

Brass



FSB 4205
Brass polished lacquered

FSB 4305
Brass polished waxed

FSB and brass

FSB has been supplying select door and window furniture in brass, together with accessories, for forty years. From the very beginning we strove for originality, spurning hackneyed forms such as post horns or duck bills.

DIN 17 660

Brass furniture is available in a wide range of alloys and at widely differing prices. But not all that glitters is pure brass. It is in our case though. We make exclusive use of the CuZn37 copper-zinc alloy specified under DIN 17 660 as material no. 2.0321 and 2.0335.

Corrosion protection

Brass is prone to corrosion in everyday use - a fact that is sometimes glossed over.

Polishing is the only way round this. Anyone acquainted with more northerly countries will have observed the weekly buffing given to brass furniture on front doors there.

This chore becomes redundant if the surface is either lacquered or waxed.

Waxed brass components are self-polishing through use. Areas that are not handled will rapidly develop a brown or grey-green patina. Many buyers deem this surface discolouration positively alluring. Lacquered brass furniture loses its gloss once the lacquer is damaged. Intercrystalline corrosion then quickly sets in. Corroded handles can be reconditioned, however - for a charge covering costs.

Recommendation

FSB fundamentally recommends only using waxed brass finishes. Polished waxed finishes can be looked after using proprietary cleansers.

Do not use lacquered brass finishes in outdoor applications where the sun and the environment will hasten the onset of corrosion.

Brass furniture should not be considered for heavy duty applications in public buildings, since there is too much cleaning involved.

Surface Hygiene

A brief word of clarification concerning the hygienic properties of door handles:





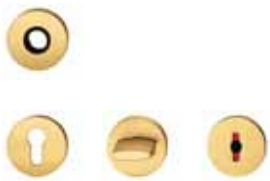










There are those amongst our competitors who, citing the findings of research institutes, make much in their brochures of the enhanced sterilizing properties of certain finishes. FSB likewise has access to reports proving that, for instance, cupriferous metals kill germs more effectively than, in particular, synthetic materials.

But FSB sets no great store by such findings. Whether a given finish destroys bacteria in 24 hours or in 72 is academic really, since in practice, doors tend to be in fairly regular use anyway. You'd have to take remedial action every time a door was opened or closed if you wished to eliminate germs altogether.

● New products 06107

Aluminium
 AluGrey
 Stainless steel
 Bronze
 Brass
 White plastics

Overview

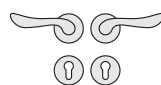
 <p>1020 </p> <p>Pages 242, 102</p>	 <p>1023 </p> <p>Pages 243, 58, 26</p>	 <p>1057 </p> <p>Pages 244, 111</p>	 <p>1076 </p> <p>Pages 245, 66</p>	 <p>1102 </p> <p>Pages 246, 74</p>	 <p>1103 </p> <p>Page 247</p>
 <p>1135 </p> <p>Pages 248, 123</p>	 <p>1146 </p> <p>Pages 249, 82</p>	 <p>1147 </p> <p>Pages 250, 86</p>	 <p>1707 1708, 1708 54 </p> <p>Pages 252, 134, 136</p>	 <p>1731 1735, 1735 54 </p> <p>Pages 251, 134, 136, 27</p>	
 <p>1758, 1757 </p> <p>Pages 253, 282, 28</p>	 <p>1418 </p> <p>Pages 253, 147</p>	 <p>1927 </p> <p>Pages 255, 172</p>	 <p>1964 </p> <p>Pages 255, 172</p>	 <p>0802 </p> <p>Pages 254, 159, 30</p>	 <p>2302 </p> <p>Pages 254, 163, 30</p>
 <p>3423 </p> <p>Pages 256, 184, 32</p>	 <p>3432 </p> <p>Pages 256, 187</p>	 <p>3446 </p> <p>Pages 257, 185</p>	 <p>3447 </p> <p>Pages 257, 190</p>	 <p>3476 </p> <p>Pages 258, 193</p>	 <p>3735 </p> <p>Pages 258, 194</p>
 <p>3404 </p> <p>Pages 259, 198</p>	 <p>3407 </p> <p>Pages 259, 206</p>	 <p>3826 </p> <p>Pages 260, 483</p>	 <p>3881 </p> <p>Pages 261, 211</p>	 <p>3884 </p> <p>Pages 261, 212, 40</p>	 <p>4211, 4212 </p> <p>Pages 261, 229</p>

