New from FSB in 2019 supplement to Manual 13 Door and window hardware







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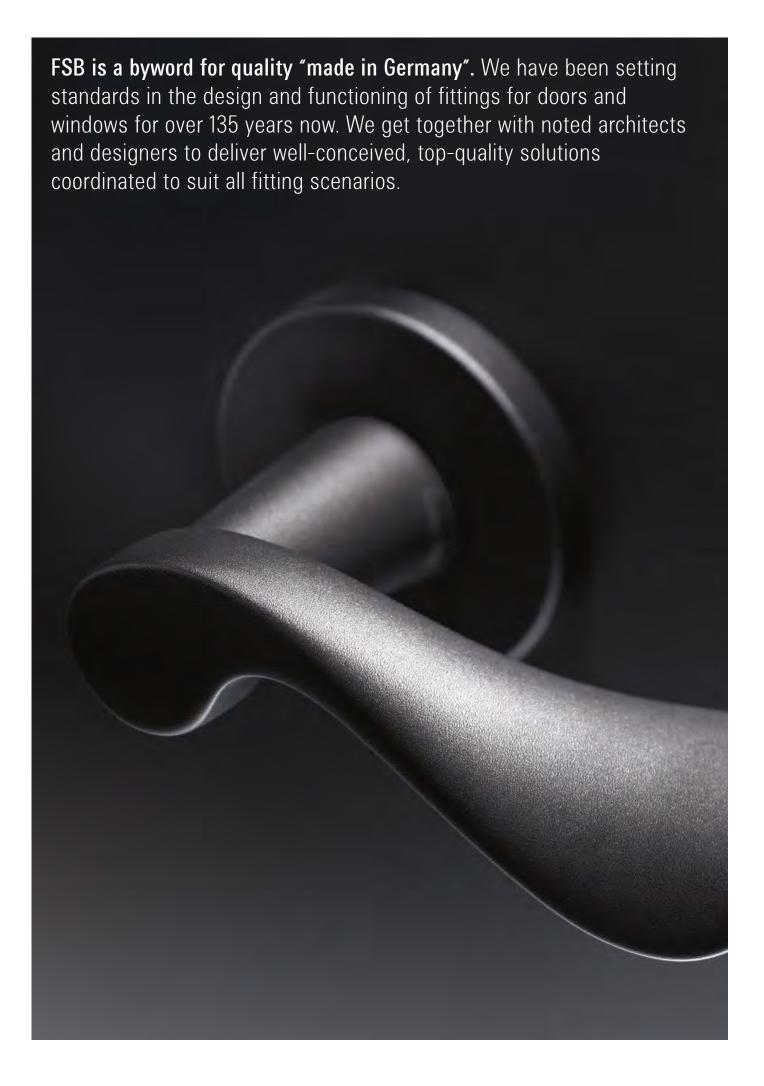
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Made for your hands

New items for doors and windows

The FSB brand is a synonym the world over for visually and functionally compelling hardware solutions for doors and windows, electronic access control systems and barrier-free sanitary fit-outs: FSB caters to all aspects of handle culture in built space from a single source.

Our expertise spawns premium door levers some of which are now even held in New York's Museum of Modern Art. And as if that weren't enough, architects and builders' clients also favour reaching out for products by FSB owing to our profound understanding of what is required in modern residential and Civic/Commercial construction.

FSB always views a building as an overall entity, in the process advocating that architectural and stylistic principles be adopted in mutual accord. This is an approach that grasps handles as being an elemental interface between people and architecture. Our finely designed products are a pleasure to hand and eye alike, no less beautiful than they are useful.

We are likewise pioneers in the fields of "green building" and environmental compatibility and have produced environmental declarations for specific materials and ranges in compliance with DIN ISO 14 025 / EN 15 804 that apply to our entire stock range of more than 25,000 different items. We see sustainability as being synonymous in no small measure with enduring dependability. That FSB products outperform the relevant standards has been demonstrated both by exhaustive tests and trials as well as in day-to-day use.



Design versatility and sense of aesthetics

Huge selection of designs to suit all tastes, interiors and host surfaces – from front doors to windows



Mastery of materials

Unique selection of highest-grade finishes and materials — drawing from a pool of Aluminium, Stainless Steel, Brass and Bronze



Engineered to perfection

Premium products for continuous everyday use — reliability and long service life



Engineering of the highest order

Invariably far better than stipulated in standards – dependable quality, durability and sophisticated engineering



Made in Brakel, Germany

Wholly developed and produced at Brakel in eastern Westphalia



Award-winning

Multiple honours for design and quality

The present brochure supplements FSB Manual 13 with a large number of new and updated items:

Plug-in handles for doors and windows

Our new plug-in handles are classily unobtrusive, their roses trimmed down to a bare minimum. They facilitate a unique-to-themarket match of door and window fittings that can be achieved with any of 39 different handle designs in Aluminium, Stainless Steel, Brass and Bronze. Find out more from page 6 onwards.

Angular hardware solutions

Architectural trends are either actually set or, at the very least, ideally serviced by FSB. Our comprehensive range of angular hardware solutions, the latest additions to which are covered from page 18 onwards, are a demonstrable case in point.

New door-lever collections

Architects and designers get hands on for FSB from page 26 onwards. We present our tribute to Bauhaus luminary Ludwig Mies van der Rohe to coincide with the centenary of the movement being set up. Shigeru Ban has additionally come up with his ideal notion of a door lever for us.

FSB Anti-Infection Coating

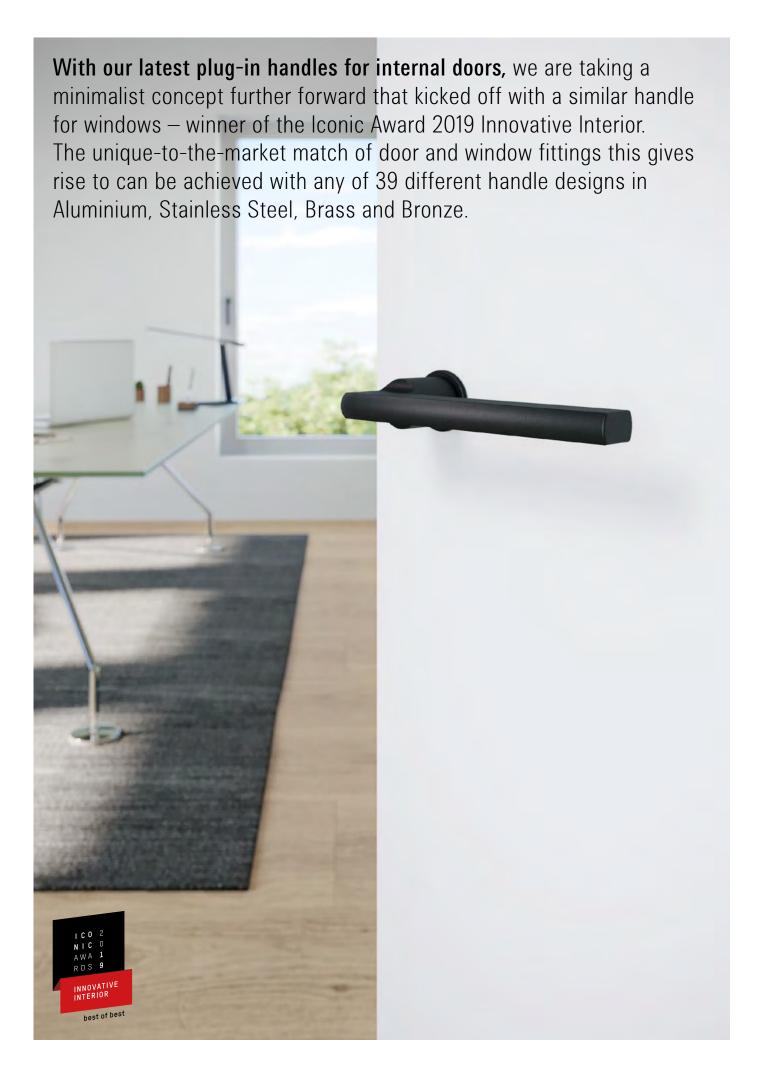
We recommend the FSB Anti-Infection Coating wherever hygiene und cleanliness are of the essence as, for instance, in hospitals and nursing institutions, see page 40 f.

FSB AGL® and FSB adaptor system

FSB AGL® has been a yardstick for decades. The new FSB AGL® 3.1 generation dazzles with optimised design and refined engineering on pages 44–45. FSB's adaptor system and individual parts are to be found from page 46 onwards.

What's new Door and window hardware

- 6 Plug-in handles for internal doors
- 12 Plug-in handles for windows
- 18 Angular hardware solutions
- 26 Door levers and heavy-duty collections
- 40 FSB Anti-Infection Coating (AIC)
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FSB plug-in handles for internal doors

Uniquely minimalist

FSB provides the wherewithal for fitting handles of consistent design and material to doors and windows anywhere from cellar to loft. FSB's new plug-in handles for internal doors follow on from those for both timber and metal windows and embody the same principle.

FSB's plug-in handle for internal doors is very much at home in select housing projects and, with the applicable certification pending, is equally suitable for ambitious Civic & Commercial schemes too. The formal and functional qualities of FSB's new plug-in handle come into their own wherever, in keeping with the adage "less is more", particular store is set by good design and unobtrusive elegance. Its rose measures just 30 mm across and 2 mm from top to bottom, a veritable feat of minimalism.

The hardware's inner values include unique-to-the-market scope for offsetting play between handle and lock, something that considerably simplifies matters at the assembly stage. The working parts are likewise revealed to be of typical FSB quality by having come through a million fatigue test cycles unscathed.

