

## **3b**

236 Roses

242 Backplates

250 Kick plates and finger plates

# Overview

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3b

**It was in the 1920s and in the Bauhaus period,** as a plethora of classic door handle designs were created, that designers first consciously thought about the shape and fixing of roses and backplates, as for the Gropius handle with its visibly screwed, angular roses. With its matchless range of shapes, materials and technical variants, or even the flush versions, FSB can offer almost unrestricted options for individual and exclusive combinations of fittings.

# Technical information

## Roses and backplates

### Flush roses and fittings

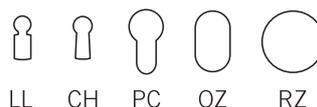
FSB has added to its flush fittings with a bearing function with flush roses for standard doors (door thicknesses 38 – 44 mm): 17 1736/1737. These separately available roses are also a convincing solution for standard doors both aesthetically and for installation, which was previously the reserve of doors with a thickness of 45 mm and above. With this precision solution it is possible to completely avoid the use of adhesives as practised by some competitors in the market. For details of this, please see our system brochure “Flush fittings from FSB”, which we are happy to send to you free of charge. As another aesthetic option, we also offer cut backplates and roses – see page 241 ff.

### Fundamentals

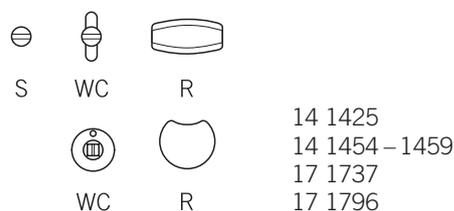
Doors are pushed and pulled. Both forces have to be supported if a door handle set is to continue to function in the long term. Backplates and roses provide this supporting function. This is why it is so important that they are correctly fitted. All of the backplates and roses offered by FSB have a 7 mm wide bushing made of indestructible black plastic. The backplates and roses are also equipped with strong supporting lugs. As the door handle set and its accessories have to harmonise with the associated locks, it is important to note the following special aspects when ordering:

### Keyholes

Unless otherwise specified, we supply backplates and roses with LL keyholes.



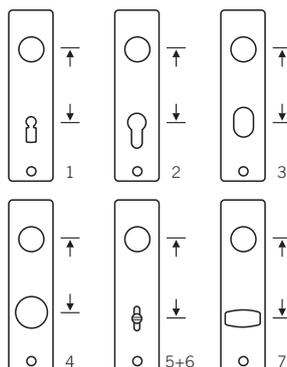
### Bathroom/WC versions



### Hole spacings

The standard hole spacing for room door backplates is 72 mm (LL, CH and PC), for bathroom door backplates 78 mm and for entrance door backplates 92 mm (LL, CH and PC). The spacings are measured as follows:

1. Warded and Chubb  
Nut centre to centre of key stem
2. Euro profile cylinder  
Nut centre to centre of cylinder core
3. Oval cylinder  
Nut centre to centre of oval cylinder
4. Round cylinder  
Nut centre to centre of round cylinder
5. Emergency release  
Nut centre to centre of emergency release
6. WC  
Nut centre to centre of emergency release with indicator
7. Locking knob  
Nut centre to centre of locking knob



FSB bathroom/WC versions have a knob (R) on the inside and an emergency release with an indicator (WC) on the outside. Using a coin, the lock can be opened from outside. On request, the indicator can be omitted (S). For old peoples' homes and kindergartens a stronger emergency release is offered.

### Keyholes and Bathroom/WC versions

**72 .... 2.. | 76 .... 2..**  
(commercial version, flush)  
LL and PC  
Other holes and PC spacings on request.  
Bathroom/WC versions according to the bathroom rose fittings specifically for the door handle (see door handle chapter).

**17 1736 | 17 1737**  
(standard version, flush)  
LL, PC, WC, R  
Other holes and PC spacings on request.

**17 1731 | 17 1735 | 17 1735 00054 | 17 1735 06054**  
LL, CH, PC, OZ, RZ and without holes

**17 1703 | 17 1704 | 17 1704 00054**  
LL, CH, PC, OZ, RZ and without holes

**17 1795 | 17 1796 | 14 1454 – 1459**  
LL, PC, WC, R

**14 1402 | 14 1410 | 14 1445 | 14 1415 | 14 1418 | 14 1445 | 14 1486**  
LL, CH, PC, OZ, RZ, S, WC, R

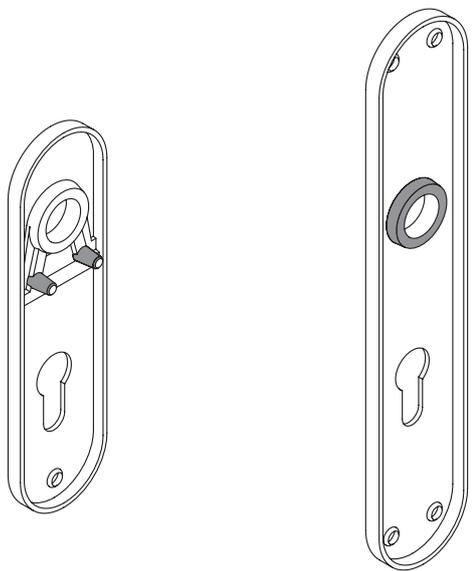
**14 1410 | 14 1407 | 14 1450 | 14 1452 | 14 1451 | 14 1453 | 14 1418 | 14 1488**  
LL, CH, PC, OZ, S, WC, R

**14 1433**  
LL, PC, S, WC, R

**Backplates with visible screws**

Apart from a visible screw to fix the backplate, standard short backplates with visible screw fixings have two supporting lugs beneath the door handle bushing, which prevent sideways movement on the surface of the door. Standard length backplates are fixed to the door with four visible screws. The screw holes are suitable for 3.9 mm countersunk screws.

