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72 8.. 
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Finger plates, kick plates 
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FSB 1144, Design: Jasper Morrison, flush design with WC bolt, see page 270

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

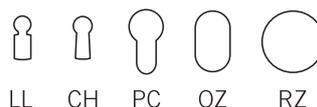
FSB has added to its flush fittings with a bearing function with flush roses for standard doors (door thicknesses 38–44 mm): 17 1736/1737. These separately available roses are also a convincing solution for standard doors both aesthetically and for installation, which was previously the reserve of doors 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 f.

Fundamentals

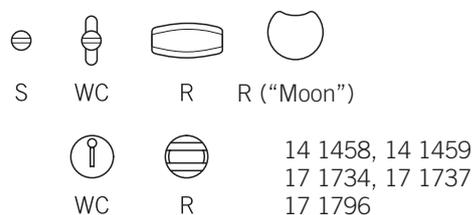
Doors are pushed and pulled. Both forces have to be supported if a door handle set is to continue to function in the long term. Backplates and roses provide this supporting function. This is why it is so important that they are correctly fitted. All of the backplates and roses offered by FSB have a 7 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.



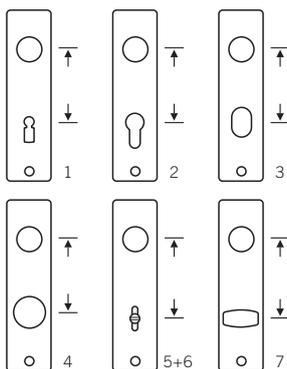
Bathroom/WC versions



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..
(heavy-duty version, flush)
LL and PC
Diff. keyholes/spacings on request.
WC designs acc. to details in door handles section.

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

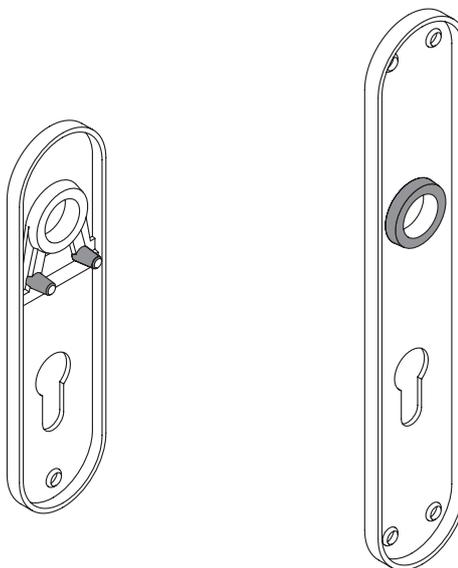
14 1429
LL, PC, WC, R (“Moon”)

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.

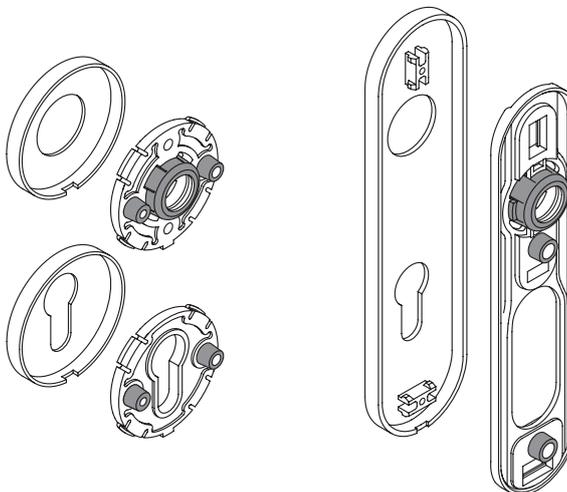


Rose with concealed fixing

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 concealed 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. The bearings on door handles are turnably fixed (plain bearing) both in the standard and heavy-duty version (wide backplates only turnably fixed in heavy-duty version). For more information on this, please see page 27.