Model 1020



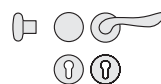
- Brass
- Aluminium

Product family



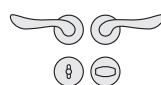
Internal door furniture

➤ 1020 | 1731 | 1735



Entrance door furniture

➤ 1020 | 1731 | 1735 | 2306 06



Bathroom furniture

➤ 1020 | 1731 | 1735 0054

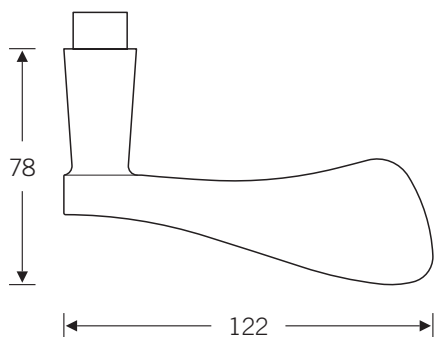


Window handle

3404

The FSB 1020 model is the clearest embodiment of the “good form” of the 1950s. This is a lever handle that flourishes by dint of the organic flow of its moulded-to-the-hand design and because it somehow looks symmetrical without actually being so. Johannes Potente’s intention with this design was to provide a dynamic counterpoint to the linearity of doors.

FSB 1020 is one of four models designed by Johannes Potente that, in the summer of 1998, were added to the permanent collection at the MoMA in New York.



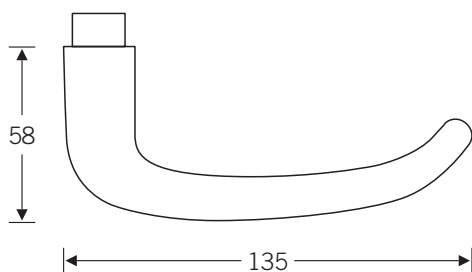
Model 1023



- Brass
- Aluminium
- AluGrey
- Stainless steel
- Bronze

In the 1950s, the Swiss architect Max Bill got together with Ernst Moeckel to fashion a door handle for the new Ulm Design College building that drew on the handles common on railway carriage doors in Switzerland and has made design history as the "Ulm handle".

It was a handle that in turn inspired Johannes Potente to produce FSB 1023, which for is an alternative to the usual U-shaped models.



www.fsb.de/en/1023

Product family

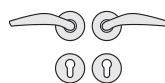
	Internal door furniture ↳ 1023 1731 1735
	Entrance door furniture ↳ 1023 1731 1735 2302 06
	Bathroom furniture ↳ 1023 1731 1735 0054
	Internal door furniture ↳ 1023 1451 03
	Entrance door furniture ↳ 1023 1451 03 1964 03
	Bathroom furniture ↳ 1023 1451 0354
	Internal door furniture ↳ 1023 1418 03
	Entrance door furniture ↳ 1023 1418 03 1927 03
	Bathroom furniture ↳ 1023 1418 0354
	Window handle 3423

Model 1057



- Brass
- Aluminium

Product family



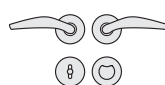
Internal door furniture

➤ 1057 | 1707 | 1708



Entrance door furniture

➤ 1057 | 1707 | 1708 | 2302 06

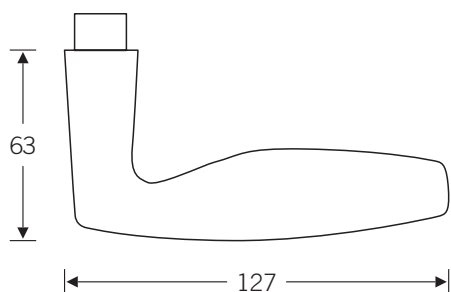


Bathroom furniture

➤ 1057 | 1707 | 1708 7554

Lever handle model FSB 1057 is the work of Munich-based designer Jan Roth. Singularly unimpressed by the models then on sale, he decided to design a handle of his own for his doors. After the first casting, he took the polished unfinished parts home with him and duly fitted them to the doors there (which is where they can still be found).

The FSB 1057 model by Jan Roth nestles snugly in the hand and is a handle that women in particular often tend to fall for on the spot.