Both types of backplate have a glass fibre reinforced plastic door handle bushing designed as a plain bearing.

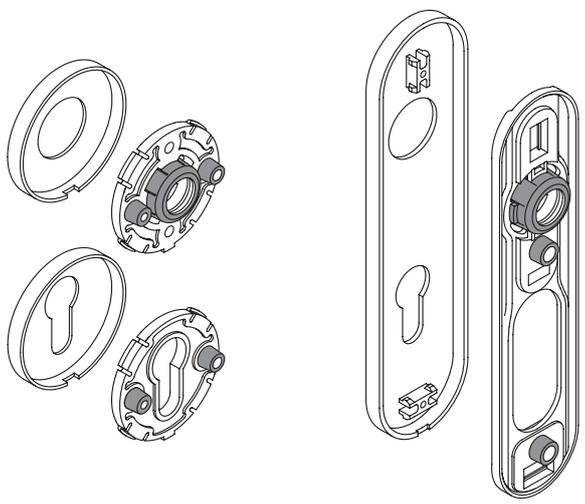


**Rose with invisible fixing**

The metal covering caps sit on a plastic base with two supporting lugs in the attachment area. Fixing hole spacing 38 mm.

**Short, long and wide backplates with invisible fixing**

Short, long and wide backplates with invisible fixing have a base comparable to the roses made of glass fibre reinforced plastic. FSB door fittings are generally to be installed with especially matched FSB accessories. Door handles are held captive (plain bearing) both in the standard and in the commercial version (wide backplates are only available in the commercial version). For more information on this, please see page 27.



**Fixing types**  
**17 1795 | 17 1796**  
**14 1454 – 1459**

Invisible on one side: Screw fixing via stainless steel threaded sleeves welded on the other side, with a supporting function, stainless steel crosshead screws.

Visible on both sides: Screw fixing with crosshead sheet metal screws made of stainless steel



# Flush fittings

## Door thicknesses from 45 mm

For technical information see page 234 f.



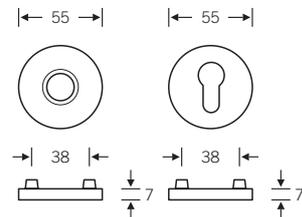
72 .... 2..   
76 .... 2.. 

 72 .... 2..  
 76 .... 2..

+ Model number of the door handle  
+ Type of fitting:  
213 (R) | 214 (L) Door handle fitting  
215 (R) | 216 (L) Entrance door fitting  
with knob 08 0802  
217 (R) | 218 (L) Entrance door fitting  
with knob 08 0829  
219 (R) | 220 (L) WC fitting\*

Door handle & rose fittings are held captive, turning in Teflon-coated metal bushings with a function to compensate for tolerances (AGL®, 72) or are held captive in bushings for fire doors (FS 76), prepared for flush installation, removable, only in combination with roses 17 1731/1735.

For door thicknesses from 45 mm  
Spacing 72 + 92 mm



### Technical requirements:

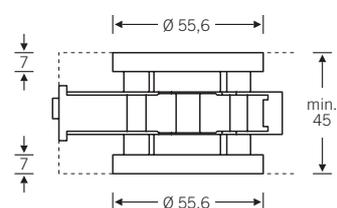
The door must be at least 45 mm thick. For rebated doors, note the location of the cutout for the lock body. Use FSB's standard template 03 0455 on both sides when drilling the fixing holes. This must be routed 7 mm deep with a  $\varnothing$  of 55.6 mm centred on the latch follower (spindle hole). To accommodate and fix the lugs, drill 9 mm  $\varnothing$  holes (38 mm spacing) with a minimum depth of 7 mm. When routing the door to take the roses, the FSB 03 0462 template should be used. The thickness left between the base of the routed hole and the surface of the lock must be strong enough, that it can be

screwed in place without applying pressure on the lock. Assembly: Push the two parts of the fitting together with the latching mechanism so that they are connected and then tighten the rose on the side with a hole with a separate screwdriver.

### Ordering details:

- AGL®, AGL® FS or FS fitting
- Model of door handle
- Material/finish
- Door thickness
- Quantity
- Knob model (only for entrance door fittings)

### Routing:



For more information:  
[fsb.de/flush](http://fsb.de/flush)

\* WC fitting not in fire door version

# Flush roses

Door thicknesses 38–44 mm

For technical information see page 234f.



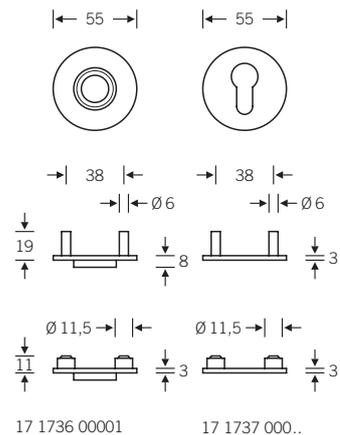
17 1736   
 17 1737 

☞ 17 1736 00001  
 17 1737 000..

