

Gâches électriques

Apriporta elettrici

# Elektro-Türöffner

Electric strikes

Cerraderos eléctricos

DOOR STRIKE LTS 611





# SILENT

## THE NEW effeff DOOR STRIKE

### **“No clicking, no snapping!”**

The LTS is extremely quiet. Apart from the typical noises that occur during energization, it produces almost no noise itself. The noise normally encountered with this type of technology that is caused when the door strike latch bolt snaps back, is virtually non-existent.

The LTS technology successfully and efficiently counteracts the disturbing sounds that are common to steel and aluminium frames.

## **“No clicking, no snapping!”**



Extremely quiet.  
The latest standard  
in door strikes

# PRECISE

## **“A perfect fit”**

The LTS can be adjusted extremely precisely. The latch bolt positioning range (FaFix) is 5 mm in 0.5 mm stages which facilitates not only initial installation but is also of use when precise adjustments are required for adapting to the summer and winter seasons.

The minimum opening force is adjustable, which means that the user can determine the degree of force that is required to open the door when it is mechanically or electrically unlocked. The door strike can thus be simply adjusted if the unlocked door for example, is blown open by the wind.

## **A perfect fit**



Precise adjustment.  
The latest standard  
in door strikes

# UNCOMPLICATED AND VERSATILE

THE NEW effeff DOOR STRIKE

## **“Reliable planning thanks to the multi-voltage range”**

Operating voltages from 10 to 24 volt (or 22-24 volt), DC or AC are no problem for the new door strike generation. Without any form of additional (preconnection) electronics or other aids. LTS technology also unlocks under preload even with stabilized voltage (a smooth direct current).

Even continuous duty up to 13 volt (26v) presents no problem. Thus effeff not only solves problems involved with access control systems, but also provides a high degree of no-risk planning thanks to the limited number of versions available.



## **Uncomplicated –** through and through

Universal use.  
The latest standard  
in door strikes

# THE NEW DIMENSION

## DOOR STRIKE LTS 611

### LTS – the new dimension of door strikes

#### “Simply brilliant”

The new effeff door strike series is based on a completely new technology. The door strike latch bolt no longer opens fully, but just inclines to an angle of approx. 5°. This means that the force required to open the door is transferred to a linear sliding lever that forces the lock bolt back. The greater the force required to open the door, the more powerful is the linear sliding movement. As the door strike latch bolt does not open fully, a latch bolt aperture is not required at the door jamb. There is no gap in the door seal, thus preventing heat loss and improving sound insulation.

The patented functioning considerably improves the degree of efficiency: The door strike realizes a considerably higher preload with 70% less power consumption. In other words, it opens more reliably with less power.

### Advantages at a glance:

- ▶ Completely new technology: The door strike latch bolt only opens from the initial position to an angle of approx. 5°. This means that the force required to open the door is transferred to a linear sliding lever that forces the lock bolt back.
- ▶ An attractive door, as a latch bolt aperture is no longer required at the door jamb. There is no gap in the door seal, thus preventing heat loss and improving sound insulation.
- ▶ Higher degree of efficiency: 70% less power consumption enables higher preload
- ▶ In the multivoltage range from 10 to 24 volt, DC or AC voltage, continuous fatigue strength up to 13 volt.
- ▶ In multivoltage range from 22–42 volt: Continuous fatigue strength up to 26 volt.
- ▶ Unlocking under preload with smooth AC voltage without preconnection electronics or other aids.
- ▶ Extremely quiet as virtually no intrinsic noise other than the typical noises produced during energization.
- ▶ Fine adjustment: FaFix 5 mm in 0.5 stages.
- ▶ Adjustable opening force: no dismantling of door opener and striking plate, the door setting remains the same
- ▶ 100% symmetrical shape – universal installation DIN left, DIN right or horizontal.
- ▶ Monitoring contact does not affect housing dimension.
- ▶ Integrated connection terminals – reliable connecting technology.
- ▶ Full striking plate – higher resistance against break-in (over 6.000 N)



## Why choose the LTS system striking plate?

### The advantages:

The linear door strikes are compatible with earlier versions and therefore, can be used in conventional "open" striking plates and still provide extensive improvement.

