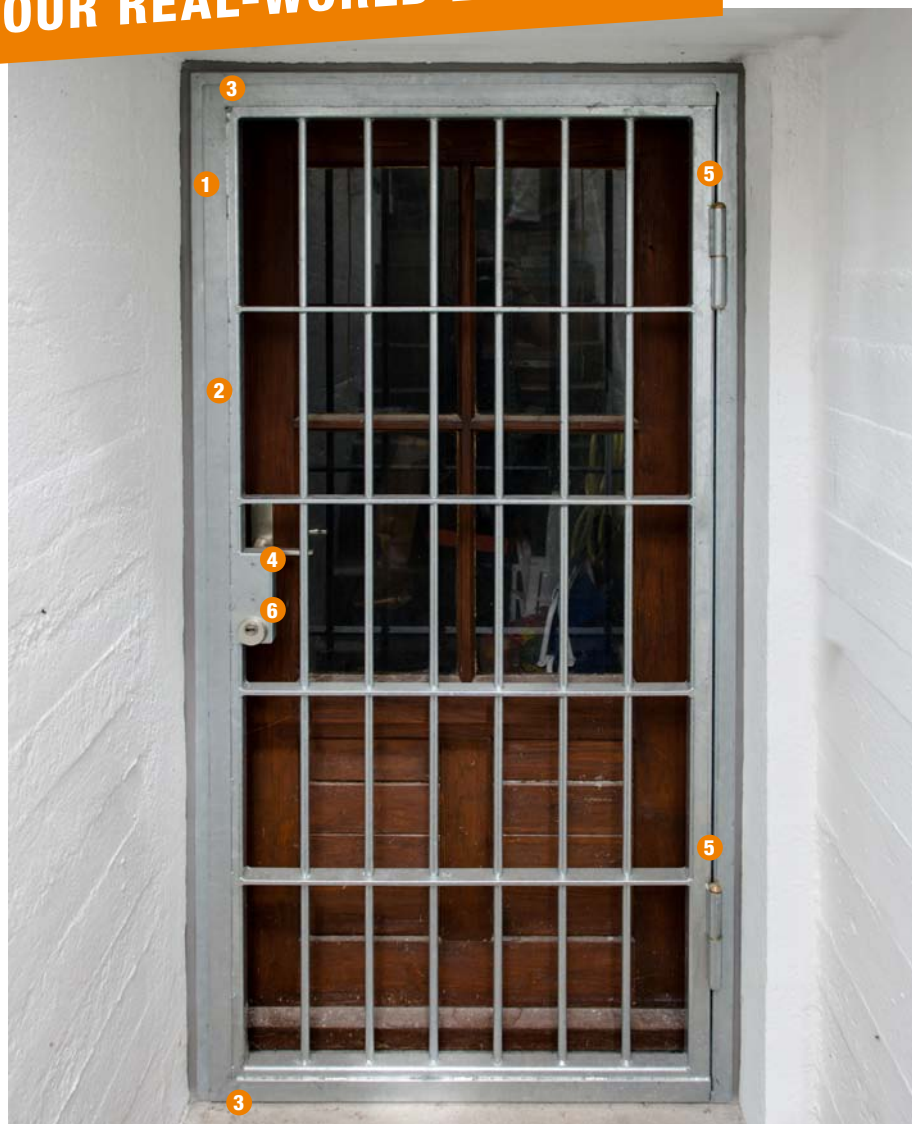
## ON THE SAFE SIDE – LOCK CASE WITH MULTIPOINT LOCKING

- > Multipoint locking at three locations
- > Bolt projection vertically at top & bottom, 17 mm each, horizontally 24 mm
- > Rugged quality from AMF
- > All parts – even the springs – are corrosion-resistant and in this way guarantee a long working life, stainless steel fore-end
- > DIN left / right closing possible by turning the latch head
- > Brass spring bolt and bolt
- > Wide range of accessories, handle, roses, profile cylinders, etc ...



Subject to technical alterations.

## OUR REAL-WORLD EXAMPLE



A mounted safety lattice door with continuous bars Ø18 mm.  
Planned and built by **Prell & Fink GmbH in Stockdorf**, Tel. 089/899688-0.

WE WILL BE HAPPY  
TO ADVISE YOU!



1 The frame of the lattice gate is fastened to the foundation by means of ten fastening holes.



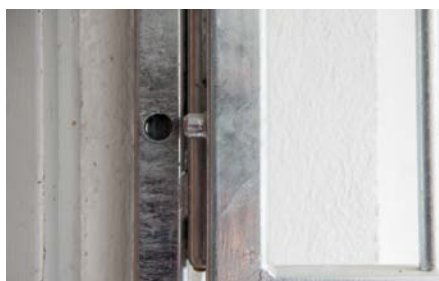
2 Stop strip on all sides of door leaf or door frame to make use of a pry bar more difficult.



3 Locking at top and bottom through use of lock case no. 140UMV.



4 Locking on the side by means of brass spring bolt and bolt through use of lock case no. 140UMV.



5 Door hinges with inside protection against levering out at the same height.



6 Conical security rose no. 446 with cylinder-draw protection. Protects the cylinder against turning and drilling out.

Subject to technical alterations.



## ANTI-PANIC LOCKS

The anti-panic locks are essentially, in accordance with the legal requirements for escape routes and emergency exits, intended for outwardly opening doors (hinge side contrasted with risk side).

Inwardly opening locks for transit function D (hinge side = hazard side) are available on request.

### No. 140P

#### Lock case, bare-metal

With galvanised anti-panic lock no. 142P-\*\* with stainless steel fore-end, polished. Spring bolt cannot be turned. One-piece follower. Prepared for profile cylinder (PZ). With night latch function.

Incl. handle rosette set no. 494.

- backset 60 mm
- rotation 2 turn
- follower 9 mm
- centres 72 mm
- Function E



14431



CAD

#### Recommendations



No. 491N,  
page 34

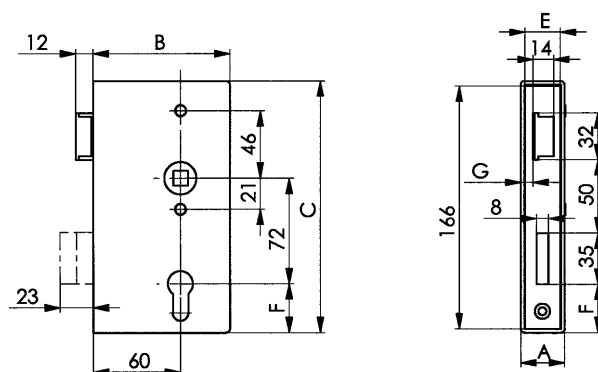
| Order no. | Case width A [mm] | Closure | Door direction | B [mm] | C [mm] | E [mm] | F [mm] | G [mm] | Material thickness [mm] | Weight [g] |
|-----------|-------------------|---------|----------------|--------|--------|--------|--------|--------|-------------------------|------------|
| 14415     | 30                | PZW     | DIN L          | 94,0   | 172    | 24     | 33,5   | 8,5    | 2,5                     | 1550       |
| 14423     | 30                | PZW     | DIN R          | 94,0   | 172    | 24     | 33,5   | 8,5    | 2,5                     | 1550       |
| 14431     | 40                | PZW     | DIN L          | 94,5   | 173    | 33     | 34,0   | 14,0   | 3,0                     | 1800       |
| 14449     | 40                | PZW     | DIN R          | 94,5   | 173    | 33     | 34,0   | 14,0   | 3,0                     | 1800       |

R = right, L = left

Cased lock, empty, see no. 140K!

#### Application:

Locks with alternative function E and one-piece follower socket. With this lock, the fixed knob on the outside of the door prevents unauthorised access. The door can be opened from outside via the alternative function only using the key. From the inside, the anti-panic function is always available when the door is closed.



### No. 142P

#### Anti-panic lock, zinc-plated

With stainless steel fore-end, polished. Spring bolt cannot be turned. One-piece follower. Prepared for profile cylinder (PZ). With night latch function.

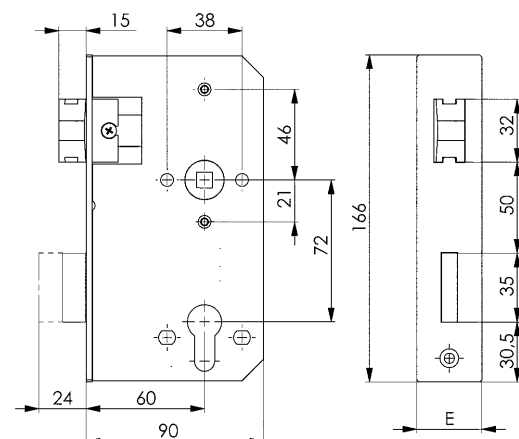
- backset 60 mm
- rotation 2 turns
- follower 9 mm
- centres 72 mm
- Function E



| Order no. | for case width [mm] | Closure | Door direction | E [mm] | Weight [g] |
|-----------|---------------------|---------|----------------|--------|------------|
| 14480     | 30                  | PZW     | DIN L          | 24     | 770        |
| 14498     | 30                  | PZW     | DIN R          | 24     | 770        |
| 14506     | 40                  | PZW     | DIN L          | 33     | 800        |
| 14514     | 40                  | PZW     | DIN R          | 33     | 800        |

R = right, L = left

Cased lock, empty, see no. 140K!





## No. 140PGN

### Lock case, bare-metal

With galvanised anti-panic lock no. 142PGN-\*\* with stainless steel fore-end, polished. Spring bolt cannot be turned. Two-piece follower. Prepared for profile cylinder (PZ). Without night latch function.

Incl. handle rosette set no. 494.

- backset 60 mm
- rotation 2 turn
- follower 9 mm
- centres 72 mm
- Funktion D



13375



### Recommendations



No. 492N,  
page 34

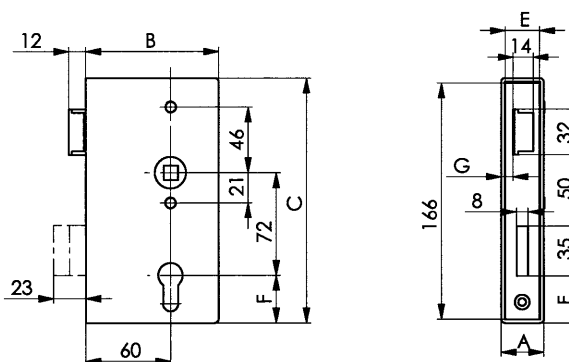
| Order no. | Case width A [mm] | Closure | Door direction | B [mm] | C [mm] | E [mm] | F [mm] | G [mm] | Material thickness [mm] | Weight [g] |
|-----------|-------------------|---------|----------------|--------|--------|--------|--------|--------|-------------------------|------------|
| 13334     | 30                | PZ      | DIN L          | 94,0   | 172    | 24     | 33,5   | 8,5    | 2,5                     | 1550       |
| 13359     | 30                | PZ      | DIN R          | 94,0   | 172    | 24     | 33,5   | 8,5    | 2,5                     | 1550       |
| 13375     | 40                | PZ      | DIN L          | 94,5   | 173    | 33     | 34,0   | 14,0   | 3,0                     | 1800       |
| 13391     | 40                | PZ      | DIN R          | 94,5   | 173    | 33     | 34,0   | 14,0   | 3,0                     | 1800       |

R = right, L = left

Cased lock, empty, see no. 140K!

### Application:

Lock with access function D and divided follower socket. When the door is unlocked, this lock permits intermittent access from inside and outside. Warning: once the door is locked, access from outside is no longer possible! After being actuated from the inside, however, the door can also be opened from the outside (not self-locking). Rescue measures are not obstructed. From the inside, the anti-panic function is always available when the door is closed.



## No. 142PGN

### Anti-panic lock, zinc-plated

With stainless steel fore-end, polished. Spring bolt cannot be turned. Two-piece follower. Prepared for profile cylinder (PZ). Without night latch function.

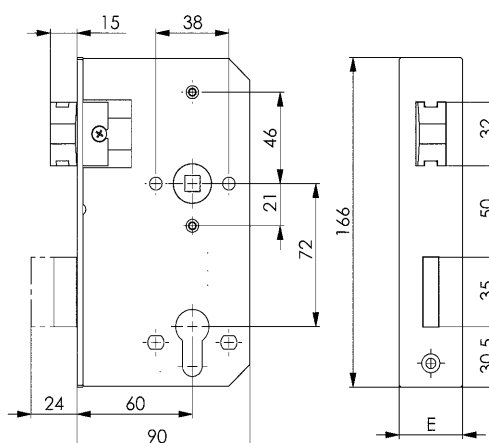
- backset 60 mm
- rotation 2 turns
- follower 9 mm
- centres 72 mm
- Funktion D



| Order no. | for case width [mm] | Closure | Door direction | E [mm] | Weight [g] |
|-----------|---------------------|---------|----------------|--------|------------|
| 13417     | 30                  | PZ      | DIN L          | 24     | 770        |
| 13433     | 30                  | PZ      | DIN R          | 24     | 770        |
| 13458     | 40                  | PZ      | DIN L          | 33     | 800        |
| 13474     | 40                  | PZ      | DIN R          | 33     | 800        |

R = right, L = left

Cased lock, empty, see no. 140K!



## No. 491N

### Furniture set for anti-panic lock

Suitable for lock cases no. 140P.

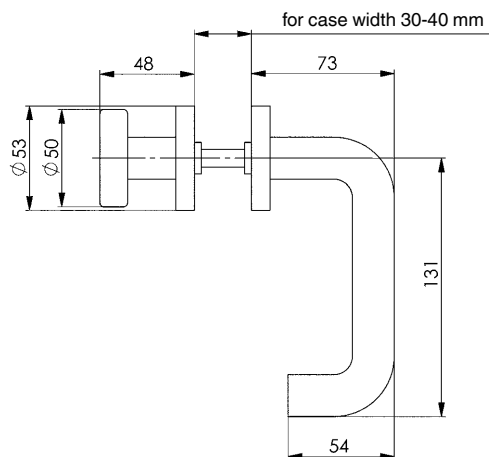
Stainless steel, with 9 mm spindle, without cylinder rose.



| Order no. | Handle set | Handle, single, female | Weight [g] |
|-----------|------------|------------------------|------------|
| 553120    | ●          | -                      | 530        |

#### Note:

Emergency-exit closure systems in accordance with DIN EN 179 must be tested and certified as an assembly of lock and fixture. The product must be used as one assembly. However, tender and delivery can be done separately.



## No. 492N

### Lever set for anti-panic lock

Suitable for lock cases no. 140PGN.

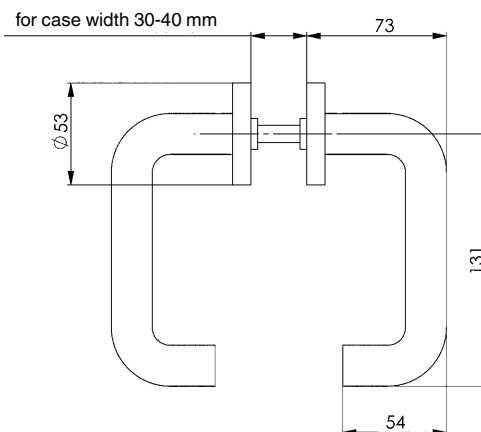
Stainless steel, with 9 mm split spindle, without cylinder rose.



| Order no. | Handle set | Handle, single, female | Weight [g] |
|-----------|------------|------------------------|------------|
| 553121    | ●          | -                      | 520        |

#### Note:

Emergency-exit closure systems in accordance with DIN EN 179 must be tested and certified as an assembly of lock and fixture. The product must be used as one assembly. However, tender and delivery can be done separately.



## No. 448

### Cylinder rose set

Suitable for use with detachable fitting 491N and lever fitting 492N, stainless steel.

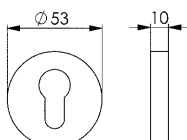


| Order no. | Dimension [mm] | Weight [g] |
|-----------|----------------|------------|
| 555069    | Ø53 x 10       | 26         |

#### Note:

Emergency exit closure systems in accordance with DIN EN 179 must be tested and certified as an assembly of lock and fixture.

The certified cylinder rose protrudes 2 mm over the lock case.



## No. 140PS

### Self-locking lock case

With zinc-plated lock no. 142PS-\*\*, with stainless steel fore-end, ground. Spring bolt cannot be turned.

Prepared for profile cylinder (PZ). With night latch. Incl. lever rose set no. 494.

- Backset 60 mm
- Spindle 8 mm
- Spacing 72 mm

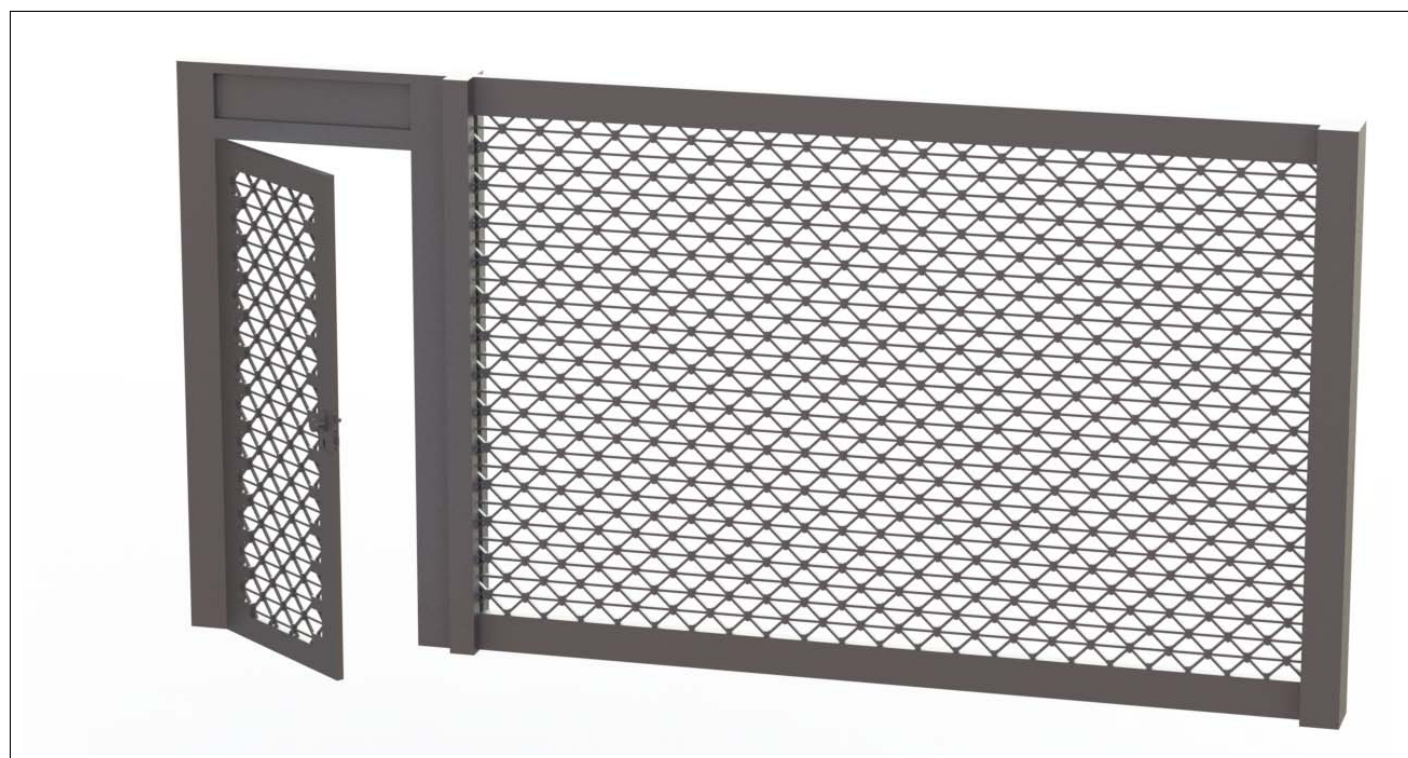
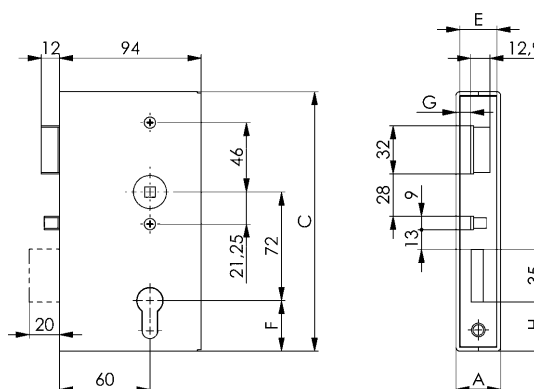
| Order no. | Case width A [mm] | Closure | Door direction | C [mm] | E [mm] | F [mm] | G [mm] | H [mm] | Material thickness [mm] | Weight [g] |
|-----------|-------------------|---------|----------------|--------|--------|--------|--------|--------|-------------------------|------------|
| 555070    | 30                | PZW     | DIN L          | 172    | 24     | 33,5   | 9,6    | 32,5   | 2,5                     | 1530       |
| 555071    | 30                | PZW     | DIN R          | 172    | 24     | 33,5   | 9,6    | 32,5   | 2,5                     | 1530       |
| 555073    | 40                | PZW     | DIN L          | 173    | 33     | 34,0   | 14,9   | 33,25  | 3,0                     | 1800       |
| 555077    | 40                | PZW     | DIN R          | 173    | 33     | 34,0   | 14,9   | 33,25  | 3,0                     | 1800       |

### Application:

Mechanically self-locking lock with one-part spindle. The automatic self-locking mechanism ensures secure locking through the deadbolt, as soon as the door closes. With this lock, the fixed knob on the outside of the door prevents unauthorised access. The door can be opened from outside via the night latch function only using the key. From inside, the door basically has to be opened via the door lever even when locked.



555070



Subject to technical alterations.



## No. 142PS

### Self-locking lock, galvanised

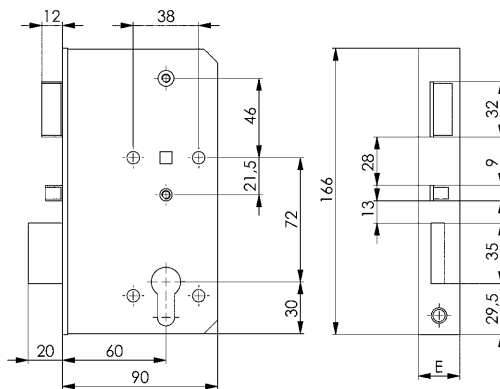
With stainless steel fore-end, ground. Spring bolt cannot be turned.

Prepared for profile cylinder (PZ). With night latch.

- Backset 60 mm
- Spindle 8 mm
- Spacing 72 mm



| Order no. | for case width<br>[mm] | Closure | Door direction | E<br>[mm] | Weight<br>[g] |
|-----------|------------------------|---------|----------------|-----------|---------------|
| 555078    | 30                     | PZW     | DIN L          | 24        | 770           |
| 555079    | 30                     | PZW     | DIN R          | 24        | 770           |
| 555080    | 40                     | PZW     | DIN L          | 33        | 810           |
| 555081    | 40                     | PZW     | DIN R          | 33        | 810           |



## No. 147NIPS

### Striking plate, V2A

Stainless steel.

Accessories: 2 flat-head screws M4x8 mm, stainless steel.



| Order no. | for case width<br>[mm] | A<br>[mm] | Material thickness<br>[mm] | Weight<br>[g] |
|-----------|------------------------|-----------|----------------------------|---------------|
| 555043    | 30                     | 24        | 3                          | 55            |
| 555044    | 40                     | 36        | 3                          | 100           |

### Application:

Suitable for striking boxes for sliding bolts:

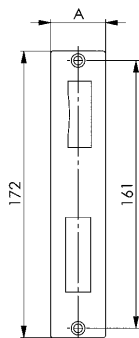
Order no. 555043: 144ET, 146ET, 147, 147B Case width 30 mm

Order no. 555044: 144ET, 146ET, 147, 147A, 147B Case width 40 mm

Suitable for cased locks:

Order no. 555043: 140PS Case width 30 mm

Order no. 555044: 140PS Case width 40 mm









## No. 140RD

### Lock case with roller latch rim deadlock for triangular and profile cylinders, bare-metal

with zinc-plated roller latch rim deadlock for triangular and profile cylinder no. 142RD, with stainless steel fore-end. Can be used on left or right. Prepared for triangular and profile cylinder (PZ). Without night latch.

- backset 30 and 60 mm
- rotation 1-turn
- spacing 72 mm



| Order no. | Case width A [mm] | Closure | C [mm] | E [mm] | F [mm] | H [mm] | Weight [g] |
|-----------|-------------------|---------|--------|--------|--------|--------|------------|
| 557063    | 30                | PZ      | 172    | 24     | 33,5   | 33,5   | 1470       |
| 557066    | 40                | PZ      | 173    | 33     | 34,5   | 34,0   | 2550       |

### Application:

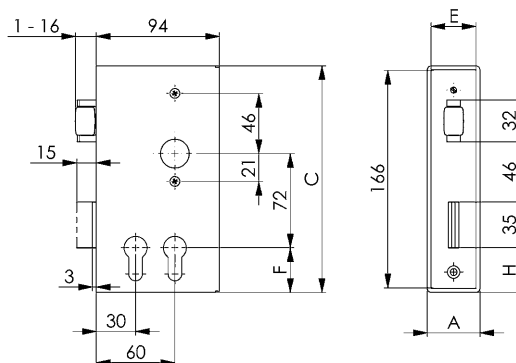
The practical solution when two people (or groups of people) require independent access: for example fire-brigade approaches or waste-container enclosures. The lock case with two cylinders permits access for the fire brigade or disposal companies via triangular socket spanner, and can also be integrated into the normal master-key system. After the bolt is pushed back, the gate can be pushed open easily via the roller latch (stationary hardware recommended).

### Note:

The cylinders can be actuated separately from one another and open or close the bolt. Installation of triangular and profile cylinder without jamming of the lock regardless of key bit position possible when withdrawing the triangular socket spanner.

However, ensuring the following arrangement of triangular and profile cylinder is absolutely essential:

- backset 30 mm: profile cylinder
- backset 60 mm: triangular cylinder



## No. 142RD

### Roller latch rim deadlock for triangular and profile cylinders, zinc-plated

with stainless steel fore-end. Can be used on left or right. Prepared for triangular and profile cylinder (PZ). Without night latch.

- backset 30 and 60 mm
- rotation 1-turn
- spacing 72 mm



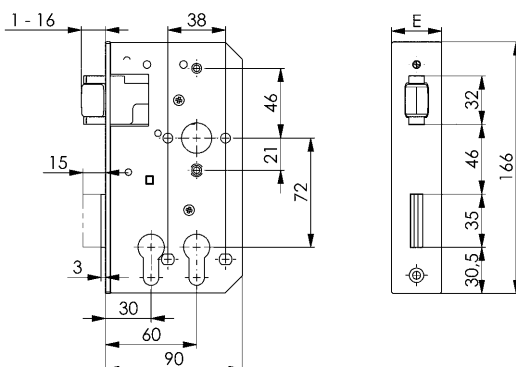
| Order no. | for case width [mm] | Closure | E [mm] | Weight [g] |
|-----------|---------------------|---------|--------|------------|
| 557070    | 30                  | PZ      | 24     | 728        |
| 557072    | 40                  | PZ      | 33     | 763        |

### Note:

The cylinders can be actuated separately from one another and open or close the bolt. Installation of triangular and profile cylinder without jamming of the lock regardless of key bit position possible when withdrawing the triangular socket spanner.

However, ensuring the following arrangement of triangular and profile cylinder is absolutely essential:

- backset 30 mm: profile cylinder
- backset 60 mm: triangular cylinder



## No. 140DK

### Lock case for two profile cylinders, empty

Accessories: handle rosette set no. 494.

| Order no. | Case width A [mm] | C [mm] | F [mm] | Weight [g] |
|-----------|-------------------|--------|--------|------------|
| 11197     | 30                | 172    | 33,5   | 780        |
| 14662     | 40                | 173    | 34,0   | 1000       |

CAD



Subject to technical alterations.



## No. 140R

### Lock case with roller latch rim deadlock, bare metal

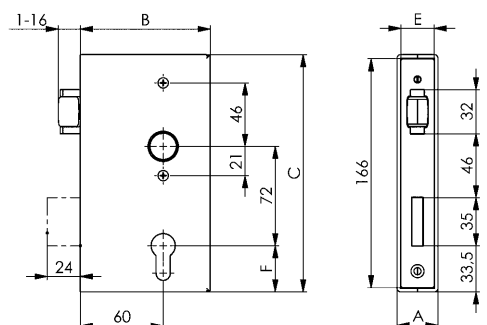
With zinc-plated roller latch rim deadlock no. 142R-\*\*, with stainless steel fore-end. Can be used on left or right. Prepared for profile cylinder (PZ) or bit key adapter set. With night latch function.