+ Type of hole:  
 02 (LL)  
 10 (PC)  
 54 (R/WC 8 mm)  
 88 (R/WC 7 mm)

Pairs of door handle and key roses for flush installation, can only be combined with specially prepared pairs of FSB door handles, the door handles and roses are removable.

For door thicknesses 38–44 mm  
 Spacing 72 mm



## Technical requirements:

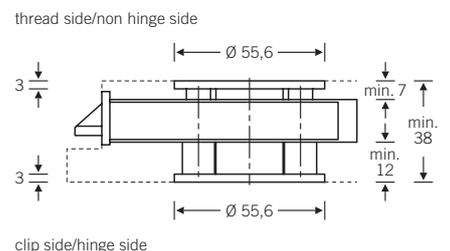
The door must be between 38 and 44 mm thick. Please note the location of the cutout for the lock body. To drill the fixing holes on each side, use the standard FSB drilling template 03 0455. Then, on the clip side (= hinge side) drill out the holes for the door handle and key roses to a  $\varnothing$  of 12 mm and a depth of 12 mm. When routing the door to take the roses, you should use the routing template FSB 03 0462. Please note that in contrast to the flush fittings (for doors from 45 mm thick) you may only rout to a depth of 3 mm. Rout with a  $\varnothing$  of 55.6 mm centred on the latch follower (spindle hole). The thickness left between

the base of the routed hole and the surface of the lock must be strong enough, that it can be screwed in place without applying pressure on the lock.

## Ordering details:

- Model of door handle
- Material/finish
- Quantity
- Door direction of opening to DIN (for rebated doors in combination with asymmetrical door handles)

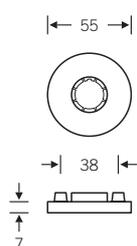
## Routing:



For more information:  
[fsb.de/flush](http://fsb.de/flush)

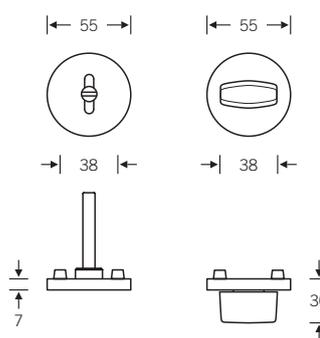
## 17 1731 | 17 1743

17 1731 01801 (with lugs)  
17 1743 01801 (without lugs)



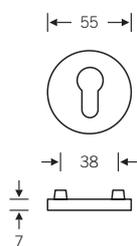
## 17 1735 | 17 1744

17 1735 00054 (with lugs)  
17 1744 00054 (without lugs)



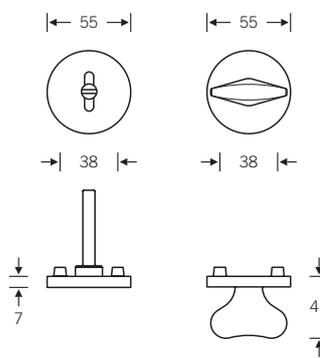
## 17 1735 | 17 1744

17 1735 (with lugs)  
17 1744 (without lugs)



## 17 1735 | 17 1744

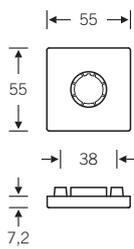
17 1735 06054 (with lugs)  
17 1744 06054 (without lugs)



[fsb.de/171731](http://fsb.de/171731)  
[fsb.de/171743](http://fsb.de/171743)  
[fsb.de/171735](http://fsb.de/171735)  
[fsb.de/171744](http://fsb.de/171744)

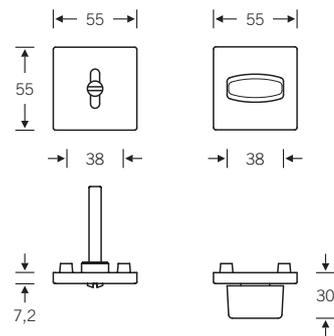
17 1703 | 17 1711 

17 1703 01801 (with lugs)  
17 1711 01801 (without lugs)



17 1704 | 17 1712 

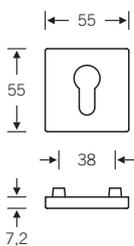
17 1704 00054 (with lugs)  
17 1712 00054 (without lugs)



3b

17 1704 | 17 1712 

17 1704 (with lugs)  
17 1712 (without lugs)



[fsb.de/171703](http://fsb.de/171703)  
[fsb.de/171711](http://fsb.de/171711)  
[fsb.de/171704](http://fsb.de/171704)  
[fsb.de/171712](http://fsb.de/171712)

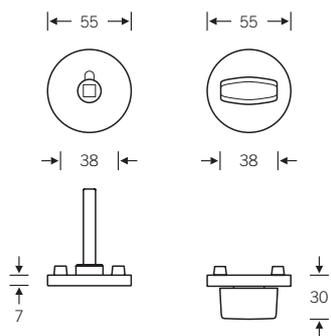
# Emergency release for special circumstances

For technical information see page 234 f.