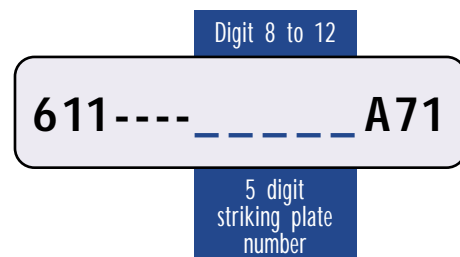
In order to make optimum use of the door strike system, the linear door strike must be combined with the striking plate of the LTS series (see Overview on Pages 9 and 10).

The 5 mm adjustable door strike latch bolt and the system striking plate provide a fully coordinated system that allows the lock bolt to glide out of the linear door strike.



### Order example:

If you decide on a door strike combined with the system striking plate, simply enter the 5 digit striking plate number next to the desired door strike on Page 9 and 10.



# TECHNICAL DATA

## DOOR STRIKE LTS 611

### The LTS 611 and its new technology

With the new door strike generation, effeff fulfills your requirements. The model 611 combines the technical advantages of the well-tried effeff standard models and optimises them. This means that you have all the important features in just a few models. The most important technical details can be found in the table below.



8

Function	Types of voltage				
	A71 (10-24V)	B71 (22-42V)	E91 (12V)	F91 (24V)	Y11 (10-16V)
Load current	●	●			●
Idle current			●	●	
Monitoring contact (RR)	○	○	○	○	
Free-wheeling diode	○	○	○	○	
Adjustable .... opening force	●	●	●	●	●
E-lever	○	○			○
eE function	● (11-13 V)	● (22-26 V)			
Locking device	○	○			
Fine adjustment – 5mm in 0.5 mm stages	●	●	●	●	●
Closed striking plate	○	○	○	○	○
Open striking plate	○	○	○	○	○
Quiet	●	●	●	●	●
Rated current	DC 12 V	280 mA		235 mA	570 mA
	DC 24 V	560 mA	120 mA		
consumption	AC 12 V	250 mA		150 mA	480 mA
	AC 24 V	500 mA	60 mA		
Preload	DC stabilized (at 12/24 V)	30 N	30 N	10 N	10 N
	AC	120 N	120 N		500 N
<small>All values subject to 10% tolerance</small>					
Operating temperature	-15 °C to +40 °C				

● = Standard, ○ = available as option

	Open striking plate	Closed striking plate*
Resistant to forcing open	4000 N	6000 N

\*Depending on striking plate used and type of profile



# LIST OF VERSIONS

**Note:**

All these door strike versions are equipped with latch bolt fixing (FaFix).

Each of these door strikes can be ordered with

- a system striking plate (See Page 9/10)

or with

- a standard striking plate (See Page 11/12).

Please complete the order number with the 5 digit striking plate number and the required DIN direction.

(4 = DIN left, 5 = DIN right).

Special striking plates and surface requirements on request.

Model types	Voltage	12VeE	24VeE	E	RR	5	Order no. without striking plate				
611 Load current	10-24 V AC/DC	●					611----	----	A7	*	
	10-24 V AC/DC	●		●			611E---	----	A7	*	
	10-24 V AC/DC	●			●		611RR--	----	A7	*	
	10-24 V AC/DC	●		●	●		611RRE-	----	A7	*	
	10-24 V DC	●			●	●	6115RR-	----	A7	*	
	10-24 V DC	●		●	●	●	6115RRE	----	A7	*	
	10-24 V DC	●		●		●	6115E--	----	A7	*	
	10-24 V DC	●				●	6115---	----	A7	*	
	22-42 V AC/DC		●					611----	----	B7	*
	22-42 V AC/DC		●	●				611E---	----	B7	*
	22-42 V AC/DC		●		●			611RR--	----	B7	*
	22-42 V AC/DC		●	●	●			611RRE-	----	B7	*
	22-42 V DC		●		●	●		6115RR-	----	B7	*
	22-42 V DC		●	●	●	●		6115RRE	----	B7	*
	22-42 V DC		●	●		●		6115E--	----	B7	*
	22-42 V DC		●			●		6115---	----	B7	*
621 With locking device	10-24 V AC/DC	●					621----	----	A7	*	
	10-24 V AC/DC	●		●			621E---	----	A7	*	
	10-24 V AC/DC	●			●		621RR--	----	A7	*	
	10-24 V AC/DC	●		●	●		621RRE-	----	A7	*	
	10-24 V DC	●			●	●	6215RR-	----	A7	*	
	10-24 V DC	●		●	●	●	6215RRE	----	A7	*	
	10-24 V DC	●		●		●	6215E--	----	A7	*	
	10-24 V DC	●				●	6215---	----	A7	*	
	22-42 V AC/DC		●					621----	----	B7	*
	22-42 V AC/DC		●	●				621E---	----	B7	*
	22-42 V AC/DC		●		●			621RR--	----	B7	*
	22-42 V AC/DC		●	●	●			621RRE-	----	B7	*
	22-42 V DC		●		●	●		6215RR-	----	B7	*
	22-42 V DC		●	●	●	●		6215RRE	----	B7	*
	22-42 V DC		●	●		●		6215E--	----	B7	*
	22-42 V DC		●			●		6215---	----	B7	*
631 Idle current	12 V DC						631----	----	E9	*	
	12 V DC				●		631RR--	----	E9	*	
	12 V DC				●	●	6315RR-	----	E9	*	
	12 V DC					●	6315---	----	E9	*	
	24 V DC						631----	----	F9	*	
	24 V DC				●		631RR--	----	F9	*	
	24 V DC				●	●	6315RR-	----	F9	*	
	24 V DC					●	6315---	----	F9	*	