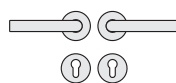


Model 1076



- Brass
- Aluminium
- AluGrey
- Stainless steel

Product family



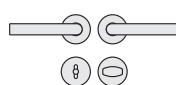
Internal door furniture

➤ 1076 | 1731 | 1735



Entrance door furniture

➤ 1076 | 1731 | 1735 | 2302 06



Bathroom furniture

➤ 1076 | 1731 | 1735 0054

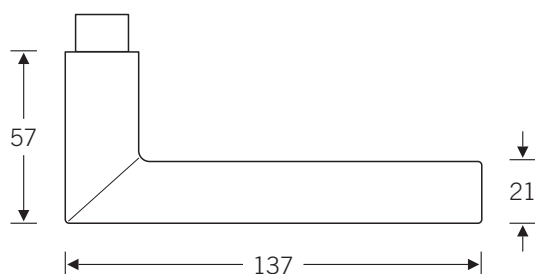


Window handle

3476

The architect Robert Mallet-Stevens (1886–1945) designed several residential buildings in Paris in the 1920s. It is likely to have been he who hit upon the idea of splitting a round tube in two and mitring the ends back together again at right angles.

The design is now known as the “Frankfurt model”. There’s a simple reason for this being so. The handle was rediscovered when the Architecture Museum was built and proceeded to take the market by storm.

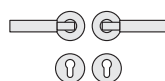


Model 1102



- Brass
- Aluminium
- Stainless steel

Product family



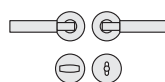
Internal door furniture

➤ 1102 | 1731 | 1735



Entrance door furniture

➤ 1102 | 1731 | 1735 | 2302 06



Bathroom furniture

➤ 1102 | 1731 | 1735 0054

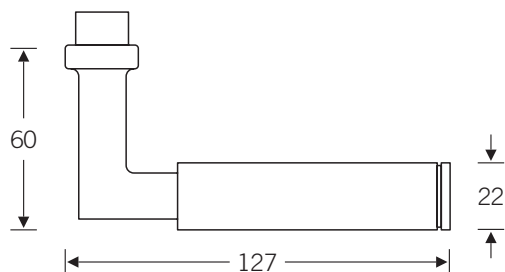


Window handle

3432

The FSB 1102 model is rooted in a redesign venture by Italian designer Alessandro Mendini, who refashioned the celebrate Gropius lever handle by using a different material and adding a groove as one of his submissions to FSB's Design Workshop held in 1986.

Owing to the popularity of this design, we now supply FSB 1102 in the four materials listed above and the corresponding finishes. We would recommend using the rugged stainless steel variant on heavily used doors, indeed that is the version shown here.



Model 1103



■ Brass

Product family



Internal door furniture

→ 1103 | 1707 | 1708



Entrance door furniture

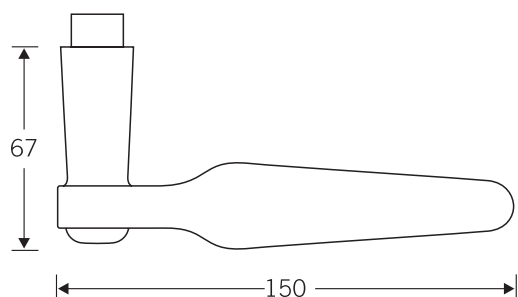
→ 1103 | 1707 | 1708 | 2302 06



Bathroom furniture

→ 1103 | 1707 | 1708 7554

The FSB 1103 lever handle by Hans Hollein is shaped to the hand in classical FSB fashion. Hans Hollein incorporated two specific principles into this model: Firstly, he wanted to keep the user's hand well clear of the edge of the door. Hence the offset between the point of pivot and the grip. Secondly, he wanted to offer a choice of either upward or downward lever position, thus lending the door a flexible identity.

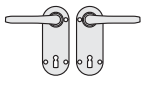
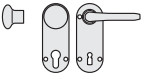
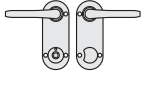



Model 1135



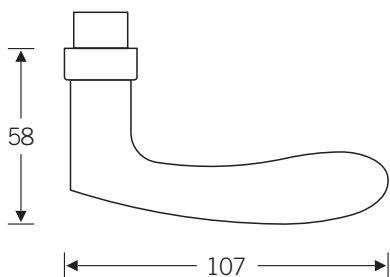
- Brass
- Aluminium
- Stainless steel

Product family

	Internal door furniture ↻ 1135 1425
	Entrance door furniture ↻ 1135 1425 1925
	Bathroom furniture ↻ 1135 1425 7554
	Window handle 3735

When we got together with Frankfurt-based architect Prof. Christoph Mäckler to contemplate a new handle collection, attention initially focused not on the design but on the choice of material.

Professor Mäckler loves natural materials. Thus the first thing he did was to reach a decision in that respect by opting for brass. Once the issue of materials had been resolved, he leafed through no end of old catalogues and ultimately hit upon a form that had originally found favour with door users in the 19th century.