- backset 60 mm
- rotation 2 turn
- centres 72 mm

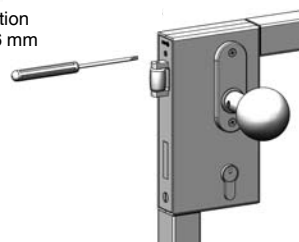


| Order no. | Case width A [mm] | Closure | B [mm] | C [mm] | E [mm] | F [mm] | Weight [g] |
|-----------|-------------------|---------|--------|--------|--------|--------|------------|
| 12864     | 30                | PZW     | 94,0   | 172    | 24     | 33,5   | 1550       |
| 12880     | 40                | PZW     | 94,5   | 173    | 33     | 34,5   | 1820       |

Cased lock, empty, see no. 140KI



Setting the latch projection  
Adjustment range: 1-16 mm



### Recommendations



No. 486Z,  
page 61



No. 55,  
page 66

## No. 142R

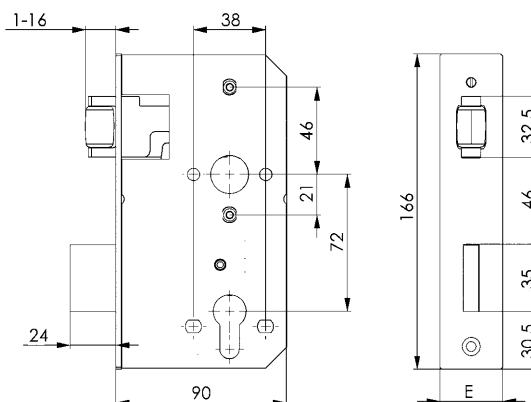
### Roller latch rim deadlock, galvanised

Can be used on left or right. With stainless steel fore-end, prepared for profile cylinder (PZ) or bit key adapter set. Night latch function.

- backset 60 mm
- rotation 2 turns
- centres 72 mm



| Order no. | for case width [mm] | Closure | E [mm] | Weight [g] |
|-----------|---------------------|---------|--------|------------|
| 12906     | 30                  | PZW     | 24     | 750        |
| 12922     | 40                  | PZW     | 33     | 810        |



## No. 147RNI

### Striking plate, V2A

stainless steel.

Accessory: 2 stainless steel screws M4x8 mm.



| Order no. | for case width [mm] | A [mm] | C [mm] | Material thickness [mm] | Weight [g] |
|-----------|---------------------|--------|--------|-------------------------|------------|
| 557053    | 30                  | 24     | 171    | 3,0                     | 90         |
| 557054    | 40                  | 33     | 172    | 3,0                     | 100        |

### Application:

Suitable for striking boxes for sliding bolts:

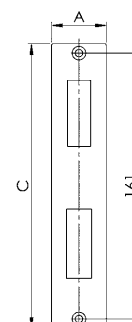
Order no. 557053: 144ET, 146ET, 147, 147B Case width 30 mm

Order no. 557054: 144ET, 146ET, 147, 147A, 147B Case width 40 mm

Suitable for cased locks:

Order no. 557053: 140R, 140RD Case width 30 mm

Order no. 557054: 140R, 140RD Case width 40 mm



Subject to technical alterations.

## No. 140S

### Sliding-door lock case, bare-metal

with zinc-plated lock no. 142S-\*\*. Follower and latch catch made of cast stainless steel. Optionally prepared for profile cylinder (PZ), Swiss round cylinder (RZ) or bit-key adapter set. With night latch function.

Incl. handle rosette no. 494, and 1 locking pin, stainless steel.

- backset 60 mm
- rotation 1 turn
- follower 8 mm
- centres PZ 72 mm
- centres RZ 74 mm



#### Recommendations



No. 147S,  
page 42



No. 418,  
page 56

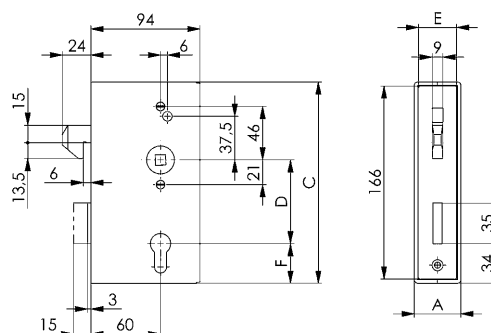


No. 140SNIG,  
page 18

| Order no. | Case width A<br>[mm] | Closure | C<br>[mm] | D<br>[mm] | E<br>[mm] | F<br>[mm] | Material thickness<br>[mm] | Weight<br>[g] |
|-----------|----------------------|---------|-----------|-----------|-----------|-----------|----------------------------|---------------|
| 13987     | 30                   | PZW     | 172       | 72        | 24        | 33,5      | 2,5                        | 1550          |
| 13839     | 30                   | RZW     | 172       | 74        | 24        | 31,5      | 2,5                        | 1550          |
| 13995     | 40                   | PZW     | 173       | 72        | 33        | 34,0      | 3,0                        | 1820          |
| 13821     | 40                   | RZW     | 173       | 74        | 33        | 32,0      | 3,0                        | 1820          |
| 14274     | 50                   | PZW     | 173       | 72        | 43        | 34,0      | 3,0                        | 1960          |
| 13961     | 50                   | RZW     | 173       | 74        | 43        | 32,0      | 3,0                        | 1960          |
| 16832     | 60                   | PZW     | 173       | 72        | 53        | 34,0      | 3,0                        | 2010          |

#### Note:

The lock is fastened by a sturdy locating pin in the case, and this retained by a screw from the fore-end face through the latch cut-out. The additional deadbolt option prevents the door being levered out.



## No. 142S

### Sliding-door lock, zinc-plated

Follower and latch catch made of cast stainless steel. Optionally prepared for profile cylinder (PZ), Swiss round cylinder (RZ) or bit key adapter set. Night latch function.

Incl. 1 locking pin

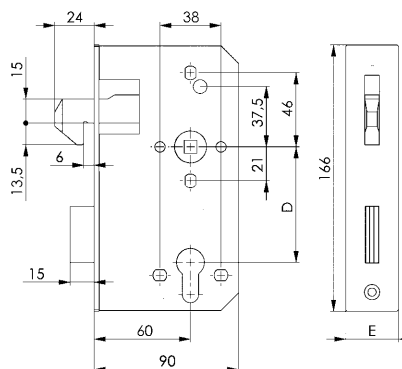
- backset 60 mm
- rotation 1 turn
- follower 8 mm
- centres PZ 72 mm
- centres RZ 74 mm



| Order no. | for case width<br>[mm] | Closure | D<br>[mm] | E<br>[mm] | Weight<br>[g] |
|-----------|------------------------|---------|-----------|-----------|---------------|
| 13789     | 30                     | PZW     | 72        | 24        | 800           |
| 13797     | 30                     | RZW     | 74        | 24        | 800           |
| 13805     | 40                     | PZW     | 72        | 33        | 830           |
| 13813     | 40                     | RZW     | 74        | 33        | 830           |
| 13847     | 50                     | PZW     | 72        | 43        | 870           |
| 13946     | 50                     | RZW     | 74        | 43        | 870           |
| 16816     | 60                     | PZW     | 72        | 53        | 880           |

#### Note:

The additional deadbolt option prevents the door being levered out.



## No. 140SK

### Sliding-door lock case, empty

for sliding-door lock no. 142S.

Accessories: handle rosette set no. 494.



| Order no. | Case width A<br>[mm] | Closure | C<br>[mm] | D<br>[mm] | F<br>[mm] | Material thickness<br>[mm] | Weight<br>[g] |
|-----------|----------------------|---------|-----------|-----------|-----------|----------------------------|---------------|
| 14076     | 30                   | PZW     | 172       | 72        | 33,5      | 2,5                        | 780           |
| 14084     | 30                   | RZW     | 172       | 74        | 31,5      | 2,5                        | 780           |
| 14191     | 40                   | PZW     | 172       | 72        | 34,0      | 3,0                        | 820           |
| 14217     | 40                   | RZW     | 172       | 74        | 32,0      | 3,0                        | 1000          |
| 14233     | 50                   | PZW     | 173       | 72        | 34,0      | 3,0                        | 1150          |
| 14258     | 50                   | RZW     | 173       | 74        | 32,0      | 3,0                        | 1155          |
| 16790     | 60                   | PZW     | 173       | 72        | 34,0      | 3,0                        | 1170          |

Subject to technical alterations.

## No. 140SD

### Sliding-door lock case for two profile cylinders, bare-metal

with zinc-plated lock no. 142SD. Follower and latch catch made of cast stainless steel. Prepared for profile cylinder (PZ). With night latch function.

Incl. handle rosette no. 494, and 1 locking pin, stainless steel.

- backset 30 and 60 mm
- rotation 1 turn
- follower 8 mm
- centres 72 mm



#### Recommendations



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page 56



No. 55,  
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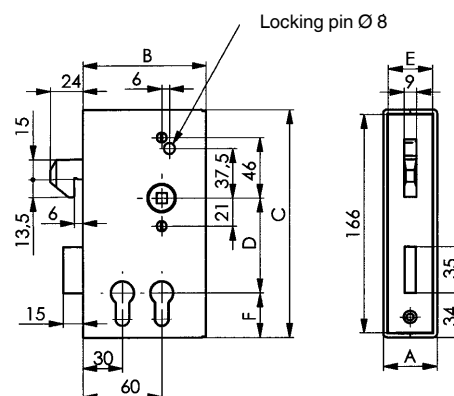
| Order no. | Case width A [mm] | Closure | B [mm] | C [mm] | D [mm] | E [mm] | F [mm] | Material thickness [mm] | Weight [g] |
|-----------|-------------------|---------|--------|--------|--------|--------|--------|-------------------------|------------|
| 16212     | 40                | PZW     | 94,5   | 173    | 72     | 33     | 34     | 3,0                     | 1820       |

#### Application:

The practical solution when two people (or groups of people) require independent access: for example fire-brigade approaches or waste-container enclosures. The cased lock with two profile cylinders permits access for the fire brigade or disposal companies via general key, and can also be integrated into the normal master-key system.

#### Note:

- Installation of two profile cylinders that can be operated independently of one another required
- Cam position up to 45°



## No. 142SD

### Sliding-door lock for two profile cylinders, zinc-plated

Follower and latch catch made of cast stainless steel. Prepared for profile cylinder (PZ). Night latch function.

Incl. 1 locking pin.

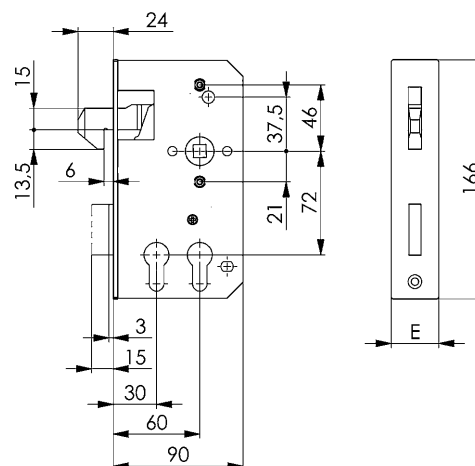
- backset 30 and 60 mm
- rotation 1 turn
- follower 8 mm
- centres 72 mm



| Order no. | for case width [mm] | Closure | E [mm] | Weight [g] |
|-----------|---------------------|---------|--------|------------|
| 16238     | 40                  | PZW     | 33     | 810        |

#### Note:

- Installation of two profile cylinders that can be operated independently of one another required
- Cam position up to 45°



## No. 140SDK

### Sliding-door lock case for two profile cylinders, empty

for sliding-door lock no. 142SD.

Accessories: handle rosette set no. 494.



| Order no. | Case width A [mm] | Closure | C [mm] | F [mm] | Weight [g] |
|-----------|-------------------|---------|--------|--------|------------|
| 16220     | 40                | PZW     | 173    | 34     | 1000       |



## No. 147SNIG-XX-06

### Sliding gate striking plate, V2A

stainless steel.

Accessory: 2 stainless steel screws M5 x 10 mm.



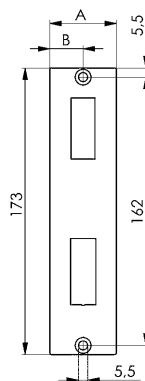
| Order no. | for case width<br>[mm] | A<br>[mm] | B<br>[mm] | Material thickness<br>[mm] | Weight<br>[g] |
|-----------|------------------------|-----------|-----------|----------------------------|---------------|
| 553125    | 30                     | 30        | 15        | 3,0                        | 95            |
| 154815    | 40                     | 40        | 20        | 3,0                        | 100           |

### Application:

Suitable for no. 140S, 142S, 140SD and 142SD.

### Note:

This striking plate can be used to advantage when the frame serves as the sliding bolt. In this case it is not necessary to make precise cut-outs for the latch and deadbolt.

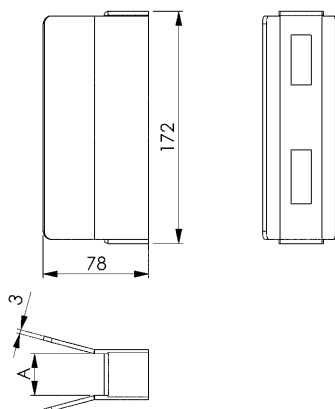


## No. 147S

### Sliding-door lock casing, bare-metal

for welding.

| Order no. | for case width<br>[mm] | A<br>[mm] | Weight<br>[g] |
|-----------|------------------------|-----------|---------------|
| 14134     | 30                     | 31        | 775           |
| 14142     | 40                     | 41        | 830           |



CAD



Subject to technical alterations.

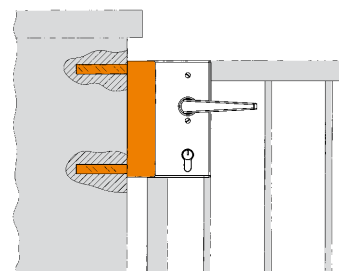
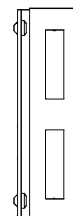
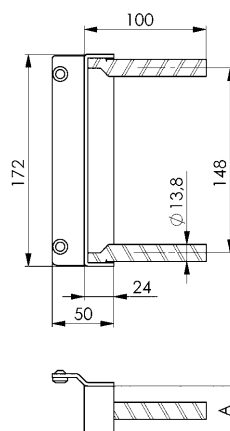
## No. 145

### Lock casing, zinc-plated

for installation by drilling.  
Can be used on left or right.



| Order no. | for case width<br>[mm] | A<br>[mm] | Weight<br>[g] |
|-----------|------------------------|-----------|---------------|
| 14829     | 30                     | 30        | 500           |
| 14845     | 40                     | 40        | 580           |



#### Recommendations



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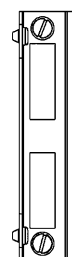
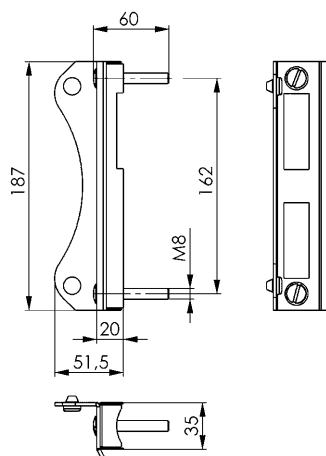
## No. 145A

### Lock casing, zinc-plated

For screwing on.  
Can be used on left or right.



| Order no. | for case width<br>[mm] | Weight<br>[g] |
|-----------|------------------------|---------------|
| 16329     | 30                     | 330           |
| 16360     | 40                     | 350           |



#### Recommendations



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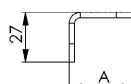
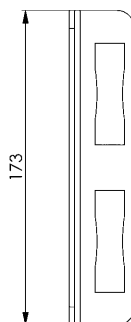
## No. 145W

### Stop

for welding.  
Can be used on left or right.



| Order no. | for case width<br>[mm] | A<br>[mm] | Weight<br>[g] |
|-----------|------------------------|-----------|---------------|
| 524397    | 30                     | 36        | 200           |
| 524330    | 40                     | 45        | 230           |



CAD

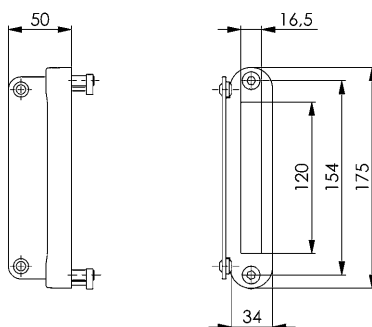
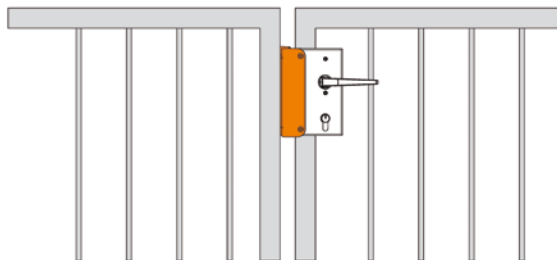
Subject to technical alterations.

## No. 145G

### Lock casing, bare-metal

For screwing on. Housing made of light metal, stop made of stainless steel. Can be used on left or right. For profiles adjustable 30 - 60 mm.  
Incl. installation accessories.

| Order no. | for case width | Weight |
|-----------|----------------|--------|
|           | [mm]           | [g]    |
| 12526     | 30 - 60        | 650    |

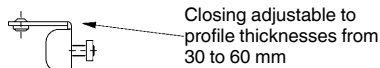


#### Recommendations



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CAD

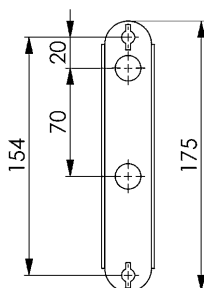


## No. 107G-25

### Round-profile support

from aluminium. Suitable for lock casing 145G.

| Order no. | For tubes with outside diameter | Weight |
|-----------|---------------------------------|--------|
|           | [mm]                            | [g]    |
| 12542     | 34 - 60                         | 120    |



Subject to technical alterations.

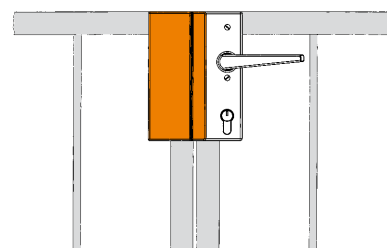
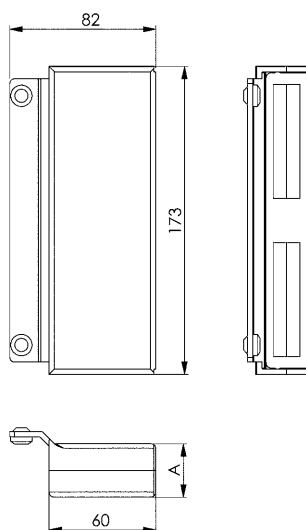


## No. 146GS

### Striking box, bare-metal, narrow

for welding for double gates.  
Can be used on left or right.

| Order no. | for case width<br>[mm] | A<br>[mm] | Weight<br>[g] |
|-----------|------------------------|-----------|---------------|
| 17954     | 30                     | 30        | 784           |
| 551708    | 40                     | 40        | 922           |



CAD

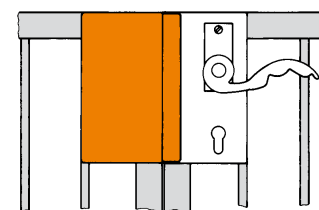
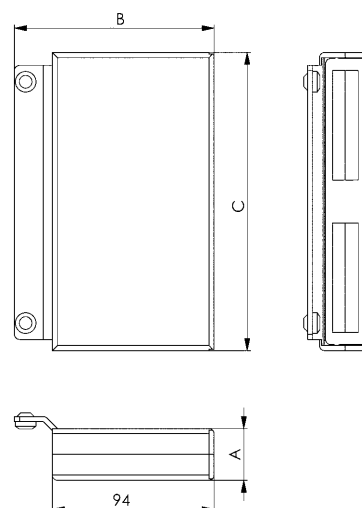


## No. 144GS

### Striking box, bare-metal

for welding for double gates.  
Can be used on left or right.

| Order no. | for case width<br>[mm] | A<br>[mm] | B<br>[mm] | C<br>[mm] | Weight<br>[g] |
|-----------|------------------------|-----------|-----------|-----------|---------------|
| 17921     | 30                     | 30        | 116       | 172       | 1061          |
| 17939     | 40                     | 40        | 119       | 173       | 1269          |
| 17947     | 50                     | 50        | 119       | 173       | 1452          |



CAD



Subject to technical alterations.

## No. 146ET

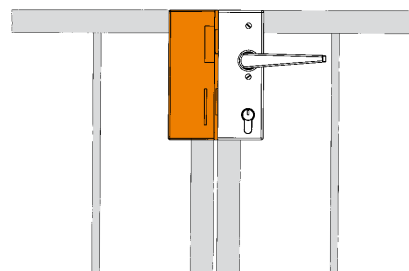
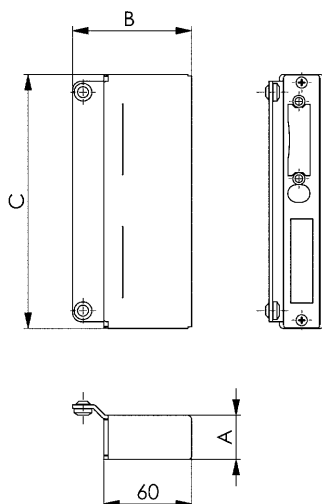
### Striking box, bare-metal, narrow

for welding for double gates.

Can be used on left or right. Prepared for electric door opener.

Incl. zinc-plated striking plate.

| Order no. | for case width<br>[mm] | A<br>[mm] | B<br>[mm] | C<br>[mm] | Weight<br>[g] |
|-----------|------------------------|-----------|-----------|-----------|---------------|
| 14746     | 30                     | 30        | 80,5      | 172       | 725           |
| 10330     | 40                     | 40        | 81,0      | 173       | 920           |



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CAD



## No. 144ET

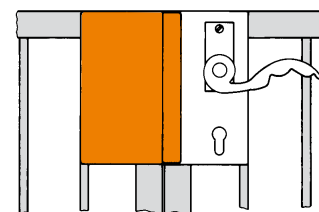
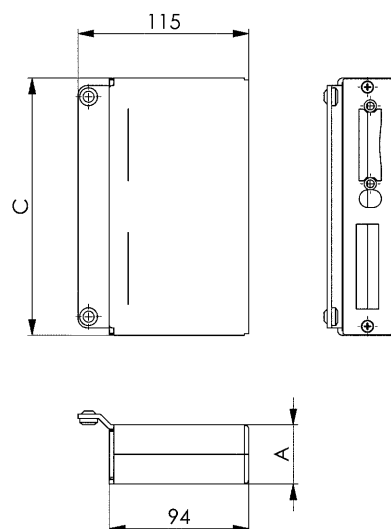
### Striking box, bare-metal

for welding for double gates.

Can be used on left or right. Prepared for electric door opener.

Incl. zinc-plated striking plate.

| Order no. | for case width<br>[mm] | A<br>[mm] | C<br>[mm] | Weight<br>[g] |
|-----------|------------------------|-----------|-----------|---------------|
| 14704     | 30                     | 30        | 172       | 935           |
| 14738     | 40                     | 40        | 173       | 1275          |
| 14761     | 50                     | 50        | 173       | 1354          |
| 14787     | 60                     | 60        | 173       | 1525          |



#### Recommendations



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CAD



Subject to technical alterations.

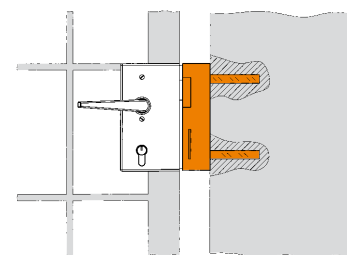
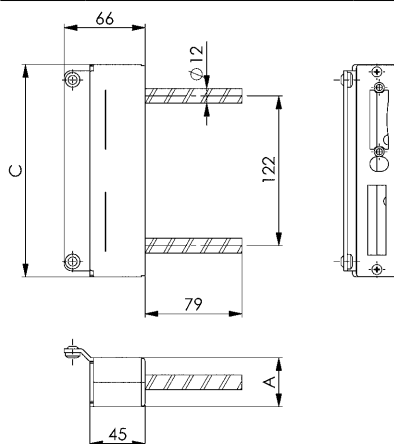
## No. 147

### Lock casing, zinc-plated

for installation by drilling.  
Can be used on left or right. Prepared for electric door opener.  
Incl. zinc-plated striking plate.



| Order no. | for case width<br>[mm] | A<br>[mm] | C<br>[mm] | Weight<br>[g] |
|-----------|------------------------|-----------|-----------|---------------|
| 18655     | 30                     | 30        | 172       | 900           |
| 14894     | 40                     | 40        | 173       | 1010          |
| 14902     | 50                     | 50        | 173       | 1360          |



#### Recommendations



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## No. 147A

### Lock casing, zinc-plated

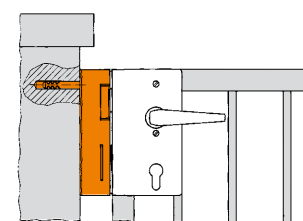
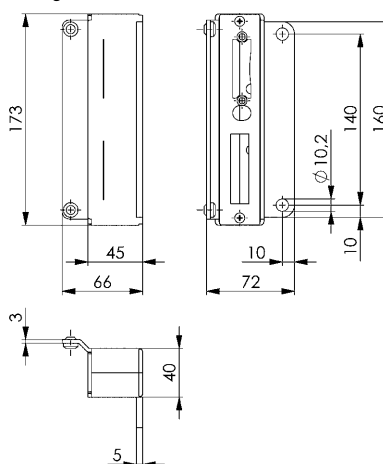
for installation with wall plugs.  
Can be used on left or right. Prepared for electric door opener.  
Incl. zinc-plated striking plate.



| Order no. | for case width<br>[mm] | Weight<br>[g] |
|-----------|------------------------|---------------|
| 14977     | 40                     | 910           |

#### On request:

Striking box that fits 30 mm case width.



#### Recommendations



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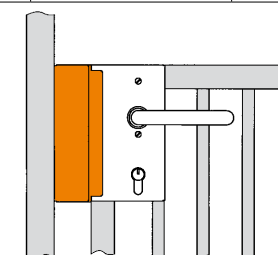
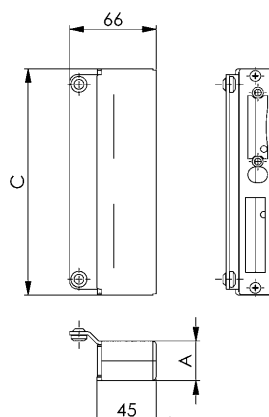
## No. 147B

### Lock casing, bare-metal

for welding.  
Can be used on left or right. Prepared for electric door opener.  
Incl. zinc-plated striking plate.



| Order no. | for case width<br>[mm] | A<br>[mm] | C<br>[mm] | Weight<br>[g] |
|-----------|------------------------|-----------|-----------|---------------|
| 18630     | 30                     | 30        | 172       | 800           |
| 14878     | 40                     | 40        | 173       | 865           |
| 14852     | 50                     | 50        | 173       | 965           |



#### Recommendations



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Subject to technical alterations.



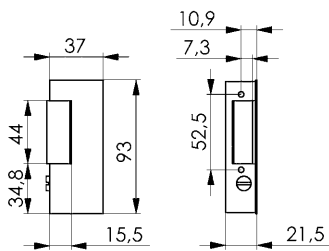
## No. 148

### Electric door-opener

Operating voltage 6-12V. For alternating current (protection class IP65), fail-safe version.



14936/14969



| Order no. | Unlatcher | Retainer | Door direction | Weight [g] |
|-----------|-----------|----------|----------------|------------|
| 14910     | -         | -        | DIN L          | 310        |
| 14928     | -         | -        | DIN R          | 310        |
| 14936     | ●         | -        | DIN L          | 310        |
| 14944     | ●         | -        | DIN R          | 310        |
| 14969     | ●         | ●        | DIN L          | 310        |
| 14985     | ●         | ●        | DIN R          | 310        |

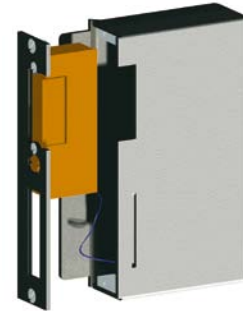
R = right, L = left

#### Application:

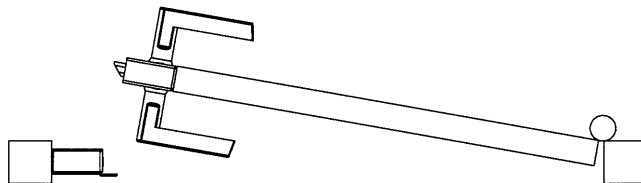
With both the striking box and the cased lock, the electric door-opener is installed from the front. The recesses for the door opener must be cut out in the strike plate, strike box or lock case.