Fitting the new FSB plug-in handle is a very straightforward affair: first the door drillings for the clamping roses are prepared to suit a diameter of either 26 or 27 mm. This can be performed under the CNC system or else manually with a keyhole saw. Companion key roses are aligned and bonded to the door with the aid of a template. The clamping roses are now inserted into the door drillings on either side, whereupon the adaptors are slipped over the spindle running through the lock follower and firmly secured with screws. Once the cover roses have been slotted into place, the operation can be completed by plugging in the handles.

FSB plug-in handles for internal doors constitute the new Product Group 15. Their product codes are formulated in the same way as for the proven bearing FSB ASL®, Product Group 12. FSB plug-in handles for windows are covered from page 12 onwards.

The merits and properties of the new FSB plug-in handles for internal doors at a glance:

- easy to assemble
- door thicknesses 39-48 mm
- can be combined with any of 53 doorlever models
- 39 possible models as plug-in handles for both doors and windows
- supplied in Aluminium, Stainless Steel, Brass and Bronze
- available with or without key roses (warded lock, PC, WC)
- rose diameter 30 mm
- -7,8 and 8.5 mm square holes
- female handles on either side, adaptor system
- positively interlocking spindle connection
- grub-screw drilling at bottom
- scope for offsetting play between lock and fitting
- Class 4 testing to EN 1906 pending
- ability to withstand one million fatigue test cycles pending
- testing for PIV certification pending

Numerous merits for the new FSB plug-in handle can be downloaded along on the web at

www.fsb.de/pluginhandle

Plug-in handles for internal doors

with round rose

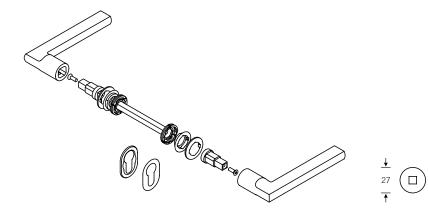


15 1035

Plug-in handle for inernal doors with round rose

The differing variants available are set out alongside citing the example of the FSB 1035 model. Any of the models listed on pages 10–11 can be supplied in these variants.

Dimensioned drawings of the various door-lever designs covered on pages 10–11 are to be found on pages 73–267 of FSB Manual 13.



Plug-in handles for internal doors

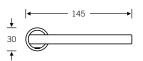
Sets

15 1035 013..



15 1035 01302 (□ 8 mm) 15 1035 01304 (□ 8.5 mm)

Lever handle units with WL-rose

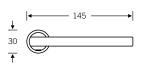






 $\begin{array}{c} 15\ 1035\ 01310\\ (\square\ 8\ mm) \\ 15\ 1035\ 01311\\ (\square\ 8.5\ mm) \\ 15\ 1035\ 11316\\ (\square\ 7\ mm) \end{array}$

Lever handle units with PC-rose





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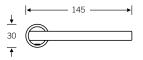
15 1035 019..





15 1035 01954 (□ 8/8 mm) 15 1035 01988 (□ 8.5/7 mm) 15 1035 11984 (□ 7/6 mm)

Lever handle units with bathroom-rose





Plug-in handles for internal doors Product Chart

15 1001	15 1003	15 1004	15 1005	15 1012
15 1015	15 1016	15 1020	15 1021	15 1023
15 1025	15 1027	15 1028	15 1034	15 1035
15 1045	15 1051	15 1057	15 1058	15 1070
15 1075	15 1076	15 1077	15 1078	15 1093
15 1102	15 1106	15 1107	15 1108	15 1119





with timber or metal profile

Now, anyone for whom less is more can finally enjoy the visual allure of slimline plug-in handles that sit well on both Aluminium and timber profiles.

The new FSB plug-in handle aids correct operation of the window by both tactile and acoustic means. The window can be heard and felt to slot into position at 90° intervals when opened, closed and tilted.

How FSB plug-in handles with round roses are assembled does not depend on the window drive mechanism, as assembly is via a deadlock in the profile.

The option of fitting plug-in handles to timber frames is new to the market. Assembly in such cases merely involves ordering an additional adaptor (Product code 03 0401 00000 0400) that facilitates deadlocking.

All FSB window handles fitted with ball catches – and hence also its plug-in handles – are engineered to deliver 25,000 operations / 150,000 click-stop events (180° turn-and-tilt cycles), earning them the highest quality rating of 5/180 under DIN EN 13 126-3. This standard defines requirements for window handles that are designed to ensure consistent quality and fitness for function over many years. The RAL Quality Assurance Association has re-aligned its requirements with the criteria set forth in DIN EN 13126-3, meaning that hardware merely now needs to endure 10,000 180° tilt-turn cycles to qualify for the RAL quality kitemark.

Important notes

For metal profiles: the borehole layout needed for plug-in handles must accord with the window profile selected.

For timber profiles: a depth of 9.3 mm in the timber profile is required for the fixing rose, a depth of 12 mm for lockable plugin handles

Lockable FSB plug-in handles

A new solution involving a lock cylinder that can be comfortably operated by key or push-button from the front is of ideal assistance in implementing security schemes for burglar resistant windows in the form of lockable window handles. It is possible using the lock cylinder to additionally fit a selection of the FSB plugin handles shown on page 17 to burglar resistant windows. Thus functional addons can be executed in the same style and material as your favoured handle! It goes without saying that certification to the RAL quality standard RAL-GZ 607/9 and to DIN EN 13126-3 respectively is pending for these solutions, too, and that they are wholly suitable for burglar resistant windows of classes RC 1 to RC 6 as per standards DIN EN 1627 to 1630.

FSB plug-in handles at a glance

- suitable for metal and timber profiles
- variable spindle projection 24-38 mm
- round rose
- assembly not dependent on window drive
- secure clamping mechanism
- concealed fixing
- tested to DIN EN 13126-3
- in Aluminium, Stainless Steel, Brass and Bronze
- identical female handle for plug-in handles as for door levers
- also available as a lockable variant, with lock cylinder or push-button

Numerous merits for the new FSB plug-in handle can be downloaded along on the web at

www.fsb.de/pluginhandle

Classification codes as per DIN EN 13126-3

For plug-in handles with click-stop mechanism

2 | 5/180 | - | 0 | 1 | 4 | 0/0 | 3/C1 | - |

For lockable plug-in handles

2 | 5/180 | - | 0 | 1 | 3* | 2/3 | 3/C1 | - | | * finishes Brass. Bronze. Class 0

Product codes for FSB plug-in handles

Heavy-duty variant for timber and metal profiles

34 71101 (round rose)

- rose surface-mounted on profile
- with ball catch
- fatigue resistance rating 5/180 as per DIN EN 13126-3
- clamping mechanism
- the cover rose clips onto the base rose
- 7 mm □-spindle
- − rose dimensions Ø 30 mm
- concealed fixing
- length variable 24–38 mm (standard version supplied)
- adaptor system

03 0401 00000 0400

Fixing rose for assembly on timber profiles

Heavy-duty variant for timber and metal profiles, lockable:

34 71423 (round rose)

Lock cylinder, variable spindle projection 29–34 mm

34 71424 (round rose)

Lock cylinder, variable spindle projection 34–39 mm

34 71723 (round rose)

Push-button, variable spindle projection 29–34 mm

34 71724 (round rose)

Push-button, variable spindle projection 34–39 mm

- rose surface-mounted on profile
- with ball catch
- fatigue resistance rating 5/180 as per DIN EN 13126-3 pending
- clamping mechanism
- the cover rose clips onto the base rose
- 7 mm □-spindle
- rose dimensions Ø 30 mm
- concealed fixing
- length variable 29–34 resp. 34–39 mm (standard version supplied)
- adaptor system

03 0401 00001 0400

Accessory bag for fitting handles to timber windows (lockable)

with timber and metal profile



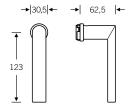


34 71101

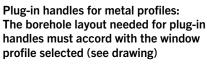
Plug-in handles for windows with timber and metal profile

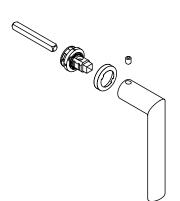
Plug-in handle for timber profiles in combination with a fixing rose 03 0401 00000 0400

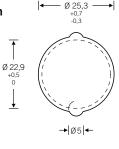


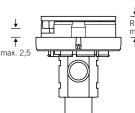


with plug-in handle

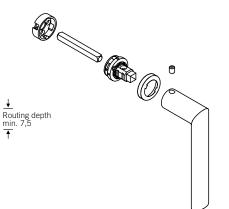


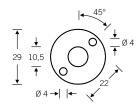


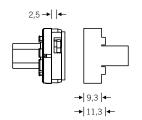




Plug-in handles for timber profiles: A depth of 9.3 mm is required in the timber profile to accommodate the fixing rose.