17 1735 | 17 1744



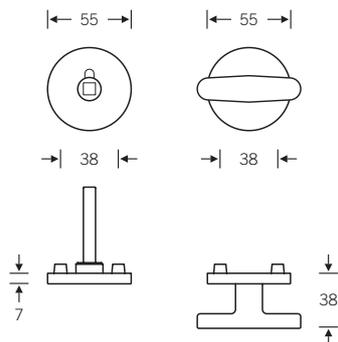
17 1735 07654 (with lugs)  
17 1744 07654 (without lugs)



17 1732



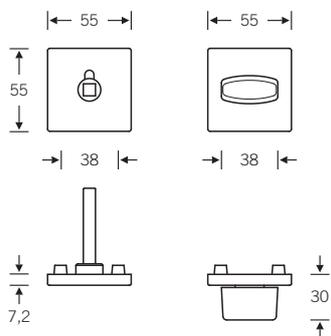
17 1732 00054 (with lugs)\*  
through screw fixings



17 1704 | 17 1712



17 1704 07654 (with lugs)  
17 1712 07654 (without lugs)



fsb.de/171735  
fsb.de/171744  
fsb.de/171732  
fsb.de/171704  
fsb.de/171712

\* Ergonomically optimised for one-handed use. If needed, the emergency release from 17 1732 can also be offered on backplates. Please enquire.

34 3464 key for emergency release



## 17 1795 ■

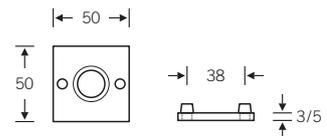


17 1795 001 (3 mm material thickness)  
17 1795 011 (5 mm material thickness)  
screws visible on both sides

17 1795 002 (3 mm material thickness)  
17 1795 012 (5 mm material thickness)  
screws invisible on one side

With stainless steel supporting lugs  
Screw hole spacing 38 mm  
Corner radius 2 mm

Illustration:  
3 mm material thickness, screws visible on both sides, with stainless steel spacer ring, versions with captive door handles are possible, please specify the required FSB door handle model when ordering.



## 17 1796 ■

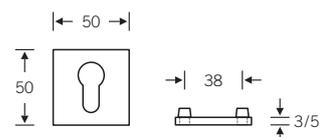


17 1796 001 (3 mm material thickness)  
17 1796 011 (5 mm material thickness)  
screws visible on both sides

17 1796 002 (3 mm material thickness)  
17 1796 012 (5 mm material thickness)  
screws invisible on one side

With stainless steel supporting lugs  
Screw hole spacing 38 mm  
Corner radius 2 mm

Illustration:  
3 mm material thickness, screw fixings invisible on one side, PC hole



[fsb.de/171795](http://fsb.de/171795)  
[fsb.de/171796](http://fsb.de/171796)

## 14 145. ■



14 1454 ... (rectangular 35 x 185 mm)  
 14 1456 ... (rectangular 35 x 210 mm)  
 14 1458 ... (rectangular 35 x 245 mm)

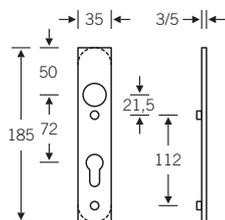
14 1455 ... (round 35 x 185 mm)  
 14 1457 ... (round 35 x 210 mm)  
 14 1459 ... (round 35 x 245 mm)

001 (material thickness 3 mm)  
 011 (material thickness 5 mm)  
 Screws visible on both sides

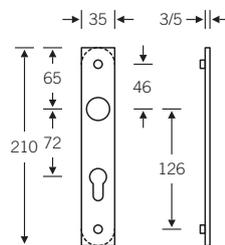
002 (material thickness 3 mm)  
 012 (material thickness 5 mm)  
 Screws invisible on one side

Illustration left:  
 5 mm material thickness, screws visible on both sides, door handle bushing made of glass fibre reinforced plastic

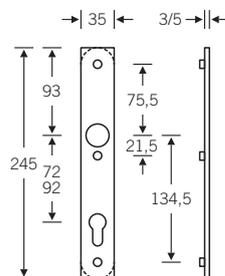
Illustration right:  
 3 mm material thickness, screw fixings invisible on one side, with stainless steel spacer ring



14 1454 ... (rectangular)  
 14 1455 ... (round)



14 1456 ... (rectangular)  
 14 1457 ... (round)



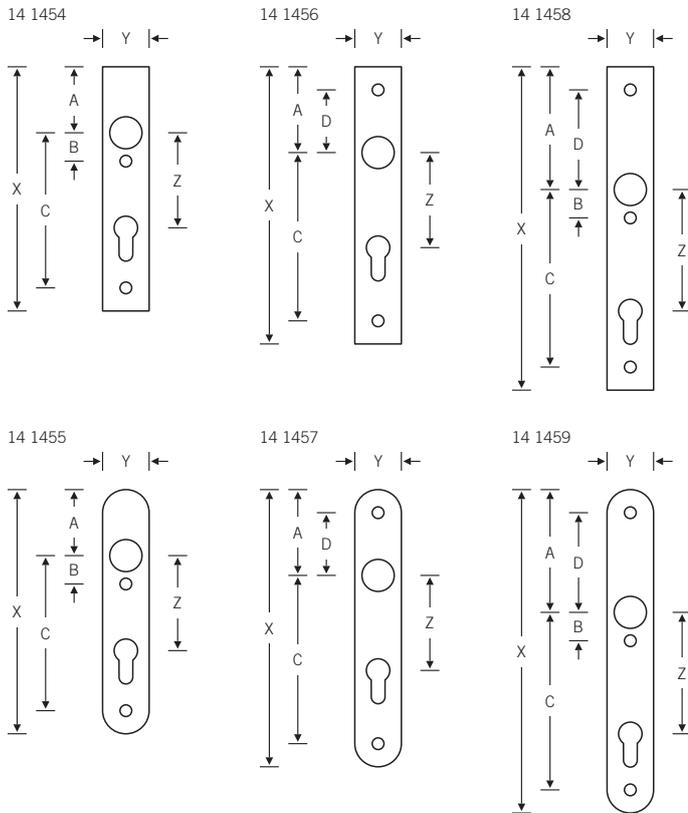
14 1458 ... (rectangular)  
 14 1459 ... (round)