#### On request:

Version without unlocking and without retainer (latching) in closed-circuit design available in 12V or 24V direct current.



#### Example: Door closing DIN L with ET for door direction DIN L



#### Retainer

The retainer keeps the door opener unlatched until the door is opened even after contact is made. Entry is only possible once. The retainer functions by internal electronics. Retaining function for one-off, time-delayed entry.

#### Unlatcher

Unlatching is performed using the adjustment screw and deactivates the door opener function during visiting hours. The door opener spring bolt is movable, the door can be opened and closed as many times as desired.

- Screw slot vertical = free access
- Screw slot horizontal = normal door opener function

## No. 151NI

### Espagnolette, rail-guided

for securing the second door leaf of two-leaf doors.  
Stainless steel, can be used on left or right.

Suitable for pipe profile from 30x30 mm.

Accessory:

4 stainless steel flat-head screws,  
stainless steel actuator knob,  
bare-metal bolt guide sleeve for latch,  
stainless steel bolt guide sleeve for latch,  
template for marking the aperture,  
installation instructions.



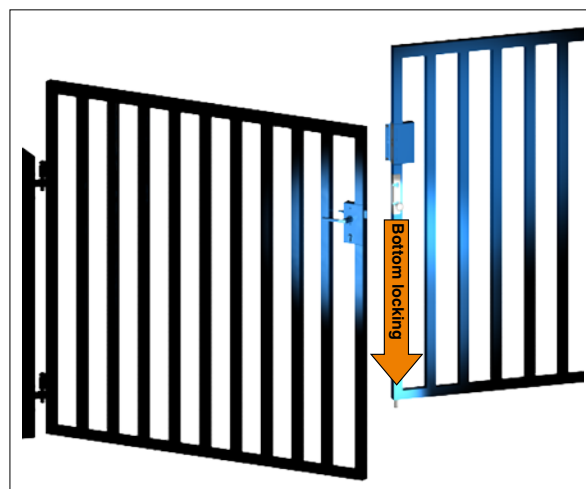
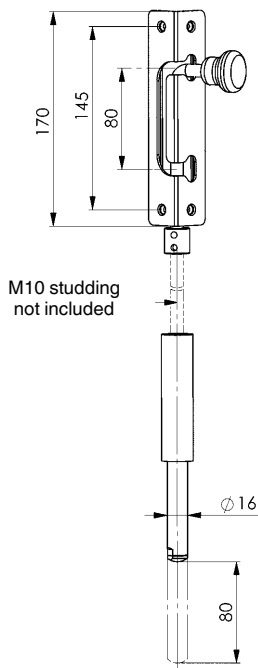
| Order no. | Suitable for tube profiles from<br>[mm] | Thickness of the pipe profile<br>[mm] | Weight<br>[g] |
|-----------|-----------------------------------------|---------------------------------------|---------------|
| 11064     | 30 x 30                                 | 2                                     | 500           |

### Application:

This version is particularly resistant to dirt and ice and provides excellent protection against vandalism. The rail-guided movement of the handle prevents the espagnolette from being pushed down to the unlocked position.

### Note:

Rectangular tube and M10 studding are not supplied as standard.



## No. 151C

### Espagnolette, Convenient

for securing the second door leaf of two-leaf doors.

Aluminium housing, can be used on right or left.

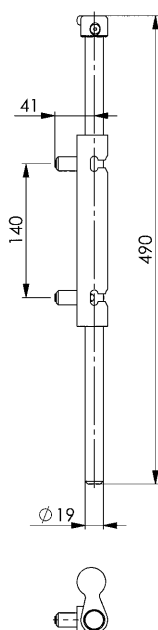
Suitable for pipe profiles from 30x30 mm.

Accessory:

2 blind nuts for installation,  
aluminium actuator knob,  
aluminium actuating bolt,  
template for marking the aperture,  
installation instructions.



| Order no. | Suitable for tube profiles from<br>[mm] | Thickness of the pipe profile<br>[mm] | Weight<br>[g] |
|-----------|-----------------------------------------|---------------------------------------|---------------|
| 554189    | 30 x 30                                 | 2-3                                   | 1510          |



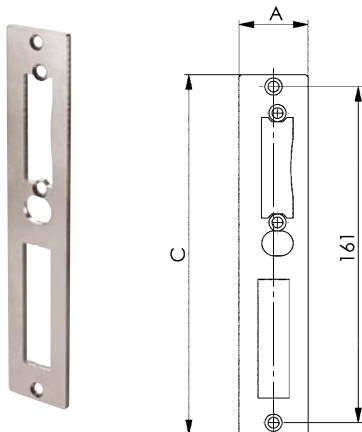
Subject to technical alterations.

## No. 147NI

### Striking plate, V2A

stainless steel.

Accessory: 2 stainless steel screws M4x8 mm.



| Order no. | for case width<br>[mm] | A<br>[mm] | C<br>[mm] | Material thickness<br>[mm] | Weight<br>[g] |
|-----------|------------------------|-----------|-----------|----------------------------|---------------|
| 553126    | 30                     | 24,0      | 171       | 3                          | 55            |
| 553127    | -                      | 34,0      | 172       | 3                          | 95            |
| 553128    | 40                     | 33,0      | 172       | 3                          | 90            |
| 553438    | 42                     | 35,4      | 172       | 3                          | 100           |
| 553129    | 50                     | 43,0      | 172       | 3                          | 135           |
| 553130    | 60                     | 53,0      | 172       | 3                          | 170           |

### Application:

Suitable for striking boxes with sliding bolts:

Order no. 553126: 144ET, 146ET, 147, 147B Case width 30 mm

Order no. 553128: 144ET, 146ET, 147, 147A, 147B Case width 40 mm

Order no. 553129: 144ET, 147, 147B Case width 50 mm

Order no. 553130: 144ET Case width 60 mm

Suitable for cased locks:

Order no. 553126: 141U, 140U, 140UM, 140D, 140P, 140PGN Case width 30 mm

Order no. 553127: 140U Case width 34 mm

Order no. 553128: 141U, 140U, 140UM, 140UMV, 140D, 140P, 140PGN Case width 40 mm

Order no. 553438: 140UNIG Case width 42,4 mm

Order no. 553129: 140U Case width 50 mm

Order no. 553130: 140U Case width 60 mm

### Note:

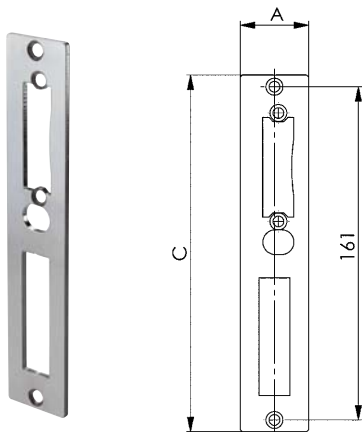
These striking plates can be used to advantage if the frame also serves as the „lock casing“. It is then not necessary to create precise recesses for the hook latch and deadbolt.

The bores for fastening the striking plate in the closing or striking box are centrally arranged.

## No. 147V

### Striking plate, zinc-plated

Accessory: 2 stainless steel screws M4x8 mm.



| Order no. | for case width<br>[mm] | A<br>[mm] | C<br>[mm] | Material thickness<br>[mm] | Weight<br>[g] |
|-----------|------------------------|-----------|-----------|----------------------------|---------------|
| 553131    | 30                     | 24        | 171       | 3                          | 55            |
| 553132    | -                      | 34        | 172       | 3                          | 95            |
| 553133    | 40                     | 33        | 172       | 3                          | 90            |
| 553134    | 50                     | 43        | 172       | 3                          | 135           |
| 553135    | 60                     | 53        | 172       | 3                          | 170           |

### Application:

Suitable for striking boxes with sliding bolts:

Order no. 553131: 144ET, 146ET, 147, 147B Case width 30 mm

Order no. 553133: 144ET, 146ET, 147, 147A, 147B Case width 40 mm

Order no. 553134: 144ET, 147, 147B Case width 50 mm

Order no. 553135: 144ET Case width 60 mm

Suitable for cased locks:

Order no. 553131: 141U, 140U, 140UM, 140D, 140P, 140PGN Case width 30 mm

Order no. 553132: 140U Case width 34 mm

Order no. 553133: 141U, 140U, 140UM, 140UMV, 140D, 140P, 140PGN Case width 40 mm

Order no. 553134: 140U Case width 50 mm

Order no. 553135: 140U Case width 60 mm

### Note:

These striking plates can be used to advantage if the frame also serves as the „lock casing“. It is then not necessary to create precise recesses for the hook latch and deadbolt.

The bores for fastening the striking plate in the closing or striking box are centrally arranged.

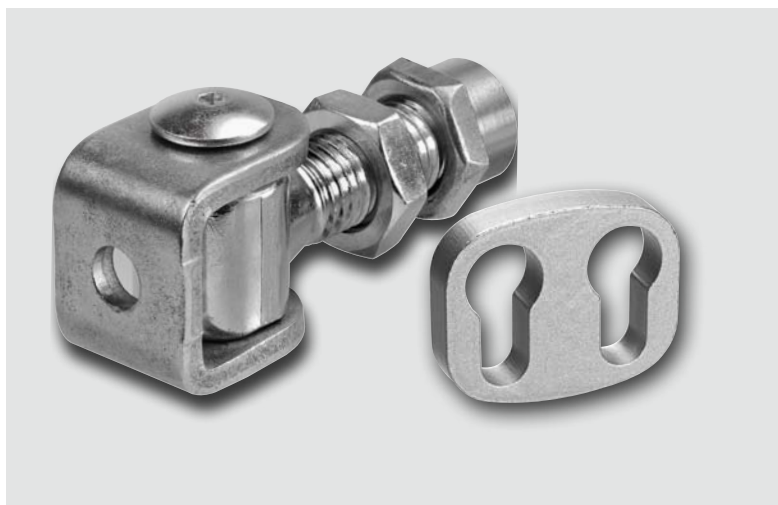


## QUALITY THAT OPENS ALL DOORS FOR YOU ...

### SUITABLE LOCK CASE ACCESSORIES

#### ON THE FOLLOWING PAGES YOU WILL FIND:

- > suitable fittings for your lock case or tube-frame lock, whether in round, angular or hammer-finished form, in stainless steel, aluminium or forged steel.
- > suitable accessories for security and protection, for fastening and installation, or simply as replacements and supplements.



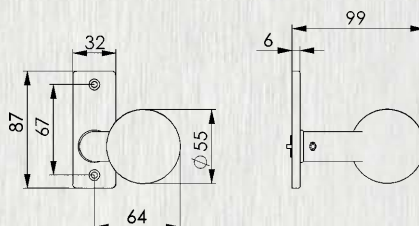
## No. 438

### Door knob, cranked

Stainless steel. Installed on edged furniture rose.  
17269 rigid installation, can be used on left or right  
17194 rigid installation, rotatable  
Incl. 2 stainless steel screws.



| Order no. | Fixed | Pivoting | Door knob<br>[mm] | Rose<br>[mm] | Weight<br>[g] |
|-----------|-------|----------|-------------------|--------------|---------------|
| 17269     | ●     | -        | Ø 55              | 32 x 87 x 6  | 220           |
| 17194     | -     | ●        | Ø 55              | 32 x 87 x 6  | 220           |



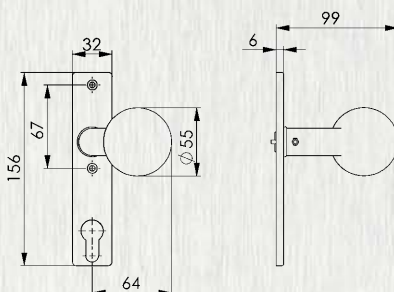
## No. 439

### Door knob, cranked

Stainless steel. Installed on edged short cylinder plate.  
17152 rigid installation, can be used on left or right  
17277 rigid installation, rotatable  
Incl. 2 stainless steel screws.  
Short plate with 72 mm spacing.



| Order no. | Fixed | Pivoting | Door knob<br>[mm] | Short plate<br>[mm] | Weight<br>[g] |
|-----------|-------|----------|-------------------|---------------------|---------------|
| 17152     | ●     | -        | Ø 55              | 32 x 156 x 6        | 300           |
| 17277     | -     | ●        | Ø 55              | 32 x 156 x 6        | 300           |



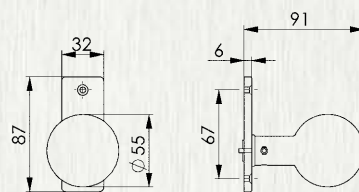
## No. 436

### Door knob, straight

Stainless steel. Installed on edged furniture rose.  
17186 rigid installation,  
16741 rigid installation, rotatable  
Incl. 2 stainless steel screws.



| Order no. | Fixed | Pivoting | Door knob<br>[mm] | Rose<br>[mm] | Weight<br>[g] |
|-----------|-------|----------|-------------------|--------------|---------------|
| 17186     | ●     | -        | Ø 55              | 32 x 87 x 6  | 200           |
| 16741     | -     | ●        | Ø 55              | 32 x 87 x 6  | 200           |



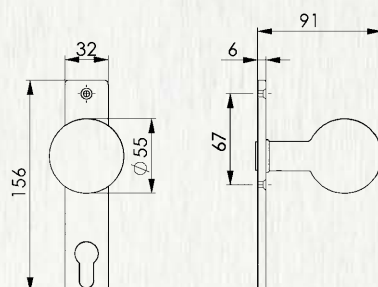
## No. 437

### Door knob, straight

Stainless steel. Installed on edged short cylinder plate.  
17228 rigid installation  
16782 rigid installation, rotatable  
Incl. 2 stainless steel screws.  
Short plate with 72 mm spacing.



| Order no. | Fixed | Pivoting | Door knob<br>[mm] | Short plate<br>[mm] | Weight<br>[g] |
|-----------|-------|----------|-------------------|---------------------|---------------|
| 17228     | ●     | -        | Ø 55              | 32 x 156 x 6        | 280           |
| 16782     | -     | ●        | Ø 55              | 32 x 156 x 6        | 280           |



Subject to technical alterations.



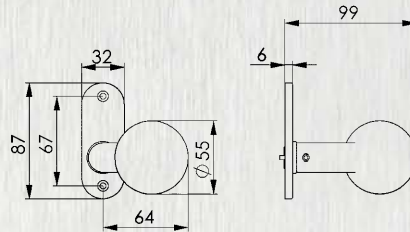
## No. 433

### Door knob, cranked

Stainless steel. Installed on rounded furniture rose.  
17285 rigid installation, can be used on left or right  
17251 rigid installation, rotatable  
Incl. 2 stainless steel screws.



| Order no. | Fixed | Pivoting | Door knob<br>[mm] | Rose<br>[mm] | Weight<br>[g] |
|-----------|-------|----------|-------------------|--------------|---------------|
| 17285     | ●     | -        | Ø 55              | 32 x 87 x 6  | 220           |
| 17251     | -     | ●        | Ø 55              | 32 x 87 x 6  | 220           |



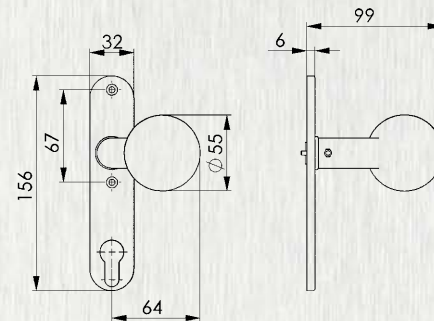
## No. 434

### Door knob, cranked

Stainless steel. Installed on rounded short cylinder plate.  
17178 rigid installation, can be used on left or right  
17012 rigid installation, rotatable  
Incl. 2 stainless steel screws.  
Short plate with 72 mm spacing.



| Order no. | Fixed | Pivoting | Door knob<br>[mm] | Short plate<br>[mm] | Weight<br>[g] |
|-----------|-------|----------|-------------------|---------------------|---------------|
| 17178     | ●     | -        | Ø 55              | 32 x 156 x 6        | 300           |
| 17012     | -     | ●        | Ø 55              | 32 x 156 x 6        | 300           |



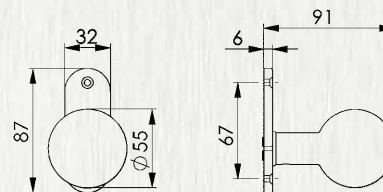
## No. 431

### Door knob, straight

Stainless steel. Installed on rounded furniture rose.  
17202 rigid installation  
16766 rigid installation, rotatable  
Incl. 2 stainless steel screws.



| Order no. | Fixed | Pivoting | Door knob<br>[mm] | Rose<br>[mm] | Weight<br>[g] |
|-----------|-------|----------|-------------------|--------------|---------------|
| 17202     | ●     | -        | Ø 55              | 32 x 87 x 6  | 200           |
| 16766     | -     | ●        | Ø 55              | 32 x 87 x 6  | 200           |



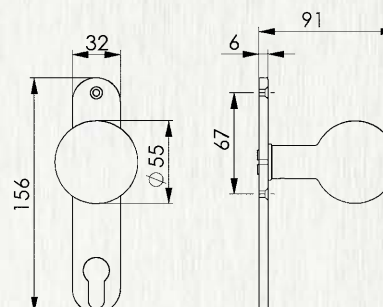
## No. 432

### Door knob, straight

Stainless steel. Installed on rounded short cylinder plate.  
17244 rigid installation  
16808 rigid installation, rotatable  
Incl. 2 stainless steel screws.  
Short plate with 72 mm spacing.



| Order no. | Fixed | Pivoting | Door knob<br>[mm] | Short plate<br>[mm] | Weight<br>[g] |
|-----------|-------|----------|-------------------|---------------------|---------------|
| 17244     | ●     | -        | Ø 55              | 32 x 156 x 6        | 280           |
| 16808     | -     | ●        | Ø 55              | 32 x 156 x 6        | 280           |



## No. 426

### Handle plate

Stainless steel, angular shape.

10660 with bore for lever actuation

10652 blind

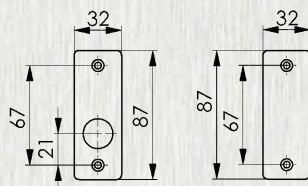
Suitable for all cased locks.

Incl. 2 handle plates for Ø16 mm and Ø18 mm levers, 2 stainless steel screws.



10660 10652

| Order no. | Bore for lever actuation | Dimension   | Weight |
|-----------|--------------------------|-------------|--------|
|           |                          | [mm]        |        |
| 10660     | ●                        | 32 x 87 x 6 | 120    |
| 10652     | -                        | 32 x 87 x 6 | 130    |



## No. 427Z

### Short cylinder plate

Stainless steel, angular shape.

10686 with bore for lever actuation.

10678 blind

Suitable for all cased locks.

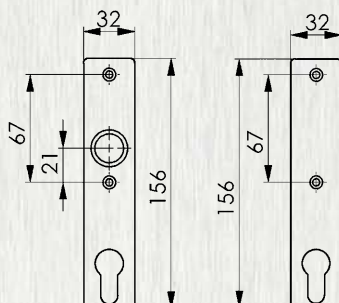
Incl. 2 handle plates for Ø16 mm and Ø18 mm levers, 2 stainless steel screws.

Short cylinder plate with 72 mm centre



10686 10678

| Order no. | Bore for lever actuation | Dimension    | Weight |
|-----------|--------------------------|--------------|--------|
|           |                          | [mm]         |        |
| 10686     | ●                        | 32 x 156 x 6 | 200    |
| 10678     | -                        | 32 x 156 x 6 | 210    |



## No. 420

### Handle plate

Stainless steel, rounded shape.

15099 with bore for lever actuation

15115 blind

Suitable for all cased locks.

Incl. 2 handle plates for Ø16 mm and Ø18 mm levers, 2 stainless steel screws.

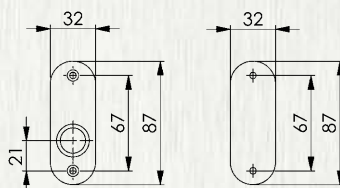


15099 15115

| Order no. | Bore for lever actuation | Dimension   | Weight |
|-----------|--------------------------|-------------|--------|
|           |                          | [mm]        |        |
| 15099     | ●                        | 32 x 87 x 6 | 87     |
| 15115     | -                        | 32 x 87 x 6 | 98     |

### Note:

For suitable lever and short spindles see item 457 and 481.



## No. 421Z

### Short cylinder plate

Stainless steel, rounded shape.

15073 with bore for lever actuation

15057 blind

Suitable for all cased locks.

Incl. 2 handle plates for Ø16 mm and Ø18 mm levers, 2 stainless steel screws.

Short cylinder plate with 72 mm centre

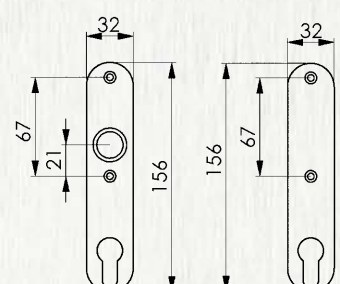


15073 15057

| Order no. | Bore for lever actuation | Dimension    | Weight |
|-----------|--------------------------|--------------|--------|
|           |                          | [mm]         |        |
| 15073     | ●                        | 32 x 156 x 6 | 163    |
| 15057     | -                        | 32 x 156 x 6 | 173    |

### Note:

For suitable lever and short spindles see item 457 and 481.



Subject to technical alterations.



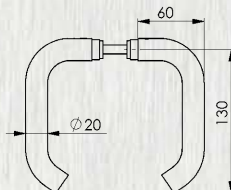
## No. 419

### Lever handles

15651 Lever handles pair, with handle pin

15644 Lever handles, single, female

Stainless steel, rounded shape, 18 mm guide, 8 mm spindle.



| Order no. | Handle set | Handle, single, female | for case width [mm] | Weight [g] |
|-----------|------------|------------------------|---------------------|------------|
| 15651     | ●          | -                      | 30 - 50             | 225        |
| 15644     | -          | ●                      | -                   | 150        |

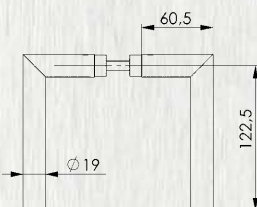
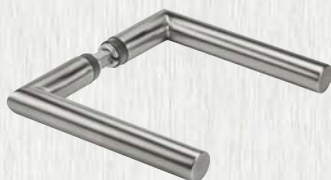
## No. 424

### Lever handles, L-shaped

11288 Lever handles pair, with handle pin

11304 Lever handles, single, female

Stainless steel, rounded shape, 18 mm guide, 8 mm spindle.



| Order no. | Handle set | Handle, single, female | for case width [mm] | Weight [g] |
|-----------|------------|------------------------|---------------------|------------|
| 11288     | ●          | -                      | 30 - 60             | 215        |
| 11304     | -          | ●                      | -                   | 80         |

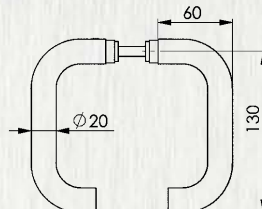
## No. 425

### Lever handles, U-shaped

11437 Lever handles pair, with handle pin

15313 Lever handles, single, female

Stainless steel, rounded shape, 18 mm guide, 8 mm spindle.



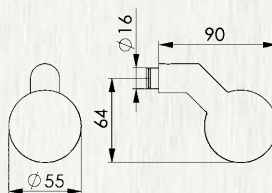
| Order no. | Handle set | Handle, single, female | for case width [mm] | Weight [g] |
|-----------|------------|------------------------|---------------------|------------|
| 11437     | ●          | -                      | 30 - 50             | 250        |
| 15313     | -          | ●                      | -                   | 150        |

## No. 435

### Door knob, cranked

Stainless steel, rounded shape, 16 mm guide.

Incl. 1 handle rosette.



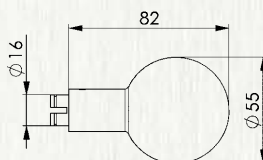
| Order no. | Door knob [mm] | Weight [g] |
|-----------|----------------|------------|
| 17145     | Ø 55           | 95         |

## No. 430

### Door knob, straight

Stainless steel, rounded shape, 16 mm guide.

Incl. 1 handle rosette.



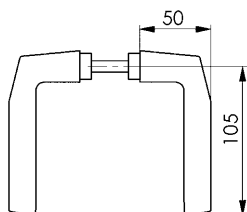
| Order no. | Door knob [mm] | Weight [g] |
|-----------|----------------|------------|
| 17160     | Ø 55           | 75         |

## No. 418

### Lever handles, straight

15388 Lever handles pair, with handle pin  
15347 Lever handles, single, female  
Light-alloy, silver-coloured (F1), angular shape, 18 mm guide,  
8 mm spindle.

| Order no. | Handle set | Handle, single, female | for case width<br>[mm] | Weight<br>[g] |
|-----------|------------|------------------------|------------------------|---------------|
| 15388     | ●          | -                      | 30 - 50                | 205           |
| 15347     | -          | ●                      | -                      | 85            |

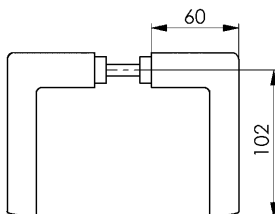
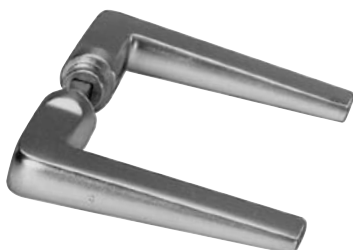


## No. 465

### Lever handles, straight

15420 Lever handles pair, with handle pin  
15438 Lever handles, single, female  
Light-alloy, silver-coloured (F1), angular shape, 18 mm guide,  
8 mm spindle.

| Order no. | Handle set | Handle, single, female | for case width<br>[mm] | Weight<br>[g] |
|-----------|------------|------------------------|------------------------|---------------|
| 15420     | ●          | -                      | 30 - 50                | 280           |
| 15438     | -          | ●                      | -                      | 115           |

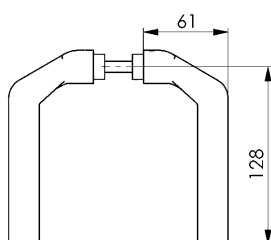


## No. 466

### Lever handles, cranked

15453 Lever handles pair, with handle pin  
15461 Lever handles, single, female  
Light-alloy, silver-coloured (F1), angular shape, 18 mm guide,  
8 mm spindle.

| Order no. | Handle set | Handle, single, female | for case width<br>[mm] | Weight<br>[g] |
|-----------|------------|------------------------|------------------------|---------------|
| 15453     | ●          | -                      | 30                     | 310           |
| 15461     | -          | ●                      | -                      | 135           |

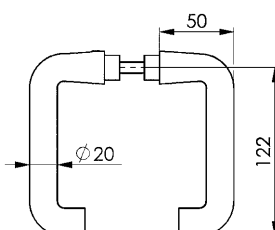


## No. 475

### Lever handles, U-shaped

11395 Lever handles pair, with lever pin  
15503 Lever handles, single, female  
Light-alloy, silver-coloured (F1), rounded shape, 18 mm  
guide, 8 mm spindle.