Please note that it is only possible to rout out the recesses for FSB plug-in handle solutions using a CNC machining centre. High-precision routing-out data are to be found at www.fsb.de/cnc

with metal profile, lockable

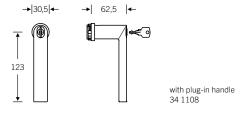


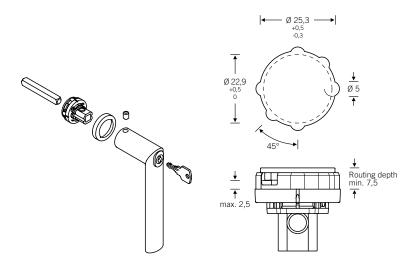


34 71

- 34 71423 (variable spindle projection 29–34 mm)
- 34 71424 (variable spindle projection 34–39 mm)
- 34 71723 (push-button, variable spindle projection 29–34 mm)
- 34 71724 (push-button, variable spindle projection 34–39 mm)

Plug-in handles for metal profiles, lockable





Please note

The borehole layout needed for plug-in handles must accord with the window profile selected (see drawing)

Models featuring a lock cylinder can also be fitted to burglar resistant windows. The following models are available as lockable variants with 100 Nm resistance to forcing: 1001, 1076, 1078, 1093, 1108, 1144, 1222, 1244

No "tilt-to-turn" action possible

Please note that it is only possible to rout out the recesses for FSB plug-in handle solutions using a CNC machining centre. High-precision routing-out data are to be found at www.fsb.de/cnc

with timber profile, lockable





34 71

34 71423 (variable spindle projection 29–34 mm)

34 71424 (variable spindle projection 34–39 mm)

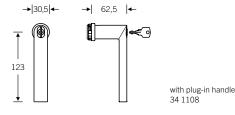
34 71723 (push-button, variable spindle projection 29–34 mm)

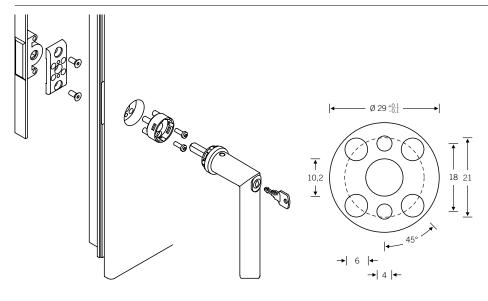
34 71724 (push-button, variable spindle projection 34–39 mm)

Plug-in handles for timber profiles, lockable

An additional fixing rose and mounting plate are required, see page 81.

Accessory bag: 03 0401 00001 0400





Please note:

A depth of 12 mm is required in the timber profile to accommodate the fixing rose. The area routed out on the profile for the mounting plate needs to measure at least 6.5×58 mm.

Models featuring a lock cylinder can also be fitted to burglar resistant windows. The following models are available as lockable variants with 100 Nm resistance to forcing: 1001, 1076, 1078, 1093, 1108, 1144, 1222, 1244

The lockable version will be available from February 2019.

No "tilt-to-turn" action possible

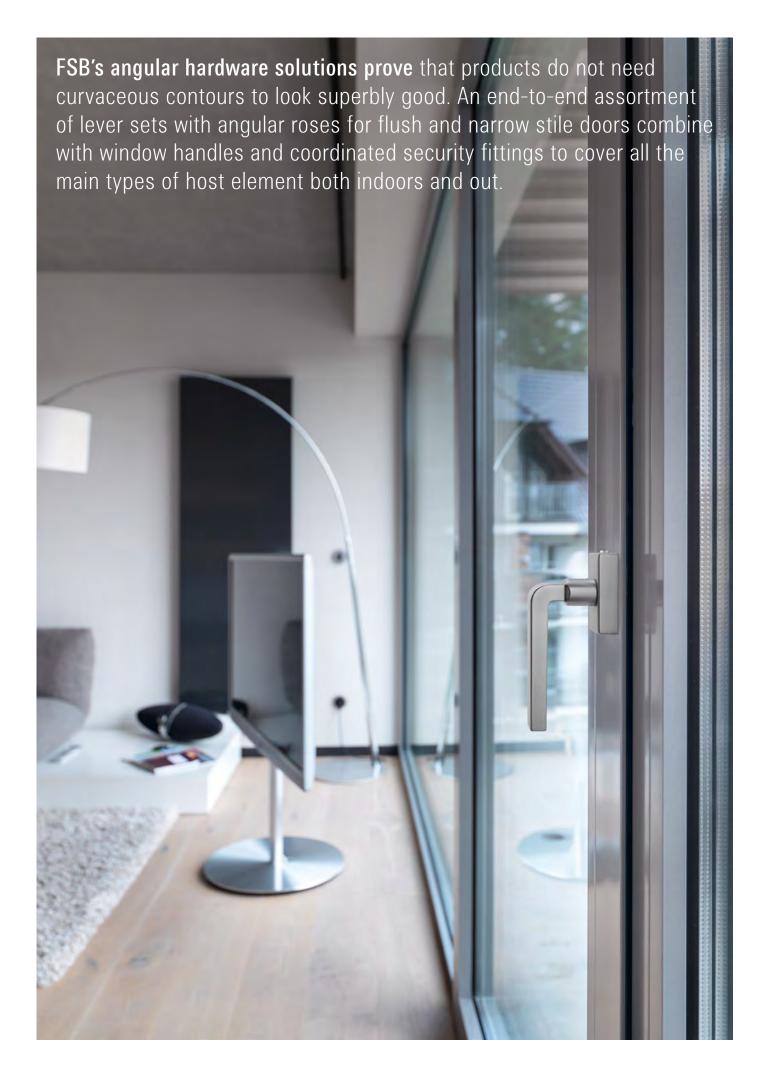
Please note that it is only possible to rout out the recesses for FSB plug-in handle solutions using a CNC machining centre. High-precision routing-out data are to be found at www.fsb.de/cnc

Product Chart





^{*} can be supplied as a lockable variant



Continuity of design

The quality of FSB's angular roses, and the loving attention to detail they so typically embody, derive from their uniquely focused sequence of edges in combination with a variety of handle types such as those for flush doors, narrow stile doors or windows.

Angular roses from Brakel go particularly well with product collections by Hadi Teherani (FSB 1183), Hans Kollhoff (FSB 1163) and David Chipperfield (FSB 1004), the lever handles in which have been pared down and given pronounced edges on their gripping sections. Basically speaking, though, any FSB handle design can be supplied with angular roses.

Lifting/sliding door fitting FSB 34 1163 with angular rose

The FSB 1163 product collection by Hans Kollhoff now includes a lifting/sliding door fitting. The design of FSB 1163 harmonises particularly well with its new angular rose, which can also, furthermore, be combined with any other FSB lifting/sliding door handle in Aluminium, Stainless Steel or Bronze.

New lockable window handles with angular roses

The new lockable window handles with angular roses supplement the established oval variant. They are suitable for burglar resistant windows as defined in DIN EN 1627 to 1630, standards that, as one has come to expect from FSB products, are considerably outperformed in some respects. Lockable FSB window handles also fulfil the manifold security criteria and structural provisions of the RAL quality standards, as well as those of the DIN EN 13126-3 standard applicable at European level.

DIN EN 13126-3 specifies ratings for a variety of functional-longevity and mechanical-strength requirements. FSB's high-quality design engineering puts it in the top category under this standard. All lockable FSB window handles can, therefore, be fitted to burglar resistant windows of categories RC 1 to RC 6 without restriction.

In addition, a version for push-button operation is likewise available that requires the use of both hands and makes tampering from the outside even more difficult. Lockable window handles for window drives with a "tilt-to-turn" action (not burglar resistant as defined in the DIN EN 1627-1630 or RAL quality control standards) prevent unauthorised opening of windows without in any way diminishing the capacity for ventilation.

New angular security fittings

FSB security fittings are recommended for main and internal entrance doors and are, of course, likewise to be had with angular styling. Classic designs take the form of models FSB 73 7376, FSB 73 7379 and FSB 7383.

Please allow us, in addition to these new items, to also draw attention to our angular classics:

- security fitting FSB 73 7360
- angular armoured roses
- angular doorknobs
- crossbar handles FSB 6519/6520, FSB 6527, FSB 6548
- S-Flat push/pull pad handle series

Window handles lockable

34 1076

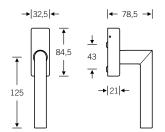
34 1076 180

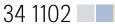
Classed as burglary-deterrent under EN 1627 ff.

Options of keys to differ, keys alike and tilt-to-turn*.

Adaptor can be fitted pointing up or down and in conjunction with almost all FSB handle models.









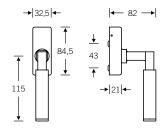
34 1102 180 (lock cylinder) 34 1102 086 (push button)

Classed as burglary-deterrent under EN 1627 ff.

Options of keys to differ, keys alike and tilt-to-turn*.

Adaptor can be fitted pointing up or down and in conjunction with almost all FSB handle models.







The FSB 1102 model in Aluminium can only be supplied in 0105 Natural-Colour Anodised

* Is not classed as burglary-deterrent under EN 1627ff. and is not RAL approved. Please advise DIN handing when ordering.

Optionally with automatic locking, i. e. the cylinder has to be closed before the key can be withdrawn.