[fsb.de/141454](http://fsb.de/141454)  
[fsb.de/141456](http://fsb.de/141456)  
[fsb.de/141458](http://fsb.de/141458)

[fsb.de/141455](http://fsb.de/141455)  
[fsb.de/141457](http://fsb.de/141457)  
[fsb.de/141459](http://fsb.de/141459)

14 145. ■

Fax form for custom manufacture of cut backplates with stainless steel supporting lugs (please configure in the table, using the adjacent illustrations)



Standard versions, rectangular:

- 14 1454 (rectangular, 35 x 185 mm)
- 14 1456 (rectangular, 35 x 210 mm)
- 14 1458 (rectangular, 35 x 245 mm)

Standard versions, round:

- 14 1455 (round, 35 x 185 mm)
- 14 1457 (round, 35 x 210 mm)
- 14 1459 (round, 35 x 245 mm)

3b

	14 1454	14 1456	14 1458	14 1455	14 1457	14 1459
Backplate thickness	<input type="checkbox"/> 3 mm <input type="checkbox"/> 5 mm					
Door thickness						
Length X						
Width Y						
Dimension A						
Dimension B						
Dimension C						
Dimension D						
Spacing Z						
Holes						
Screw fixings (visibility)	<input type="checkbox"/> one side <input type="checkbox"/> both sides					
Handle bearing	<input type="checkbox"/> loose <input type="checkbox"/> captive*					

\* only for screw fixings visible one one side only

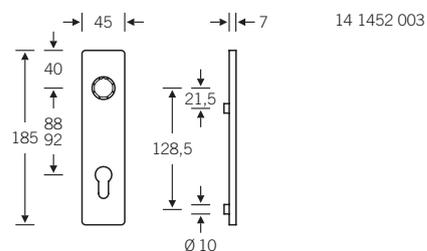
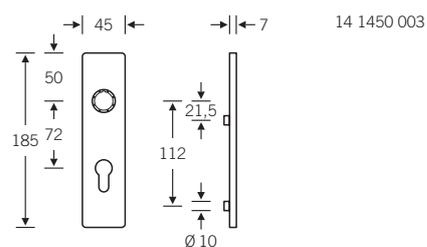
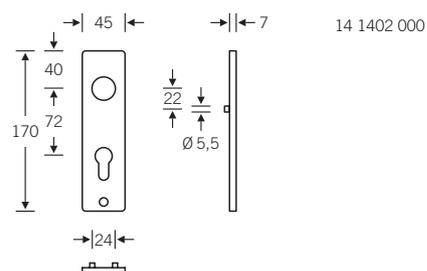
- 14 1402 
- 14 1450 
- 14 1452 

14 1402 000 (screws visible)  
Spacing 72 mm

14 1450 003 (screws invisible)  
Spacing 72 mm

14 1452 003 (screws invisible)  
Spacing 88 + 92 mm

For drilling templates see page 643



fsb.de/141402  
fsb.de/141450  
fsb.de/141452

For holes see page 234

14 1410   
 14 1407   
 14 1445 

14 1410 000 (screws visible)\*  
 spacing 72 + 88 + 92 mm

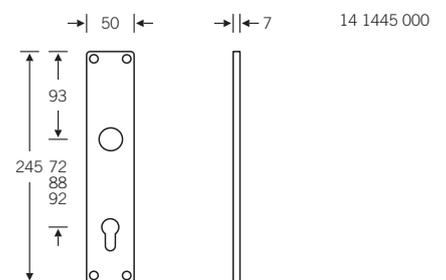
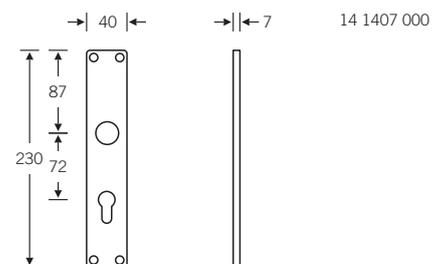
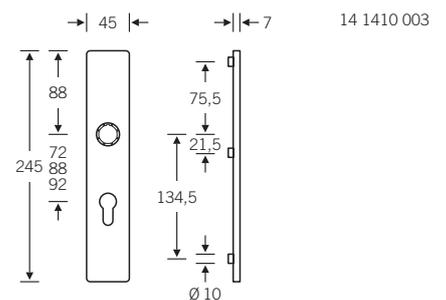
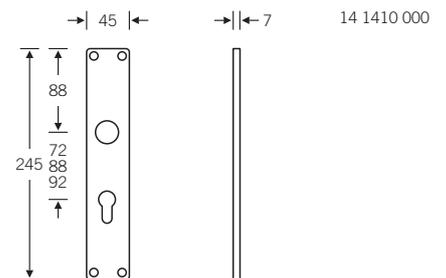
14 1410 003 (screws invisible)  
 Spacing 72 + 88 + 92 mm