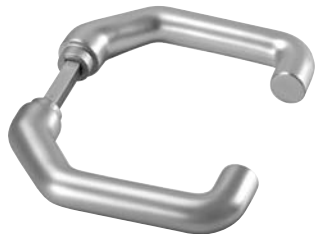
| Order no. | Handle set | Handle, single, female | for case width<br>[mm] | Weight<br>[g] |
|-----------|------------|------------------------|------------------------|---------------|
| 11395     | ●          | -                      | 30 - 50                | 300           |
| 15503     | -          | ●                      | -                      | 150           |



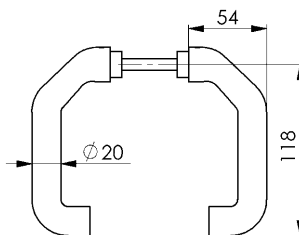
## No. 476

### Lever handles, U-shaped, cranked

11411 Lever handles pair, with lever pin  
15511 Lever handles, single, female  
Light-alloy, silver-coloured (F1), rounded shape, 18 mm guide, 8 mm spindle.



| Order no. | Handle set | Handle, single, female | for case width [mm] | Weight [g] |
|-----------|------------|------------------------|---------------------|------------|
| 11411     | ●          | -                      | 30 - 50             | 300        |
| 15511     | -          | ●                      | -                   | 150        |



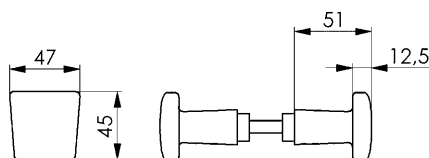
## No. 496

### Door knob pair, straight

15727 Door knob pair, with lever pin  
15826 Door knob handle, single, female  
Light-alloy, silver-coloured (F1), angular shape, 18 mm guide, 8 mm spindle.



| Order no. | Handle set | Handle, single, female | for case width [mm] | Weight [g] |
|-----------|------------|------------------------|---------------------|------------|
| 15727     | ●          | -                      | 30 - 60             | 270        |
| 15826     | -          | ●                      | -                   | 110        |



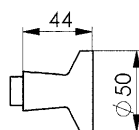
## No. 477L

### Door knob bore set, straight

Light-alloy, silver-coloured (F1), rounded shape, 18 mm guide.



| Order no. | Door knob [mm] | Weight [g] |
|-----------|----------------|------------|
| 15529     | Ø 50           | 95         |



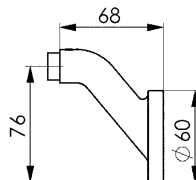
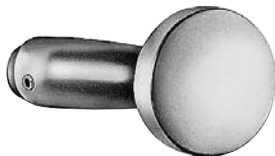


## No. 478L

### Door knob bore set, cranked

Light-alloy, silver-coloured (F1), rounded shape, 18 mm guide.

| Order no. | Door knob<br>[mm] | Weight<br>[g] |
|-----------|-------------------|---------------|
| 15537     | Ø 60              | 165           |

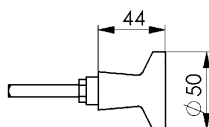


## No. 477W

### Door knob, pivoting

Light-alloy, silver-coloured (F1), rounded shape, 18 mm guide. with rotating short spindle 8x45 mm. Fixed outer knob. For case width 30, 34 and 40 mm.

| Order no. | Door knob<br>[mm] | Weight<br>[g] |
|-----------|-------------------|---------------|
| 15669     | Ø 50              | 140           |

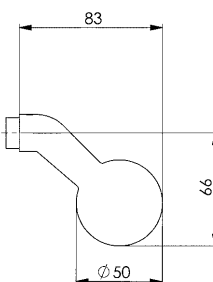


## No. 483L

### Lever handles bore set, cranked

Light-alloy, silver-coloured (F1), rounded shape, 18 mm guide.

| Order no. | Door knob<br>[mm] | Weight<br>[g] |
|-----------|-------------------|---------------|
| 16246     | Ø 50              | 220           |

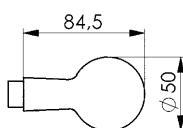


## No. 484L

### Lever handles bore set, straight

Light-alloy, silver-coloured (F1), rounded shape, 18 mm guide.

| Order no. | Door knob<br>[mm] | Weight<br>[g] |
|-----------|-------------------|---------------|
| 16279     | Ø 50              | 210           |



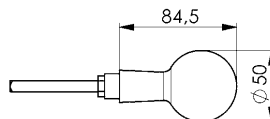
## No. 484W

### Door knob, pivoting

Light-alloy, silver-coloured (F1), rounded shape, 18 mm guide.  
With rotating short spindle 8x60 mm. Fixed outer knob. For case  
width 30-60 mm.



| Order<br>no. | Door knob | Weight |
|--------------|-----------|--------|
|              | [mm]      | [g]    |
| 16287        | Ø 50      | 260    |



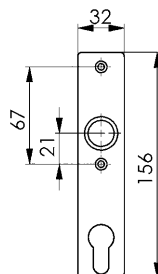
## No. 497Z

### Short cylinder plate

Light-alloy, silver-coloured (F1), angular shape, 18 mm guide.  
Suitable for all cased locks.  
Incl. 2 stainless steel screws.  
Short cylinder plate with 72 mm centres.



| Order<br>no. | Bore for lever actuation | Dimension    | Weight |
|--------------|--------------------------|--------------|--------|
|              |                          | [mm]         | [g]    |
| 16022        | ●                        | 32 x 156 x 7 | 43     |



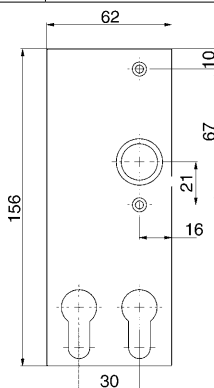
## No. 497DZ

### Short plate for two profile cylinders

Light-alloy, silver-coloured (F1), angular shape, 18 mm guide.  
Suitable for all cased locks with two profile cylinders.  
Incl. 2 stainless steel screws.  
Short cylinder plate with 72 mm centres.  
Both sides usable.



| Order<br>no. | Bore for lever actuation | Dimension    | Weight |
|--------------|--------------------------|--------------|--------|
|              |                          | [mm]         | [g]    |
| 16295        | ●                        | 62 x 156 x 7 | 140    |



## No. 498

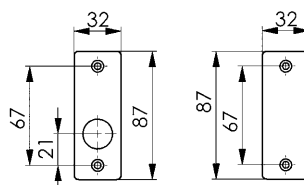
### Handle plate

Light-alloy, silver-coloured (F1), angular shape, 18 mm guide.  
15859 with bore for lever actuation  
15867 blind  
Suitable for all cased locks.  
Incl. 2 stainless steel screws.



15859 15867

| Order<br>no. | Bore for lever actuation | Dimension   | Weight |
|--------------|--------------------------|-------------|--------|
|              |                          | [mm]        | [g]    |
| 15859        | ●                        | 32 x 87 x 7 | 30     |
| 15867        | -                        | 32 x 87 x 7 | 33     |

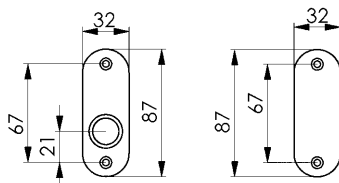


## No. 479

### Handle plate

Light-alloy, silver-coloured (F1), rounded shape, 18 mm guide.  
15545 with bore for lever actuation  
15560 blind  
Suitable for all cased locks.  
2 stainless steel screws.

| Order no. | Bore for lever actuation | Dimension   | Weight |
|-----------|--------------------------|-------------|--------|
|           |                          | [mm]        | [g]    |
| 15545     | ●                        | 32 x 87 x 7 | 30     |
| 15560     | -                        | 32 x 87 x 7 | 40     |

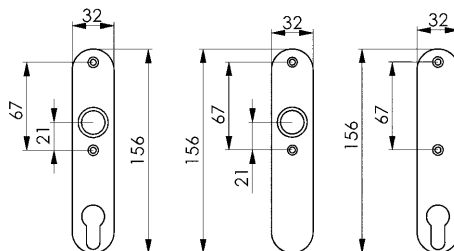


## No. 480

### Short plate

Light-alloy, silver-coloured (F1), rounded shape, 18 mm guide.  
15552 with bore for lever actuation, with profile cylinder recess  
15495 with bore for lever actuation  
15578 with profile cylinder recess  
Suitable for use with all lock cases.  
Incl. 2 stainless steel screws.  
Short cylinder plate with 72 mm spacing.

| Order no. | Bore for lever actuation | PZ piercing | Dimension    | Weight |
|-----------|--------------------------|-------------|--------------|--------|
|           |                          |             | [mm]         | [g]    |
| 15552     | ●                        | ●           | 32 x 156 x 7 | 60     |
| 15495     | ●                        | -           | 32 x 156 x 7 | 75     |
| 15578     | -                        | ●           | 32 x 156 x 7 | 65     |

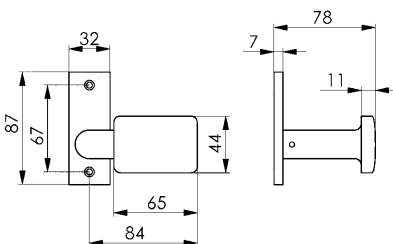


## No. 485

### Door knob, cranked

Light-alloy, silver-coloured (F1). Installed on edged furniture rose.  
15743 rigid installation, can be used on left or right  
15768 rigid installation, rotatable  
Incl. 2 stainless steel screws.

| Order no. | Fixed | Pivoting | Door knob | Rose        | Weight |
|-----------|-------|----------|-----------|-------------|--------|
|           |       |          | [mm]      | [mm]        | [g]    |
| 15743     | ●     | -        | 65 x 44   | 32 x 87 x 7 | 230    |
| 15768     | -     | ●        | 65 x 44   | 32 x 87 x 7 | 230    |

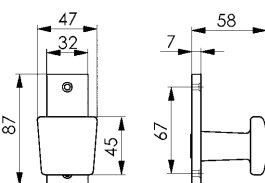


## No. 495

### Door knob, straight

Light-alloy, silver-coloured (F1). Installed on edged furniture rose.  
15800 rigid installation, can be used on left or right  
15842 rigid installation, rotatable  
Incl. 2 stainless steel screws.

| Order no. | Fixed | Pivoting | Door knob | Rose        | Weight |
|-----------|-------|----------|-----------|-------------|--------|
|           |       |          | [mm]      | [mm]        | [g]    |
| 15800     | ●     | -        | 47 x 45   | 32 x 87 x 7 | 180    |
| 15842     | -     | ●        | 47 x 45   | 32 x 87 x 7 | 155    |



Subject to technical alterations.



## No. 486Z

### Door knob, cranked

Light-alloy, silver-coloured (F1). Installed on edged short cylinder plate.

15701 rigid installation, can be used on left or right

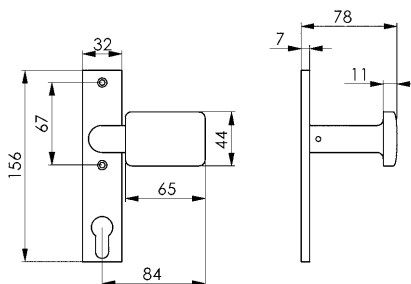
15735 rigid installation, rotatable

Incl. 2 stainless steel screws.

Short plate with 72 mm spacing.



| Order no. | Fixed | Pivoting | Door knob<br>[mm] | Short plate<br>[mm] | Weight<br>[g] |
|-----------|-------|----------|-------------------|---------------------|---------------|
| 15701     | ●     | -        | 65 x 44           | 32 x 156 x 7        | 230           |
| 15735     | -     | ●        | 65 x 44           | 32 x 156 x 7        | 230           |



## No. 495Z

### Door knob, straight

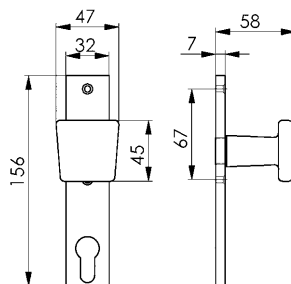
Light-alloy, silver-coloured (F1). Rigid installation on angular short cylinder plate.

Incl. 2 stainless steel screws.

Short cylinder plate with 72 mm centres.



| Order no. | Fixed | Pivoting | Door knob<br>[mm] | Short plate<br>[mm] | Weight<br>[g] |
|-----------|-------|----------|-------------------|---------------------|---------------|
| 16170     | ●     | -        | 47 x 45           | 32 x 156 x 7        | 435           |



## No. 471

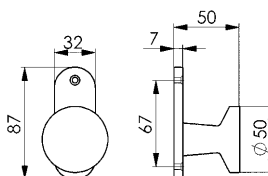
### Door knob, straight

Light-alloy, silver-coloured (F1). Rigid installation on rounded handle plate.

Incl. 2 stainless steel screws.



| Order no. | Fixed | Pivoting | Door knob<br>[mm] | Rose<br>[mm] | Weight<br>[g] |
|-----------|-------|----------|-------------------|--------------|---------------|
| 15586     | ●     | -        | Ø 50              | 32 x 87 x 7  | 140           |



## No. 472Z

### Door knob, straight

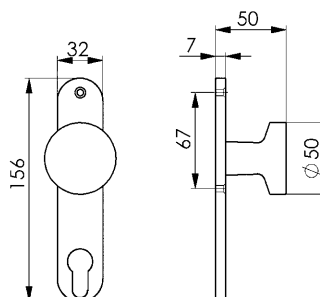
Light-alloy, silver-coloured (F1). Rigid installation on rounded short cylinder plate.

Incl. 2 stainless steel screws.

Short cylinder plate with 72 mm centres.



| Order no. | Fixed | Pivoting | Door knob<br>[mm] | Short plate<br>[mm] | Weight<br>[g] |
|-----------|-------|----------|-------------------|---------------------|---------------|
| 15594     | ●     | -        | Ø 50              | 32 x 156 x 7        | 170           |



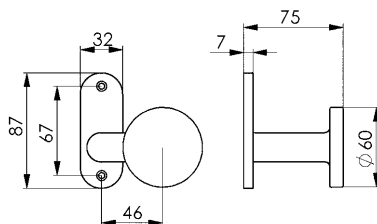
## No. 473

### Door knob, cranked

Light-alloy, silver-coloured (F1). Rigid installation on rounded handle plate. Can be used on left or right.  
Incl. 2 stainless steel screws.



| Order no. | Fixed | Pivoting | Door knob<br>[mm] | Rose<br>[mm] | Weight<br>[g] |
|-----------|-------|----------|-------------------|--------------|---------------|
| 15602     | ●     | -        | Ø 60              | 32 x 87 x 7  | 210           |



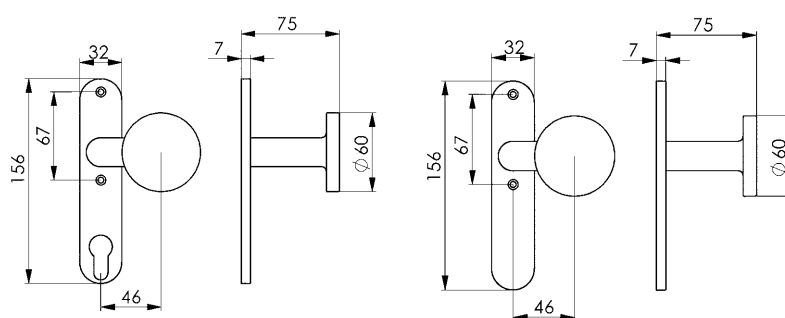
## No. 474Z

### Door knob, cranked

Light-alloy, silver-coloured (F1).  
Rigid installation on rounded short cylinder plate.  
15628 with profile cylinder recess  
15693 without profile cylinder recess  
Convertible right/left.  
Incl. 2 stainless steel screws.  
Short plate with 72 mm spacing.



| Order no. | PZ piercing | Door knob<br>[mm] | Short plate<br>[mm] | Weight<br>[g] |
|-----------|-------------|-------------------|---------------------|---------------|
| 15628     | ●           | Ø 60              | 32 x 156 x 7        | 235           |
| 15693     | -           | Ø 60              | 32 x 156 x 7        | 245           |



15628

15693

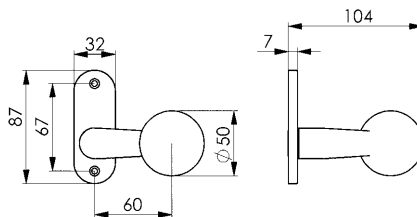
## No. 483

### Door knob, cranked

Light-alloy, silver-coloured (F1). Rigid installation on rounded handle plate. Can be used on left or right.  
Incl. 2 stainless steel screws.



| Order no. | Fixed | Pivoting | Door knob<br>[mm] | Rose<br>[mm] | Weight<br>[g] |
|-----------|-------|----------|-------------------|--------------|---------------|
| 16253     | ●     | -        | Ø 50              | 32 x 87 x 7  | 300           |



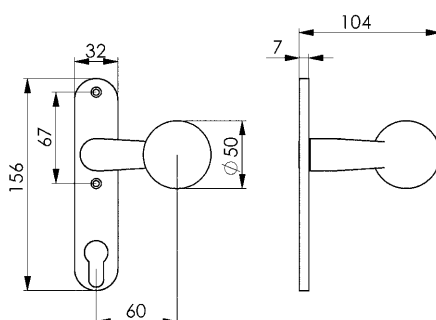
## No. 483Z

### Door knob, cranked

Light-alloy, silver-coloured (F1). Rigid installation on rounded short cylinder plate.  
Can be used on left or right  
Incl. 2 stainless steel screws.  
Short cylinder plate with 72 mm centres.



| Order no. | Fixed | Pivoting | Door knob<br>[mm] | Short plate<br>[mm] | Weight<br>[g] |
|-----------|-------|----------|-------------------|---------------------|---------------|
| 16261     | ●     | -        | Ø 50              | 32 x 156 x 7        | 340           |



Subject to technical alterations.

## No. 460G

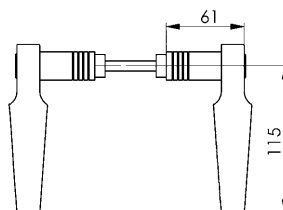
### Lever pair, dovetail-shaped

Wrought iron, zinc-plated, angular shape, 18 mm guide, 8 mm spindle.

With lever pin



| Order no. | Handle set | Handle, single, female | for case width<br>[mm] | Weight<br>[g] |
|-----------|------------|------------------------|------------------------|---------------|
| 15305     | ●          | -                      | 30 - 50                | 775           |



## No. 417GR

### Lever handles, straight

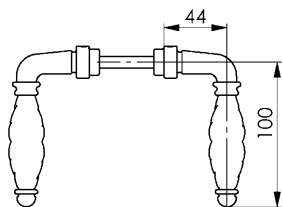
Light-alloy (F1), powder-coated (RAL 9005: Black), rounded shape, 18 mm guide, 8 mm spindle.

With lever pin



| Order no. | Handle set | Handle, single, female | for case width<br>[mm] | Weight<br>[g] |
|-----------|------------|------------------------|------------------------|---------------|
| 15479     | ●          | -                      | 30 - 50                | 310           |

Ex stock subject to being unsold.



## No. 451

### Spindle rose

Forged, hammer-finish, zinc-plated, stove-enamelled black, angular shape, 19 mm guide.

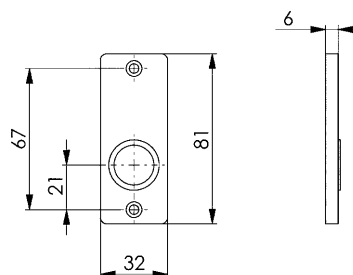
Suitable for all cased locks.

Incl. 2 stainless steel screws.

Bore centres: 67 mm.



| Order no. | Bore for lever actuation | Dimension<br>[mm] | Weight<br>[g] |
|-----------|--------------------------|-------------------|---------------|
| 15263     | ●                        | 32 x 80 x 7       | 100           |



## No. 452

### Door knob, straight

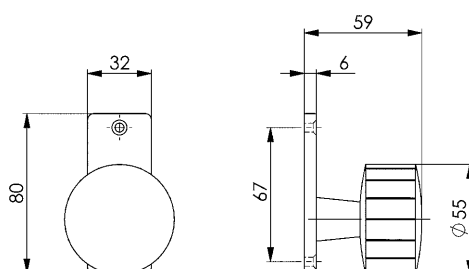
Forged, hammer-finish, zinc-plated, stove-enamelled black. Rigid installation on angular handle plate.

Incl. 2 stainless steel screws.

Bore centres: 67 mm.



| Order no. | Fixed | Pivoting | Door knob<br>[mm] | Rose<br>[mm] | Weight<br>[g] |
|-----------|-------|----------|-------------------|--------------|---------------|
| 15271     | ●     | -        | Ø 55              | 32 x 80 x 7  | 320           |



## No. 453Z

### Short cylinder plate

Forged, hammer-finish, zinc-plated, stove-enamelled black, angular shape, 19 mm guide.

Suitable for all cased locks.

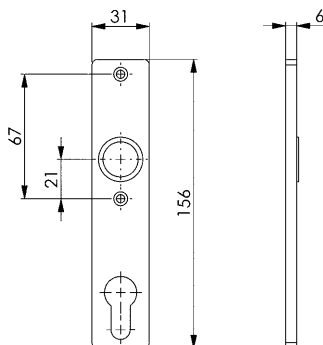
Incl. 2 stainless steel screws.

Short cylinder plate with 72 mm centres.

Bore centres: 67 mm.



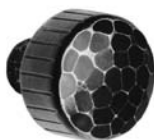
| Order no. | Bore for lever actuation | Dimension    | Weight |
|-----------|--------------------------|--------------|--------|
|           |                          | [mm]         | [g]    |
| 15297     | ●                        | 32 x 156 x 7 | 185    |



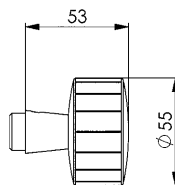
## No. 454

### Door knob, straight

Forged, hammer-finish, zinc-plated, stove-enamelled black, rounded shape, 19 mm guides, 8 mm spindle.



| Order no. | Door knob |  | Weight |
|-----------|-----------|--|--------|
|           | [mm]      |  | [g]    |
| 15362     | Ø 55      |  | 195    |



## No. 455

### Lever handles

15370 Lever handles pair, with lever pin

15404 Lever handles, single, female, points to right

15412 Lever handles, single, female, faces left

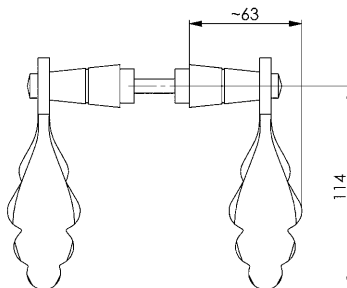
Forged, hammer-finish, zinc-plated, stove-enamelled black, rounded shape, 19 mm guide, 8 mm spindle.

For case width 30-60 mm.



15404

| Order no. | Handle set | Handle, single, female - left | Handle, single, female - right | for case width | Weight |
|-----------|------------|-------------------------------|--------------------------------|----------------|--------|
|           |            |                               |                                | [mm]           | [g]    |
| 15370     | ●          | -                             | -                              | 30 - 60        | 600    |
| 15404     | -          | -                             | ●                              | -              | 275    |
| 15412     | -          | ●                             | -                              | -              | 275    |



## No. 456Z

### Door knob, cranked

Forged, hammer-finish, zinc-plated, stove-enamelled black. Rigid on angular short cylinder plate.

15909 Lever handles faces right

15917 Lever handles faces left

Incl. 2 stainless steel screws.

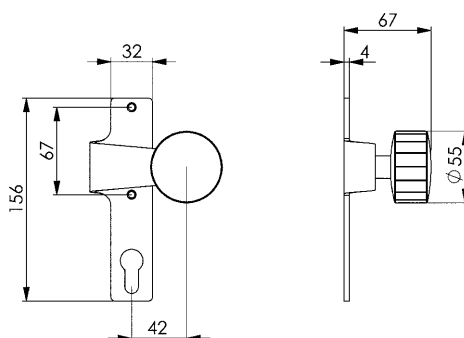
Short cylinder plate with 72 mm centres.

Mounting-holes centres: 67 mm.



15909

| Order no. | Faces left | Faces right | Door knob | Short plate  | Weight |
|-----------|------------|-------------|-----------|--------------|--------|
|           |            |             | [mm]      | [mm]         | [g]    |
| 15909     | -          | ●           | Ø 55      | 32 x 156 x 7 | 360    |
| 15917     | ●          | -           | Ø 55      | 32 x 156 x 7 | 360    |





## No. 490GN

### Door knob pair, with opening resistance

Stainless steel and plastic, rounded shape, 18 mm guide, 8 mm square.

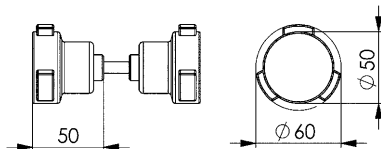
Incl. lever pin.



| Order no.     | Door knob<br>[mm] | for case width<br>[mm] | Weight<br>[g] |
|---------------|-------------------|------------------------|---------------|
| <b>555224</b> | Ø 55              | 30 - 60                | 265           |

#### Note:

While actuating one of the three push-buttons, the lock / spring bolt can be opened by turning the door knob.



## Tube-frame fittings

## No. 405-406

### Door knob, cranked

Tube-frame fitting.

Light-alloy, silver-coloured (F1). Installed on edged furniture rose.

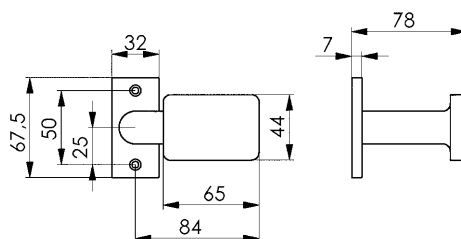
17517 rigid installation, rotatable

17525 rigid installation, can be used on left or right

Incl. 2 stainless steel screws.



| Order no.    | Fixed | Pivoting | Door knob<br>[mm] | Rose<br>[mm] | Weight<br>[g] |
|--------------|-------|----------|-------------------|--------------|---------------|
| <b>17517</b> | -     | ●        | 65 x 44           | 32 x 67,5    | 193           |
| <b>17525</b> | ●     | -        | 65 x 44           | 32 x 67,5    | 193           |



## No. 407

### Lever handles, cranked

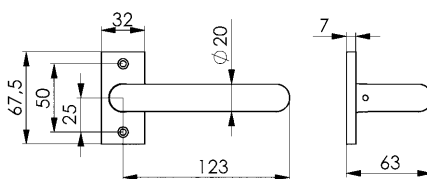
Tube-frame fitting.

Light-alloy, silver-coloured (F1). Pivoting installation on angular handle plate.

Incl. 2 stainless steel screws.



| Order no.    | Fixed | Pivoting | Rose<br>[mm] | Weight<br>[g] |
|--------------|-------|----------|--------------|---------------|
| <b>17533</b> | -     | ●        | 32 x 67,5    | 193           |



## No. 408

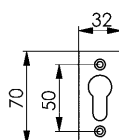
### Cylinder rose

Tube-frame fitting.

Light-alloy, silver-coloured (F1). For screwing on. Protects the cylinder against twisting.



| Order no.    | Dimension<br>[mm] | Weight<br>[g] |
|--------------|-------------------|---------------|
| <b>17541</b> | 32 x 70 x 8       | 14            |



## No. 142U-F35

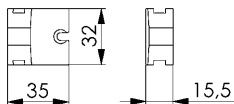
### Spring bolt head extension



| Order no. | fits       | projection<br>[mm] | Weight<br>[g] |
|-----------|------------|--------------------|---------------|
| 122291    | 140U, 142U | 8                  | 67            |

#### Note:

The spring bolt serves to compensate when there is a large distance to the striking plate.

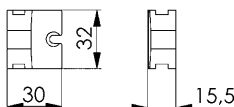


## No. 142UM-F30

### Spring bolt head, brass



| Order no. | fits       | projection<br>[mm] | Weight<br>[g] |
|-----------|------------|--------------------|---------------|
| 150862    | 140U, 142U | 3                  | 50            |



## No. 142U-FF30

### Latch head, plastic

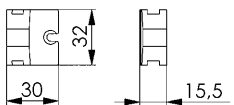
Colour: black



| Order no. | fits       | projection<br>[mm] | Weight<br>[g] |
|-----------|------------|--------------------|---------------|
| 564438    | 140U, 142U | 3                  | 10            |

#### Note:

The latch head helps to suppress noise during the closing process.



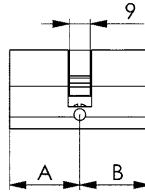
## No. 55

### Double profile cylinder

Brass, nickel-plated, each with 3 keys and mounting screw 70 mm.



| Order no. | A<br>[mm] | B<br>[mm] | Weight<br>[g] |
|-----------|-----------|-----------|---------------|
| 15446     | 30        | 30        | 205           |
| 16394     | 22        | 22        | 170           |



## No. 55D

### Triangular half-cylinder

including fastening bolt 70 mm.

16667: with 8 mm triangular

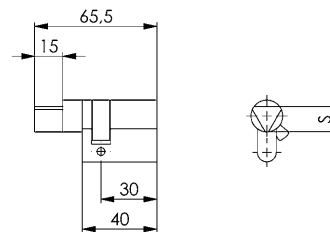
11056: with 15 mm triangular



| Order no. | S<br>[mm] | Weight<br>[g] |
|-----------|-----------|---------------|
| 16667     | 8         | 240           |
| 11056     | 15        | 270           |

### Note:

The suitable socket spanner DIN 22417A can be found in the AMF catalogue „Hand Tools“ or you can order it directly using the order no. 44362 (suitable for 16667) or order no. 44396 (suitable for 11056).



## No. 457D

### Triangular, one working face

1: Short version, 8 mm triangular with washer and mounting screw M5.

2: Long version, 8 mm triangular.

3: Short version, 15 mm triangular with washer and mounting screw M5.

4: Long version, 15 mm triangular.



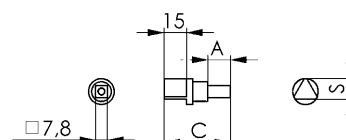
| Order no. | Design | A<br>[mm] | C<br>[mm] | S<br>[mm] | Weight<br>[g] |
|-----------|--------|-----------|-----------|-----------|---------------|
| 16584     | 1      | 15        | 44        | 8         | 40            |
| 16618     | 2      | 45        | 74        | 8         | 55            |
| 11080     | 3      | 15        | 44        | 15        | 45            |
| 16634     | 4      | 45        | 74        | 15        | 60            |

### Application:

Long version for fastening a fixture to the inside.