Lifting/sliding door fitting

34 1163



Lifting/sliding door pulls with 180° catch, turnably fixed, concealed fixing, 10 mm square spindle

.... 02100

no keyway, M6 threaded lugs, for back-to-back fixing to variant 02102

.... 02101

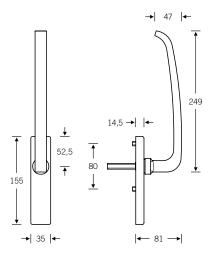
PC keyway, M6 threaded lugs, for back-to-back fixing to variant 02103

.... 02102

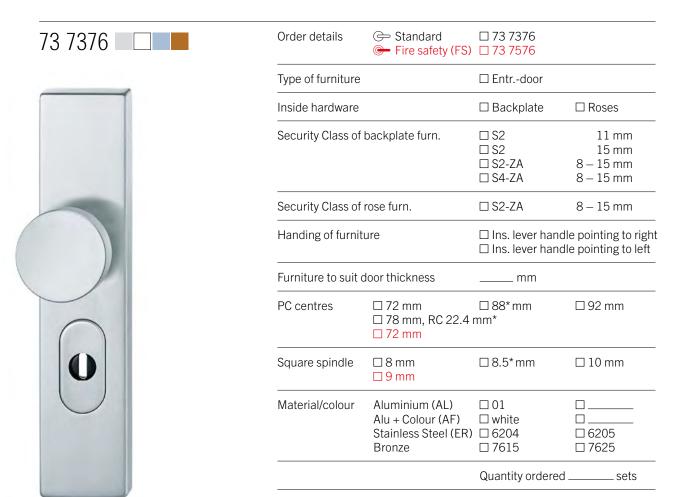
no keyway, M6 \times 80 mm screws, for back-to-back fixing to FSB 42 4215 or variant 02100

.... 02103

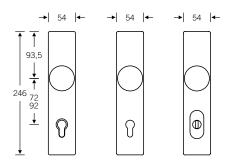
PC keyway, M6 \times 80 mm screws, for back-to-back fixing to FSB 42 4215 or variant 02101

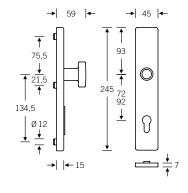


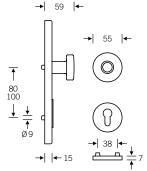
Security fittings Design + Security



Lever-handle models by material: FSB 1107 (Aluminium, Alu + Colour, Stainless Steel) FSB 1023 (Bronze)







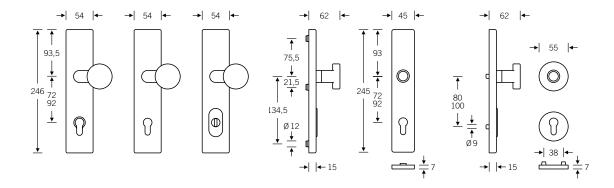


* S2-ZA only

Security fittings Design + Security



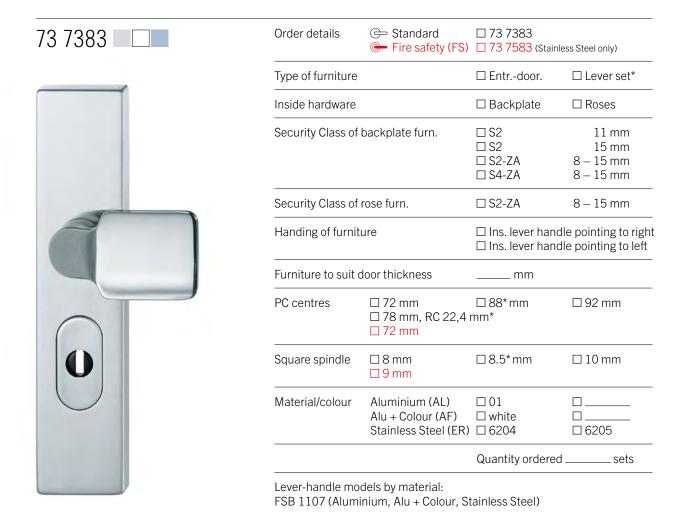
Lever-handle models by material: FSB 1107 (Aluminium, Alu + Colour, Stainless Steel) FSB 1023 (Bronze)

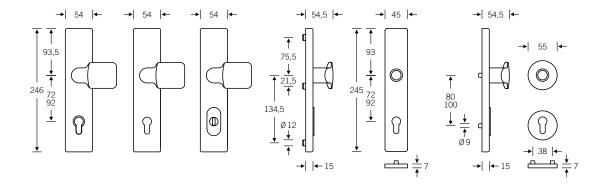




* S2-ZA only

Security fittings Design + Security







It is with delightful regularity that selected architects and designers get hands-on to create their own ideal notion of a door handle for FSB. This is the source of many a noted FSB handle collection, handles that constitute "architecture in miniature" in the best possible way and reflect the design approach of their authors in both shape and application.

Door-lever and heavy-duty collections

Architects and designers get hands-on

We feel that decisions for or against a given door-handle model always need to be taken bearing the surrounding architecture in mind. The FSB product portfolio contains a correspondingly broad range of designs to suit all manner of styles and tastes. We have now added two more outstanding works in the form of our tribute to Ludwig Mies van der Rohe and Shigeru Ban's door lever for the carbon age.

Mies van der Rohe re-interpreted: the FSB 1267 door-lever collection

The Bauhaus will be celebrating the centenary of its inauguration in 2019. The movement's repercussions are still being felt today and it continues to inspire designers across the world. Ludwig Mies van der Rohe has gone down as one of the leading architects of modernity and was a master of the era. But his interest was not merely confined to the actual buildings. He completed the setting with items of furniture such as the Barcelona Chair, testimonies to good taste that are still drooled over today.

The principle of "less is more" advocated by Mies van der Rohe also found expression in a range of door handles he devised for his building projects. One early model dates from around 1928 and appears in Catalogue No. 6 issued by S. A. Loevy, a Bronze works in Berlin. The door handles van der Rohe conceived reveal his usual grasp of form and materiality. He was, for instance, well aware of the close link between a material and the patina that comes with use; he knew full well that, far from deteriorating when used, door handles can actually acquire added beauty, especially those made of Bronze.

The identifying features of the door levers Ludwig Mies van der Rohe designed are partly of an ergonomic/functional nature, cases in point being the flowing transition from round neck to flat, raised-oval grip complete with forefinger furrow. But his designs are also endowed with a cleanlined, focused formal vocabulary consistent with the technical perfection of his architecture. The FSB 1267 product collection designed by Hartmut Weise takes the original flowing transition from circular neck to flat grip and re-interprets it, in the process reducing the forefinger furrow to a mere notion. The actual grip has been levelled out. The added volume and straightened grip provide scope for firesafety approved Aluminium models and return-to-the-door lever handles with a visual presence that would have surely accorded with the architectural intentions of Mies van der Rohe.

The upshot is an exceedingly elegant, highly articulate range of lever handles for doors that capture the creative spirit of their precursors and carry it forward into the architecture of our own age. All models can be supplied as fire-safety approved variants, are prepared for the FSB ASL®/AGL® bearing systems and fulfil FSB's exacting quality and engineering standards.

Door lever for the carbon age: FSB 1262 by Shigeru Ban

Japanese architect and Pritzker prize-winner Shigeru Ban married a carbon grip to an Aluminium neck when producing door lever FSB 1262. The technological gleam of silver-coloured Aluminium goes well with hi-tech carbon, a material with very special properties. Highly elastic in the raw state, it becomes five times stronger than steel once hardened — yet is exceeding lightweight. These are qualities that open up new potential both in design and production.

It is now straightforwardly possible to produce hollow shapes that require no internal reinforcement whatsoever, for instance. The hollow grip on FSB 1262 is produced wholly by hand — and the upshot is as indestructible as it is visually alluring. The fibre mats FSB makes use of are particularly finely textured. Owing to the grip not being lacquered, the user gets to enjoy the true feel of carbon when taking hold of the handle. As an alternative to the Aluminium-plus-carbon model, FSB also supplies a variant made completely of Aluminium.

Form and function enter into a symbiosis, wholly in keeping with building regulations, that's as simple as it is ingenious: the dedicated handle neck is a feature in both the standard and cranked model variants. The grip's cross-section describes a pleasant-to-hold ellipse, cut away at an angle of 45 degrees at one end to reveal a circular face. This is a geometry that facilitates consistent styling whether the model is angled back towards the door or not.

Door-lever and heavy-duty collections

FSB 1267

The tribute FSB is paying the revered Ludwig Mies van der Rohe coincides with the centenary of the founding of the Bauhaus. FSB 1267 is more than just a replica of an original Mies van der Rohe door lever, however. Whilst retaining the formal thrust of its forebears, our interpretation also conforms to present-day standards and the requirements of modern architecture.





Glass-door hardware



Standard • • •

here: 13 4223 with 12 1267

Narrow-door handles





Standard

09 1268 (in-line) 06 1268 (cranked)

Door knobs





23 0829* (for flush doors) 07 0809* (for narrow stile doors)

Window handles





		⊃
Rose 27 × 62 × 10	•	
Rose 32.5 × 70 × 10	•	
Rose 25.5 × 60.5 flush-fit	•	
Lockable	•	
Plug-in handle	•	

34 1267

^{*} The doorknobs shown are complementary fittings from the FSB range

FSB 1267

Plug-in handle for internal doors and windows, window handle

15 1267

€ 15 1267 01302 (WL)

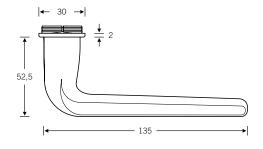
€ 15 1267 01310 (PC)

© 15 1267 01954 (WC)

= 15 1267 01320 (without key rose)

Plug-in handle for internal doors





34 1267

34 1267 71101

Plug-in handle for windows

34 1267

34 1267 09030 (b=27 h=62)

 $34\ 1267\ 09039\ (b=32.5\ h=70)$

 $34\ 1267\ 09034$ (b $25.5\ h = 60.5\ flush-fit)$

34 1267 170 (lockable)

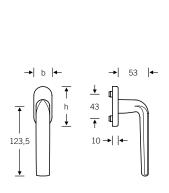
34 1267 076 (push-button)