Fixing types
17 1795 | 17 1796
14 1454 – 1459

Concealed 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



3 mm: Plastic plain bearings with stainless steel front guide



5 mm: Plastic plain bearings

Flush fittings

Door thicknesses from 45 mm

For technical information see
fsb.de/flush

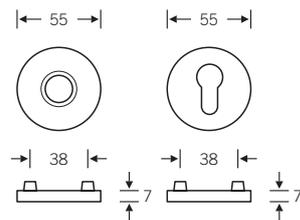


72 8.. 
 76 8.. 
 79 8.. 

 72 8..
 76 8..
 79 8..

+ Model number of the door handle
 + Type of fitting:
 813 (R) | 814 (L) Door handle fitting
 815 (R) | 816 (L) Entrance door fitting with knob 08 0802
 817 (R) | 818 (L) Entrance door fitting with knob 08 0829
 819 (R) | 820 (L) WC fitting*

Spacings:
 72 mm PC, LL
 70/78/85/88 mm PC, 90 mm LL
 70/78/90 mm WC
 74/78/94 mm CH-RZ



Technical requirements:

Minimum door thickness 45 mm; for rebated doors, the location of the cut-out for the lock body should be noted. The cut-out to accommodate the roses must be routed 7 mm deep with a \varnothing of 55.6 mm centred on the latch follower. The material left between the base of the routed hole and the surface of the lock must be strong enough for it to be screwed in place without applying pressure on the lock. To accommodate and fix the supporting lugs, drill 9 mm \varnothing holes (38 mm spacing) with a minimum depth of 7 mm – for this purpose use the FSB 03 0460 universal template.

Specification:

Door handle/rose sets, turnably fixed bearing in Teflon-coated metal bushings with a function to compensate for tolerances (AGL® 72) or with turnably fixed bearing for fire safety and smoke safety doors (AGL® FS 76 + 79), prepared for flush installation, removable, only in combination with roses 17 1731/17 1735. With a spacing of 72 or 92 mm, can also be supplied as half sets for entrance doors. Please make sure in this case that, after the routing process, a sufficiently strong wall thickness is left for fastening the half sets on one side, particularly on entrance doors that open outwards.

Ordering details:

- AGL® or AGL® FS fitting
- Door thickness
- Model of door handle*
- Keyhole
- Material/finish
- Quantity
- The required knob model for entrance door fittings (for bathroom/WC designs the bolt is supplied according to the respective door handle model)

* The following models are not available in a flush design:
 FSB 1016, 1043, 1070, 1074, 1093, 1094, 1155, 1160, 1187, 1222 and 1223

Please request others keyholes and spacings individually.

For routing template FSB 03 0462 000, see page 725f.

** WC fitting not in AGL® FS

Round flush roses

Door thicknesses 38–44 mm

For technical information see
fsb.de/flush

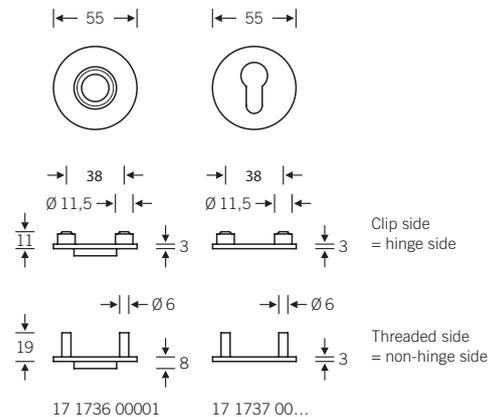


17 1736 
17 1737 

↳ 17 1736 00001
17 1737 00...

+ Type of hole:
002 (LL)
010 (PC)
154 (R/WC 8 mm)
188 (R/WC 7 mm)

Spacings:
72 mm PC, LL
70/78/85/88 mm PC, 90 mm LL
70/78/90 mm WC
74/78/94 mm CH-RZ



Technical requirements:

The door thickness must be 38–44 mm; please note the cut-out for the lock body. Use the FSB drilling template 03 0455 or universal template 03 0460 on both sides. 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 000. Please note that in contrast to the flush fittings (for doors from 45 mm thick) you may only route to a depth of 3 mm. The routing for the round version 17 1736/17 1737 is done with a \varnothing of 55.6 mm, 3 mm deep. The thickness left between the base of the routed hole and the surface of the

lock must be strong enough for it to be screwed in place without applying pressure on the lock.