### Note:

Suitable DIN 22417A socket spanners can be found in the AMF „Hand tools“ catalogue.



## No. 51

### Bit-key adapter set

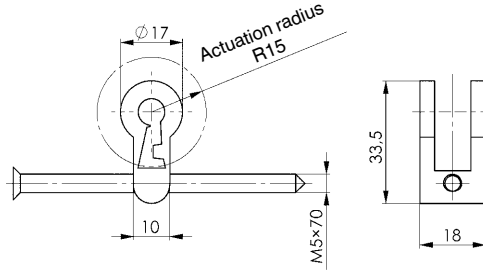
For all case locks and tube-frame locks pierced for profile cylinder.

Scope of supply:

- 1 bit-key insert (die-cast zinc)
- 1 fore-end bolt
- 2 keys no. 50



| Order no. | Profile no. | Weight [g] |
|-----------|-------------|------------|
| 315366    | 1           | 65         |
| 319079    | 2           | 65         |
| 319095    | 3           | 65         |
| 319111    | 4           | 65         |
| 319129    | 5           | 65         |
| 319145    | 6           | 65         |
| 319160    | 7           | 65         |
| 319186    | 8           | 65         |
| 319202    | 9           | 65         |
| 319228    | 10          | 65         |



## No. 52

### Bit-key adapter set

For all case locks and tube-frame locks pierced for profile cylinder.

Scope of supply:

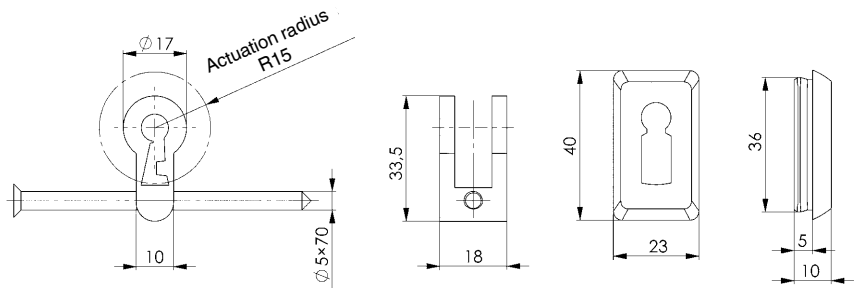
- 1 bit-key insert (die-cast zinc)
- 1 fore-end bolt
- 2 keys no. 50
- 1 pair bit-key roses, plastic, black (No. 493)



| Order no. | Profile no. | Weight [g] |
|-----------|-------------|------------|
| 315382    | 1           | 73         |
| 319244    | 2           | 73         |
| 319269    | 3           | 73         |
| 319285    | 4           | 73         |
| 319301    | 5           | 73         |
| 319327    | 6           | 73         |
| 319343    | 7           | 73         |
| 319368    | 8           | 73         |
| 319384    | 9           | 73         |
| 319400    | 10          | 73         |

### Note:

Fits all cased locks and locks for tubular frames with profile-cylinder piercing. Example of order for a particular key profile: No. 51-... or 52-... (key profile no. 1-10 of article no. 50).



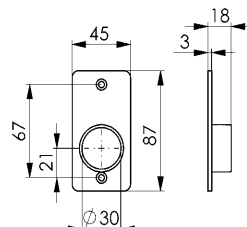
## No. 426M

### Triangular rose, V2A

for lever.



| Order no. | Dimension [mm] | Weight [g] |
|-----------|----------------|------------|
| 11072     | 87x45x18       | 110        |



Subject to technical alterations.



## No. 457

### Short spindle, grooved

Zinc-plated.



| Order no. | Dimension<br>[mm] | for case width<br>[mm] | Weight<br>[g] |
|-----------|-------------------|------------------------|---------------|
| 178657    | 8x44              | 30*, 34, 40            | 21            |
| 178640    | 8x52              | 40, 50                 | 27            |
| 178608    | 8x60              | 50, 60                 | 30            |

\*pin to be shortened by 5 mm!

## No. 457NI

### Short spindle, grooved, V2A



| Order no. | Dimension<br>[mm] | for case width<br>[mm] | Weight<br>[g] |
|-----------|-------------------|------------------------|---------------|
| 16386     | 8x44              | 30*, 34, 40            | 21            |
| 16402     | 8x52              | 40, 50                 | 27            |
| 16428     | 8x60              | 50, 60                 | 30            |

\*pin to be shortened by 5 mm!

## No. 481

### Lever spindle, grooved

Zinc-plated.



| Order no. | Dimension<br>[mm] | for case width<br>[mm] | Weight<br>[g] |
|-----------|-------------------|------------------------|---------------|
| 15685     | 8x80              | 30, 34, 40             | 35            |
| 15677     | 8x100             | 50, 60                 | 45            |

## No. 481NI

### Lever spindle, grooved, V2A

stainless steel.



| Order no. | Dimension<br>[mm] | for case width<br>[mm] | Weight<br>[g] |
|-----------|-------------------|------------------------|---------------|
| 16113     | 8x80              | 30, 34, 40             | 35            |
| 16139     | 8x100             | 50, 60                 | 45            |

## No. 494

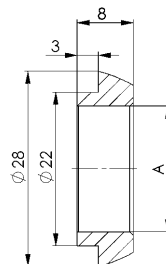
### Lever rose (pair)

Plastic.

15875 - grey  
15818 - black  
15784 - anthracite



| Order no. | A  | Weight<br>[g] |
|-----------|----|---------------|
| 15875     | 16 | 5             |
| 15818     | 18 | 5             |
| 15784     | 19 | 5             |



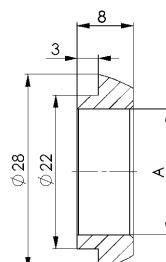
## No. 494

### Lever rose (set)

Comprising: 1 pair lever roses, 4 screws, high-grade stainless steel.



| Order no. | A  | Weight<br>[g] |
|-----------|----|---------------|
| 154302    | 18 | 11            |



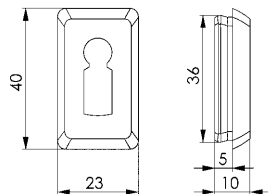
## No. 493

### Bit-key rose pair

plastic, black.



| Order no. | Dimension    | Weight |
|-----------|--------------|--------|
|           | [mm]         |        |
| 15792     | 40 x 23 x 10 | 4      |



## No. 446

### Security rose set

Zinc-plated. For screwing on.

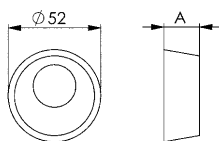
Stops the profile cylinder twisting, incl. cylinder-draw protection and lock drilling prevention.

Components:

- 1 outer rose and 1 concealed rose
- 1 boring steel plate
- 2 fastening bolts



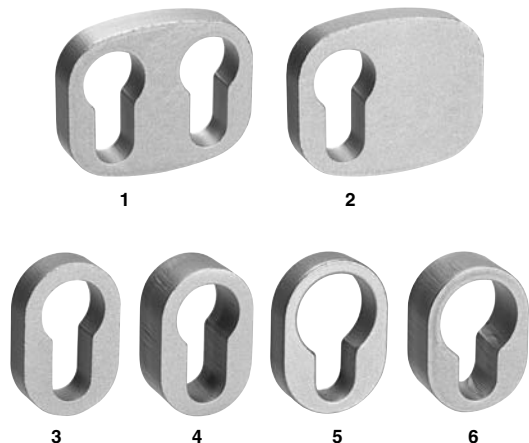
| Order no. | for cylinder projection | A    | Weight |
|-----------|-------------------------|------|--------|
|           | [mm]                    | [mm] |        |
| 15040     | 10                      | 15   | 175    |
| 15065     | 15                      | 20   | 200    |



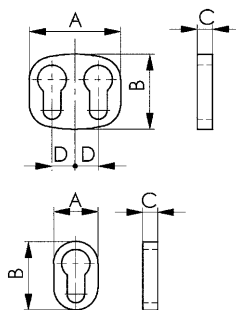
## No. 445

### Security rose

steel, bare-metal. For welding. Protects the cylinder against twisting. Suitable for all AMF-lock cases.



| Order no. | Design | A    | B    | C    | D    | Weight |
|-----------|--------|------|------|------|------|--------|
|           |        | [mm] | [mm] | [mm] | [mm] |        |
| 10728     | 1      | 59   | 48,5 | 10   | 15   | 126    |
| 10611     | 2      | 59   | 48,5 | 10   | 15   | 165    |
| 10710     | 3      | 29   | 45,0 | 10   | -    | 52     |
| 10769     | 4      | 29   | 45,0 | 15   | -    | 77     |
| 10777     | 5      | 29   | 45,0 | 10   | -    | 48     |
| 10785     | 6      | 29   | 45,0 | 15   | -    | 70     |



## No. 450/447

### Protective rose set

Case-hardened steel.

Protects the cylinder against twisting.

1: Stove enamelled, hammer-finish

2: Chrome-plated.

Comprising:

- 1 outer rose and 1 inner rose
- 2 mounting screws



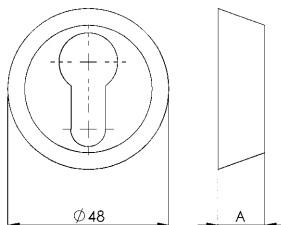
| Order no. | Design | A    | Weight |
|-----------|--------|------|--------|
|           |        | [mm] |        |
| 15149     | 1      | 15   | 200    |
| 15164     | 1      | 10   | 175    |
| 15081     | 2      | 15   | 200    |
| 15107     | 2      | 10   | 175    |

### Application:

Suitable for cased locks no. 140U, 140S and 140P.

### Note:

To protect doors that are not exposed to view.







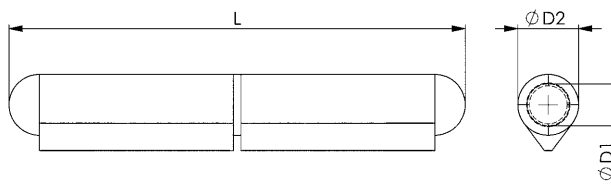


## No. 149B

### Lift off hinge

made of steel, disc and pin of brass.  
For welding on.

| Order no. | L   | dia. D1 | dia. D2 | Weight [g] |
|-----------|-----|---------|---------|------------|
| 553118    | 120 | 10      | 16      | 200        |

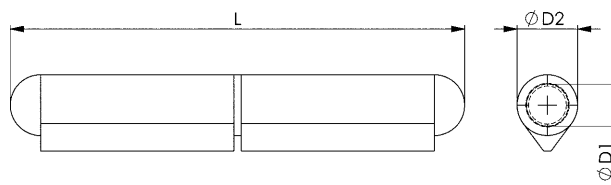


## No. 149BNI

### Lift off hinge

stainless steel, disc made of brass.  
For welding on.

| Order no. | L   | dia. D1 | dia. D2 | Weight [g] |
|-----------|-----|---------|---------|------------|
| 553119    | 120 | 11      | 16      | 200        |





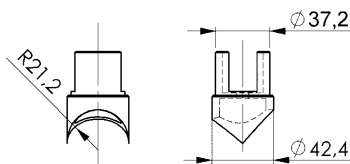
## No. 140CNIG-A42

### Mounting lugs (pair), V2A

Suitable for lock case no. 140CNIG and striking box no. 144CNIG, stainless steel, polished.



| Order no. | For tubes with outside diameter | Weight |
|-----------|---------------------------------|--------|
|           | [mm]                            | [g]    |
| 14555     | 42,4                            | 465    |



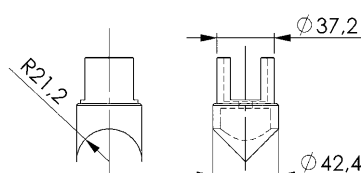
## No. 140ENIG-A42

### Mounting lugs (pair), V2A

Suitable for lock case no. 141ENIG and striking box no. 146ENIG, stainless steel, polished.



| Order no. | For tubes with outside diameter | Weight |
|-----------|---------------------------------|--------|
|           | [mm]                            | [g]    |
| 14563     | 42,4                            | 570    |



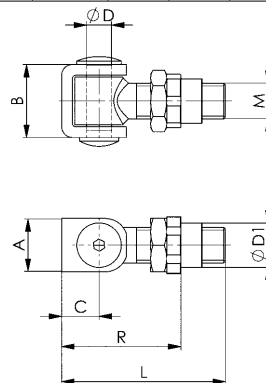
## No. 149T

### Door hinge, short

from steel, partially zinc-plated. For welding to weld-on nut and U-bar.



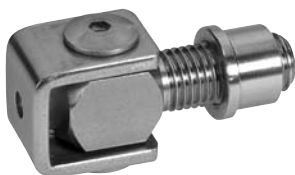
| Order no. | Size | A  | B  | C  | dia. D | dia. D1 | L   | M   | R     | Weight [g] |
|-----------|------|----|----|----|--------|---------|-----|-----|-------|------------|
| 11403     | M16  | 27 | 35 | 21 | 12     | 21      | 79  | M16 | 52-68 | 294        |
| 11429     | M20  | 30 | 41 | 21 | 14     | 25      | 92  | M20 | 57-79 | 472        |
| 11445     | M24  | 35 | 47 | 25 | 17     | 30      | 106 | M24 | 66-80 | 727        |



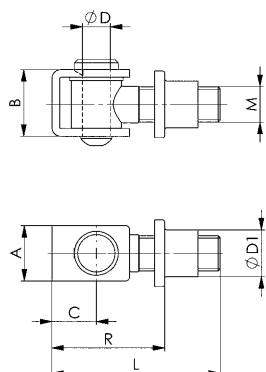
## No. 149ANI

### Door hinges, V2A

stainless steel. For welding to weld-on nut and U-bar.



| Order no. | Size | A  | B  | C  | dia. D | dia. D1 | L     | M   | R       | Weight [g] |
|-----------|------|----|----|----|--------|---------|-------|-----|---------|------------|
| 559892    | M12  | 25 | 26 | 20 | 11,3   | 16,7    | 65,1  | M12 | 40 - 53 | 161        |
| 559894    | M16  | 25 | 30 | 20 | 12,6   | 21,0    | 75,8  | M16 | 44 - 60 | 258        |
| 10793     | M20  | 30 | 37 | 25 | 14,0   | 24,0    | 85,0  | M20 | 50 - 70 | 480        |
| 559895    | M24  | 35 | 49 | 27 | 20,0   | 28,0    | 105,0 | M24 | 59 - 84 | 812        |



Subject to technical alterations.

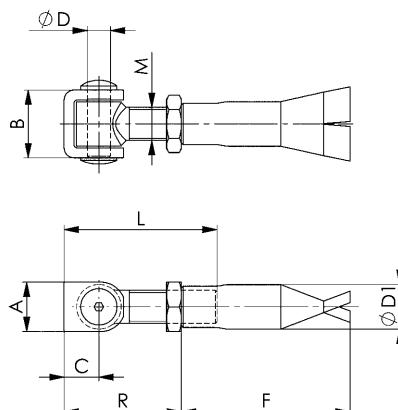
## No. 149TM

### Door hinge with wall case

from steel, partially zinc-plated. For welding to U-bar, with wall sleeve.



| Order no. | Size | A  | B  | C  | dia. D | dia. D1 | F   | L   | M   | R     | Weight [g] |
|-----------|------|----|----|----|--------|---------|-----|-----|-----|-------|------------|
| 11452     | M20  | 30 | 41 | 21 | 14     | 27      | 102 | 92  | M20 | 48-71 | 549        |
| 11460     | M24  | 35 | 48 | 25 | 17     | 34      | 117 | 105 | M24 | 58-85 | 815        |



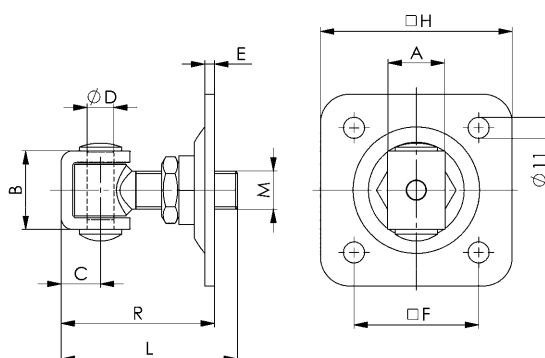
## No. 149TD

### Door hinge with dowel plate

from steel, partially zinc-plated. For welding to U-bar, with dowel plate.



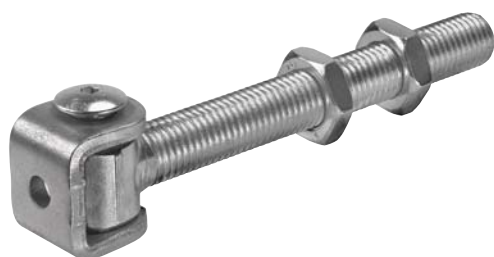
| Order no. | Size | A  | B  | C  | dia. D | E | F     | H       | L   | M   | R      | Weight [g] |
|-----------|------|----|----|----|--------|---|-------|---------|-----|-----|--------|------------|
| 11478     | M20  | 30 | 41 | 21 | 14     | 5 | 65x65 | 100x100 | 92  | M20 | 68-91  | 875        |
| 11486     | M24  | 35 | 48 | 25 | 17     | 5 | 65x65 | 100x100 | 107 | M24 | 77-105 | 1380       |



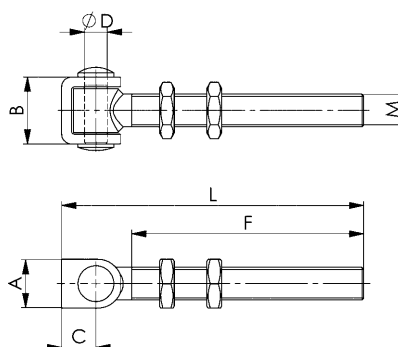
## No. 149TL

### Door hinge, long

from steel, partially zinc-plated. For welding to U-bar, with long thread for through-hole installation.



| Order no. | Size | A  | B    | C  | dia. D | F   | L   | M   | Weight [g] |
|-----------|------|----|------|----|--------|-----|-----|-----|------------|
| 11494     | M20  | 30 | 41,0 | 21 | 14     | 144 | 184 | M20 | 650        |
| 11502     | M24  | 35 | 47,5 | 25 | 17     | 144 | 190 | M24 | 972        |



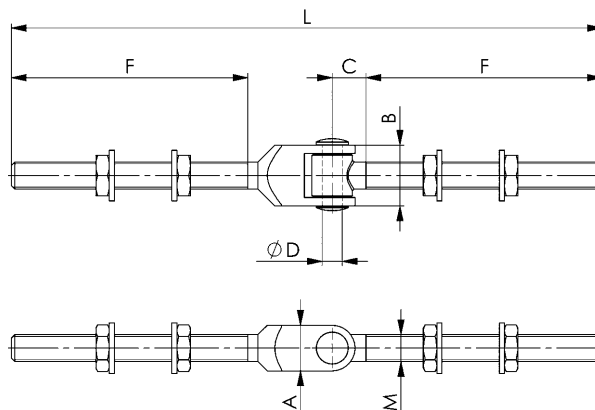
## No. 149TS

### Door hinge, screw-on

Stainless steel, for screw fastening from both sides.



| Order no. | Size | A  | B  | C  | dia. D | F   | L   | M   | Weight [g] |
|-----------|------|----|----|----|--------|-----|-----|-----|------------|
| 551662    | M16  | 27 | 36 | 20 | 12     | 140 | 350 | M16 | 910        |
| 551663    | M20  | 30 | 42 | 20 | 14     | 180 | 410 | M20 | 1570       |



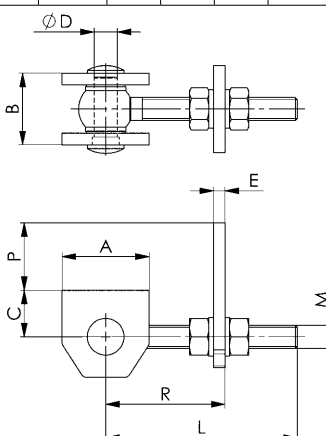
## No. 149TV

### Door hinge, adjustable

from steel, partially zinc-plated. For welding to weld-on tabs and U-bar.



| Order no. | Size | A  | B  | C  | dia. D | E  | L   | M   | P      | R      | Weight [g] |
|-----------|------|----|----|----|--------|----|-----|-----|--------|--------|------------|
| 11510     | M12  | 45 | 37 | 24 | 12     | 6  | 100 | M12 | 23-36  | 43-87  | 501        |
| 11528     | M16  | 45 | 43 | 27 | 14     | 8  | 118 | M16 | 78-103 | 48-102 | 795        |
| 11536     | M20  | 70 | 49 | 35 | 17     | 8  | 166 | M20 | 37-62  | 64-147 | 1494       |
| 11544     | M24  | 70 | 51 | 35 | 17     | 12 | 168 | M24 | 53-75  | 72-144 | 2266       |



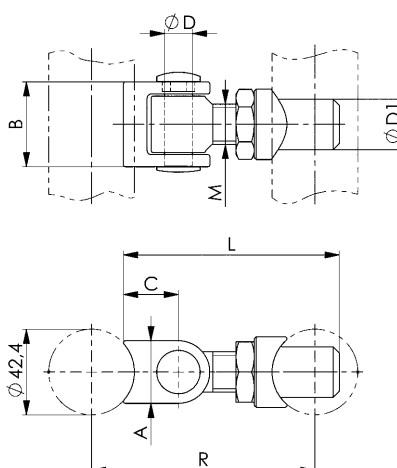
## No. 149TRA

### Door hinge for round tubular profile

non-rusting steel, for welding on both sides.  
Suitable for pipe profile with 42.4 mm.



| Order no. | Size | A  | B  | C  | dia. D | dia. D1 | L      | M   | R       | Weight [g] |
|-----------|------|----|----|----|--------|---------|--------|-----|---------|------------|
| 557052    | M20  | 31 | 42 | 27 | 14     | 25      | 95-105 | M20 | 100-110 | 580        |



## No. 150N

### Door closer

Aluminium matt, black phosphated.

Adjustable closing and end stop speed with stop at 0° and +/- 90°.

The gate leaf locks at +/- 90° as well as at 0°. The contact can also

be used for swinging gates. The prerequisite is that no back rabbet

is installed. In the case of a self-locking mechanism, the gate is

activated manually. Automatic closing starts at 70 - 80°.

Suitable for gates up to 80 kg gate weight at 1 m wing width.

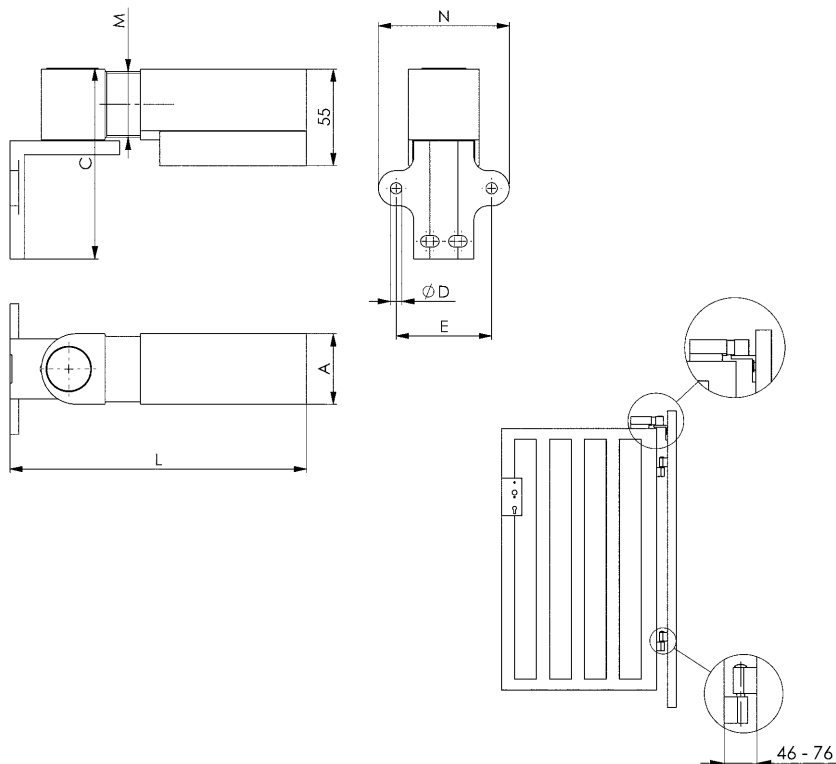
Corridor side and offset installation possible.

Suitable for square profile.

Closing function: DIN right/DIN left can be used.



| Order no. | A  | B  | C   | dia. D | E  | L       | M       | N  | Weight [g] |
|-----------|----|----|-----|--------|----|---------|---------|----|------------|
| 11601     | 40 | 55 | 108 | 6,5    | 54 | 143-232 | M37x1,5 | 74 | 1050       |



## No. 149ST

### Self-closing door hinge

Aluminium matt, black phosphated.

Door hinge with door closing function, adjustable closing and

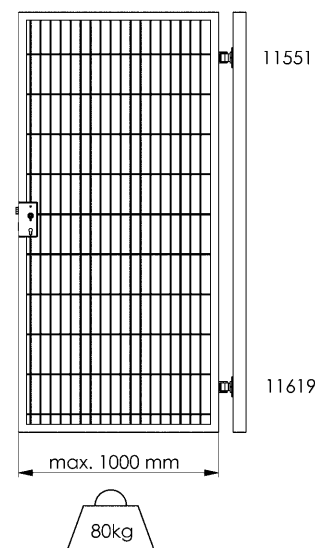
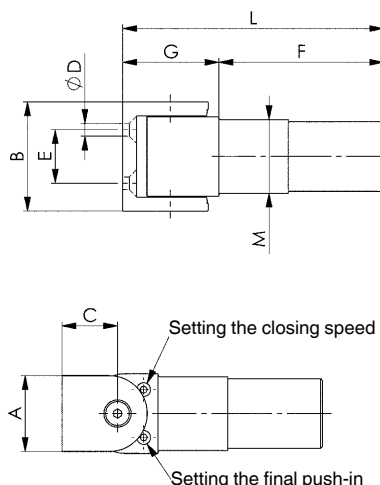
end stop speed with stop at 0° and +/- 90°.

Suitable for doors up to 80 kg door weight at 1 m wing width.

Closing function: Can be used to DIN right/DIN left.



| Order no. | A  | B  | C  | dia. D | E  | F  | G    | L     | M       | Weight [g] |
|-----------|----|----|----|--------|----|----|------|-------|---------|------------|
| 11551     | 38 | 55 | 28 | 6,5    | 27 | 83 | 48,5 | 131,5 | M37x1,5 | 730        |



Subject to technical alterations.



## No. 149STD

### Self-closing door hinge, dummy

Aluminium matt, black phosphated.

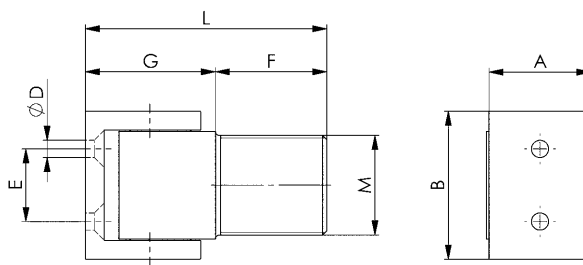
Door hinge suitable for self-closing door hinge no. 149ST.

Suitable for doors up to 80 kg door weight at 1 m wing width.

Can be used to DIN right/DIN left.



| Order no. | A  | B  | C  | dia. D | E  | F    | G    | L  | M       | Weight [g] |
|-----------|----|----|----|--------|----|------|------|----|---------|------------|
| 11619     | 38 | 55 | 28 | 6,5    | 27 | 41,5 | 48,5 | 90 | M37x1,5 | 410        |



## No. 149STP

### Screw-on plate

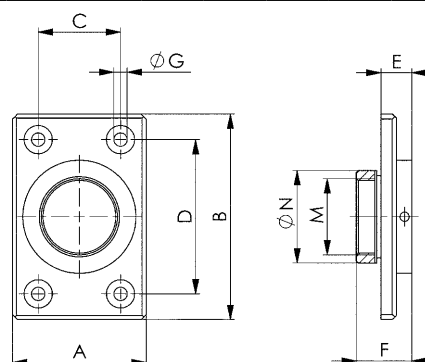
Aluminium matt, black phosphated.

For installation of door hinges 149ST and 149STD.