Window handle











FSB 1268

Lever handles for narrow stile doors



FSB 1267

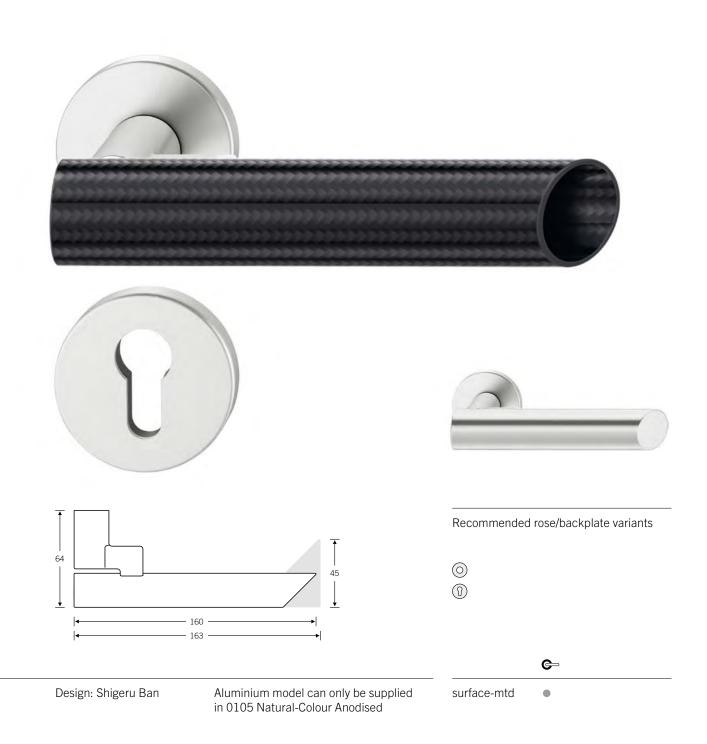
Product Collection

Lever/lever sets		 ← 72 1267 613 (RH) ← 76 1267 613 (RH) ← 79 1268 613 (RH) ← 12 1267 013 (NH) 	72 1267 614 (LH)76 1267 614 (LH)79 1268 614 (LH)
		© 15 1267 013 (NH)	
	00	© 72 1267 607 (RH) © 76 1267 607 (RH) © 79 1268 607 (RH) © 12 1267 007 (NH)	© 72 1267 608 (LH) © 76 1267 608 (LH) © 79 1268 608 (LH)
	0 0	© 72 1267 627 (RH) © 76 1267 627 (RH) © 79 1268 627 (RH) © 12 1267 027 (NH)	© 72 1267 628 (LH) © 76 1267 628 (LH) © 79 1268 628 (LH)
		© 13 4223 042 (RH) with 72 1267 61350 (RH) © 13 4223 042 (RH) with 12 1267 013 (NH) © 13 4223 041 (RH) with 10 1267 04642	© 13 4223 052 (LH) with 72 1267 61450 (LH) © 13 4223 052 (LH) with 12 1267 013 (NH) © 13 4223 051 (LH) with 10 1267 04652
Narrow-door handles		© 09 1268 111 © 09 1268 112	
		© 06 1268 011 ⊙ 06 1268 012	→ 06 1268 023 (ILF)
Narrow-door knobs	О Д	07 0829 228 (fixed) 07 0829 428 (fixed)	
		07 0809 228 (fixed)	
	<u></u>	17 1757	

Lever/knob sets		 ₹ 72 1267 615 (RH) ₹ 76 1267 615 (RH) ₹ 76 1267 619 (ILF) ₹ 79 1268 615 (RH) ₹ 79 1268 619 (ILF) ₹ 12 1267 015 (NH) 	© 72 1267 616 (LH) 76 1267 616 (LH) 79 1268 616 (LH)	
		© 72 1267 609 (RH) 76 1267 609 (RH) 76 1267 611 (ILF) 79 1268 609 (RH) 79 1268 611 (ILF) 12 1267 009 (NH)	© 72 1267 610 (LH) © 76 1267 610 (LH) © 79 1268 610 (LH)	
		 ₱ 72 1267 629 (RH) ₱ 76 1267 629 (RH) ₱ 76 1267 631 (ILF) ₱ 79 1268 629 (RH) ₱ 79 1268 631 (ILF) ₱ 12 1267 029 (NH) 	© 72 1267 630 (LH) 0 76 1267 630 (LH) 0 79 1268 630 (LH)	
Bathroom sets	(8)	© 72 1267 619 (RH) © 12 1267 019 (NH)	© → 72 1267 620 (LH)	
		© 15 1257 01954 (NH)		
	8	© 72 1267 611 (RH) © 12 1267 011 (NH)	€ 72 1267 612 (LH)	
	8	© 72 1267 631 (RH) © 12 1267 031 (NH)	€ 72 1267 632 (LH)	
Window handles		34 1025 09030 (rose 27 × 62 × 10) 34 1025 09039 (rose 32.5 × 70 × 10) 34 1025 09034 (rose 25.5 × 60.5 flush-fit) 34 1025 170 (lock adaptor RC 1–6) 34 1025 076 (lock adaptor with push-button RC 1–6		
		34 1267 71101 (plug-in handle for windows)		

NH = non-handed RH = DIN righthand LH = DIN lefthand ILF = inactive leaf furniture

Carbon or Aluminium? — A familiar question for racing cyclists. The Japanese architect and Pritzker prize-winner Shigeru Ban has a ready answer for door handles at least, i. e. "Both"! FSB 1262 combines a carbon grip in the shape of a pleasing-to-hold ellipse with an Aluminium neck to suit both standard and cranked handle models.





e

©

Glass-door hardware



Standard

here: 13 4220 with 12 1262

Narrow-door handles



Standard

09 1263 (in-line) 06 1263 (cranked)

Door knobs





Flush doors

Narrow stile doors

23 0829* (for flush doors) 07 0809* (for narrow stile doors)

Window handle



Rose 27 × 62 × 10

Rose $32.5 \times 70 \times 10$

Lockable

34 1262

Material options (please advise with order):

- Aluminium
- lever neck/rose Aluminium, grip Carbon (Aluminium only available in 0105)

* The doorknobs shown are complementary fittings from the FSB range

FSB 1262

Window handle

34 1262

34 1262 09030 (b=27 h=62)

34 1262 09039 (b=32.5 h=70)

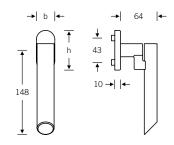
34 1262 170 (lockable)

34 1262 076 (push-button)



Please advise choice of materials when ordering





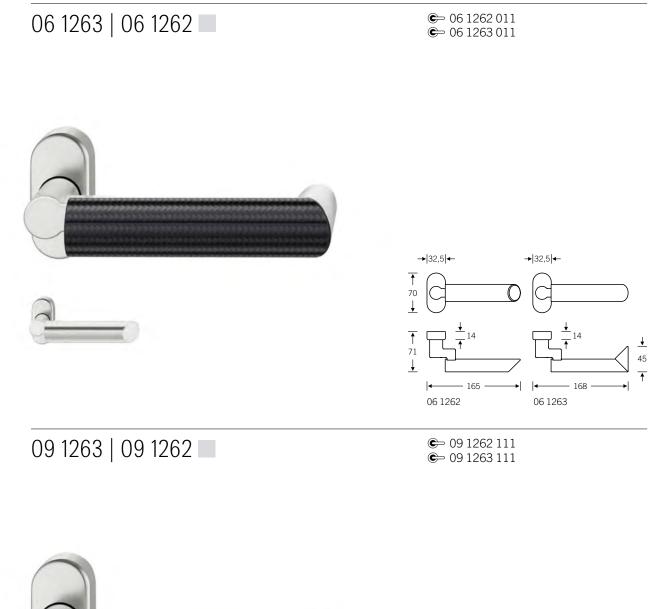


Material options (please advise with order):

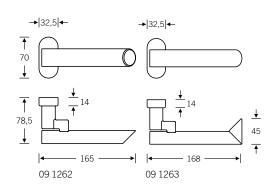
- Aluminium
- lever neck/rose Aluminium, grip Carbon (Aluminium only available in 0105)

FSB 1262

Lever handles for narrow stile doors







Material options (please advise with order):

- Aluminium
- lever neck/rose Aluminium, grip Carbon (Aluminium only available in 0105)

FSB 1262

Product Collection

Lever/lever sets		• 12 1262 013 (NH) • 12 1263 013 (NH)	
	0 0	• 13 4220 042 (RH) with 12 1262 61350	➤ 13 4220 052 (LH) with 12 1262 61450
Narrow-door handles		© 09 1262 111 © 09 1263 111	
		© 06 1262 011 © 06 1263 011	
Narrow-door knobs	Q I	07 0829 228 (fixed) 07 0829 428 (fixed)	
		07 0809 228 (fixed) • 07 0809 428 (fixed)	
	0	17 1757	