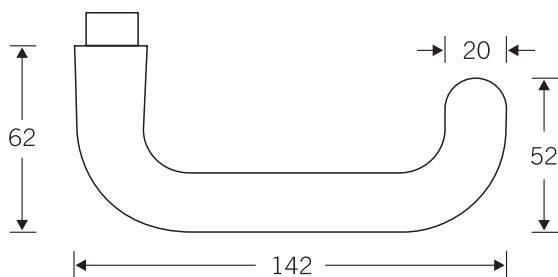


Model 1146



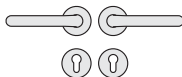
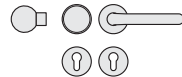
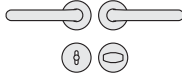
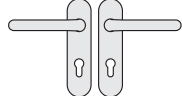
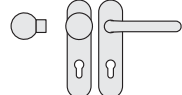
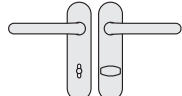
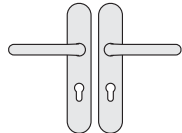
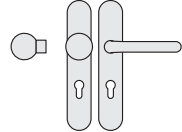
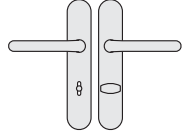

- Brass
- Aluminium
- AluGrey
- Stainless steel

In the early 1990s, FSB felt the time had come to give the plain round styling of the stable-door handle a going over. The shank was conically extended and a semicircular tip was added to the bent end; two subtle little changes that have given the revamped FSB 1146 model a character all of its own. Inevitably, the inevitable happened and this model, too, has suffered no end of imitations.



www.fsb.de/en/1146

Product family

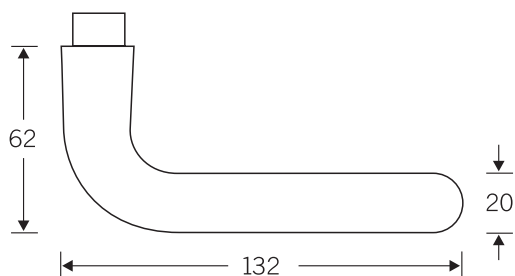
	Internal door furniture ↳ 1146 1731 1735
	Entrance door furniture ↳ 1146 1731 1735 2302 06
	Bathroom furniture ↳ 1146 1731 1735 0054
	Internal door furniture ↳ 1146 1451 03
	Entrance door furniture ↳ 1146 1451 03 1964 03
	Bathroom furniture ↳ 1146 1451 0354
	Internal door furniture ↳ 1146 1418 03
	Entrance door furniture ↳ 1146 1418 03 1927 03
	Bathroom furniture ↳ 1146 1418 0354
	Window handle 3446

Model 1147



- Brass
- Aluminium
- AluGrey
- Stainless steel

The FSB logo echoes a lever handle designed by the Austrian philosopher Ludwig Wittgenstein in the mid-1920s in Vienna. This is the original upon which all similar lever handle forms are based. By adding a conical shank and spherical tip we aimed to set ourselves apart from the many other variants of this lever handle on the market – and, of course, to render our corporate logo “grippable”.

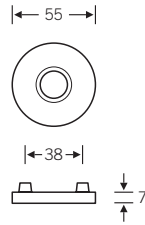
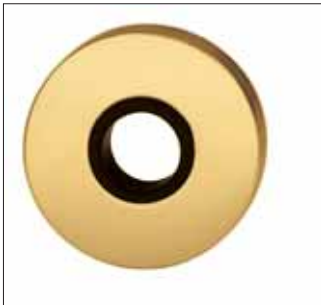


www.fsb.de/en/1147

Product family

	Internal door furniture 1147 1731 1735
	Entrance door furniture 1147 1731 1735 2302 06
	Bathroom furniture 1147 1731 1735 0054
	Internal door furniture 1147 1451 03
	Entrance door furniture 1147 1451 03 1964 03
	Bathroom furniture 1147 1451 0354
	Internal door furniture 1147 1418 03
	Entrance door furniture 1147 1418 03 1927 03
	Bathroom furniture 1147 1418 0354
	Window handle 3446

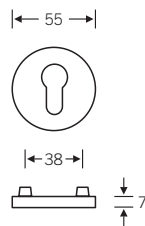
Roses



1731

without lugs 1743

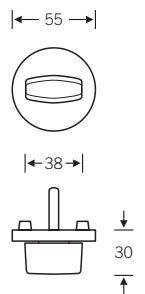
- Brass
- Aluminium
- AluGrey
- Stainless steel
- Bronze