Can be painted and varnished. Dimensions: 65 x 100 mm.



| Order no. | A  | B   | C  | D  | E  | F  | dia. G | M       | dia. N | Weight [g] |
|-----------|----|-----|----|----|----|----|--------|---------|--------|------------|
| 11627     | 65 | 100 | 40 | 75 | 15 | 27 | 6,5    | M37x1,5 | 45     | 150        |









## No. 8410

### Heavy tube-frame deadlock

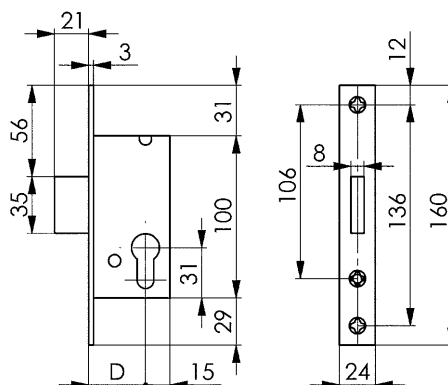
Bolt protected against sawing.  
all parts fully zinc plated. Can be used on left or right.  
Choice of closure PZ or B (with adapter set).  
- rotation 1 turn  
- bolt projection 20 mm



| Order no. | Closure | D    | Weight |
|-----------|---------|------|--------|
|           |         | [mm] | [g]    |
| 564171    | PZ      | 22   | 240    |
| 564172    | PZ      | 25   | 300    |
| 564173    | PZ      | 30   | 300    |
| 564174    | PZ      | 35   | 340    |
| 564175    | PZ      | 40   | 340    |
| 564176    | PZ      | 45   | 360    |

### On request:

Bolt projection of 5 mm available.



### Recommendations



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page 21



No. 408,  
page 65

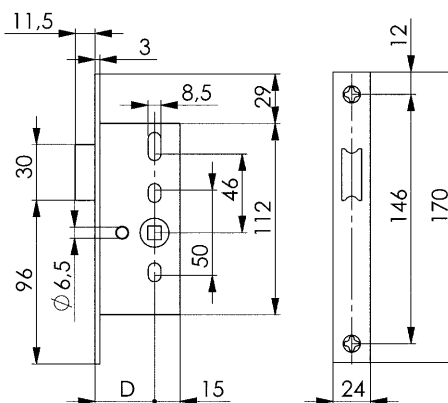
## No. 3412

### Heavy tube-frame latch

all parts fully zinc-plated. Can be used for left or right closing by turning the spring bolt.  
- follower 8 mm



| Order no. | D    | Weight |
|-----------|------|--------|
|           | [mm] | [g]    |
| 564165    | 22   | 270    |
| 564166    | 25   | 280    |
| 564167    | 30   | 300    |
| 564168    | 35   | 310    |
| 564169    | 40   | 330    |
| 564170    | 45   | 350    |



### Recommendations



No. 143U,  
page 21



No. 407,  
page 65

## No. 8405

### Heavy tube-frame catch-deadlock

all parts fully zinc-plated. Can be used for left or right closing by turning the spring bolt. Choice of closure PZ or B (with adapter set). Night latch function.

- centres 92 mm
- follower 8 mm
- rotation 1-turn
- bolt projection 14 mm



#### Recommendations



No. 143U,  
page 21



No. 407,  
page 65



No. 55,  
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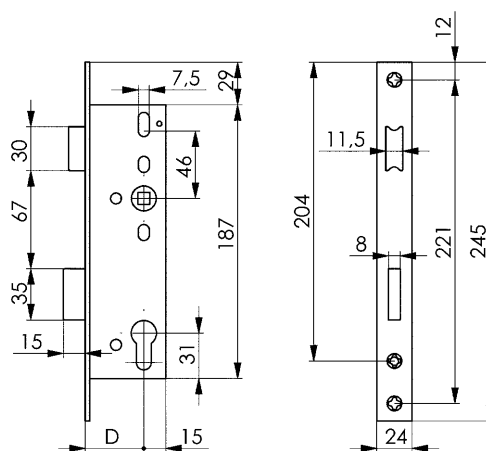
| Order no. | Closure | D    | Weight |
|-----------|---------|------|--------|
|           |         | [mm] | [g]    |
| 564158    | PZW     | 22   | 480    |
| 564159    | PZW     | 25   | 440    |
| 564160    | PZW     | 30   | 480    |
| 564161    | PZW     | 35   | 520    |
| 564162    | PZW     | 40   | 540    |
| 564163    | PZW     | 45   | 580    |
| 564164    | PZW     | 50   | 620    |

#### Note:

The version with 24 mm fore-end in backsets 25, 30, 35, 40, 45 and 50 mm is suitable for use in smoke control doors.

#### On request:

Spring bolt and bolt projection of 5 mm available.



## No. 8420D

### Heavy tube-frame catch-deadlock for two profile cylinders

all parts fully zinc-plated. Choice of closure PZ or B (with adapter set). Night latch function.

- centres 60 and 108 mm
- follower 8 mm
- rotation 1-turn
- bolt projection 13 mm



#### Recommendations



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page 26



No. 407,  
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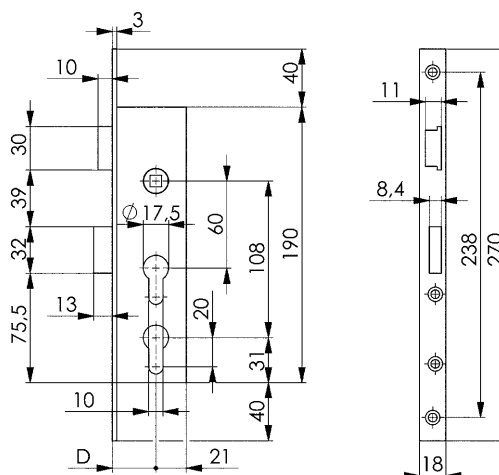
No. 55,  
page 66

| Order no. | Closure | Door direction | D    | Weight |
|-----------|---------|----------------|------|--------|
|           |         |                | [mm] | [g]    |
| 16378     | PZW     | DIN R          | 30   | 525    |
| 16543     | PZW     | DIN L          | 30   | 525    |

R = right, L = left

#### Application:

The practical solution when two people (or groups of people) require independent access: for example fire-brigade approaches or waste-container enclosures. The cased lock with two profile cylinders permits access for the fire brigade or disposal companies via general key, and can also be integrated into the normal master-key system.



Subject to technical alterations.



## No. 8331

### Tube-frame sliding-door lock

all parts fully zinc-plated.

Choice of closure PZ or B (with adapter set). Night latch function.

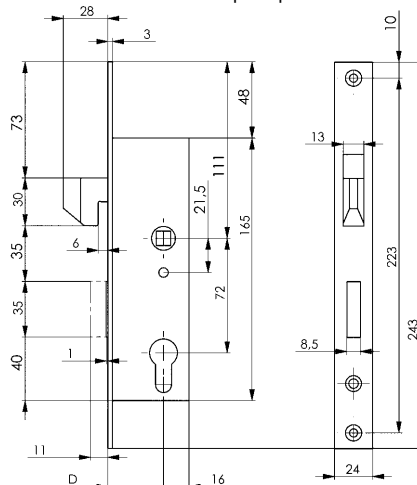
- centres 72 mm
- follower 8 mm
- rotation 1 turn



| Order no. | Closure | D    | Weight |
|-----------|---------|------|--------|
|           |         | [mm] | [g]    |
| 17293     | PZW     | 35   | 730    |
| 17319     | PZW     | 40   | 790    |

#### Note:

The additional deadbolt option prevents the door being levered out.



#### Recommendations



No. 142S,  
page 40



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page 65

## No. 8331S

### Sliding gate striking plate, V2A

stainless steel.

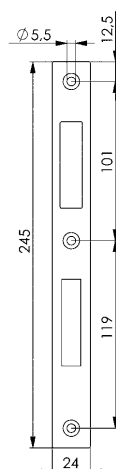
Accessory: 2 stainless steel screws M5x10 mm.



| Order no. | Material thickness | Weight |
|-----------|--------------------|--------|
|           | [mm]               | [g]    |
| 17301     | 3,0                | 100    |

#### Application:

Suitable for tubular frame closing gate lock 8331.



## No. 4308

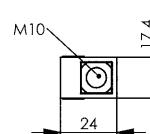
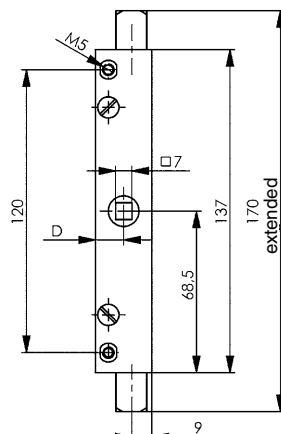
### Tube-frame bolt drive

Zinc-plated.

- backset 12 mm
- follower 7 mm
- lift 13 mm



| Order no. | D    | Case depth | Weight |
|-----------|------|------------|--------|
|           | [mm] | [mm]       | [g]    |
| 17236     | 12   | 24         | 280    |



Subject to technical alterations.

## No. 104

### Wrought-iron gate deadlock with channel fore-end

all parts fully zinc-plated. Can be used on left or right.  
Steel bolt. Choice of closure PZ or RZ.

- backset 50 mm
- rotation 2 turns



#### Recommendations



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page 66

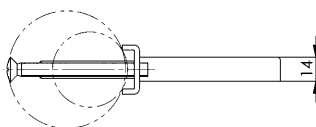
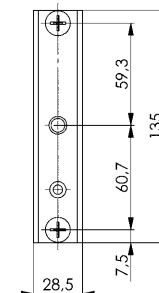
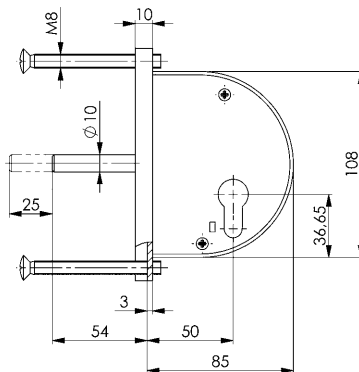
| Order no. | Closure | Backset<br>[mm] | Case depth<br>[mm] | Weight<br>[g] |
|-----------|---------|-----------------|--------------------|---------------|
| 12179     | PZ      | 50              | 85                 | 550           |
| 12195     | RZ      | 50              | 85                 | 550           |

#### Note:

Lock no. 104 with PZ closure can be retrofitted with the bit-key adapter set no. 51 (to be ordered separately).

The fore-end bolt must then be shortened to 65 mm!

For bolt-mounting to tubes with 27 - 50 mm outer diameter (3/4" - 1 1/2" threads) and spindle-section profiles or angular brackets. Minimum contact width for lock is 30 mm.



## No. 107

### Medium-weight wrought-iron gate lock with channel fore-end

all parts fully zinc-plated. Can be used on left or right.  
Die-cast-zinc spring bolt, steel bolt.

Choice of closure PZ or RZ. Night latch function.

Accessory: 2 handle plates 18 mm

- backset 50 mm
- rotation 2 turns
- follower 8 mm
- centres PZ 63.2 mm
- centres RZ 65.2 mm



#### Recommendations



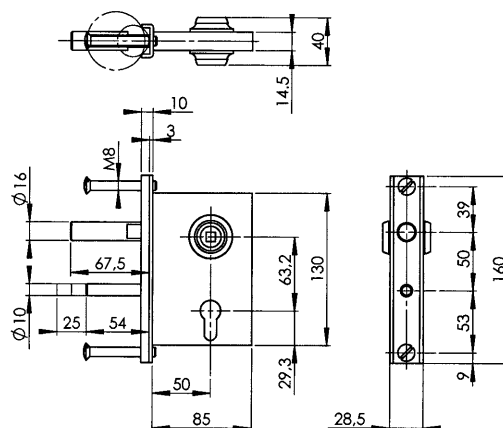
No. 418,  
page 56

| Order no. | Closure | Backset<br>[mm] | Case depth<br>[mm] | Weight<br>[g] |
|-----------|---------|-----------------|--------------------|---------------|
| 12435     | PZW     | 50              | 85                 | 970           |
| 12450     | RZW     | 50              | 85                 | 920           |

#### Note:

Lock no. 107 with PZ closure can be retrofitted with the bit-key adapter set no. 51 (to be ordered separately).

For bolt-mounting to tubes with 27 - 50 mm outer diameter (3/4" - 1 1/2" threads) and spindle-section profiles or angular brackets. Minimum contact width for lock is 30 mm.



## No. 2

### Heavy rim lock, inward opening

All parts fully zinc-plated, with spring bolt. Spring bolt cannot be turned. Closure: PZW. Night latch function.

Accessory: Striking box.

- backset 60 mm
- rotation 2 turns
- follower 8 mm
- centres 55.3 mm
- offset 17.5 mm

| Order no. | Closure | Door direction | Backset [mm] | Case depth [mm] | Weight [g] |
|-----------|---------|----------------|--------------|-----------------|------------|
| 10140     | PZW     | DIN L          | 60           | 100             | 1250       |
| 10157     | PZW     | DIN R          | 60           | 100             | 1250       |

R = right, L = left



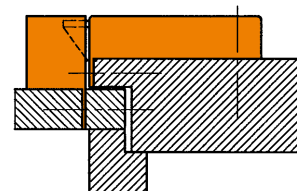
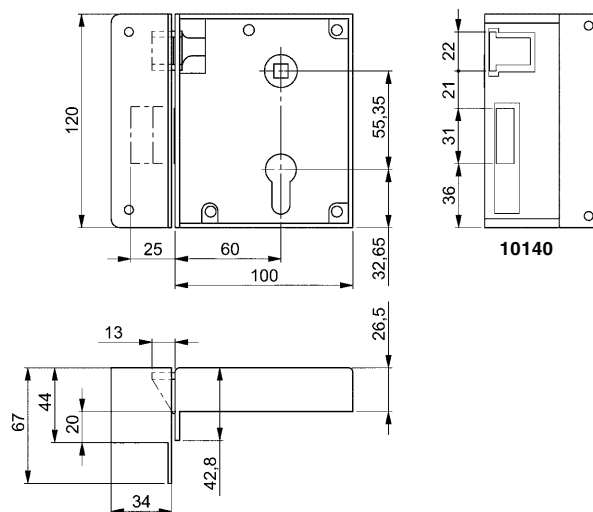
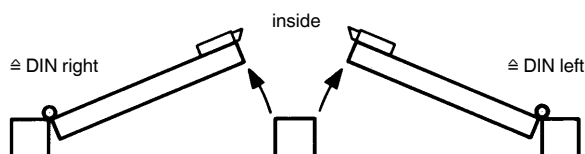
#### Recommendations



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page 85



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page 66



## No. 21

### Heavy rim lock, outward opening

All parts fully zinc-plated, with spring bolt. Spring bolt cannot be turned. Closure: PZW. Night latch function.

Accessory: Striking plate.

- backset 60 mm
- rotation 2 turn
- follower 8 mm
- centres 55.3 mm

| Order no. | Closure | Door direction | Backset [mm] | Case depth [mm] | Weight [g] |
|-----------|---------|----------------|--------------|-----------------|------------|
| 10926     | PZW     | DIN R          | 60           | 100             | 1100       |
| 10934     | PZW     | DIN L          | 60           | 100             | 1100       |

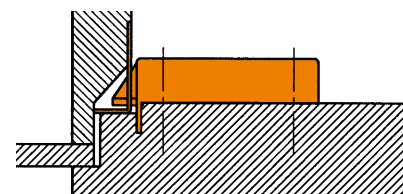
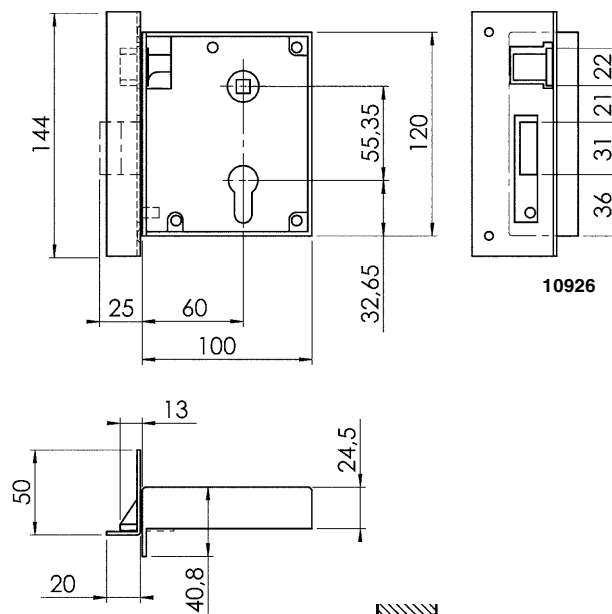
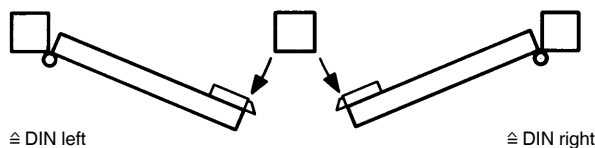
R = right, L = left



#### Recommendations



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page 85



Subject to technical alterations.

## No. 2 ZW-26

### Heavy rim lock, inward opening

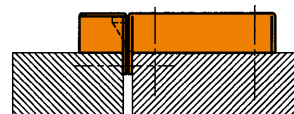
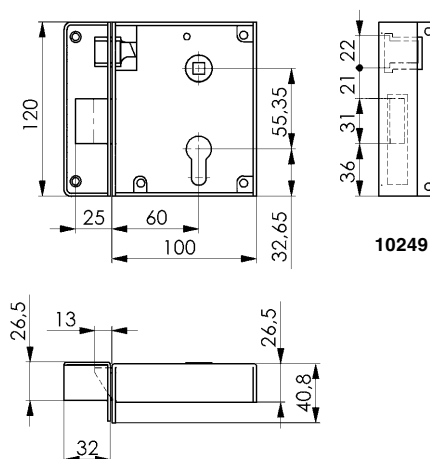
All parts fully zinc-plated, with spring bolt. Spring bolt cannot be turned. Closure PZ. Night latch function.

Accessory: Striking box.

- backset 60 mm
- rotation 2 turn
- follower 8 mm
- centres 55.3 mm

| Order no. | Closure | Door direction | Backset<br>[mm] | Case depth<br>[mm] | Weight<br>[g] |
|-----------|---------|----------------|-----------------|--------------------|---------------|
| 10249     | PZW     | DIN L          | 60              | 100                | 1250          |
| 10264     | PZW     | DIN R          | 60              | 100                | 1250          |

R = right, L = left



## No. 401Z

### Short cylinder plate

Stainless steel.

554191 angular shape

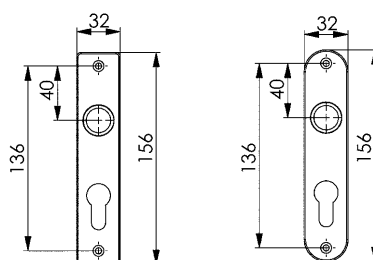
554190 round shape

Suitable for use with lock 2, 21 and 2ZW-26.

Incl. 2 lever roses for Ø 16 mm and Ø 18 mm levers, 2 stainless steel wood screws.

Short cylinder plate with 55.35 mm spacing.

| Order no. | Bore for lever actuation | Dimension<br>[mm] | Weight<br>[g] |
|-----------|--------------------------|-------------------|---------------|
| 554191    | ●                        | 32 x 156 x 6      | 190           |
| 554190    | ●                        | 32 x 156 x 6      | 190           |





## No. 402

### Furniture pair, cranked

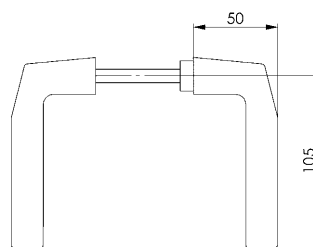
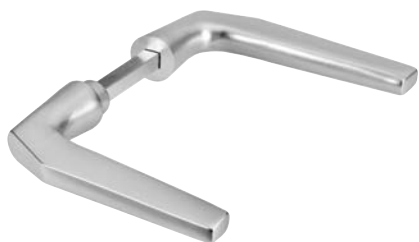
with handle pin.

Light-alloy, silver-coloured (F1), 18 mm guide. 8 mm spindle.

Suitable for lock no. 2 and no. 21.

If door thickness is under 45 mm, shorten pin.

| Order no. | Door thickness | Weight |
|-----------|----------------|--------|
|           | [mm]           | [g]    |
| 16188     | 45-55          | 250    |



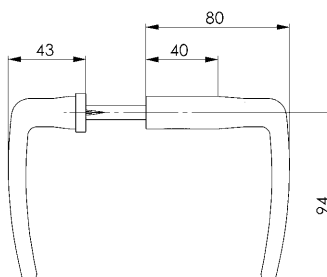
## No. 403

### Furniture pair, straight

with lever pin.

Plastic, black, 18 mm guide. 8 mm spindle. Suitable for lock no. 2 and no. 21.

| Order no. | Door thickness | Weight |
|-----------|----------------|--------|
|           | [mm]           | [g]    |
| 16204     | 35-45          | 80     |



## No. 15

### Rim lock with rising latch

Fully zinc-plated. Robust design, rising spring-bolt.  
Can be used inwards or outwards, left or right.  
Choice of closure with PR or B (with 1 key no. 15-...).

- backset 65 mm
- rotation 2 turns
- centres 55 mm
- follower 8 mm
- striking plate for 12 mm offset

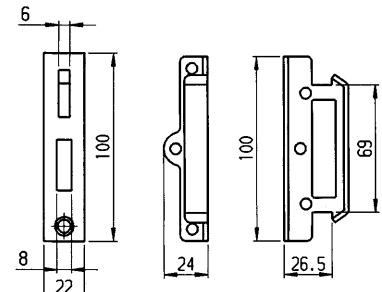
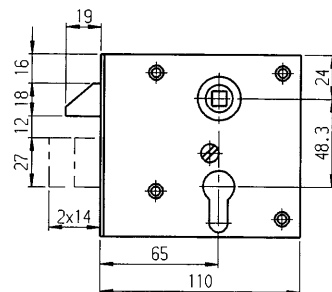
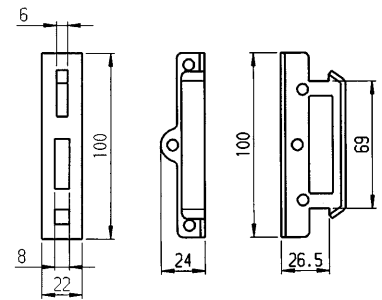
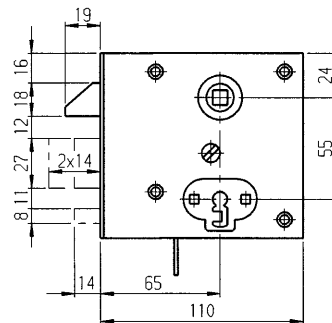
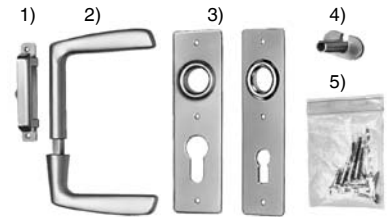


| Order no. | Closure | Backset<br>[mm] | Case depth<br>[mm] | Weight<br>[g] |
|-----------|---------|-----------------|--------------------|---------------|
| 10363     | B       | 65              | 110                | 890           |
| 10389     | PZ      | 65              | 110                | 950           |

### Design:

Accessories (included in scope of supply):

- 1) Striking plate for inward closing, right-hand and left-hand locks
- 2) Pair of aluminium levers, silver-coloured
- 3) Long steel plate, silver-coloured, profile cylinder or bit key
- 4) Key guide, only for No. 15 with closure B
- 5) Mounting material



## No. 15-11

### Striking plate

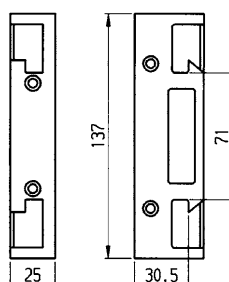
for outward opening of lock no. 15, please order separately.

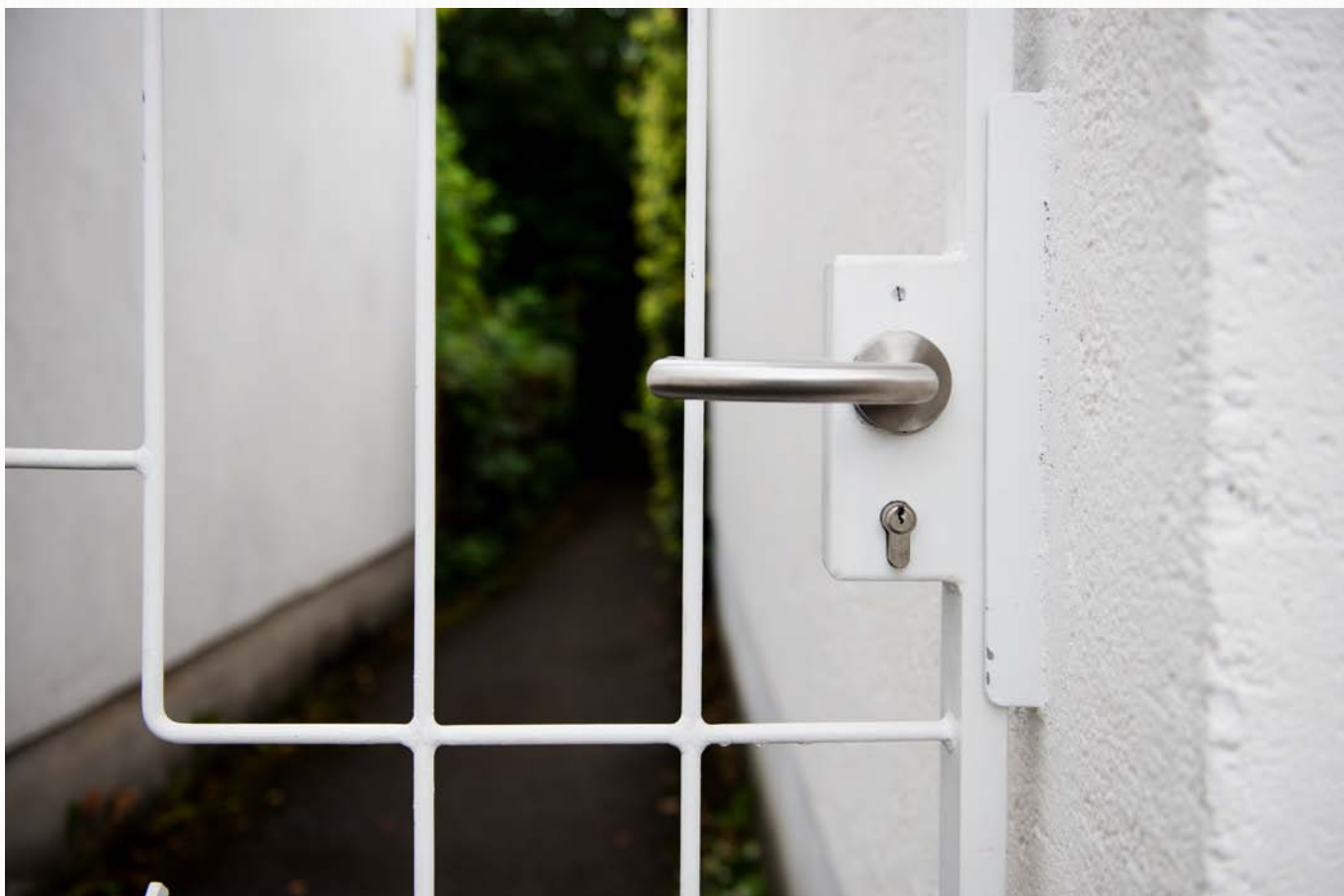
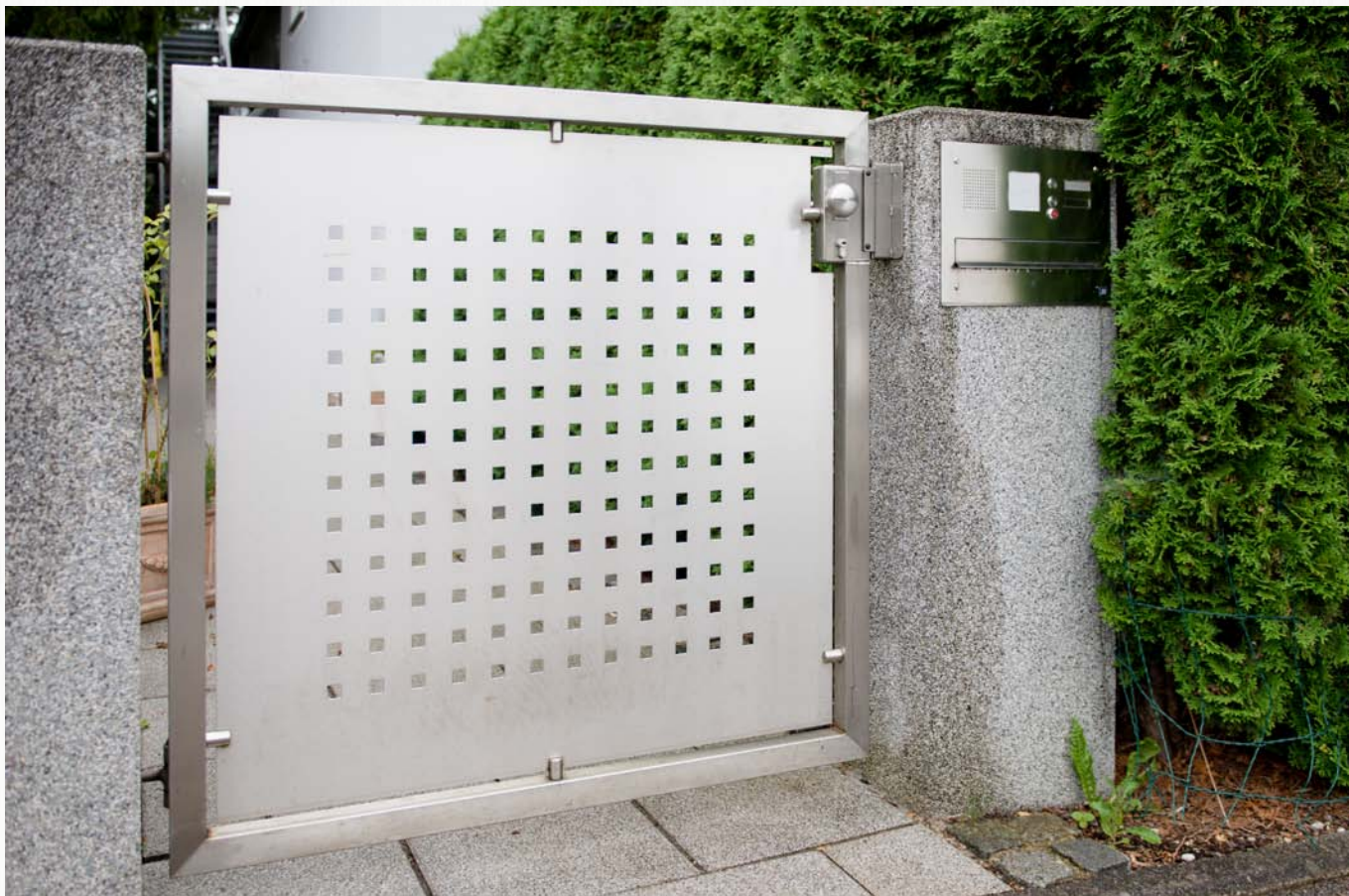


| Order no. | fits         | Weight<br>[g] |
|-----------|--------------|---------------|
| 10371     | 10363, 10389 | 80            |

### Application:

Suitable for no. 15 with closing PZ and B.