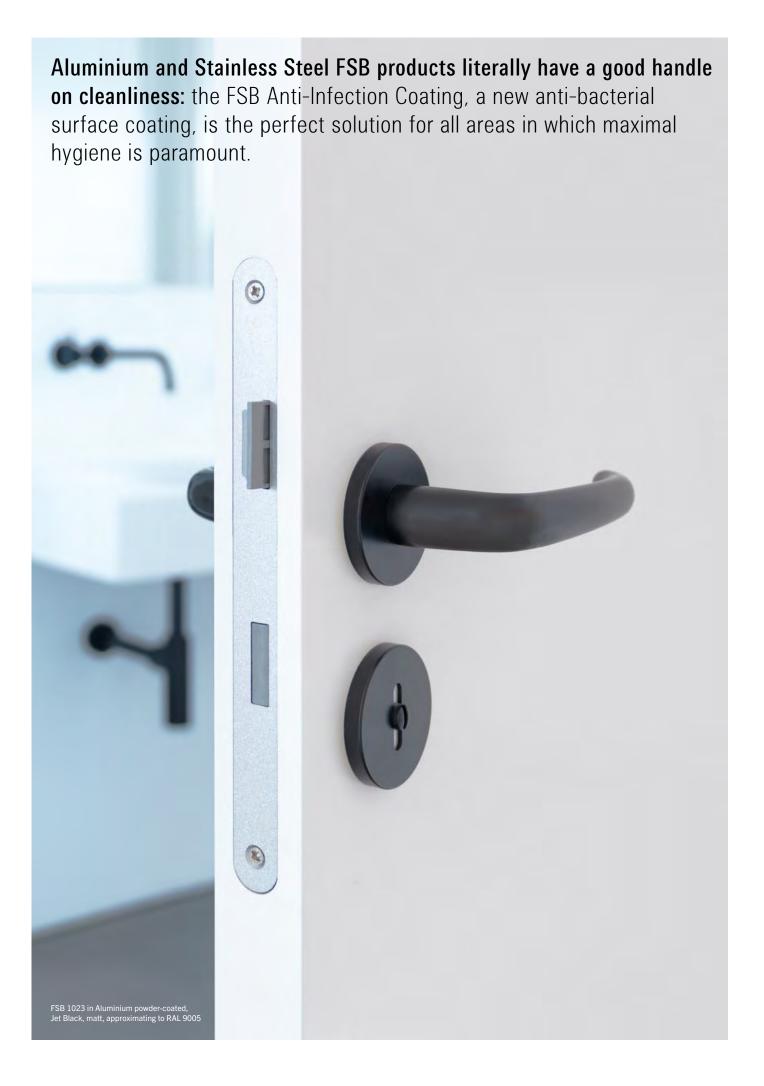
NH = non-handed

RH = DIN righthand

LH = DIN lefthand

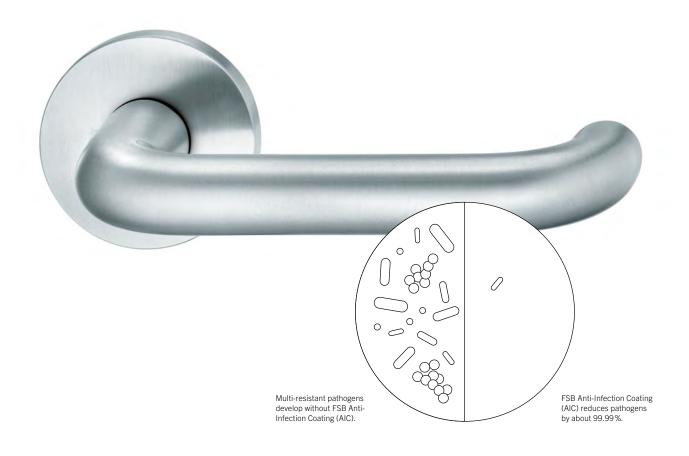
ILF = inactive leaf furniture

Lever/knob sets		• 12 1262 017 (NH) • 12 1263 017 (NH)	
Bathroom sets	(a) (b) (c)	• 12 1262 019 (NH) • 72 1262 619 (RH)	€ 72 1262 620 (LH)
Window handles		34 1262 09030 (rose : 34 1262 09039 (rose : 34 1262 170 (lock ada 34 1262 076 (lock ada	32.5 × 70 × 10)



FSB Anti-Infection Coating (AIC)

At a glance



Tried and tested efficacy

Reduces multi-resistant pathogens by 99.99%. Certified to ISO 22196:2011 (effect of anti-bacterial activity on Stainless Steel and Aluminium surfaces)



For hygiene-sensitive areas

We recommend AIC in the first instance for hygiene-sensitive areas in hospitals and nursing institutions, though it suggests itself just as readily for public buildings, hotels, canteen kitchens or cruise liners.

Double the cleanliness

AIC is an environmentally friendly, non-toxic coating of the kind also used in the food industry and does not contain either nanoparticles or silver ions.

Easy-care

AIC withstands all commonly marketed cleansers and disinfectants.

For Stainless Steel and Aluminium

All FSB products in Stainless Steel and Aluminium — both anodised or powder-coated in RAL colours — can be treated with AIC.

Dependable action

To ensure the continuous control of 99.99% of all germs, we recommend reapplying the coating every 24 months. Products can be re-treated on site by FSB customer service operatives. Please consult the FSB Field Service for further information.

Marking of coated products

With AIC being colourless and hence invisible, coated products are marked on the back so as to be able to tell them apart from their non-coated counterparts when they are fitted.

Bespoke products made to measure

We manufacture handrails and many other items — with or without AIC — to order in accordance with your specific wishes and requirements.

FSB AGL® delivers product and assembly benefits that set new benchmarks for doors. FSB AGL® has for more than three decades now been a byword for unsurpassed heavy-duty hardware with a functional durability proven millions of times over. What was always good is now even better with the new generation.



FSB AGL® 3.1

The new generation

Continuously and flexibly absorbing the forces exerted on heavily frequented doors over long periods requires a particularly high-performing bearing, one that goes by the name of FSB AGL®.

FSB AGL® dependably cushions tensile and compressive forces with the aid of a rubber-metal joint and operates with low-friction, Teflon-coated, sliding-bearing bushings.

The two halves of the handle set are positively locked onto the square spindle: the male half at the works, the female half (adaptor) in the course of assembly. The adaptor technology makes for effortless assembly by obviating the need to "screw past" the handle neck. FSB AGL® reliably compensates for any play brought about by the interaction between door drill holes, lock/lock mortice and Stabil spindle, moreover.

A positive mechanism with spring pretensioning pursuant to EN 1906 / Type of Operation B comprehensively puts an end to handle sag. FSB AGL® fittings also feature a 0° stop built into the positive mechanism that ensures handles are always perfectly horizontal when at rest instead of being displaced about 2 degrees upwards from their – ideally horizontal – position by the lock spring, as is so often the case. The positive mechanism serves to pre-empt the lock spring from acting in this way.

We have further refined this well-conceived technology for the new generation of FSB AGL® — in the process again setting standards for heavy-duty bearings.

Optimised design

We have adapted the size of the cover rose to an internal diameter of 22.5 mm. The black guide ring is no longer visible as a result, as was already the case with FSB ASL®. Fittings thus have a uniform appearance regardless of which of the bearing variants is in use.

Refined engineering

We have additionally incorporated FSB AGL® into our kit system (see from page 46 onwards). The male-handle side has been adapted to this end by fitting it with the new FSB adaptor system.

A cup point is used instead of a grub screw, as in FSB ASL® sets. This accordingly entails making use not of a normal spindle with clamping plates but of a "slotted" spindle.

The amply proven system of joining male and female handles together remains unaltered, as do levels of tensile loading and angular movement.

FSB adaptor system

- 50 Parts for FSB ASL® sets
- 51 Parts for backplates and roses, glass-door fittings
- 78 Parts for window handles
- 82 Lever handles for narrow stile doors

FSB's adaptor system sets new standards. FSB opens up an unprecedented degree of flexibility in the handling of both sets and parts with this innovation: you the user benefit from the combinability of components from the moment of ordering to that of assembly.



FSB adaptor system

Configuring hardware along kit-system lines

FSB's new adaptor system enables hardware to be configured along kit-system lines. Either the products desired can be ordered as a set (all-inclusive package) or else the respective individual parts can be pieced together to customised specifications (some products cannot be supplied as complete sets). The following sets and individual components are available:

FSB ASL®

Sets:

- lever set with roses
- WC set with roses
- lever/knob set with roses
- lever set with short backplates
- WC set with short backplates
- lever/knob set with short backplates
- lever set with long backplates
- WC set with short backplates
- lever/knob set with long backplates

Backplates, roses and glass-door fittings Combinable parts:

- comando parto.
- long backplates visibly fixed
- short backplates visibly fixed
- broad backplate
- renovation-job backplate
- cut backplates visibly fixed
- cut roses visibly fixed
- flush roses
- glass-door fittings

Window handles

Sets

- window handle with narrow rose angular/oval
- window handle with normal rose angular/oval
- lockable window handle angular/oval with lock cylinder
- lockable window handle angular/oval with push-button
- plug-in handle (selected models also available as lockable variants)

The product codes for complete FSB ASL® sets can be gleaned from pages 73–267 of FSB Manual 13. The components in an FSB ASL® set can likewise be ordered individually.

Backplates, roses and glass-door fittings can be ordered individually. Please note that new product codes apply for conversion of the FSB backplates and roses shown to the new FSB adaptor system.

The product codes for complete FSB window-handle sets can be gleaned from Pages 314—352 of FSB Manual 13. The components of an FSB window-handle set can likewise be ordered individually.

All product codes for the components in FSB sets as well as for backplates, roses and glass-door fittings are detailed on the following pages.