**Legend:**

- E = mechanical unlocking
- eE = elect. continuous unlocking
- 5 = free wheeling diode
- RR = monitoring contact

Striking plate digits  
see top left

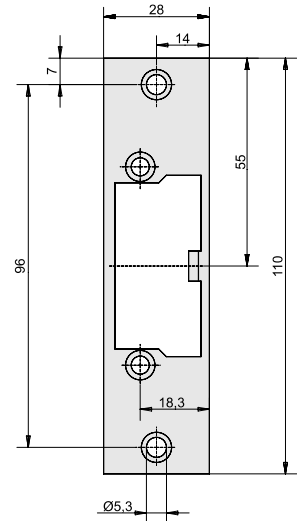
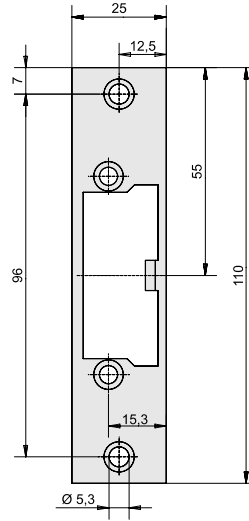
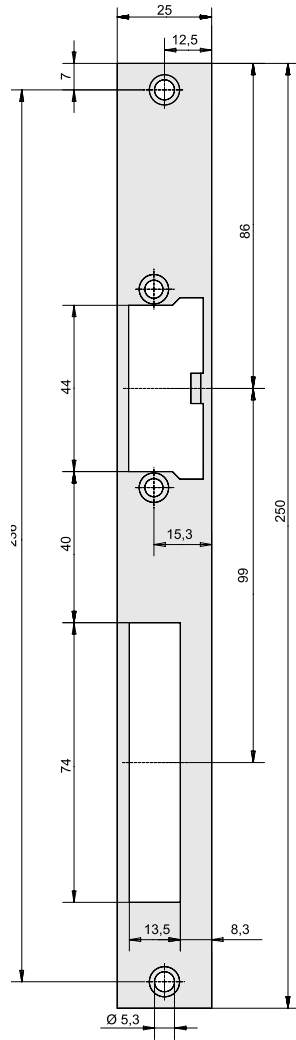
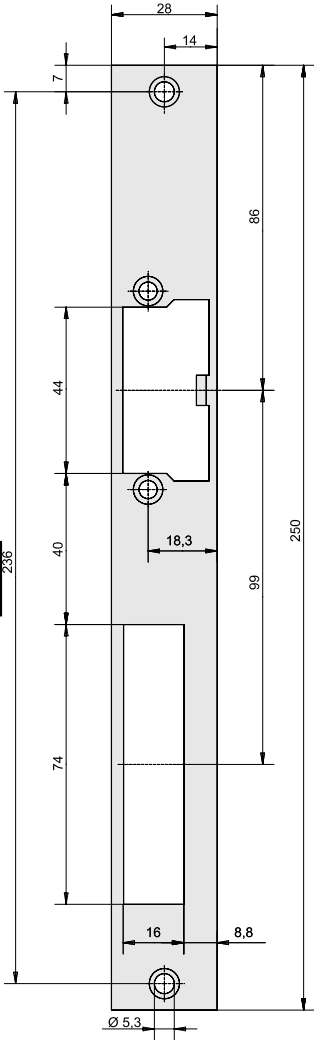
DIN direction  
1 = without striking plate  
4 = DIN left, 5 = DIN right

# STRIKING PLATES

## LTS SYSTEM STRIKING PLATES

### System striking plates for LTS 611

The LT611 can be used together with the system striking plates mentioned below.  
All LTS striking plates are manufactured from ground stainless steel (3 mm).