Specification:

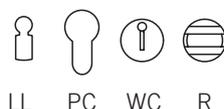
Single pairs of door handle and key roses for flush installation, can only be combined with specially prepared pairs of FSB door handles, the door handles and roses are removable.

Ordering details:

- Model of door handle*
- Keyhole
- Material/finish
- Quantity
- Door direction of opening to DIN on rebated doors in combination with asymmetrical door handles

* The following models are not available in a flush design:
FSB 1051, 1058, 1163, 1164, 1187, 1216, 1222 and 1223

Keyholes and bathroom/WC versions (please request others keyholes and spacings individually)



For routing template FSB 03 0462 000, see page 725f.

Rectangular flush roses

Door thicknesses 38–44 mm

For technical information see
fsb.de/flush

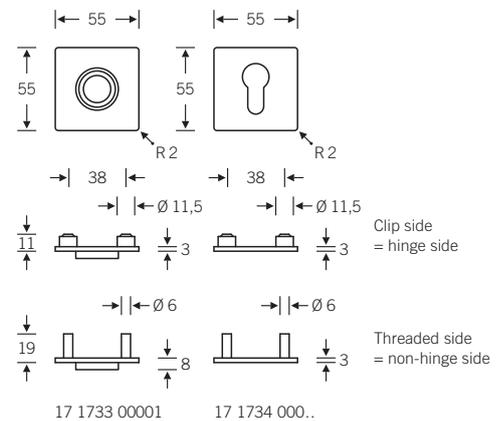


17 1733 ■
17 1734 ■

17 1733 00001
17 1734 00...

+ Type of hole:
002 (LL)
010 (PC)
154 (R/WC 8 mm)

Spacing:
72 mm LL, PC, 8/78 mm WC



Technical requirements:

The door thickness must be 38–44 mm; please note the cut-out for the lock body. Use the FSB drilling template 03 0455 or 03 0460 on both sides. 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 00030. 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. The routing for the rectangular version 17 1733/17 1734 is done with dimensions of 55.6 × 55.6 mm with a corner radius of 2 mm. Please use a router with a \varnothing of 4 mm.

The specified radius of 2 mm is then made automatically using the routing template 03 0462 00030. The thickness left between the base of the routed hole and the surface of the lock must be strong enough for it to be screwed in place without applying pressure on the lock.

Specification:

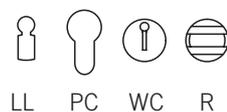
Single pairs of square door handle and key roses for flush installation, can only be combined with specially prepared pairs of FSB door handles, the door handles and roses are removable.

Ordering details:

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

* The following models are not available in a flush design:
FSB 1051, 1058, 1163, 1164 and 1187

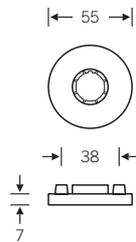
Keyholes and bathroom/WC versions (please request others keyholes and spacings individually)



For routing template FSB 03 0462 000, see page 726

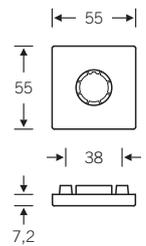
17 1731 | 17 1743

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



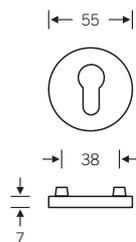
17 1703 | 17 1711

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



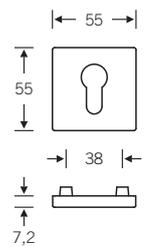
17 1735 | 17 1744

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



17 1704 | 17 1712

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



fsb.de/171731
fsb.de/171743
fsb.de/171735
fsb.de/171744

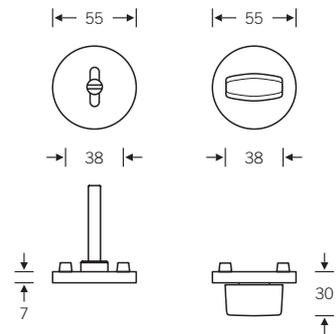
fsb.de/171703
fsb.de/171711
fsb.de/171704
fsb.de/171712

WC locks round

For technical information see page 268f.