## No. 49

### Rim deadlock with angle striking plate

all parts fully zinc-plated. Can be used on left or right.  
Die-cast-zinc bolt. Choice of closure with PZ, RZ or B (with 1 key no. 58).  
Accessory: B, PZ or RZ roses.  
Trade pack: 10 pce.  
- backset 60 mm  
- rotation 2 turns



#### Recommendations



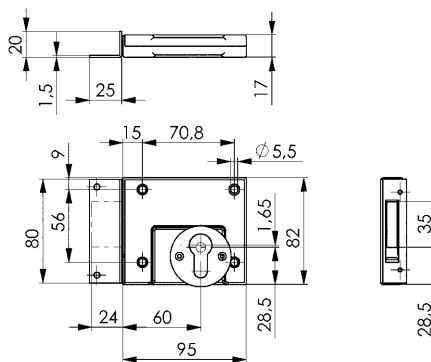
No. 49ZNI,  
page 19

| Order no. | Closure | Backset<br>[mm] | Case depth<br>[mm] | Weight<br>[g] |
|-----------|---------|-----------------|--------------------|---------------|
| 11262     | B       | 60              | 95                 | 415           |
| 11270     | B*      | 60              | 95                 | 415           |
| 11346     | PZ      | 60              | 95                 | 385           |
| 11361     | RZ      | 60              | 95                 | 385           |

\* Accepts only one particular key profile

#### Note:

Rim deadlock with angular striking plate no. 49 is also available in stainless steel, see item no. 49ZNI.



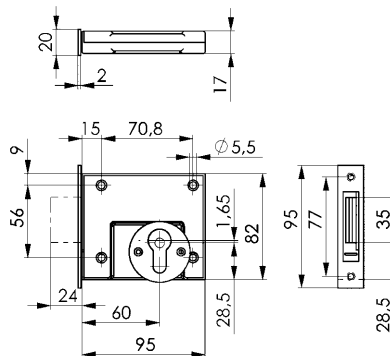
## No. 49

### Rim deadlock with flat striking plate

all parts fully zinc-plated. Can be used on left or right.  
Die-cast-zinc bolt. Choice of closure PZ or B (with 1 key no. 58).  
Accessory: B or PZ roses.  
Trade pack: 10 pce.  
- backset 60 mm  
- rotation 2 turns



| Order no. | Closure | Backset<br>[mm] | Case depth<br>[mm] | Weight<br>[g] |
|-----------|---------|-----------------|--------------------|---------------|
| 11296     | B       | 60              | 95                 | 400           |
| 11353     | PZ      | 60              | 95                 | 370           |



## No. 49SB

### Rim deadlock with angle striking plate in self-service package

For design and dimensions see lock no. 49  
Choice of closure with PZ or B (with 2 keys no. 58).  
Accessories: B or PZ roses and screws.



| Order no. | Closure | Backset<br>[mm] | Case depth<br>[mm] | Weight<br>[g] |
|-----------|---------|-----------------|--------------------|---------------|
| 11320     | B       | 60              | 95                 | 465           |
| 11338     | PZ      | 60              | 95                 | 410           |



## No. 100

### Wrought-iron gate deadlock

surface mounting, all parts fully zinc-plated.  
Choice of closure PZ or RZ.

- backset 65 mm
- rotation 2 turns



12013

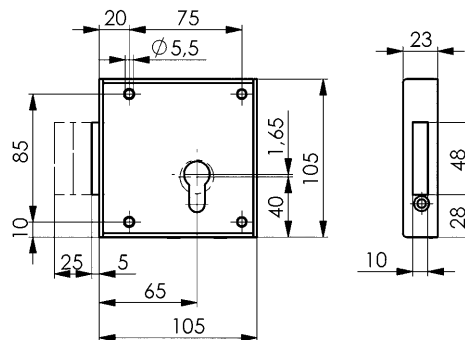
#### Recommendations



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page 66

| Order no. | Closure | Door direction | Backset [mm] | Case depth [mm] | Weight [g] |
|-----------|---------|----------------|--------------|-----------------|------------|
| 12005     | PZ      | DIN L          | 65           | 105             | 820        |
| 12013     | PZ      | DIN R          | 65           | 105             | 820        |
| 12047     | RZ      | DIN L          | 65           | 105             | 820        |
| 12054     | RZ      | DIN R          | 65           | 105             | 820        |

R = right, L = left



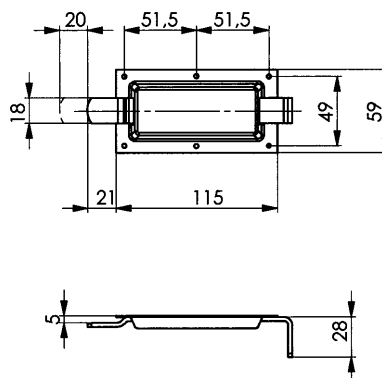
## No. 416

### Pressed shutter bolt

zinc-plated and yellow passivated. Robust design.  
Hardened steel spring, with keep plate.  
Trade pack: 10 pieces in a carton



| Order no. | Width [mm] | Weight [g] |
|-----------|------------|------------|
| 15156     | 136        | 150        |



## No. 440

### Shutter latch

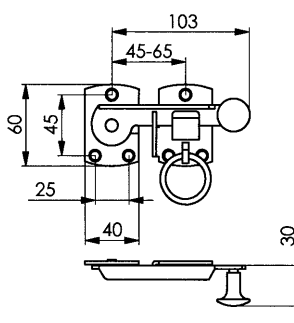
zinc-plated and yellow passivated. Robust design, with ring for opening.  
Trade pack: 10 pieces in a carton.



| Order no. | Width [mm] | Weight [g] |
|-----------|------------|------------|
| 15198     | 123        | 200        |

#### Design:

Flat mounting face, suitable for use plastic and aluminium hinged shutters. Screw pattern reduces risk of splitting when wooden shutters are abused.



# GARAGE DOOR LOCKS FROM AMF

Our garage door locks have been securing thousands of garage doors for decades. They provide the expected additional security and reliability – and nowadays with electrical door drives.

## SECURE LOCKING (FUNCTION)

by locking the rods rigidly, as in a deadlock, even with lateral rod pressure or when the rods are stuck.

## EASY LOCKING – COMFORTABLE HANDLING

thanks to overhead cylinder and 90 mm distance from the T-handle. Rod forces do not affect the locking mechanism; the cylinder is always relieved.

## FREE MOVEMENT

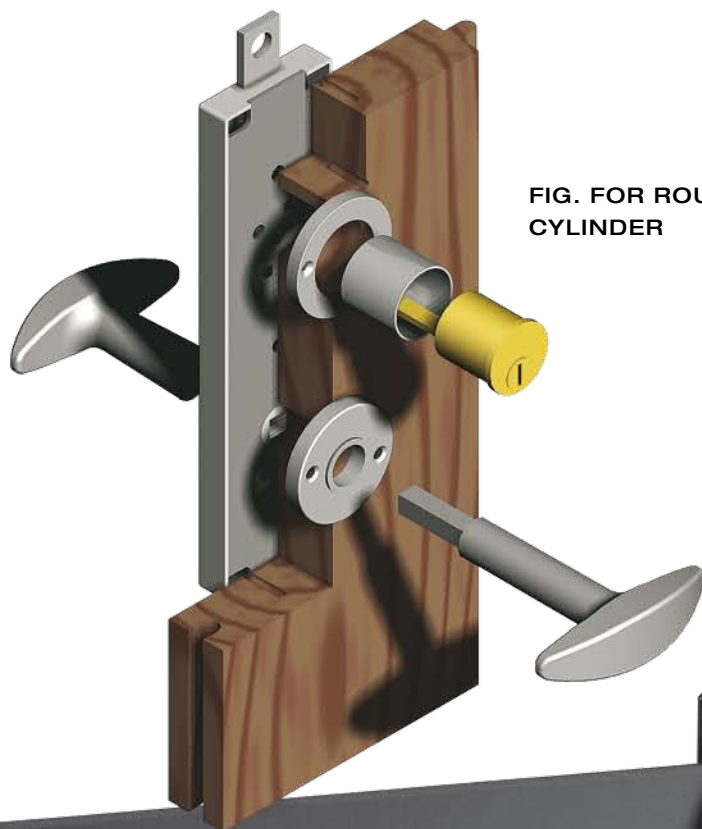
thanks to long rod guide, three springs and good lubrication.

## LONG SERVICE LIFE

by means of engineering design and careful manufacture, e.g.

- > 9 mm handle follower, double spring loaded, cannot escape to one side
- > all parts galvanized
- > all bearings lubricated during assembly.

FIG. FOR ROUND  
CYLINDER



Subject to technical alterations.

## No. 550, 551, 552, 554, 558

### Garage-door locks for up-and-over and leaf doors

all parts fully zinc-plated, rod connections top and bottom. Trade pack: 5 pieces in a carton.  
- follower 9 mm



| Order no. | Design | Closure | Release knob, inside | Automatic closing | Weight [g] |
|-----------|--------|---------|----------------------|-------------------|------------|
| 16501     | 550    | RZ      | ●                    | ●                 | 810        |
| 16550     | 551    | PZ      | ●                    | ●                 | 810        |
| 16345     | 552    | PZ      | ●                    | -                 | 830        |
| 16568     | 554    | PZ      | -                    | ●                 | 810        |
| 16675     | 558    | *       | -                    | -                 | 780        |

\* operation by handle only, no cylinder.

### Design:

16501: for round cylinder, inside with release button, automatic closing  
16550: aligned for profile cylinder, inside with release button, automatic closing  
16568: aligned for profile cylinder, without release button, automatic closing  
16345: aligned for profile cylinder, inside with release button, non-automatic closing  
16675: Basquill closure, without locking device

### Note:

16345: This garage door lock is especially suitable for garage door locks which need to be closed with the handle during the day and locked in the evening, e.g. equipment store in a gymnasium.

### Recommendations



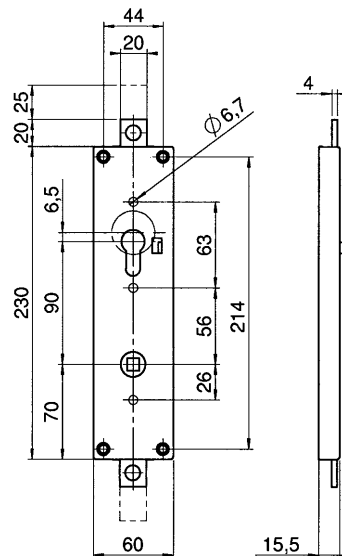
No. 515,  
page 92



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page 92



No. 560/561,  
page 93



## No. 512

### Short plate for profile cylinder

silver-coloured (F1), 18 mm guide.

16048 Mounting from outside

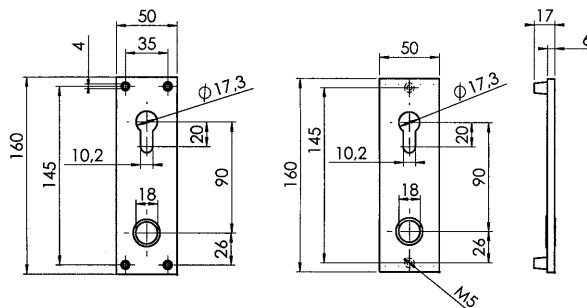
16162 Mounting from inside

| Order no. | Mounting, outside | Mounting, inside | Weight [g] |
|-----------|-------------------|------------------|------------|
| 16048     | ●                 | -                | 60         |
| 16162     | -                 | ●                | 80         |



16048

16162

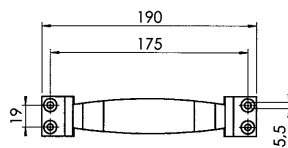


## No. 501

### Handle

Silver-coloured (F1).

| Order no. | Dimension [mm] | Weight [g] |
|-----------|----------------|------------|
| 15958     | 190            | 120        |



## No. 515

### T-handle

Silver-coloured (F1), with 9 mm spindle.

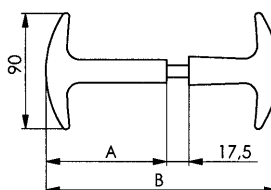
16121 Olive handle, single, female

| Order no. | Handle set | Handle, single, female | A   | B   | Door thickness [mm] | Weight [g] |
|-----------|------------|------------------------|-----|-----|---------------------|------------|
| 16089     | ●          | -                      | 70  | 135 | 30                  | 200        |
| 16097     | ●          | -                      | 95  | 160 | 30-45               | 220        |
| 16105     | ●          | -                      | 115 | 180 | 45-75               | 240        |
| 16121     | -          | ●                      | -   | -   | -                   | 70         |



16089  
16097  
16105

16121





## No. 525

### Flat rod

steel, bare-metal.

| Order no. | Dimension     | Weight [g] |
|-----------|---------------|------------|
|           | [mm]          |            |
| 16196     | 1250 x 20 x 8 | 1600       |

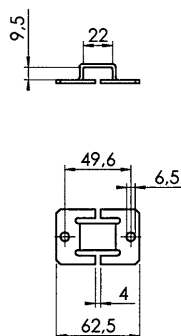
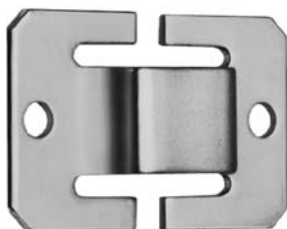


## No. 521

### Rod guide

Zinc-plated steel. Guide bearing for flat rods.

| Order no. | fits  | Weight [g] |
|-----------|-------|------------|
|           |       |            |
| 16154     | 16196 | 50         |

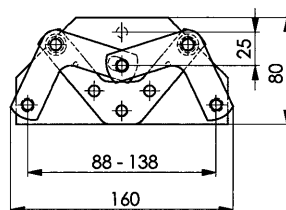


## No. 560/561

### Angle drive

Steel, zinc-plated.  
16691 with spacer plate  
124776 without spacer plate

| Order no. | Spacer plate | Weight [g] |
|-----------|--------------|------------|
|           |              |            |
| 16691     | ●            | 500        |
| 124776    | -            | 315        |



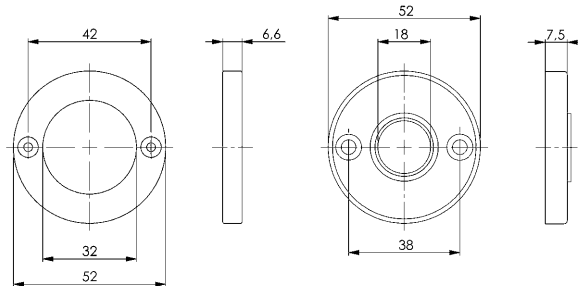
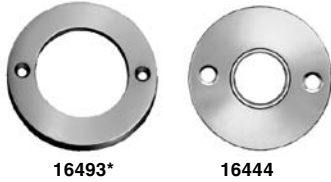
## No. 513

### Rose for round cylinder

Silver-coloured (F1).

| Order no. | For round cylinders | For Olive | Weight [g] |
|-----------|---------------------|-----------|------------|
| 16493     | ●*                  | -         | 11         |
| 16444     | -                   | ●         | 13         |

\* Ex stock subject to being unsold.



## No. 536

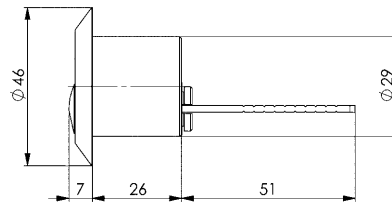
### Z Ikon round cylinder

brass, matt-nickel-plated.

Supplied as standard:

- 1 outer cylinder
- 3 keys
- 1 thrust washer
- 1 screw-on plate
- 2 screws M5 x 30

| Order no. | suitable for lock No. | Door thickness [mm] | Weight [g] |
|-----------|-----------------------|---------------------|------------|
| 16451     | 550                   | 30 - 55             | 220        |



## No. 537

### Cylinder sleeve

nickel-plated brass. For round cylinder no. 536.

| Order no. | Description | Weight [g] |
|-----------|-------------|------------|
| 16469     | 0 - 30 mm   | 30         |
| 16477     | 30 - 45 mm  | 40         |
| 16485     | 45 - 75 mm  | 55         |



**AMF** - Keys are of malleable iron, fine nickel plating, with neatly-milled bits. The illustrated profiles are seen from the ring, and represent the keyhole. When ordering, please always specify the article number and profile number.

## Comparison table for locks / keys

|                       |            |             |            |
|-----------------------|------------|-------------|------------|
| <b>Lock case no.:</b> | <b>140</b> | <b>140S</b> | <b>141</b> |
| Key no.:              | 50, 53     | 50, 53      | 50, 53     |
| <b>Case lock no.:</b> | <b>2</b>   | <b>21</b>   | <b>49</b>  |
| Key no.:              | 58         | 58          | 58         |

## No. 51

### Bit-key adapter set

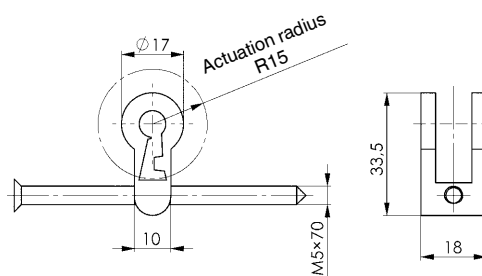
For all case locks and tube-frame locks pierced for profile cylinder.

Scope of supply:

- 1 bit-key insert (die-cast zinc)
- 1 fore-end bolt
- 2 keys no. 50



| Order no.     | Profile no. | Weight [g] |
|---------------|-------------|------------|
| <b>315366</b> | 1           | 65         |
| <b>319079</b> | 2           | 65         |
| <b>319095</b> | 3           | 65         |
| <b>319111</b> | 4           | 65         |
| <b>319129</b> | 5           | 65         |
| <b>319145</b> | 6           | 65         |
| <b>319160</b> | 7           | 65         |
| <b>319186</b> | 8           | 65         |
| <b>319202</b> | 9           | 65         |
| <b>319228</b> | 10          | 65         |



## No. 52

### Bit-key adapter set

For all case locks and tube-frame locks pierced for profile cylinder.

Scope of supply:

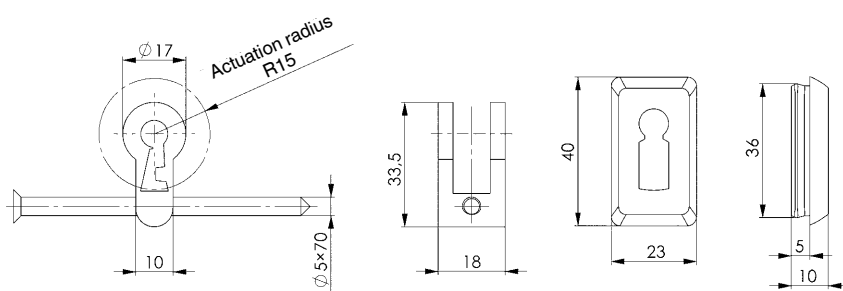
- 1 bit-key insert (die-cast zinc)
- 1 fore-end bolt
- 2 keys no. 50
- 1 pair bit-key roses, plastic, black (No. 493)



| Order no.     | Profile no. | Weight [g] |
|---------------|-------------|------------|
| <b>315382</b> | 1           | 73         |
| <b>319244</b> | 2           | 73         |
| <b>319269</b> | 3           | 73         |
| <b>319285</b> | 4           | 73         |
| <b>319301</b> | 5           | 73         |
| <b>319327</b> | 6           | 73         |
| <b>319343</b> | 7           | 73         |
| <b>319368</b> | 8           | 73         |
| <b>319384</b> | 9           | 73         |
| <b>319400</b> | 10          | 73         |

### Note:

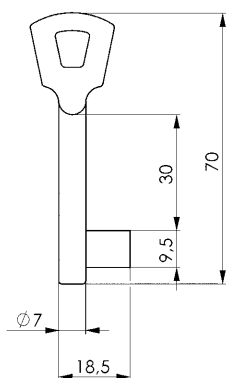
Fits all cased locks and locks for tubular frames with profile-cylinder piercing. Example of order for a particular key profile: No. 51-... or 52-... (key profile no. 1-10 of article no. 50).



## No. 50

### Bit-key

short shaft.



| Order no. | Profile no. | Weight [g] |
|-----------|-------------|------------|
| 315325    | 1           | 19         |
| 319061    | 2           | 19         |
| 319087    | 3           | 19         |
| 319103    | 4           | 19         |
| 318774    | 5           | 19         |
| 318790    | 6           | 19         |
| 318816    | 7           | 19         |
| 318832    | 8           | 19         |
| 318857    | 9           | 19         |
| 318873    | 10          | 19         |

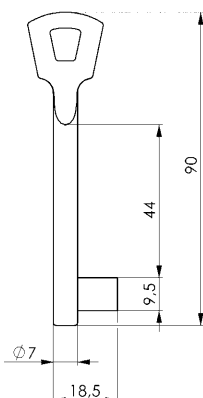
No. 50: standard bit key for articles 51 and 52.  
Minimum order quantity = 5 units per key profile



## No. 53

### Bit-key

long shaft.



| Order no. | Profile no. | Weight [g] |
|-----------|-------------|------------|
| 315341    | 1           | 27         |
| 318899    | 2           | 27         |
| 318915    | 3           | 27         |
| 318931    | 4           | 27         |
| 318956    | 5           | 27         |
| 318972    | 6           | 27         |
| 318998    | 7           | 27         |
| 319012    | 8           | 27         |
| 319038    | 9           | 27         |
| 319053    | 10          | 27         |

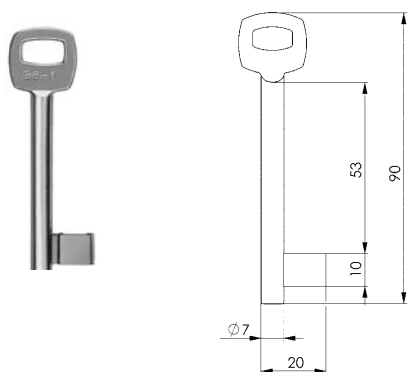
No. 53: alternative longer shank for articles 51 and 52.  
Minimum order quantity = 5 units per key profile





**No. 58**
**Bit-key**

long shaft.

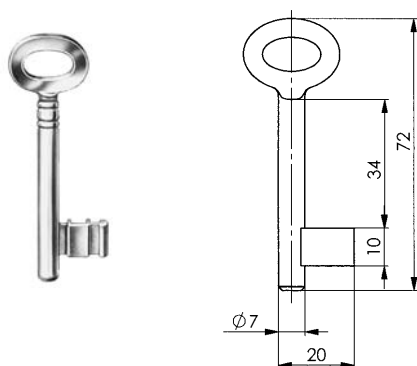


| Order no. | Profile no. | Weight [g] |
|-----------|-------------|------------|
| 315184    | 1           | 28         |
| 315333    | 3           | 28         |
| 315358    | 4           | 28         |
| 315374    | 5           | 28         |
| 315390    | 6           | 28         |
| 315432    | 10          | 28         |
| 315457    | 11          | 28         |
| 315473    | 12          | 28         |
| 315499    | 13          | 28         |
| 315515    | 14          | 28         |
| 315523    | 15          | 28         |
| 315549    | 16          | 28         |

Minimum order quantity = 5 units per key profile


**No. 66**
**Bit-key**

short shaft.



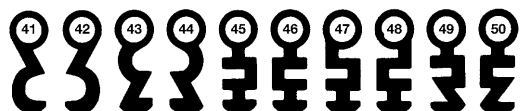
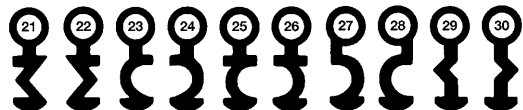
| Order no. | Profile no. | Weight [g] |
|-----------|-------------|------------|
| 316463    | 1           | 22         |
| 316448    | 2           | 22         |
| 315226    | 3           | 22         |
| 316489    | 4           | 22         |
| 316505    | 5           | 22         |
| 316521    | 6           | 22         |
| 316547    | 7           | 22         |
| 316562    | 8           | 22         |
| 316588    | 9           | 22         |
| 316273    | 11          | 22         |
| 316299    | 12          | 22         |
| 316315    | 13          | 22         |
| 316331    | 14          | 22         |
| 316356    | 15          | 22         |
| 316372    | 16          | 22         |
| 316398    | 17          | 22         |
| 316414    | 18          | 22         |
| 316430    | 19          | 22         |
| 316455    | 20          | 22         |
| 316471    | 21          | 22         |
| 316497    | 22          | 22         |
| 316513    | 23          | 22         |
| 316539    | 24          | 22         |
| 316554    | 25          | 22         |
| 316570    | 26          | 22         |
| 316596    | 27          | 22         |
| 316604    | 28          | 22         |
| 316620    | 29          | 22         |
| 316646    | 30          | 22         |
| 316661    | 31          | 22         |
| 316703    | 33          | 22         |
| 316729    | 34          | 22         |
| 316745    | 35          | 22         |
| 316760    | 36          | 22         |
| 316786    | 37          | 22         |
| 316802    | 38          | 22         |
| 316828    | 39          | 22         |
| 316844    | 40          | 22         |
| 316869    | 41          | 22         |
| 316901    | 43          | 22         |
| 316927    | 44          | 22         |
| 316943    | 45          | 22         |

Subject to technical alterations.

## No. 66

### Bit-key

short shaft.



| Order no. | Profile no. | Weight [g] |
|-----------|-------------|------------|
| 316612    | 46          | 22         |
| 316638    | 47          | 22         |
| 316653    | 48          | 22         |
| 316679    | 49          | 22         |
| 316695    | 50          | 22         |
| 316711    | 51          | 22         |
| 316737    | 52          | 22         |
| 316752    | 53          | 22         |
| 316778    | 54          | 22         |
| 316794    | 55          | 22         |
| 316810    | 56          | 22         |
| 316836    | 57          | 22         |
| 316851    | 58          | 22         |
| 316877    | 59          | 22         |
| 316893    | 60          | 22         |
| 316919    | 61          | 22         |
| 316935    | 62          | 22         |
| 316950    | 63          | 22         |
| 316968    | 64          | 22         |
| 316984    | 65          | 22         |
| 317008    | 66          | 22         |
| 317024    | 67          | 22         |
| 317040    | 68          | 22         |
| 317065    | 69          | 22         |
| 317081    | 70          | 22         |
| 317107    | 71          | 22         |
| 317123    | 72          | 22         |
| 317149    | 73          | 22         |
| 317164    | 74          | 22         |
| 317180    | 75          | 22         |
| 317206    | 76          | 22         |
| 317222    | 77          | 22         |
| 317248    | 78          | 22         |
| 317263    | 79          | 22         |
| 317289    | 80          | 22         |

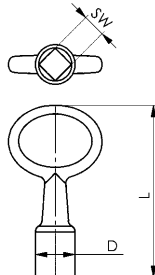
Minimum order quantity = 5 units per key profile

**DIN 7417**
**Square socket key**

Die-cast zinc.