10

#### Flat striking plate

Ground stainless steel, universal  
28 mm wide, 250 mm long,  
3mm thick

Order No.

-----54035-01

#### Flat striking plate

Ground stainless steel, universal  
25 mm wide, 250 mm long,  
3mm thick

Order No.

-----54335-01

#### Flat striking plate

Ground stainless steel, universal  
25 mm wide, 110 mm long,  
3mm thick

Order No.

-----54435-01

#### Flat striking plate

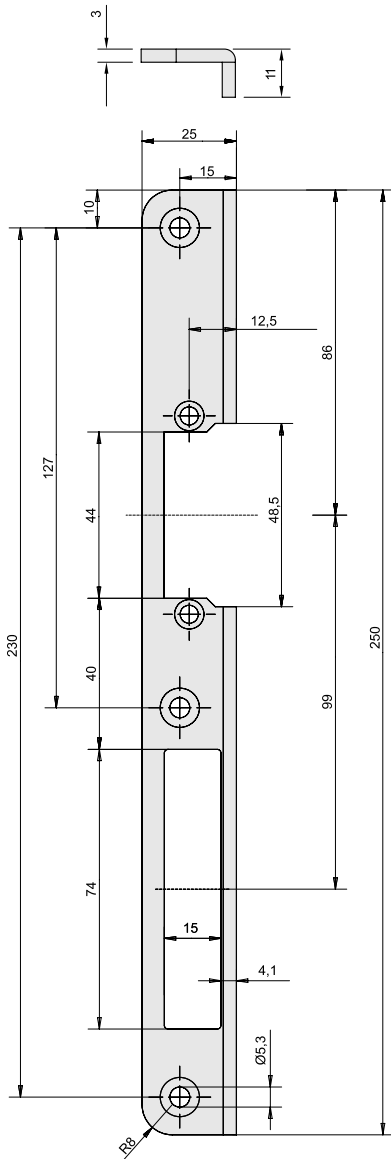
Ground stainless steel, universal  
28 mm wide, 110 mm long,  
3mm thick

Order No.

-----54535-01

# STRIKING PLATES

LTS SYSTEM STRIKING PLATES



## Angled striking plate

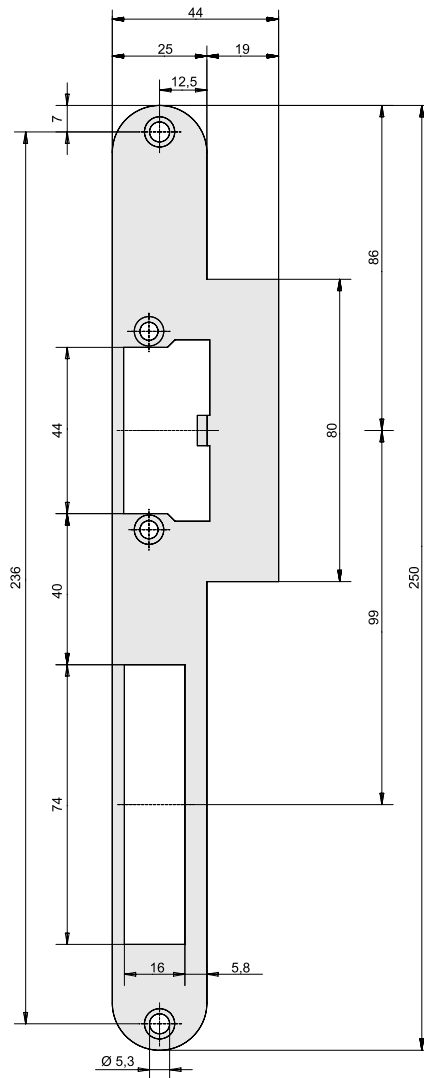
Ground stainless steel

28 mm wide, 250 mm long, 11 mm deep,  
3 mm thick

Order No.

-----54235-04 DIN left

-----54235-05 DIN right  
w/o illustration



## Flat striking plate with flanges

Ground stainless steel, universal

250 mm long, 3 mm thick,  
25/44 mm wide

Order No.