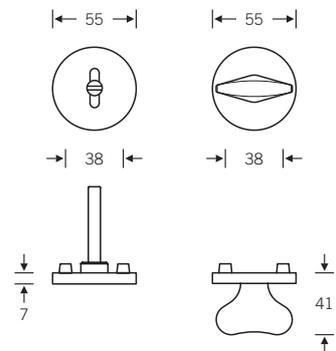
17 1735 | 17 1744 

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



17 1735 | 17 1744 
Design: Jasper Morrison

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



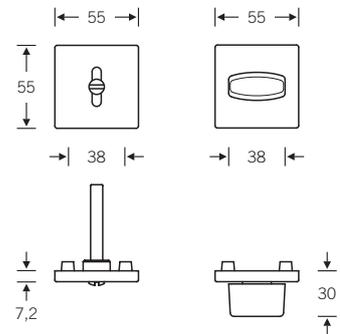
fsb.de/171735
fsb.de/171744

WC locks rectangular

For technical information see page 268f.

17 1704 | 17 1712 

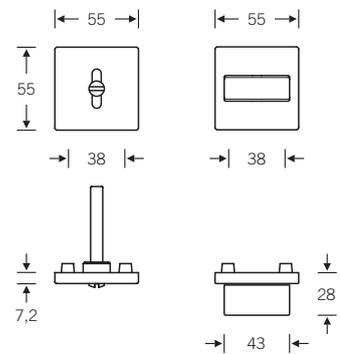
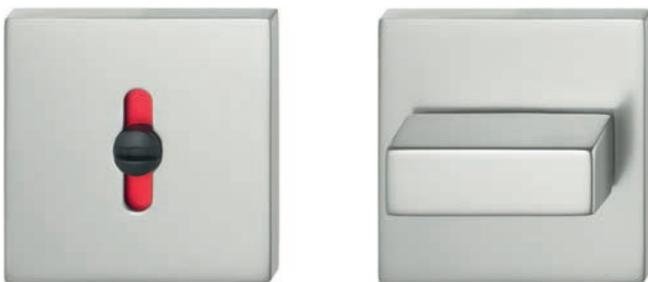
17 1704 00054 (with lugs)
17 1712 00054 (without lugs)



17 1704 | 17 1712 

Design: Hadi Teherani

17 1704 07254 (with lugs)
17 1712 07254 (without lugs)



fsb.de/171704
fsb.de/171712

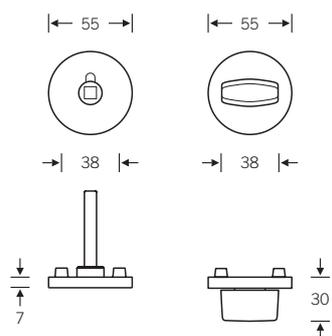
Emergency release for special circumstances

For technical information see page 268f.

17 1735 | 17 1744



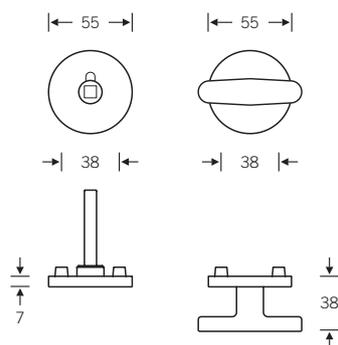
17 1735 07654 (with lugs)
17 1744 07654 (without lugs)



17 1732



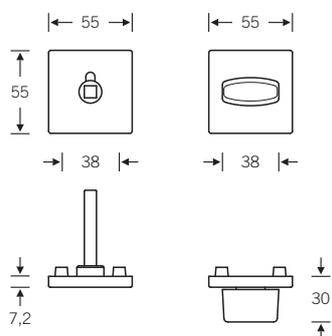
17 1732 00054 (with lugs)*
through screw fixings



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,
please order separately



17 1795 ■

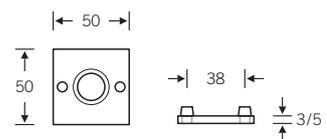


17 1795 001 (material thickness 3 mm)
17 1795 011 (material thickness 5 mm)
screws visible on both sides

17 1795 002 (material thickness 3 mm)
17 1795 012 (material thickness 5 mm)
screws concealed 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 turnably fixed door handles are possible, please specify the required FSB door handle model when ordering.