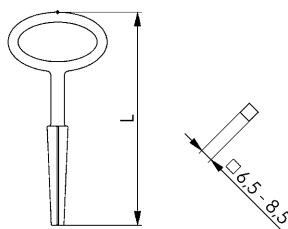
| Order no.    | SW | D   | L  | Weight [g] |
|--------------|----|-----|----|------------|
| <b>56002</b> | 6  | 11  | 55 | 18         |
| <b>56010</b> | 7  | 13  | 52 | 20         |
| <b>56028</b> | 8  | 14  | 58 | 24         |
| <b>56044</b> | 10 | 18* | 68 | 40         |

\* similar to DIN.


**No. 82G**
**Double window key**

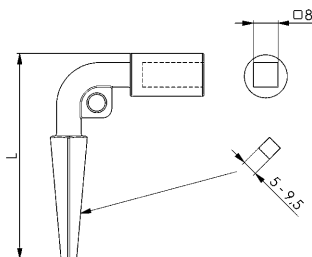
malleable iron, nickel-plated.

| Order no.    | Square [mm] | L   | Weight [g] |
|--------------|-------------|-----|------------|
| <b>18887</b> | 6,5 - 8,5   | 110 | 65         |


**No. 84**
**Architect's key**

Die-cast zinc, zinc-plated.

| Order no.    | Square [mm] | L  | Weight [g] |
|--------------|-------------|----|------------|
| <b>18986</b> | 5 - 9,5     | 70 | 60         |



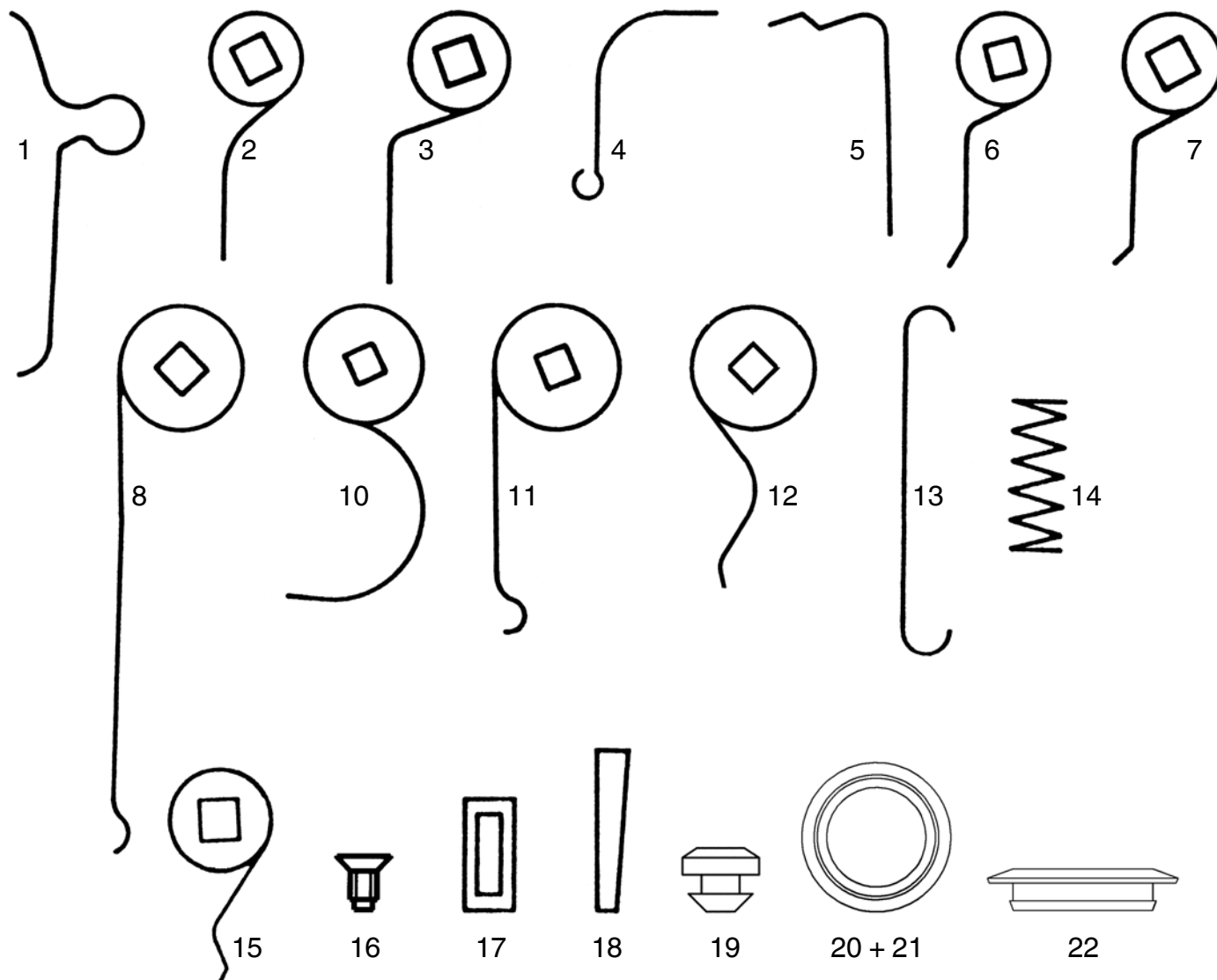
## Accessories

### Lock springs, connection parts, lever pins, screws

The table lists the various small parts used in our present and previous lock ranges.  
When ordering, please use the order number only.

- 1 release spring for garage door lock no. 550, 551, 553, 554, 556, 557
- 2 retaining spring for wrought-iron gates and cased locks no. 2, 21, 100, 104, 107
- 3 spring-bolt and retaining spring for lock no. 142U, 143U
- 4 retaining spring for lock no. 143U
- 5 spring-bolt head spring for lock no. 143U
- 6 spring-bolt spring for wrought-iron gates and case lock no. 2, 21, 107
- 7 spring-bolt spring for previous: mortise lock no. 159, 163, 204, 205
- 8 chain spring for lock no. 142U
- 10 follower lock for wrought-iron gate lock no. 107
- 11 chain lock for cased lock no. 2, 21
- 12 follower spring for lock no. 143U
- 13 catch spring for garage door lock no. 550, 551, 552, 553, 554, 556, 557, 558, 559
- 14 compression spring for garage door lock no. 553, 556, 557, 559
- 15 spring-bolt spring for lock no. 143U
- 16 countersunk screw
- 17 link
- 18 handle pin for T-handle no. 515
- 19 rubber buffer for striking boxes for sliding bolts no. 144ET, 144ETNIG, 145G, 146, 147, 147B
- 20 polyamide guide 16 mm for fittings from light-alloy and stainless steel
- 21 polyamide guide 18 mm for fittings from light-alloy and stainless steel
- 22 end plug for lock no. 140

| Order no. | Fig. No. | Square<br>[mm] | Width<br>[mm] |
|-----------|----------|----------------|---------------|
| 124008    | 1        | -              | 4             |
| 125823    | 2        | 5              | 4             |
| 136838    | 3        | 6              | -             |
| 143248    | 4        | -              | 7             |
| 147546    | 5        | -              | 6             |
| 125575    | 6        | 5              | 8             |
| 125740    | 7        | 6              | 4             |
| 136812    | 8        | 6              | 8             |
| 125633    | 10       | 5              | 6             |
| 125872    | 11       | 5              | 7             |
| 136861    | 12       | 6              | 7             |
| 125948    | 13       | -              | 4             |
| 125955    | 14       | 7,6x15,5       | -             |
| 146159    | 15       | 6              | 4             |
| 159939    | 16       | M4 x 8         | -             |
| 126250    | 17       | -              | -             |
| 15941     | 19       | -              | -             |
| 155994    | 20       | -              | -             |
| 156018    | 21       | -              | -             |
| 16311     | 22       | -              | -             |



Subject to technical alterations.

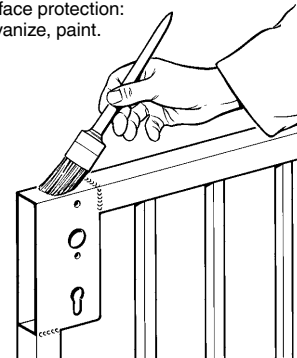
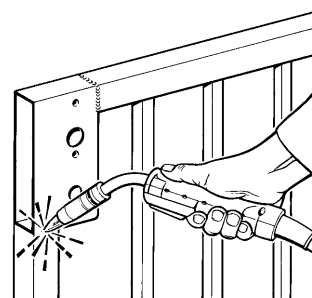
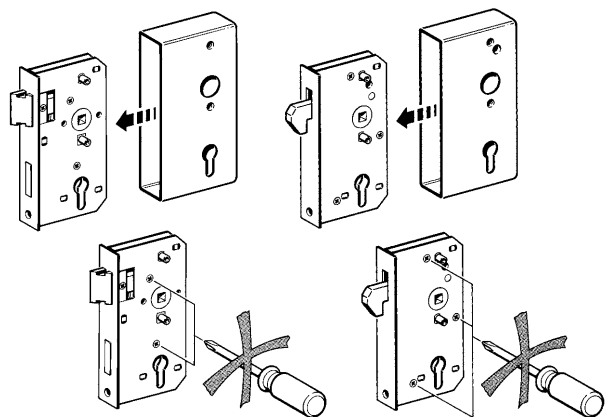


## Lock case installation:

Preparation: Remove lock from lock case.

Weld in.

Surface protection:  
galvanize, paint.

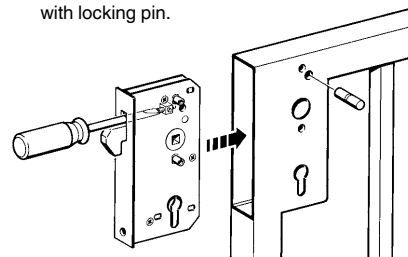
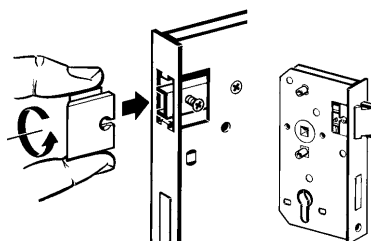
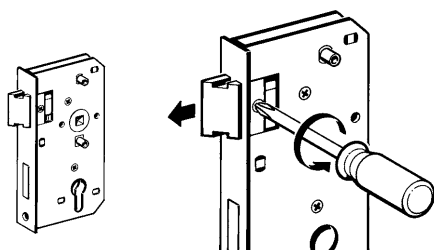


The lock is greased ready for mounting. **Please do not open!**

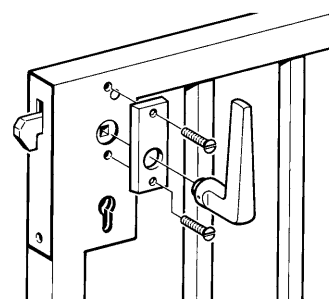
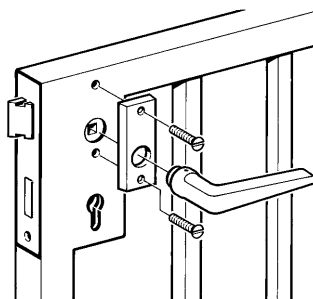
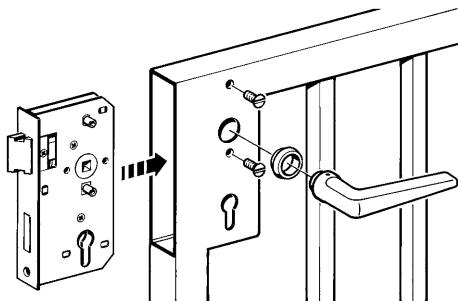
## Mounting the lock:

Set spring bolt to desired closing side.

Fix lock in case  
with locking pin.



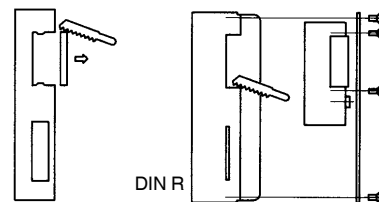
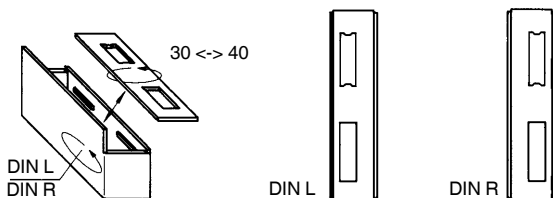
## Installing the lock and fittings in a single step:



## Mounting the lock:

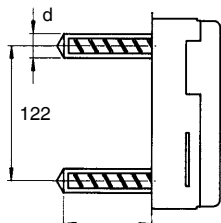
The closing direction is determined by the position of the striking plate.

Preparation for mounting the door opener:



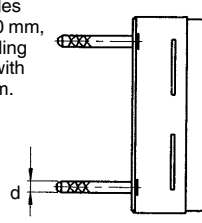
## No. 147 for installation by drilling

- with injection system, e.g. HIT, HILTI, FIPS or FISCHER; hole  $\varnothing$  16 x 80, precise spacing, axes aligned!
- with joining mortar, holes  $\varnothing$  22 x 80 or larger as desired.



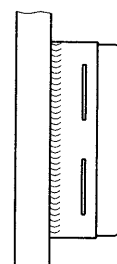
## No. 147A for fastening with wall plugs:

- drill 4 plug holes
- wall plug  $\varnothing$  10 mm, length according to substrate with screw  $\varnothing$  6 mm.



## No. 147B for welding on:

- weld on striking box
- galvanize completely



Subject to technical alterations.

## ... BY ITEM NO.

| Article no.            | Page       | Article no.              | Page   | Article no.        | Page | Article no.        | Page | Article no.               | Page   |
|------------------------|------------|--------------------------|--------|--------------------|------|--------------------|------|---------------------------|--------|
| <b>Accessories</b>     | 100        | <b>No. 142PGN</b>        | 33     | <b>No. 149ST</b>   | 76   | <b>No. 435</b>     | 55   | <b>No. 49</b>             | 88     |
| <b>DIN 7417</b>        | 99         | <b>No. 142PS</b>         | 36     | <b>No. 149STD</b>  | 77   | <b>No. 436</b>     | 52   | <b>No. 49SB</b>           | 88     |
| <b>No. 100</b>         | 89         | <b>No. 142R</b>          | 39     | <b>No. 149STP</b>  | 77   | <b>No. 437</b>     | 52   | <b>No. 49ZNI</b>          | 19     |
| <b>No. 104</b>         | 82         | <b>No. 142RD</b>         | 38     | <b>No. 149T</b>    | 73   | <b>No. 438</b>     | 52   | <b>No. 490GN</b>          | 65     |
| <b>No. 107</b>         | 82         | <b>No. 142S</b>          | 40     | <b>No. 149TD</b>   | 74   | <b>No. 439</b>     | 52   | <b>No. 491N</b>           | 34     |
| <b>No. 107G-25</b>     | 44         | <b>No. 142SD</b>         | 41     | <b>No. 149TL</b>   | 74   | <b>No. 440</b>     | 89   | <b>No. 492N</b>           | 34     |
| <b>No. 140CNIG</b>     | 11         | <b>No. 142SNIG</b>       | 18     | <b>No. 149TM</b>   | 74   | <b>No. 445</b>     | 70   | <b>No. 493</b>            | 70     |
| <b>No. 140CNIG-A42</b> | 73         | <b>No. 142U</b>          | 22     | <b>No. 149TRA</b>  | 75   | <b>No. 446</b>     | 70   | <b>No. 494</b>            | 69     |
| <b>No. 140D</b>        | 26         | <b>No. 142U-FF30</b>     | 66     | <b>No. 149TS</b>   | 75   | <b>No. 448</b>     | 34   | <b>No. 495</b>            | 60     |
| <b>No. 140DD</b>       | 25         | <b>No. 142U-F35</b>      | 66     | <b>No. 149TV</b>   | 75   | <b>No. 450/447</b> | 70   | <b>No. 495Z</b>           | 61     |
| <b>No. 140DK</b>       | 25, 26, 38 | <b>No. 142UM-F30</b>     | 66     | <b>No. 15</b>      | 86   | <b>No. 451</b>     | 63   | <b>No. 496</b>            | 57     |
| <b>No. 140ENIG-A42</b> | 73         | <b>No. 142UNIG</b>       | 13, 23 | <b>No. 150N</b>    | 76   | <b>No. 452</b>     | 63   | <b>No. 497DZ</b>          | 59     |
| <b>No. 140IG</b>       | 14         | <b>No. 143U</b>          | 21     | <b>No. 151C</b>    | 49   | <b>No. 453Z</b>    | 64   | <b>No. 497Z</b>           | 59     |
| <b>No. 140K</b>        | 22, 23     | <b>No. 143UNIG</b>       | 16     | <b>No. 151NI</b>   | 49   | <b>No. 454</b>     | 64   | <b>No. 498</b>            | 59     |
| <b>No. 140KNIG</b>     | 13         | <b>No. 144CNIG</b>       | 11     | <b>No. 15-11</b>   | 86   | <b>No. 455</b>     | 64   | <b>No. 50</b>             | 96     |
| <b>No. 140P</b>        | 32         | <b>No. 144ET</b>         | 46     | <b>No. 2</b>       | 83   | <b>No. 456Z</b>    | 64   | <b>No. 501</b>            | 92     |
| <b>No. 140PGN</b>      | 33         | <b>No. 144ETNIG</b>      | 15     | <b>No. 2 ZW-26</b> | 84   | <b>No. 457</b>     | 69   | <b>No. 51</b>             | 68, 95 |
| <b>No. 140PS</b>       | 35         | <b>No. 144GS</b>         | 45     | <b>No. 21</b>      | 83   | <b>No. 457D</b>    | 67   | <b>No. 512</b>            | 92     |
| <b>No. 140R</b>        | 39         | <b>No. 145</b>           | 43     | <b>No. 3412</b>    | 79   | <b>No. 457NI</b>   | 69   | <b>No. 513</b>            | 94     |
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## Notes

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.

This image shows a full page of blank graph paper. The grid consists of small, equal-sized squares formed by thin gray lines. There are 20 columns and 20 rows of squares, creating a total area of 400 small squares. The grid covers the entire page except for a narrow white border around the edges.

Subject to technical alterations.

These Terms of Payment apply for companies, legal entities governed by public law and public law special funds. Our goods and services are supplied exclusively on the basis of the following conditions. Any deviating purchasing conditions of the customer not expressly recognised by us will not become part of the contract through acceptance of the order. By placing the order and accepting the goods we deliver, the customer confirms its consent to our terms and conditions.

## 1. Offer and contractual conclusion

All our offers are always subject to change without notice unless otherwise explicitly agreed. Our delivery contracts are based on the latest version of our catalogue. Dimension and weight values, as well as illustrations, drawings and data, are non-binding and can be changed by us at any time. Therefore, deviations cannot be ruled out and do not justify any compensation claims against us. Orders are considered accepted only when confirmed by us in writing. If, for organisational reasons, the customer does not receive a separate confirmation upon the delivery of goods, the invoice shall also be deemed the order confirmation.

## 2. Prices

The prices are in EURO, ex-works, excluding VAT, packing, freight, postage and insurance. Unless otherwise agreed, our list prices valid on the day of delivery shall apply. For orders below 50 EUR goods net, we must make a minimum quantity surcharge of a 10 EURO for cost reasons.

## 3. Tool costs

Unless any other agreements have been reached, the tools fabricated for the purpose of executing the order shall remain our property in all cases, even if we have invoiced a tool cost component separately.

## 4. Payment

Unless otherwise stated on the invoice, the purchase price falls due for net payment within 30 days of the invoice date (without deduction of discount). Invoice amounts of below 50 EURO are due for payment immediately. In case of payment default, we shall be entitled to charge default interest. The amount corresponds to our interest rate for current account credits at our main bank; the minimum however being 8 percentage points above the relevant base interest rate applied by the European Central Bank. Moreover, in case of default following written notice to the customer, we shall be entitled to cease to fulfil our obligations until payments are received.

## 5. No set-off

The customer can set-off only with legally confirmed or undisputed counterclaims.

## 6. Right of withdrawal in case of delayed acceptance or payment and insolvency

If the customer fails to accept the goods in due time, we shall be entitled to set a reasonable period of grace, after which we can dispose of the goods elsewhere and supply the customer on a reasonably longer term. Our rights to withdraw from the contract under the provisions of Section 326 BGB and demand damages for non-performance shall not be affected. If the customer fails to pay for the goods once payment is due, we shall be entitled, at the end of a reasonable period of grace we have set, to withdraw from the contract and demand the return of any goods already supplied. Section 323 BGB remains unaffected in all other cases.

If the customer applies for the opening of insolvency proceedings, we shall be entitled, prior to the ordering of security measures by the insolvency court, to withdraw from the contract and demand the immediate return of the goods.

## 7. Customer-specific fabrications/project fabrications (custom fabrications)

Customer-specific fabrications require binding information on design, quantity etc. in written form at the time of ordering. For manufacturing reasons, we reserve the right to supply up to 10% above or below the order quantity. Technical modifications or cancellations are subject to any costs incurred. The return of customer-specific fabrications is impossible.

## 8. Delivery and packaging, transfer of risk

The delivery date is non-binding; although stated to the best of our knowledge. It is subject to us receiving correct, defect-free and complete deliveries. The stated delivery dates relate to completion in the factory, starting on the day the order is accepted by us. Delivery is EXW (ex-works) in accordance with Incoterms 2010. Therefore, the costs are borne by the customer. The risk is transferred to the customer when the goods are passed to the person, company or facility nominated to execute the shipment. This applies also for partial deliveries, or if we have assumed responsibility for delivery and installation. The risk shall be transferred to the customer even in the case of delayed acceptance.

In the absence of specific shipping instructions, we shall proceed as we deem fit and without any obligation to the cheapest or most expedient method. The customer agrees that the order can also be delivered in parts, insofar as this is reasonable for the customer. We shall charge a 5 EURO processing fee for shipping to third parties that we supply on behalf of the customer.

The packaging complies with the packaging ordinance. Disposable packaging shall be charged at cost price. The packaging cannot be taken back.

## 9. Performance impediment and/or impossibility

If we are hindered in the fulfilment of our obligation due to the onset of unforeseeable circumstances, which we are unable to avoid despite reasonable effort in relation to the nature of the circumstances (e.g. operational interruption, delay in the delivery of important raw materials, defects in the delivery), the delivery time shall be extended by a reasonable period, insofar as the supply of goods or services is not rendered unreasonably difficult or impossible.

If we have to accept that these circumstances are not only temporary, we shall be entitled to withdraw from the contract either in whole or in part.

If the supply of goods or services becomes impossible, the customer shall not be obliged to furnish its own contractual service. Section 275 BGB applies mutatis mutandis. If, however, the customer is solely or predominantly responsible for the

circumstances that led to impossibility, it shall remain under an obligation to render the return service. The same applies if this circumstance occurs at a time when the customer is behind schedule with acceptance.

## 10. Samples/returns

Samples shall be provided only against payment. If samples or models are provided, a credit note shall be issued with the subsequent order if the order value is 125 EURO net or more. Goods can be returned only by agreement, although custom fabrications are excluded from such return.

In the case of returns for which we are not responsible (e.g. incorrect order), we shall charge a processing fee of 10%, the minimum value, however, being 7.50 EURO.

## 11. Retention of title

The goods shall remain our property unless full payment of all claims and/or until the cheques provided for this purpose are honoured. The itemisation of claims in an ongoing invoice, as well as balancing the account and the recognition thereof does not affect the retention of title. The customer is entitled to sell on the retained goods during the ordinary course of business. However, the customer is not permitted to pledge the goods or transfer them by way of security. It shall assign its claim ensuing from the selling on of the retained goods to us in advance. The customer shall be entitled to collect the claim to the extent that it has fulfilled its obligations towards us. At our request, the customer shall be obliged to state third-party debtors and we shall be entitled to report this and the assignment.

## 12. Property rights

We reserve property rights and copyrights to all contractual documents such as drafts, drawings, calculations and cost estimates. Such documents must not be reproduced or disclosed to third parties without our consent. Any rights to patents, utility models etc. reside solely with us, insofar as such patents have not yet been filed. Our products are allowed to be replicated only with our written consent.

If objects are fabricated according to drawings or samples, the customer shall warrant that any third party property rights are not infringed by manufacture or delivery. If a third party forbids manufacture and delivery on account of property rights, we shall be entitled to stop manufacture and delivery immediately. The customer shall be obliged to reimburse us with all costs incurred and indemnify us from third party compensation claims. Compensation claims by the customer are impossible.

## 13. Warranty

If the customer agrees with us a particular quality of the goods, we shall base this agreement on our technical delivery specifications. If we have to deliver according to customer drawings, specifications, samples etc., the customer shall assume the risk for suitability for the intended purpose. If, after the contract is concluded, the scope of goods or services is changed at the customer's request and this impairs the quality or suitability of the goods, claims for defects on the part of the customer shall be ruled out, insofar as such impairments are caused by the customer's requests for change. The time at which the risk is transferred is decisive for the contractual state of the goods. Wear and tear of wearing parts caused by ordinary use does not constitute a defect. Claims for defects are ruled out in the following cases in particular: Unsuitable or improper use, incorrect installation and/or commissioning by the customer or third party, normal wear and tear, incorrect or negligent handling - in particular excessive use -, unsuitable equipment, replacement materials, chemical, electrochemical or electrical influences, unless such defects are caused by ourselves.

If the goods contain a defects, we shall provide, following a reasonable period of grace set by the customer, either a replacement or a repair as we deem fit. If such subsequent performance fails, the customer shall be entitled to either reduce the purchase price or withdraw from the contract. Any further warranty claims are ruled out. In case of negligible deviations from the agreed quality, no claims for defects shall be recognised.

The discovery of defects must be communicated to us immediately in writing. In the case of recognisable defects, however, within 10 days of acceptance, in the case of non-recognisable defects immediately after they become evident. The warranty is 12 months, starting with delivery of the goods ex-works.

## 14. Liability

With the exception of harm to life, body or health on account of a breach of duty by ourselves, our liability shall be limited to intent or gross negligence.

## 15. Place of fulfilment, place of jurisdiction and governing law

The place of fulfilment for all obligations ensuing from this contractual relationship is D-70734 Fellbach.

The place of jurisdiction for all legal disputes ensuing from the contractual relationship is the court responsible for the headquarters of Andreas Maier GmbH & Co. KG.

All disputes ensuing from the contract or regarding the validity thereof shall be finally decided by a court of arbitration in accordance with the Court of Arbitration Ordinance of the German Committee for Arbitration Court Procedures or the Conciliation and Arbitration Arrangement of the International Chamber of Commerce, recourse to ordinary courts of law being excluded. The legal dunning process, however, remains permissible.

German law shall govern (BGB and HGB). The applicability of the UN Convention on Contracts for the International Sale of Goods (CISG) is ruled out.

## 16. Severability clause

If individual provisions become legally invalid, the remaining provisions shall not be affected. The legally invalid provision shall be replaced by regulations that most closely reflect the economic purpose of the contract with reasonable consideration for the mutual interests. The publication of these Terms of Sale, Delivery and Payment renders all previous versions invalid. This does not apply for any contracts concluded prior to announcement.

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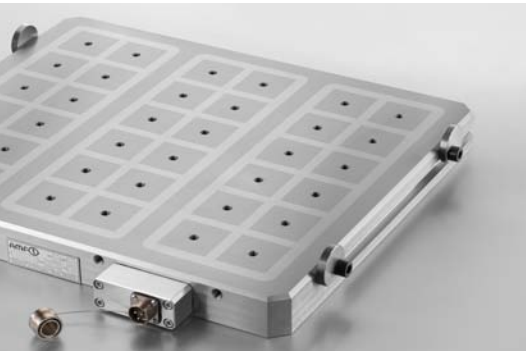
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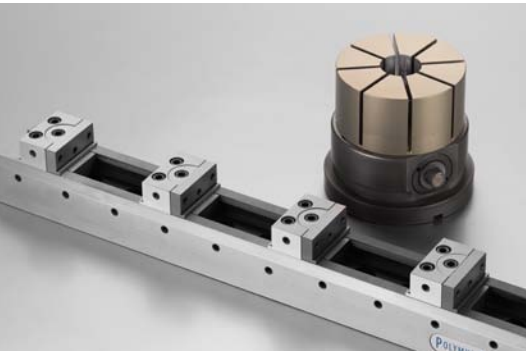
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