-----54135-01

# STRIKING PLATES

## LT STANDARD STRIKING PLATES

### Standard striking plates for LT 611

The LT 611 can also be used together with the following standard striking plates.

Striking plate no Digit 1-3: striking plate digit 4-5: Colour*	For further information see door strike catalogue from page ... onwards
<b>Angled striking plates, standard</b> 32435   06735   06635   27235   92341   42141   07701   08001   48835	9.02
<b>Angled striking plates, 3 mm thick, security flat striking plate</b> 277   06935   450 <sup>01</sup> / <sub>41</sub>   27835	9.06
<b>Angled striking plates, 500 mm overall length, security angled striking plate</b> 31235   826 <sup>04</sup> / <sub>41</sub>   17935	9.14
<b>Overwide angled striking plates</b> 42235   06801   16035	9.18
<b>Angled striking plates, striking plates with 280, 300 and 350 mm overall length</b> 42035   33401   46001	9.22
<b>Short angled striking plates</b> 13735   09701   38935	9.26
<b>Flat striking plates, 250 mm standard with 4 fixation holes</b> 02135   03801   011 <sup>01</sup> / <sub>02/40</sub>   00235   81440   010 <sup>01</sup> / <sub>02/40</sub>   29635   28335	10.02
<b>Flat striking plates, 250 mm standard with 2 fixation holes</b> 33835   36035   04935   38535   38140   32040   31135   33135	10.06
<b>Flat striking plates, for aluminium and plastic profiles</b> 35440	10.10
<b>Flat striking plates, with special dimensions</b> 42640   85535   35840   76940   39402	10.14
<b>Flat striking plates with radius</b> 174 <sup>01</sup> / <sub>02</sub>	10.22
<b>Short striking plates with 2 fixation holes</b> 10635   09635   12035   12302   29302   17302	11.02
<b>Short striking plates with 4 fixation holes</b> 107 <sup>02</sup> / <sub>40</sub>	11.06
<b>Flat striking plates with latch bolt guide, standard with 2 fixation holes</b> 03335   03435   85135   28240	12.02
<b>Flat striking plates with latch bolt guide and flanges, with 4 fixation holes</b> 16535   16801	12.06
<b>Short striking plates with latch bolt guide</b> 26235   28635	12.10
<b>Flat striking plates with latch bolt guide and flanges, with 2 fixation holes</b> 40540   31035   42535   03935	12.14

# STRIKING PLATES

## LT STANDARD STRIKING PLATES

### Standard striking plates for LT 612

The effeff LT version 612 for special profile requirements and for use with U-shaped striking plates.

The fixation holes are shifted 0.9 mm compared with model 611 (8.0 mm instead of 8.9 mm).

An overview of the model versions can be found in the LTS pricelist or on request.

The model 612 can be combined with the following striking plates.

<b>Striking plate number</b> Digit 1-3: striking plate digit 4-5: colour*	For further information see door strike catalogue from page... onwards
<b>Flat striking plates, for aluminium and plastic profiles</b> 35440   93635   39135	10.10

#### \* Colours and surfaces

- 01 = ducat gold
- 02 = dust grey
- 03 = ground stainless steel
- 04 = ground, zinc-plated
- 05 = yellow, chromized

### The adapter piece for LT 611/612

The 1 mm thick adapter piece can be used  
as follows:

- When an open striking plate is used that is  
thinner than 3 mm.
- With angled striking plates so that the surface-  
mounted attachment fits flush to the front edge  
of the striking plate.

With a system striking plate of the LTS series,  
the adapter piece is not required.



Order no., stainless steel

**17.700-00-54-35**

# INSTALLATION SITUATIONS

## PROFILE OVERVIEW

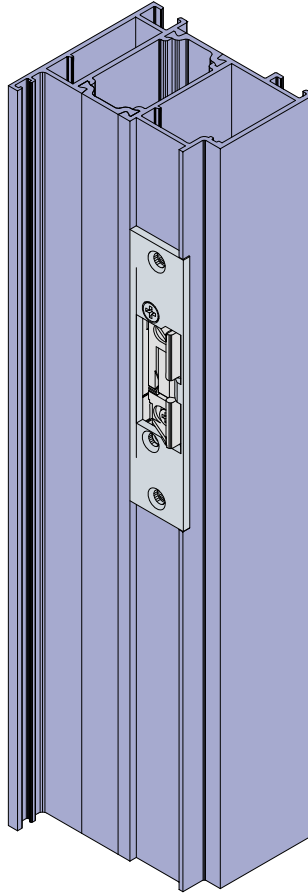
### Profile overview

The following illustrations are examples of different standard installation situations for our LT(S) 611.