17 1796 ■

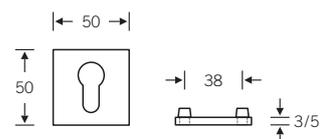


17 1796 001 (material thickness 3 mm)
17 1796 011 (material thickness 5 mm)
screws visible on both sides

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

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

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



fsb.de/171795
fsb.de/171796

14 145. ■



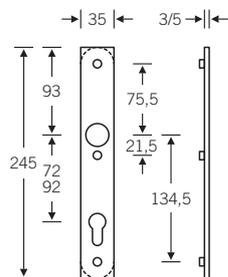
14 1458 ... (rectangular, 35 × 245 mm)
 14 1459 ... (round, 35 × 245 mm)

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 concealed 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 concealed on one side, with stainless steel spacer ring



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

14 145.

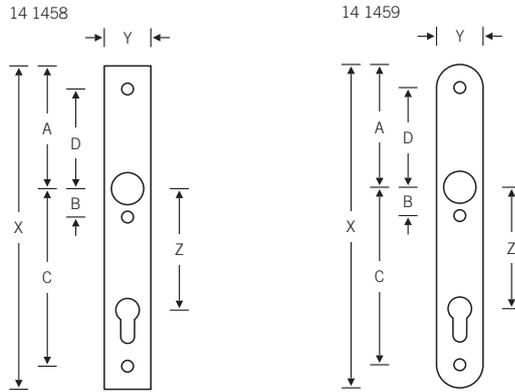
Fax form for custom manufacture of cut backplates with stainless steel supporting lugs (please configure in the table, using the adjacent illustrations)

Standard version rectangular:

14 1458 (rectangular, 35 × 245 mm)

Standard version round:

14 1459 (round, 35 × 245 mm)



3b

	14 1458	14 1459
Backplate thickness	<input type="checkbox"/> 3 mm <input type="checkbox"/> 5 mm	<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	<input type="checkbox"/> one side <input type="checkbox"/> both sides
Handle bearing	<input type="checkbox"/> loose <input type="checkbox"/> turnably fixed*	<input type="checkbox"/> loose <input type="checkbox"/> turnably fixed*
* only for screw fixings visible one side		

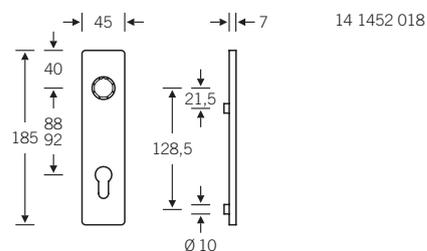
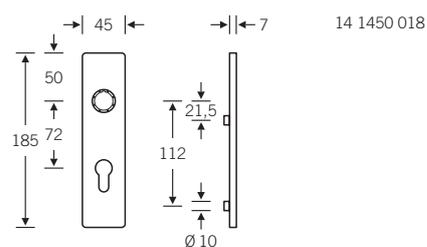
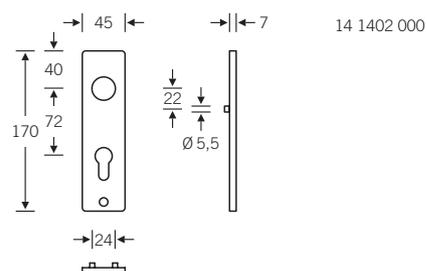
- 14 1402
- 14 1450
- 14 1452