1735

without lugs 1744

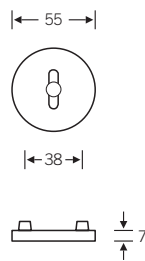
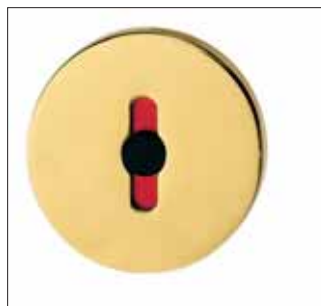
- Brass
- Aluminium
- AluGrey
- Stainless steel
- Bronze



1735 0054

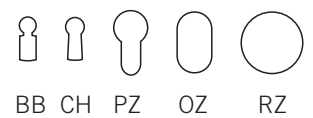
without lugs 1744 0054

- Brass
- Aluminium
- AluGrey
- Stainless steel
- Bronze

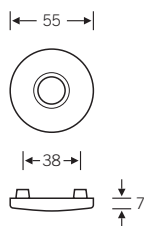


Edge contour 90°

Keyholes



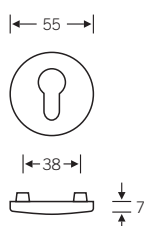
Roses



1707

without lugs 1705

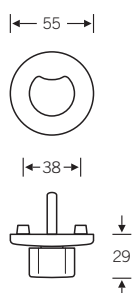
- Brass
- Aluminium
- AluGrey
- Stainless steel
- Bronze



1708

without lugs 1709

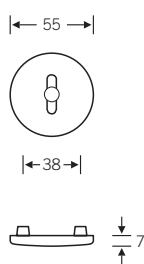
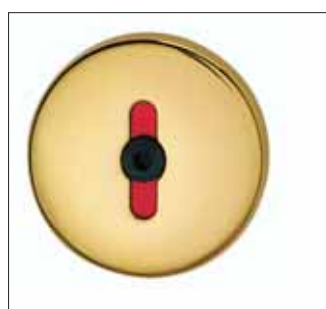
- Brass
- Aluminium
- AluGrey
- Stainless steel
- Bronze



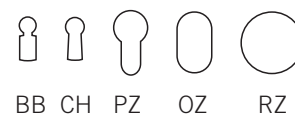
1708 7554

without lugs 1709 7554

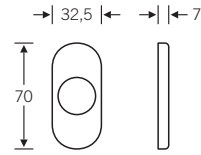
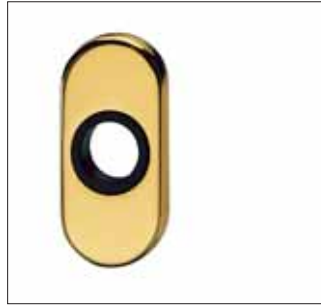
- Brass
- Aluminium
- AluGrey
- Stainless steel
- Bronze



Keyholes

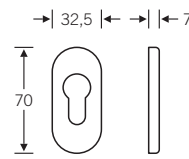
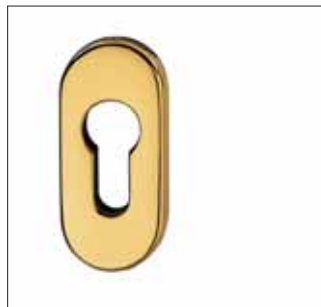


Roses Backplates



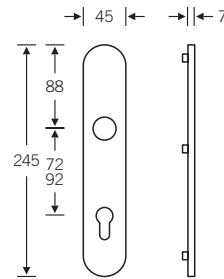
1758

- Brass
- Aluminium
- AluGrey
- Stainless steel
- Bronze



1757

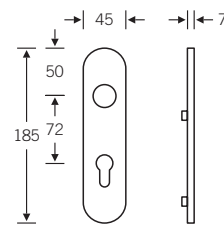
- Brass
- Aluminium
- AluGrey
- Stainless steel
- Bronze