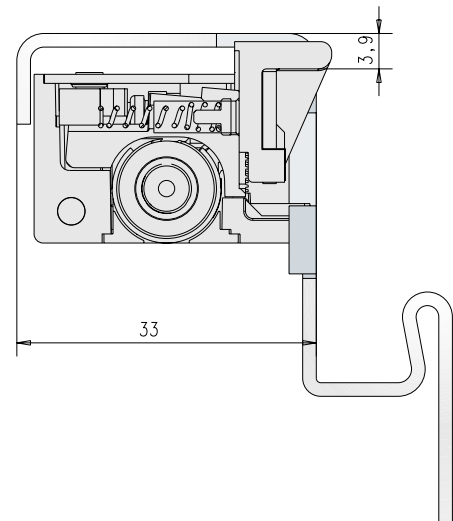
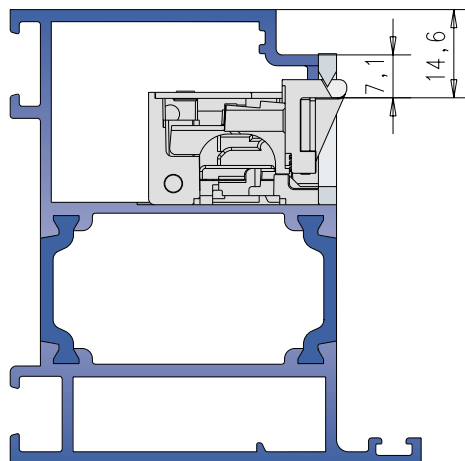
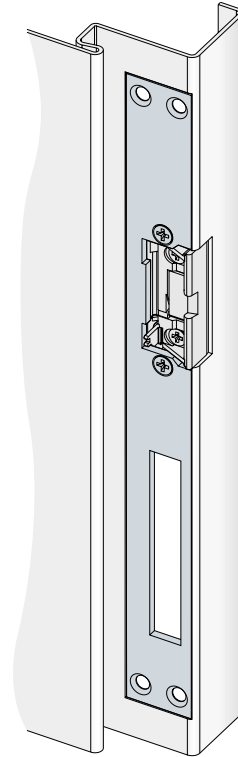
We will be glad to check whether the 611 is suitable for your profile. Just send us a dxf-drawing and we will adjust the installation dimensions of the 611 accordingly.

Please contact: [support@effeff.com](mailto:support@effeff.com)

### Aluminium profile



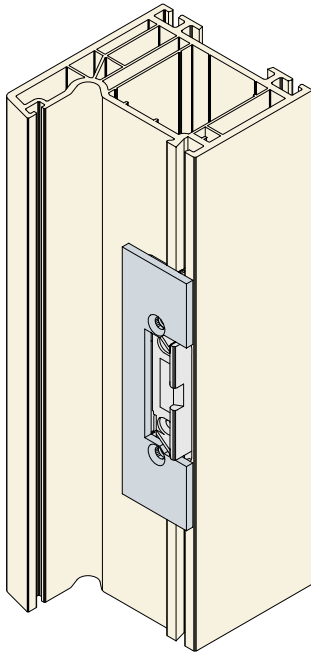
### Steel profile



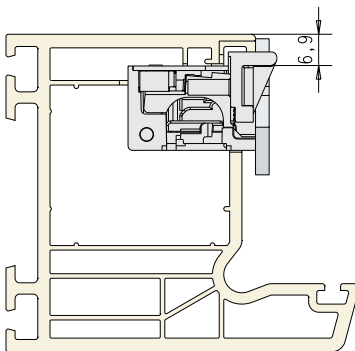
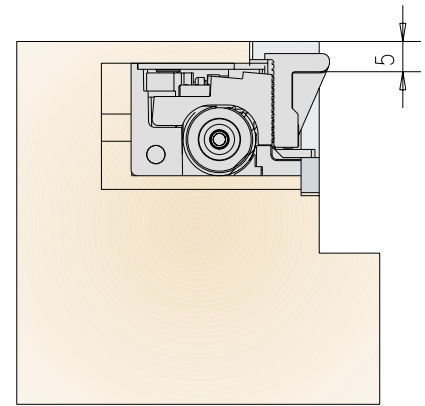
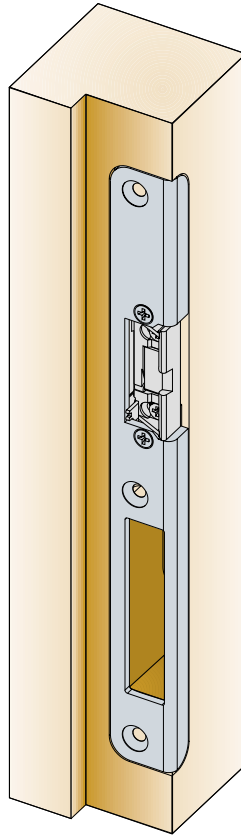
# INSTALLATION SITUATIONS