14 1402 000 (screws visible)
Spacing 72 mm

14 1450 018 (screws concealed)
Spacing 72 mm

14 1452 018 (screws concealed)
Spacing 88 + 92 mm

For drilling templates see page 727



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

For holes see page 268

14 1410   
 14 1407 
 14 1445 

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

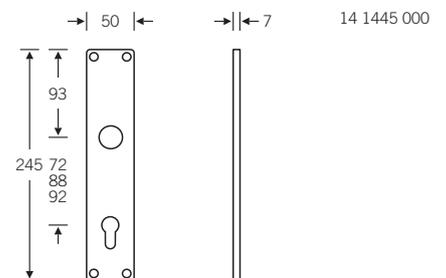
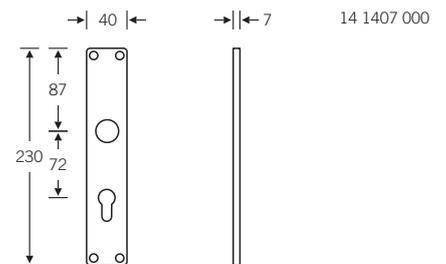
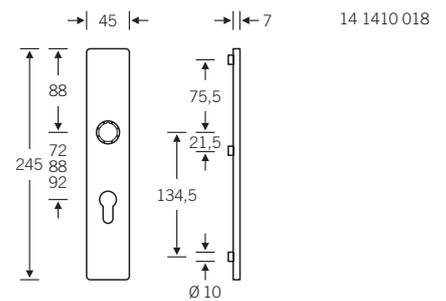
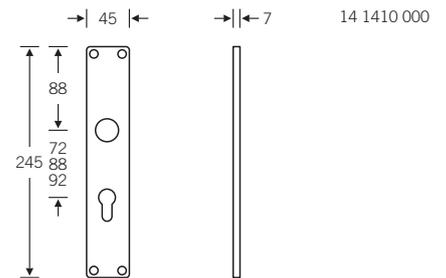
14 1410 018 (screws concealed)
 Spacing 72 + 88 + 92 mm

14 1407 000 (screws visible)
 Spacing 72 mm

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

For drilling templates see page 728

3b



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

For holes see page 268

* not in bronze

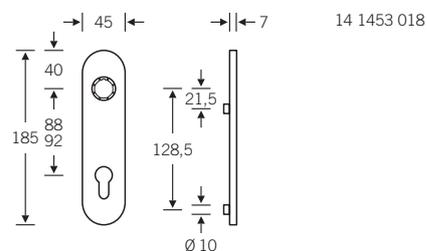
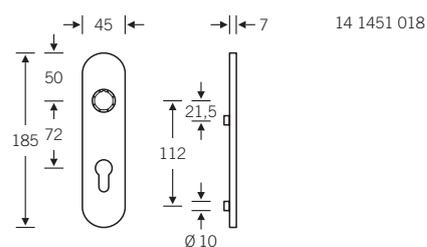
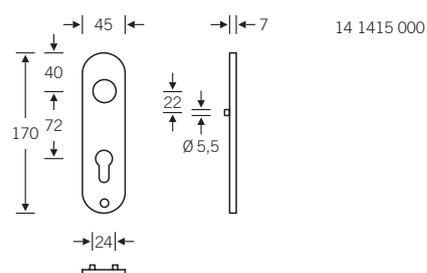
- 14 1415
- 14 1451
- 14 1453