14 1407 000 (screws visible)  
 Spacing 72 mm

14 1445 000 (screws visible)  
 spacing 72 + 88 + 92 mm

For drilling templates see page 644

3b



fsb.de/141410  
 fsb.de/141407  
 fsb.de/141445

For holes see page 234

\* not in bronze

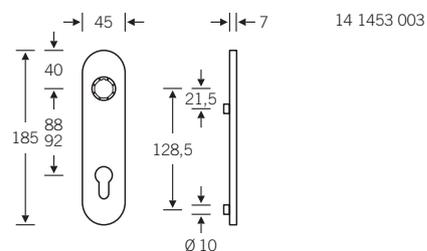
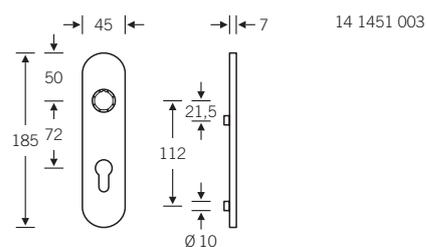
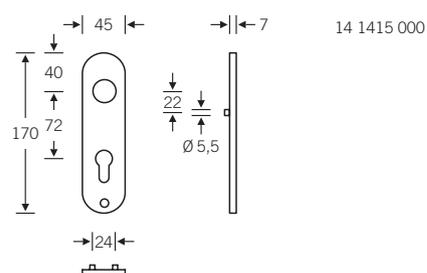
- 14 1415 
- 14 1451 
- 14 1453 

14 1415 000 (screws visible)  
spacing 72 mm

14 1451 003 (screws invisible)  
spacing 72 mm

14 1453 003 (screws invisible)  
spacing 88 + 92 mm

For drilling templates see page 643



fsb.de/141415  
fsb.de/141451  
fsb.de/141453

For holes see page 234

14 1418 

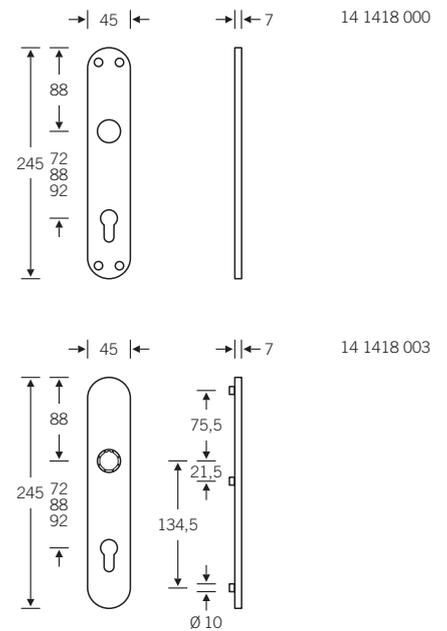
14 1418 000 (screws visible)\*  
spacing 72 + 88 + 92 mm

14 1418 003 (screws invisible)  
spacing 72 + 88 + 92 mm

For drilling templates see page 644



3b



[fsb.de/141418](http://fsb.de/141418)

For holes see page 234

\* 10 mm not in brass or bronze

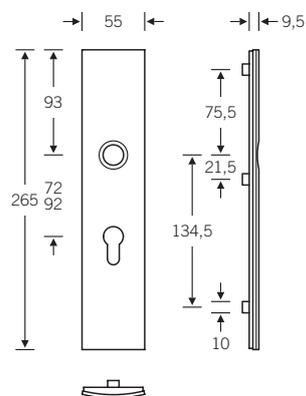
14 1433 

14 1433 003 (screws invisible)  
spacing 72 + 92 mm

The FSB 14 1433 backplate was especially developed for renovations, with its width of 55 mm it is ideal to conceal the traces of the old fittings on the door.

Together with its black base, this lightly bowed backplate is invisibly screwed to the door and seems to float.

For drilling template 03 0476 see page 644



# Wide backplates

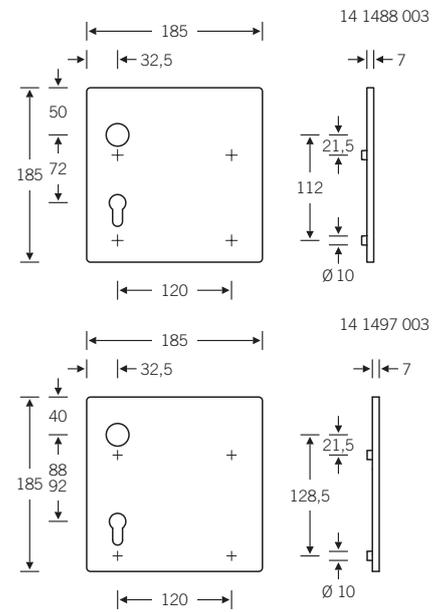
Corner radius 4 mm

For technical information see page 234 f.