## PROFILE OVERVIEW

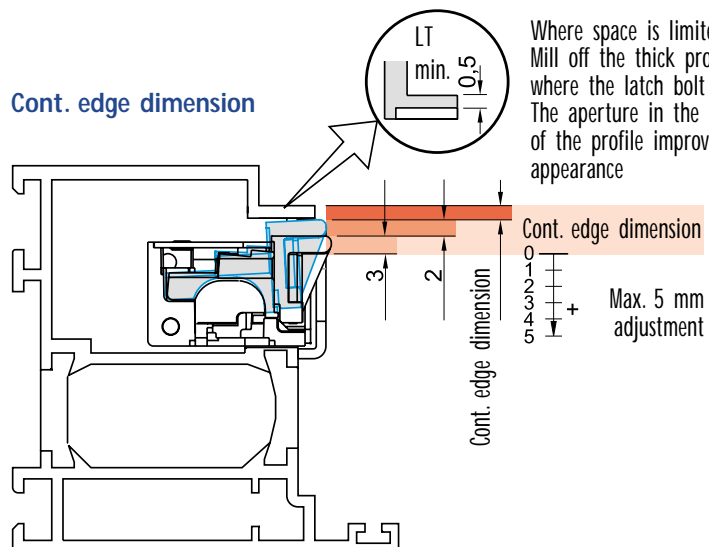
Plastic profile



Wood profile



Cont. edge dimension

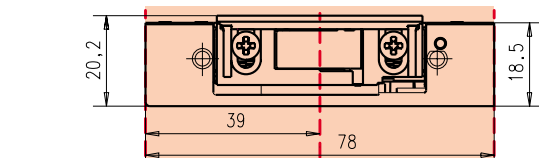


LTS: Cont. edge dimension from 7.2 mm upwards + desired adjustment  
 LT: Cont. edge dimension from 5.5 mm upwards + desired adjustment