14 1415 000 (screws visible)
Spacing 72 mm

14 1451 018 (screws concealed)
Spacing 72 mm

14 1453 018 (screws concealed)
Spacing 88 + 92 mm

For drilling templates see page 727



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

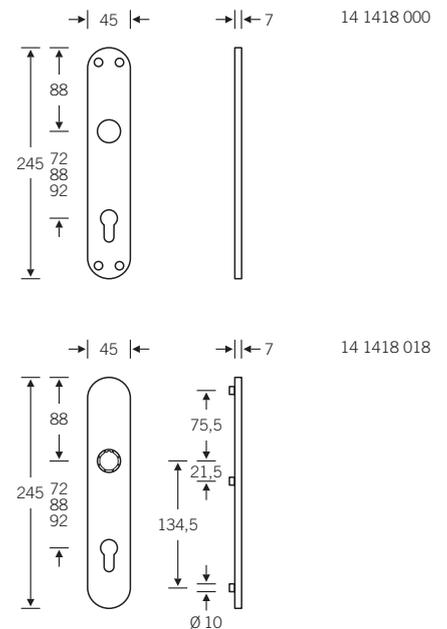
For holes see page 268

14 1418 

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

14 1418 018 (screws concealed)
Spacing 72 + 88 + 92 mm

For drilling templates see page 728



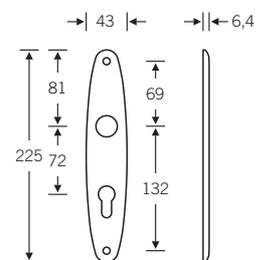
fsb.de/141418

For holes see page 268

* not in brass and bronze

14 1429 

14 1429 000 (screws visible)
Spacing 72 + 8/78 mm



Wide backplates

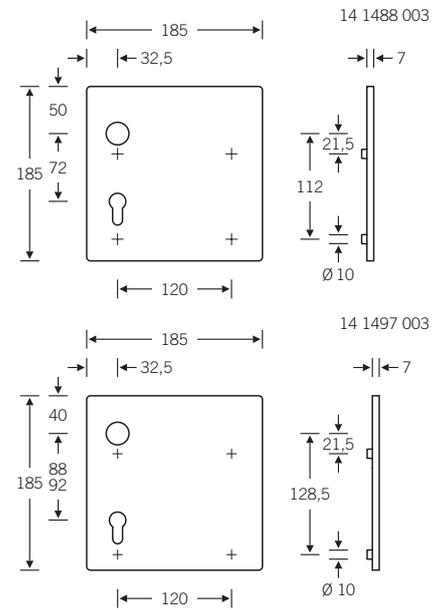
Corner radius 4 mm

For technical information see page 268f.

14 1488 | 14 1497 

14 1488 003 (screws concealed)
14 1497 003 (screws concealed)

Corner radius 4 mm

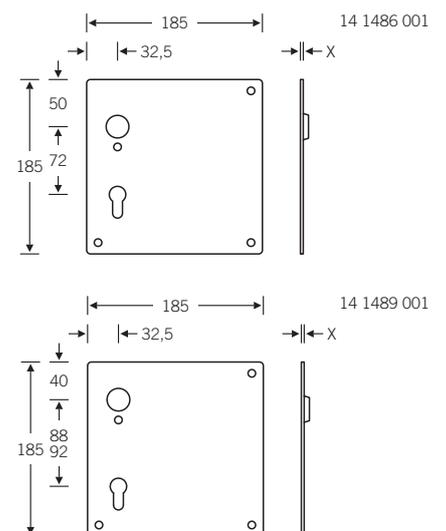


3b

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
fsb.de/141497
fsb.de/141486
fsb.de/141489

For holes see page 268
For drilling templates see page 728

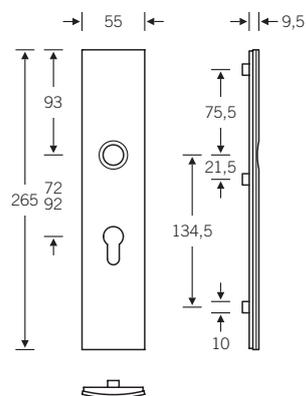
14 1433 

14 1433 003 (screws concealed)
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 728



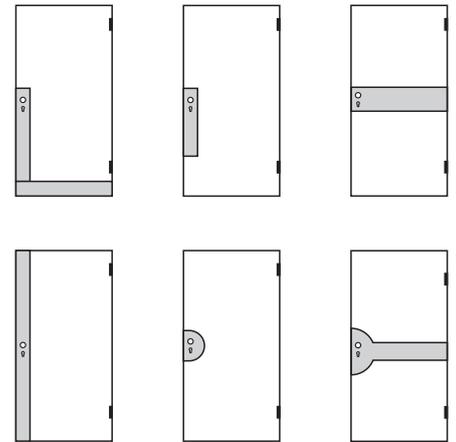
Finger plates and kick plates

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.