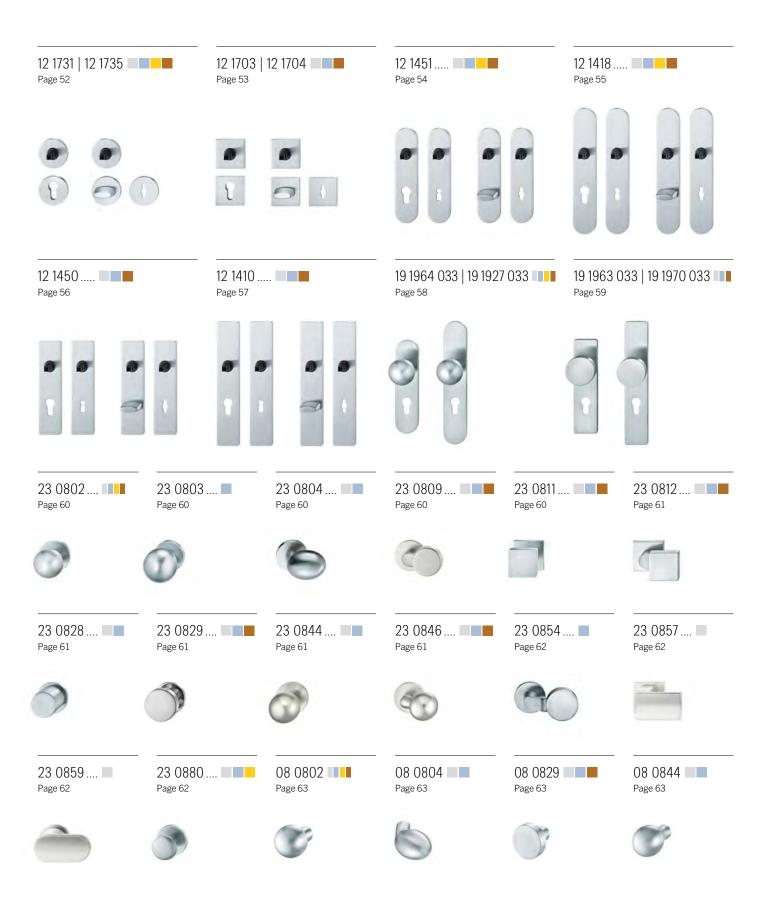
FSB adaptor system Door-lever models for combination with backplates, roses and glass-door fittings Product Chart

1001	1003	1004	1005	1012
	1			
1015	1016	1020	1021	1023
1025	1027	1028	1034	1035
				<u>a</u>
1045	1051	1057	1058	1070
1075	1076	1077	1078	1093
		8		
1102	1106	1107	1108	1119
				2

1135	1144	1146	1147	1159
1160	1163	1171	1173	1176
1183	1185	1186	1188	1222
1226	1230	1232	1233	1241
1242	1244	1246	1250	1251
1254	1257	1259	1262	1267

FSB adaptor system Parts for FSB ASL® sets

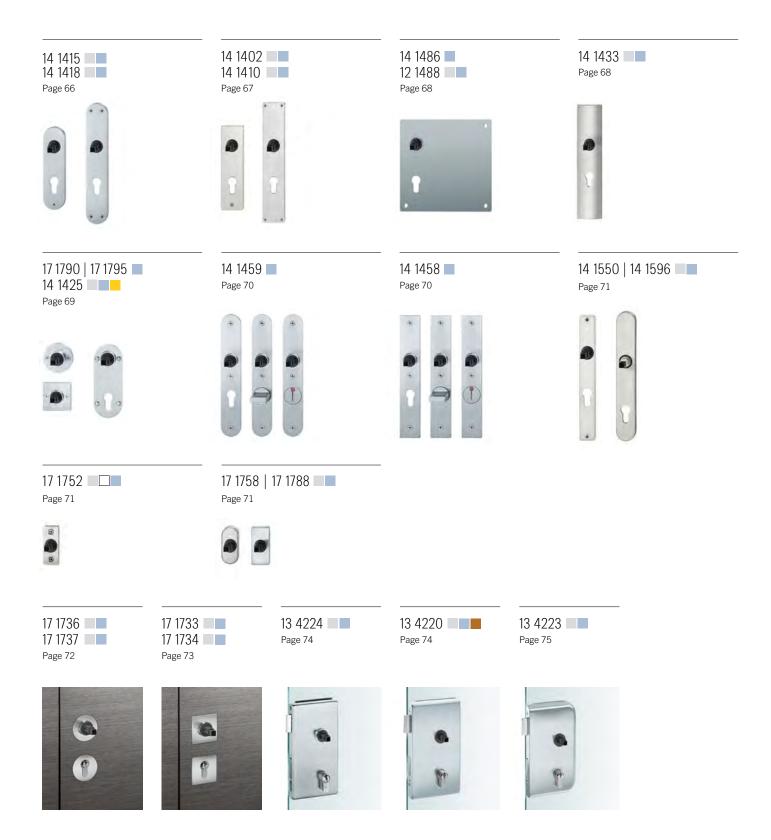
Product Chart



FSB adaptor system Parts for backplates, roses and glass-door fittings

Aluminium
Stainless Steel
Brass
Bronze

Product Chart



Round roses

12 1731 | 12 1735

12 1731 00101 (lever rose)

12 1735 00010 (key rose PC)

12 1735 00002 (key rose WL)

12 1735 00000 (key rose blind)

12 1731 10101 (lever rose, without lugs)

12 1735 10010 (key rose PC, without lugs)

12 1735 10002 (key rose WL, without lugs)

12 1735 10000 (key rose blind, without lugs)

12 1735

12 1735 00054 (bathroom rose)

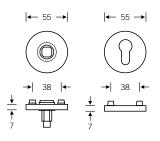
12 1735 10254 (bathroom rose, without lugs)

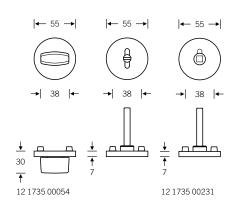
12 1735 00231 (bathroom rose with emergency release)

12 1735 10231 (bathroom rose with emergency release, without lugs)









For a synopsis of all FSB ASL® combination options and product codes, see FSB Manual 13, pages 73–267

Square roses

12 1703 | 12 1704 |



- 12 1703 00101 (lever rose)
- 12 1704 00010 (key rose PC)
- 12 1704 00002 (key rose WL)
- 12 1704 00000 (key rose blind)
- 12 1703 10101 (lever rose, without lugs)
- 12 1704 10010 (key rose PC, without lugs) 12 1704 10002 (key rose WL, without lugs)
- 12 1704 10000 (key rose blind, without lugs)

12 1704

12 1704 00054 (bathroom rose)

12 1704 10254 (bathroom rose, without lugs)

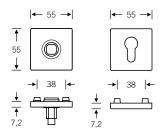


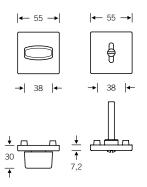












For a synopsis of all FSB ASL® combination options and product codes, see FSB Manual 13, pages 73-267

Oval backplates

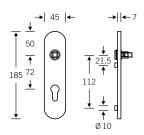
12 1451.....

 $\begin{array}{c} 12\ 1451\ 00710\ (PC,\ 72,\ \square\ 8\ mm) \\ 12\ 1451\ 00702\ (WL,\ 72,\ \square\ 8\ mm) \\ 12\ 1451\ 01154\ (WC,\ 78/8) \end{array}$

Oval short backplate (concealed fixing)

possible C:c 72 mm





For perforations, see FSB Manual 13, page 273

For a synopsis of all FSB ASL® combination options and product codes, see FSB Manual 13, pages 73–267

Oval backplates

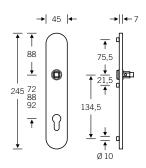
12 1418

12 1418 02710 (PC, 72, \square 8 mm) 12 1418 02702 (WL, 72, \square 8 mm) 12 1418 03154 (WC, 78/8)

Oval long backplate (concealed fixing)

possible C:c 72, 88 + 92 mm





For perforations, see FSB Manual 13, page 273

For a synopsis of all FSB ASL® combination options and product codes, see FSB Manual 13, pages 73–267

Rectangular backplates

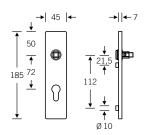
12 1450

 $\begin{array}{c} 12\ 1450\ 00110\ (PC,\ 72,\ \square\ 8\ mm) \\ 12\ 1450\ 00102\ (WL,\ 72,\ \square\ 8\ mm) \\ 12\ 1450\ 00554\ (WC,\ 78/8) \end{array}$

Rectangular long backplate (concealed fixing)

possible C:c 72 mm





For perforations, see FSB Manual 13, page 273

For a synopsis of all FSB ASL® combination options and product codes, see FSB Manual 13, pages 73–267

Rectangular backplates

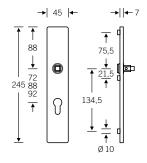
12 1410

12 1410 02110 (PC, 72, \square 8 mm) 12 1410 02102 (WL, 72, \square 8 mm) 12 1410 02554 (WC, 78/8)

Rectangular long backplate (concealed fixing)

possible C:c 72, 88 + 92 mm





For perforations, see FSB Manual 13, page 273

For a synopsis of all FSB ASL® combination options and product codes, see FSB Manual 13, pages 73–267

Oval knob backplates

19 1964 033

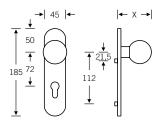
Oval short knob backplate (invisible fixing)

can be combined with FSB ASL®/AGL® lever/knob sets

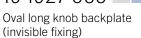
C:c 72 mm

 $\begin{array}{ll} \mbox{Aluminium} & \mbox{X} = 77 \mbox{ mm} \\ \mbox{Stainless Steel} & \mbox{X} = 73 \mbox{ mm} \\ \mbox{Brass} & \mbox{X} = 72 \mbox{ mm} \\ \mbox{Bronze} & \mbox{X} = 72 \mbox{ mm} \end{array}$





19 1927 033

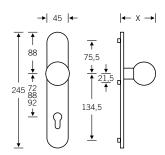


can be combined with FSB ASL®/AGL® lever/knob sets

C:c 72, 88 + 92 mm

Aluminium X = 77 mmStainless Steel X = 73 mmBrass X = 72 mmBronze X = 72 mm





Keyways

WL PC CH-RC

Rectangular knob backplates

19 1963 033



Rectangular short knob backplate (invisible fixing)

can be combined with FSB ASL®/AGL® lever/knob sets

C:c 72 mm

19 1970 033



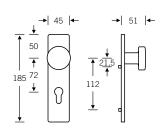
Rectangular long knob backplate (invisible fixing)

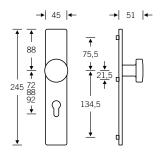
can be combined with FSB ASL®/AGL® lever/knob sets