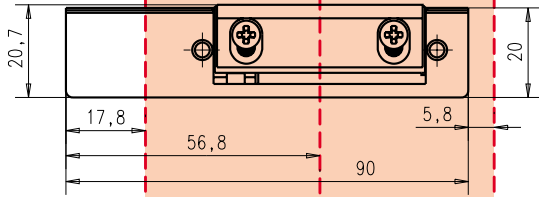
# COMPARISON

## COMPARISON LT 611

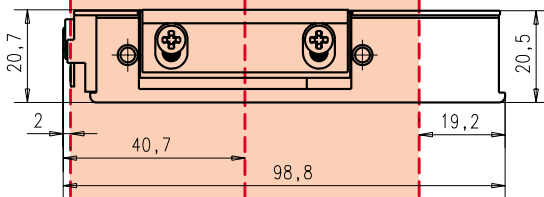
### Housing dimensions



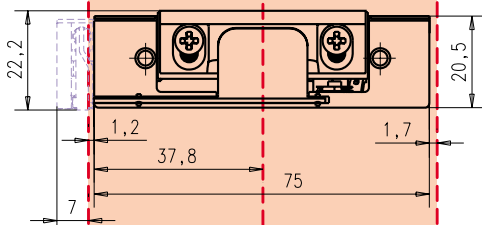
**Model LT 611**



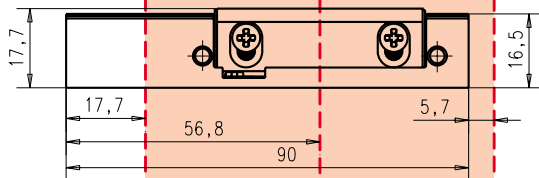
**Model I4 FF  
DIN left**



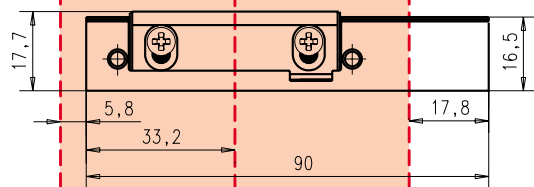
**Model I4 FF  
DIN right**



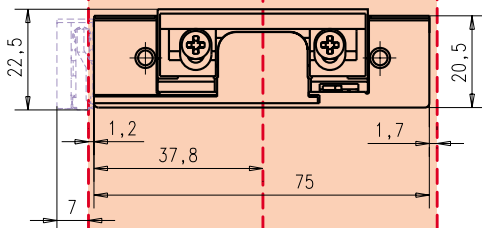
**Model I7**



**Model II9  
DIN left**



**Model II9  
DIN right**



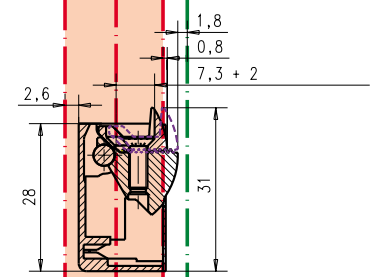
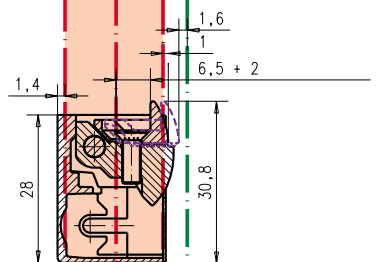
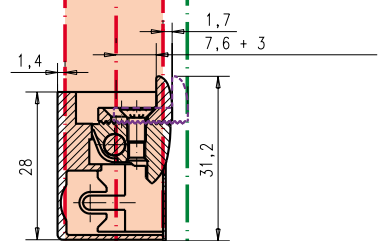
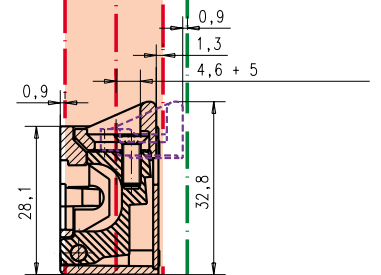
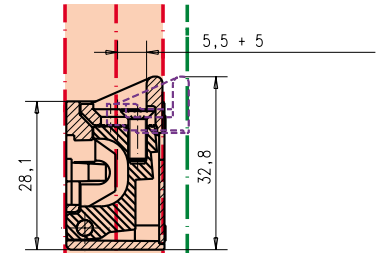
**Model II6**

Center of the keeper

### Installation dimension

#### Strike locked

Fafix-Adjustment LT 611 (max.)

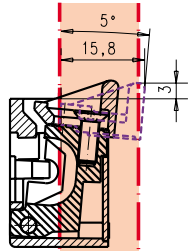


Center of the fixing borings

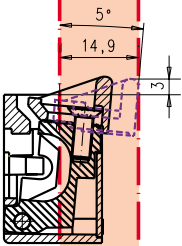


# COMPARISON

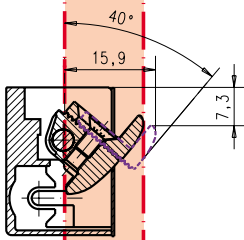
Keeper opened



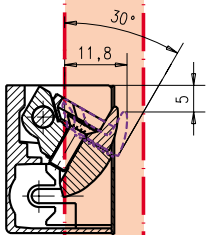
Model LT 6II



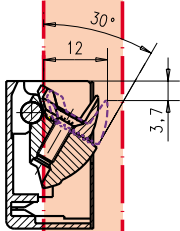
Model 6I2



Model I7



Model II6

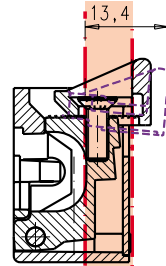


Model II9

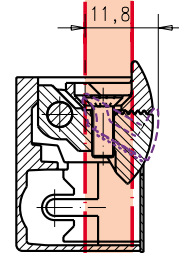
Center of the fixing borings

Installation situation

at the same depth of engagement of the keeper



Model LT 6II



Model II6

Center of the fixing borings

Gâches électriques

A p r i o r t a e l e t t r i c i

# Elektro-Türöffner

Electric strikes

Cerraderos eléctricos

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2.1901-070 06001