1418 03

- Brass
- Aluminium
- AluGrey
- Stainless steel

Distance 72 + 92 mm



1451 03

- Brass
- Aluminium
- AluGrey
- Stainless steel

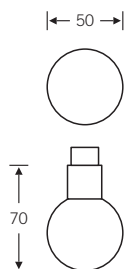
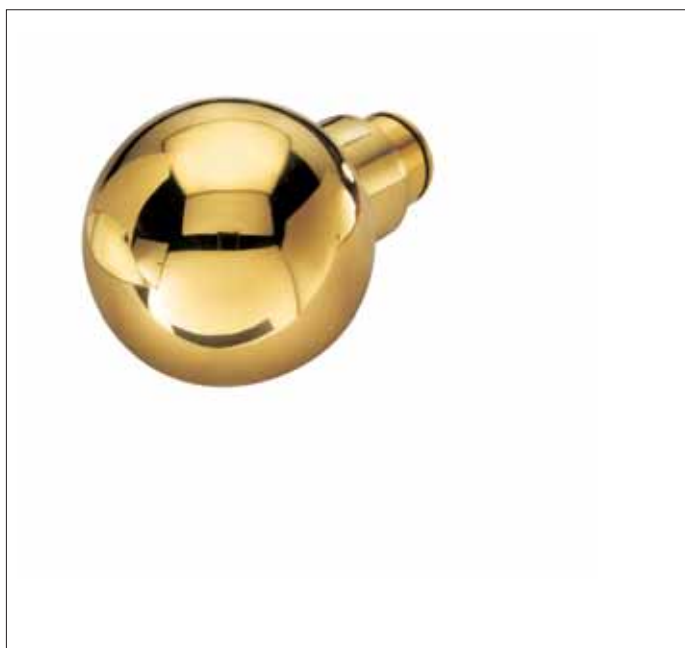
Distance 72 mm

Keyholes



BB CH PZ OZ

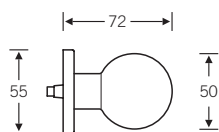
Knob handles Door knobs



0802

- Brass
- Aluminium
- AluGrey
- Stainless steel
- Bronze

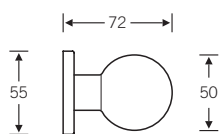
8 mm □-hole



2302 06

- Brass
- Aluminium
- AluGrey
- Stainless steel
- Bronze

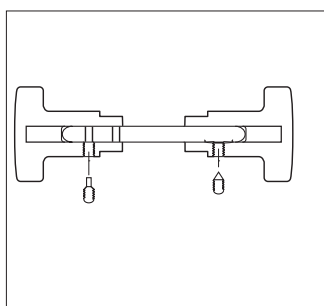
concealed through fixing
c:c screw holes 38 mm



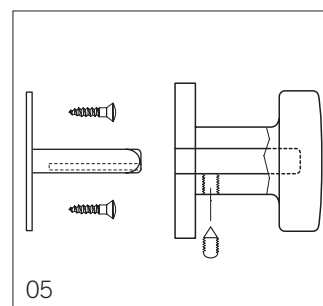
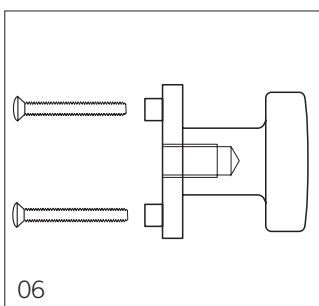
2302 05

- Brass
- Aluminium
- AluGrey
- Stainless steel
- Bronze

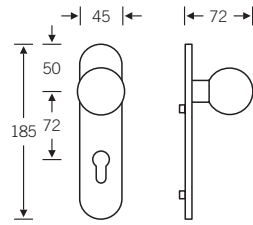
concealed face fixing



Turnable knob handles are made and supplied by FSB as female sections. Knobsets are created by joining two female parts together using the FSB Stabil-spindle 0102.



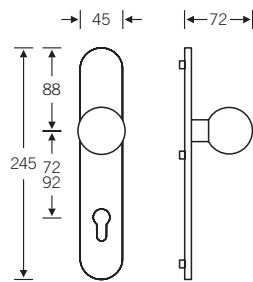
Knob backplates



1964 03

- Brass
- Aluminium
- AluGrey
- Stainless steel

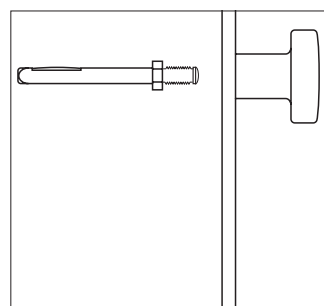
Distance 72 mm



1927 03

- Brass
- Aluminium
- AluGrey
- Stainless steel

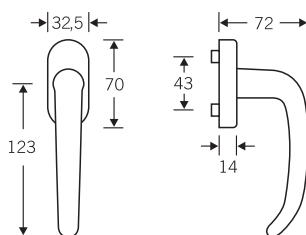
Distance 72 + 92 mm



Keyholes

- BB CH PZ OZ

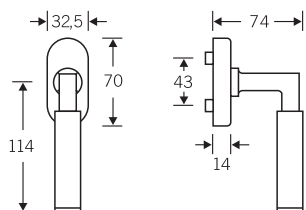
Window handles



3423

- Brass
- Aluminium
- AluGrey
- Stainless steel
- Bronze

Window handle with click-stop mechanism
lugs with 10 mm Ø
c:c mounting holes 43 mm
7 mm □ spindle
projecting 32 mm