14 1488 | 14 1497 

14 1488 003 (screws invisible)  
14 1497 003 (screws invisible)

Corner radius 4 mm

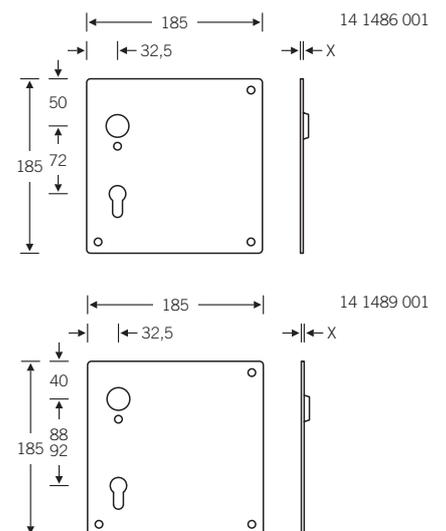


3b

14 1486 | 14 1489 

14 1486 001 (screws visible)  
14 1489 001 (screws visible)

Aluminium X = 3 mm  
Stainless steel X = 2 mm  
Corner radius 4 mm



[fsb.de/141488](http://fsb.de/141488)  
[fsb.de/141497](http://fsb.de/141497)  
[fsb.de/141486](http://fsb.de/141486)  
[fsb.de/141489](http://fsb.de/141489)

For holes see page 234  
For drilling templates see page 644

# Kick plates and finger plates

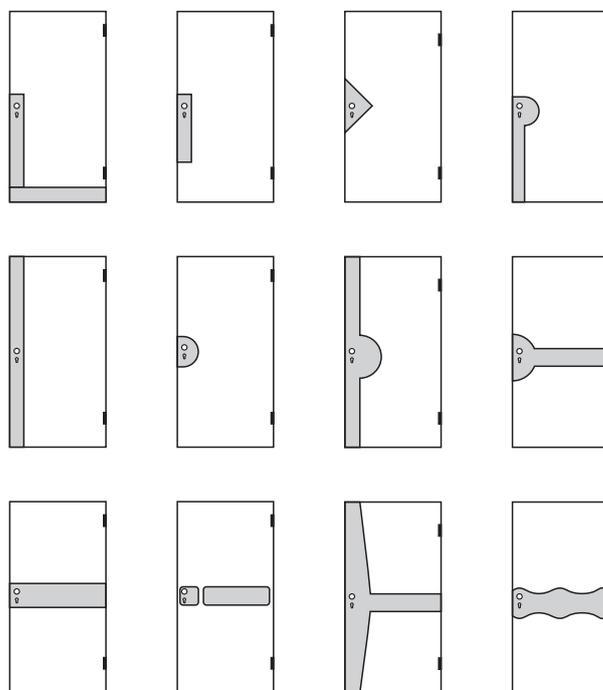
## Kick plates and finger plates

To prevent soiling and damage to doors, FSB offers finger plates for areas where hands touch the door and kick plates for areas where feet touch the door.

Kick plates and finger plates are made in aluminium and stainless steel in a variety of thicknesses.

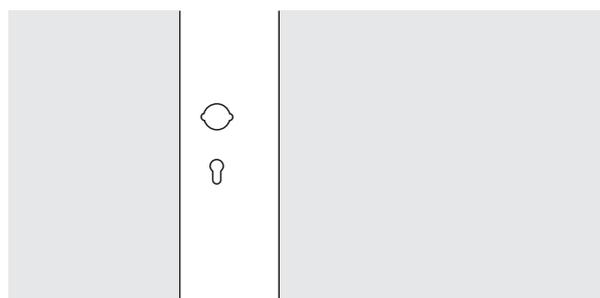
## With and without screw holes

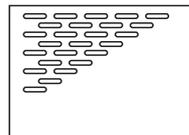
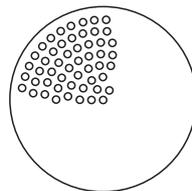
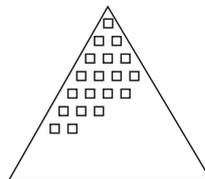
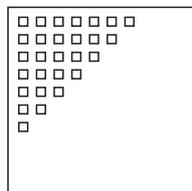
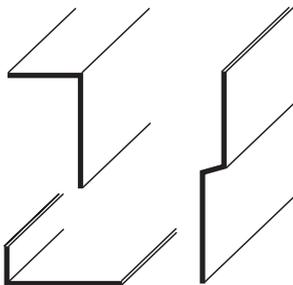
As standard for assembly, the FSB kick plates and finger plates have countersunk holes suitable for 3 mm countersunk screws. When expressly requested by the customer, kick plates and finger plates can also be made and supplied without screw holes, but with a self-adhesive film. To fit plates like this the user must be very experienced and must be very careful. Above all, the surface of the door must be perfectly smooth, free from grease and clean prior to application.



## Cutouts

Finger plates are generally prepared to take roses and backplates. By default, FSB supplies finger plates with punched out cutouts for the door handle roses and with a punched out PC hole for a Euro cylinder.





**Fold overs**

Fold overs are possible for kick plates and finger plates. For proper manufacture an exactly dimensioned drawing must be supplied which shows the tolerances to be expected in the construction.

In no detailed, dimensioned drawing is supplied, FSB will consider the dimensions specified as internal dimensions for simple bends. This applies especially for doors with a rebate.

**Shapes**

Many variants of finger plates and kick plates are possible. Basically, all of the classical shapes of squares, circles and rectangles can be used.

FSB simply appeals to the designer's imagination and is happy to supply quotations after receiving dimensioned sketches.