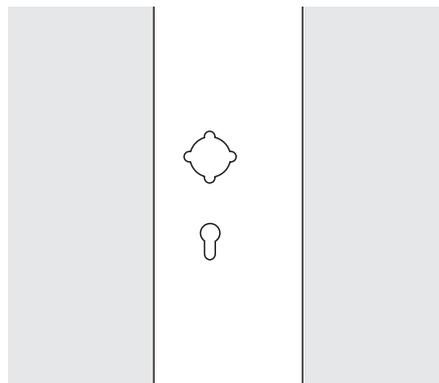
With and without screw holes

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 cut-outs for the door handle roses (uniformly suitable for rose fittings and isis rose sets) 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. If 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.

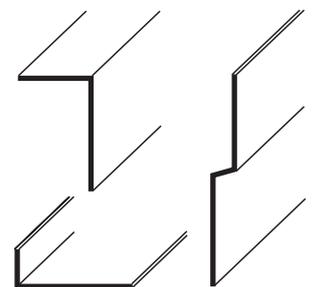
Shapes

Many variants of finger plates and kick plates are possible. 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

Material thicknesses: 1, 1.5 and 2 mm

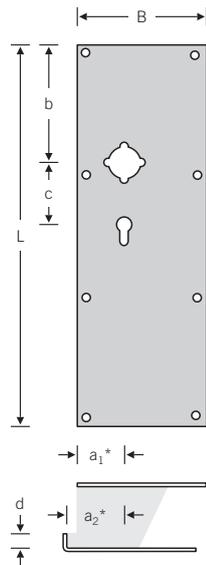
Brass: only surface FSB 4305
 Brass – polished, waxed

Bronze: only surface FSB 7305
 Bronze – polished, waxed and only in a thickness of 1 mm

Please generally specify required material thickness when placing orders

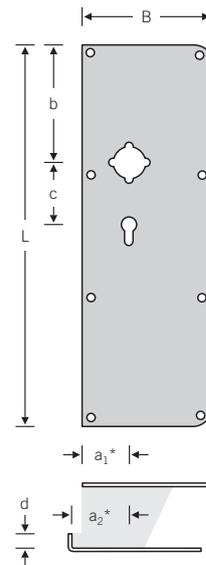
51 5300 | 51 5310

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



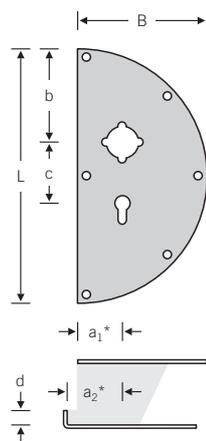
51 5320 | 51 5330

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



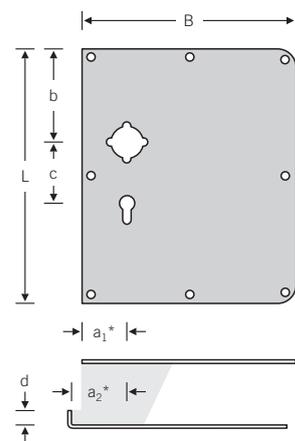
51 5340 | 51 5350

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



51 5360 | 51 5370

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



fsb.de/515300
fsb.de/515310
fsb.de/515340
fsb.de/515350

fsb.de/515320
fsb.de/515330
fsb.de/515360
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 on top, key rose underneath (e.g. 17 1731, 17 1735), also suitable for isis rose sets

Version 3

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

Version 4

Backplate with concealed 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	B width	a ₁ * backset	a ₂ * backset	b spacing	c keyhole spacing	d Width of fold/ inner dim. of rebate	Cutout versions with details of order numbers for roses and backplates used				Holes		
			mm	mm	mm	mm	mm	mm	mm	mm	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 a₁ and a₂ 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. a₂ can be calculated by adding the backset a₁ + 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 a₂ as it is the same as a₁.

51 522. 

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

Bronze: only available in 1 mm sheet thickness and with a maximum sheet size 1,250 × 300 mm

Brass: only surface FSB 4305
Brass – polished, waxed

Bronze: only surface FSB 7305
Bronze – polished, waxed



fsb.de/515222
fsb.de/515223
fsb.de/515224

Painted versions of kick plates are not available.