3432

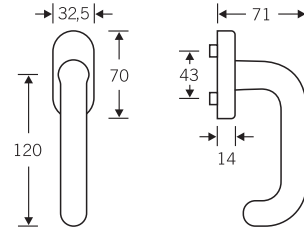
- Brass
- Aluminium
- Stainless steel

Window handle with click-stop mechanism
lugs with 10 mm Ø
c:c mounting holes 43 mm
7 mm □ spindle
projecting 32 mm

Design: Alessandro Mendini



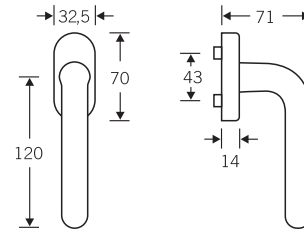
Window handles



3446

- Brass
- Aluminium
- AluGrey
- Stainless steel

Window handle with click-stop mechanism
lugs with 10 mm Ø
c:c mounting holes 43 mm
7 mm □ spindle
projecting 32 mm



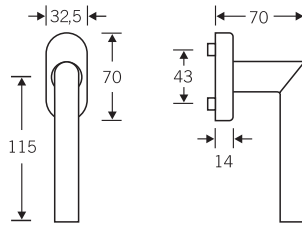
3447

- Brass
- Aluminium
- AluGrey
- Stainless steel

Window handle with click-stop mechanism
lugs with 10 mm Ø
c:c mounting holes 43 mm
7 mm □ spindle
projecting 32 mm



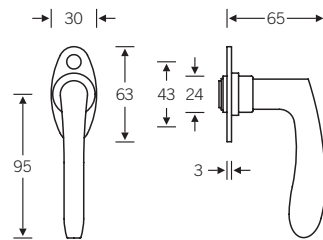
Window handles



3476

- Brass
- Aluminium
- AluGrey
- Stainless steel

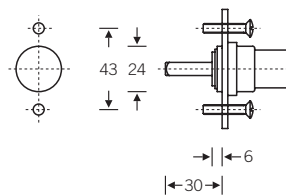
Window handle with click-stop mechanism
lugs with 10 mm Ø
c:c mounting holes 43 mm
7 mm □ spindle
projecting 32 mm



3735

- Brass polished waxed
- Aluminium
- Stainless steel feinmatt
- Stainless steel spiegelpoliert

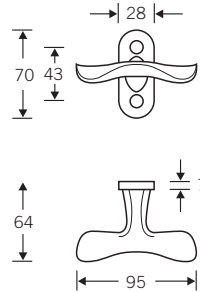
Window handle with click-stop mechanism
lugs with 10 mm Ø
c:c mounting holes 43 mm
7 mm □ spindle
projecting 32 mm



These window handles come with reduced-depth roses 3 mm thick that are fastened to the window drive mechanism at 43mm centres using M5 screws.

Design: Christoph Mäckler

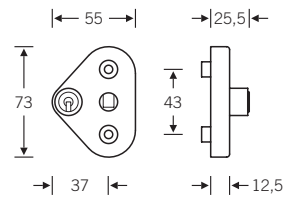
Window handle
Window lock



3404

- Brass
- Aluminium

c:c mounting holes 43 mm
7 mm □ spindle
projecting 32 mm



3407

- Brass
- Aluminium
- AluGrey
- Stainless steel
- Plastic black like RAL 9004
- Plastic white like RAL 9010

Keys to differ – keys to pass lugs with 10 mm Ø only for use with FSB window handles having lugs 10 mm in diameter

Details page 206

Letter plates with spacer



3826 20

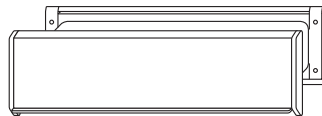
- Brass
(Inside: polished lacquered,
Outside: polished waxed)
- Aluminium
- Stainless steel

Opening size 230 x 40 mm
Cutout size in the door
240 x 50 mm

Fixing of letter plate and inner flap must be made separately.

Letter plate system 3826 20 is available as:

- Letter plate set with black spacer and inner flap for door thickness 40 – 70 mm or door thickness 71 – 100 mm
- Single as letter plate.