FSB can use drawings supplied in .dxf or .dwg format directly.

**Risk of injury**

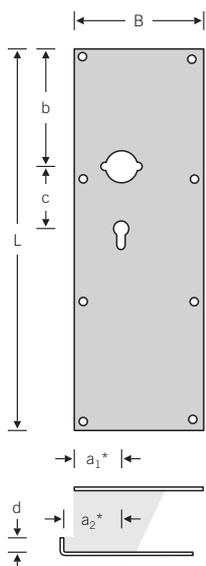
Kick plates, ventilation plates, ventilation grilles, ventilation cladding and perforated sheets are made of thin, sharp-edged material.

During installation, care should be taken to ensure that the material is clean and makes good contact, with no gaps. We would ask you to be extremely careful when unpacking, installing, checking the seating and subsequent use. Improper handling – even during cleaning work – can lead to injuries.

All illustrations to the right  
 Drawings are for right-hand doors (to DIN)  
 Plate with rebate to the right  
 Plate without rebate to the left

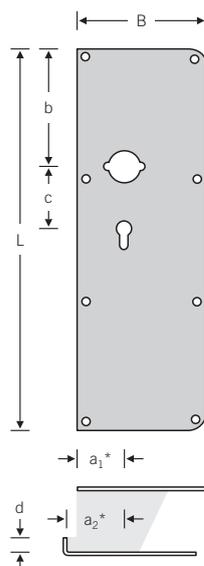
## 51 5300 | 51 5310

51 5300 (without rebate)  
 51 5310 (with rebate)



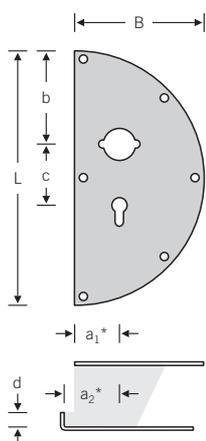
## 51 5320 | 51 5330

51 5320 (without rebate)  
 51 5330 (with rebate)



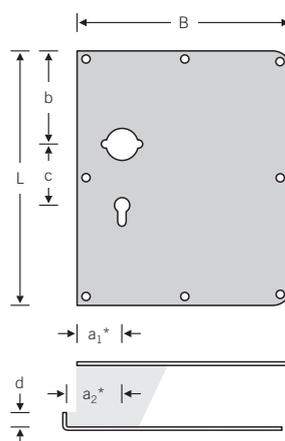
## 51 5340 | 51 5350

51 5340 (without rebate)  
 51 5350 (with rebate)



## 51 5360 | 51 5370

51 5360 (without rebate)  
 51 5370 (with rebate)



[fsb.de/515300](http://fsb.de/515300)  
[fsb.de/515310](http://fsb.de/515310)  
[fsb.de/515340](http://fsb.de/515340)  
[fsb.de/515350](http://fsb.de/515350)

[fsb.de/515320](http://fsb.de/515320)  
[fsb.de/515330](http://fsb.de/515330)  
[fsb.de/515360](http://fsb.de/515360)  
[fsb.de/515370](http://fsb.de/515370)

**Cutouts**

Finger plates can be prepared with cutouts to take roses or backplates. The version required must be exactly described for this. It is simplest if the roses or backplates to be used are specified via their order numbers. The adjacent versions are conceivable:

**Version 1**

Door handle rose at top (e.g. 17 1731), punched out keyhole at bottom (e.g. PC)

**Version 2**

Door handle rose at top, key rose at bottom (e.g. 17 1731, 17 1735)

**Version 3**

Backplate with visible screws (e.g. 14 1402)

**Version 4**

Backplate with invisible screws (e.g. 14 1450)

**Other versions**

On request, FSB can produce other shapes of finger plate by nibbling or by laser cutting. Please send us your dimensioned sketch. We will produce our own drawing and provide you with a quotation. FSB can use drawings supplied in .dxf or .dwg format directly.

Quantity	No.	right left	L length mm	B width mm	a <sub>1</sub> * backset mm	a <sub>2</sub> * backset mm	b spacing mm	c keyhole spacing mm	d Width of fold/ inner dim. of rebate mm	Cutout versions with details of order numbers for roses and backplates used				Holes		
										1	2	3	4	LL	PC	

\* Please note: For rebated doors, when ordering finger plates depending on the side of the door and the width of the rebate, specific backsets a<sub>1</sub> and a<sub>2</sub> must be specified.

Our experience is that just specifying the lock's backset is not sufficient. According to DIN 18 101 (rebated doors for domestic premises) you can presume a rebate width of 13 mm. a<sub>2</sub> can be calculated by adding the backset a<sub>1</sub> + width of the rebate.

If there is any doubt, we do however recommend checking this with a measurement. For doors without a rebate, it is not necessary to specify dimension a<sub>2</sub> as it is the same as a<sub>1</sub>.

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51 522. 

17 51 5222 (1 mm sheet thickness)  
17 51 5223 (1.5 mm sheet thickness)  
17 51 5224 (2 mm sheet thickness)

Bronze: only available in 1 mm sheet thickness and with a maximum sheet size of 2000 x 300 mm



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[fsb.de/515222](http://fsb.de/515222)  
[fsb.de/515223](http://fsb.de/515223)  
[fsb.de/515224](http://fsb.de/515224)

Painted versions of kick plates are not available.