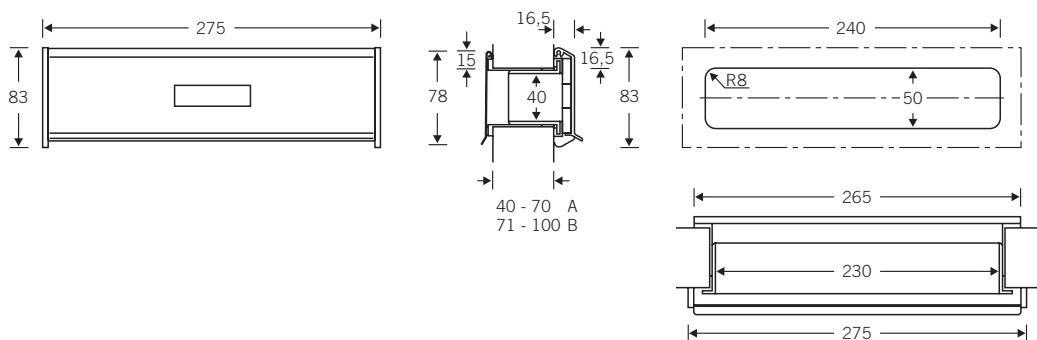
3826 2061 (40 - 70 mm)
3826 2071 (71 - 100 mm)
Letter plate set without nameplate, with spacer and inner flap

3826 2001
Letter plate set without nameplate, without spacer or inner flap

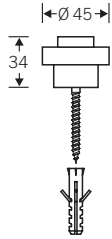


3826 2062 (40 - 70 mm)
3826 2072 (71 - 100 mm)
Letter plate set with nameplate, spacer and inner flap

3826 2002
Letter plate set with nameplate, without spacer or inner flap

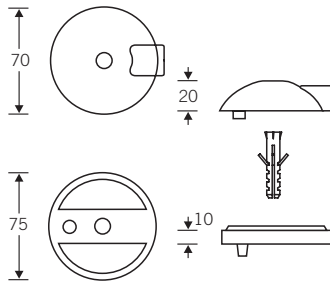


Door stops



3881

- Brass
- Aluminium
- Stainless steel

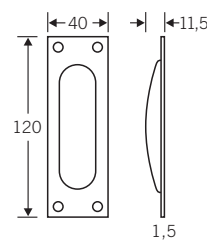
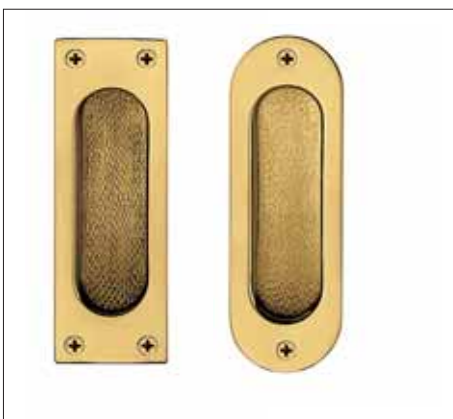


3884

- Brass
- Aluminium
- Stainless steel
- Bronze

3884 10

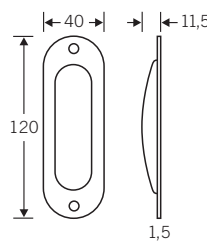
Black baseplate



4211

4212

- Brass
- Aluminium
- Stainless steel
- Bronze (only 4211)



Mill out size 87 x 28 x 10 mm

Boreholes for 3.0 mm countersunk screw

Flush pulls FSB 4211 and 4212 are available:

- without keyhole,
- with lever lock/BB keyhole,
- with profile cylinder/PZ keyhole.

How Le Corbusier made it to colour

Le Corbusier achieved fame for his work as an architect in the first instance. He is generally classified as being an exponent of “white architecture”; common to this movement was an abhorrence of all things decorative, which were deemed to include colour finishes in built spaces and on facades. Thus, for decades, whitewash was considered the only coating acceptable for walls and ceilings. Le Corbusier nonetheless addressed himself to the design potential of “colourful” colours from early on. His second passion – painting in a style that was distinctly experimental compared to his buildings – is to be viewed as the point of departure for his reflections on the matter. However, he was

interested not merely in the formal quality of such colours but in particular also in the way they interact with the human observer and in the powers of association they activate in the process. It was only a question of time before Le Corbusier began applying his thoughts to the applicability of colour to architecture. Early forays of note in this respect such as in the interior of the “La Roche” residential building he designed in Paris (built between 1923 and 1925) reveal how he was at pains to concede a certain amount of autonomy to walls as carriers of colour without jeopardising the wholeness of the space.