C:c 72, 88 + 92 mm







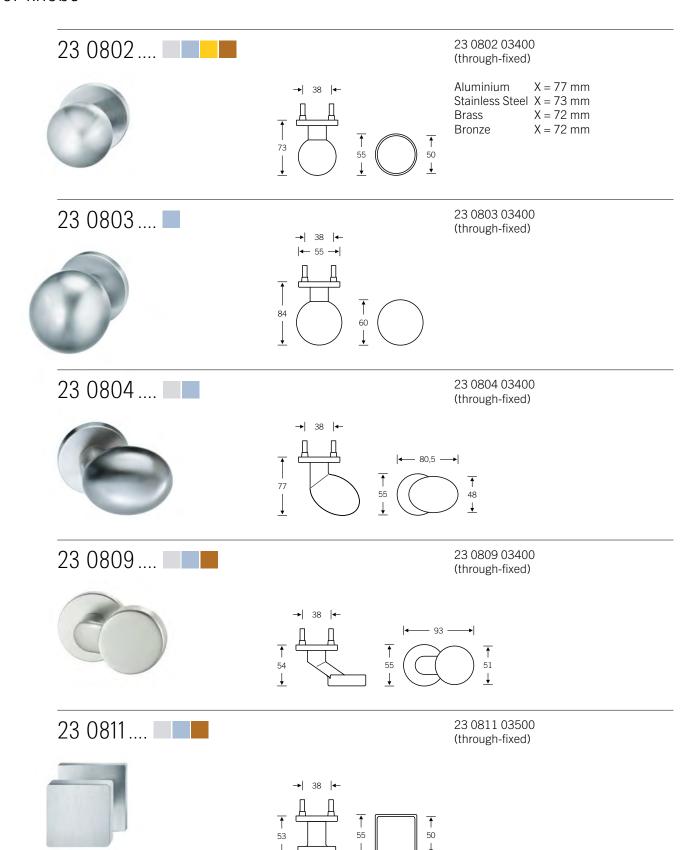


Keyways



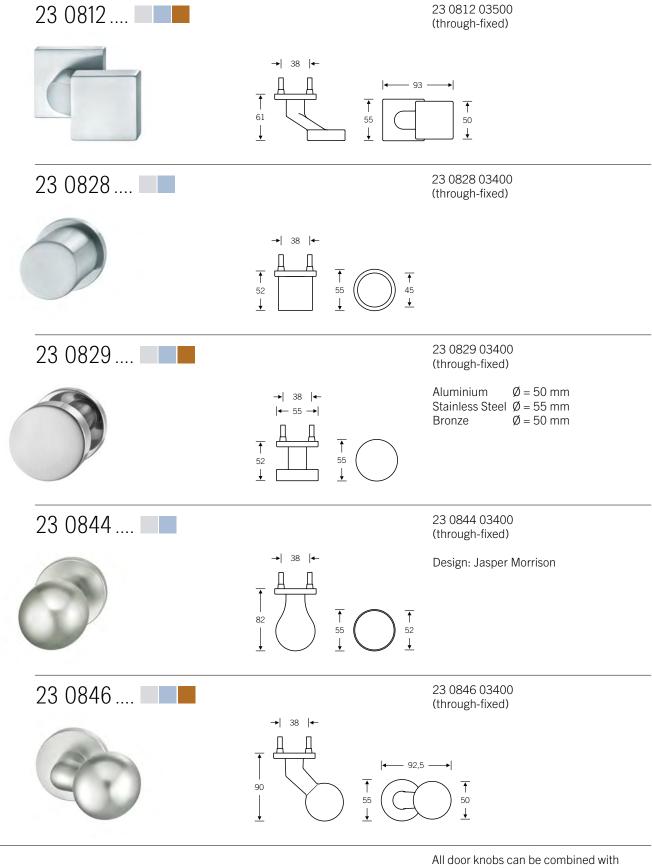


Door knobs



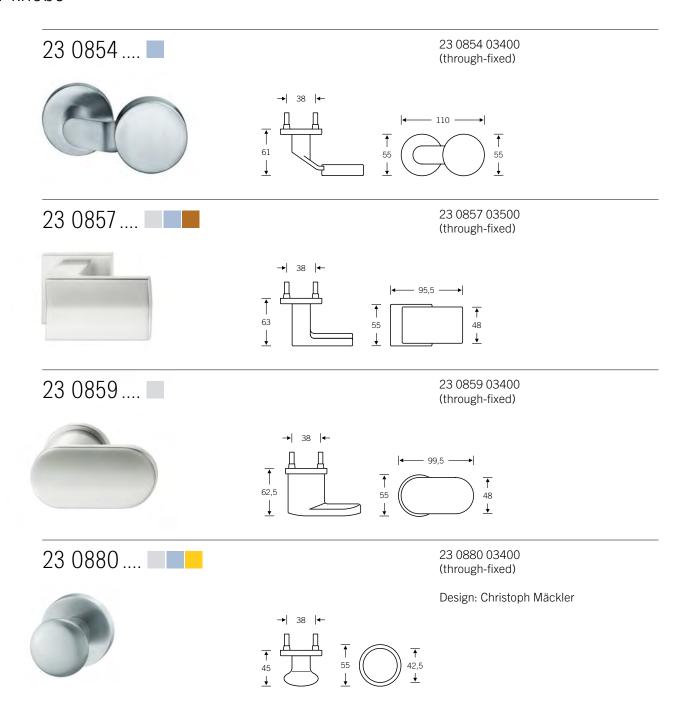
All door knobs can be combined with FSB ASL®/AGL® lever/knob sets

Door knobs



All door knobs can be combined with FSB ASL®/AGL® lever/knob sets

Door knobs



All door knobs can be combined with FSB ASL®/AGL® lever/knob sets

Knob handles

08 0802

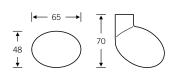




 $\begin{array}{ll} \mbox{Aluminium} & \mbox{X} = 70 \mbox{ mm} \\ \mbox{Stainless Steel} & \mbox{X} = 66 \mbox{ mm} \\ \mbox{Brass} & \mbox{X} = 65 \mbox{ mm} \\ \mbox{Bronze} & \mbox{X} = 65 \mbox{ mm} \end{array}$

08 0804





08 0829



|← Ø →|

Aluminium $\emptyset = 50 \text{ mm}$ Stainless Steel $\emptyset = 55 \text{ mm}$ Bronze $\emptyset = 50 \text{ mm}$

08 0844



|← 52 →|

75 ↓ Design: Jasper Morrison

Knob handles may be used with every FSB rose and backplate components

Accessory

05 0565 ...



Accessory bag FSB ASL® lever/lever set 05 0565 007 (7 mm rose set) 05 0565 008 (8 mm rose set) 05 0565 085 (8.5 mm rose set)

05 0566 ...



Accessory bag FSB ASL® lever/knob set 05 0566 007 (7 mm rose set) 05 0566 008 (8 mm rose set) 05 0566 085 (8.5 mm rose set)

05 0567...



Accessory bag FSB ASL® bathroom set 05 0567 007 (7/6 mm rose set) 05 0567 008 (8/8 mm rose set) 05 0567 085 (8.5/7 mm rose set)

05 0565 ...



Accessory bag FSB ASL® lever/lever set 05 0565 108 (8 mm short backplate set) 05 0565 185 (8.5 mm short backplate set)

05 0566 ...



Accessory bag FSB ASL® lever/knob set 05 0566 108 (8 mm short backplate set) 05 0566 185 (8.5 mm short backplate set)

Accessory

05 0567...



Accessory bag FSB ASL® bathroom set 05 0567 108 (8/8 mm short backplate set) 05 0567 185 (8.5/7 mm short backplate set)

05 0565 ...



Accessory bag FSB ASL® lever/lever set 05 0565 208 (8 mm long backplate set) 05 0565 185 (8.5 mm long backplate set)

05 0566 ...



Accessory bag FSB ASL® lever/knob set 05 0566 208 (8 mm long backplate set) 05 0566 285 (8.5 mm long backplate set)

05 0567 ...



Accessory bag FSB ASL® bathroom set 05 0567 208 (8/8 mm long backplate set) 05 0567 285 (8.5/7 mm long backplate set)

05 0565 ... 05 0567 ... Accessory bag FSB ASL® lever/lever set 05 0565 007.. 0001 (7 mm rose set, without lugs) 05 0565 008.. 0001 (8 mm rose set, without lugs)

Accessory bag FSB ASL® bathroom set 05 0567 007.. 0001 (7/6 mm rose set, without lugs) 05 0567 008.. 0001 (8/8 mm rose set, without lugs)

Oval backplates

14 1415

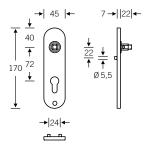
14 1415 100 (visible fixing) C:c 72 mm

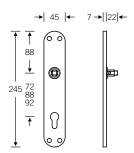


14 1418 100 (visible fixing) C:c 72, 88 + 92 mm









Please advise FSB lever-handle model desired when ordering, see FSB Manual 13, pages 73-267

Parts for backplates and roses

Rectangular backplates

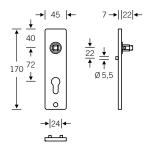
14 1402

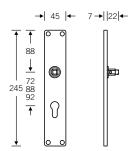
14 1402 100 (visible fixing) C:c 72 mm 14 1410

14 1410 100 (visible fixing) C:c 72, 88 + 92 mm









Please advise FSB lever-handle model desired when ordering, see FSB Manual 13, pages 73–267

Parts for backplates and roses

Broad backplate, renovation backplate

For technical information see FSB Manual 13, page 272 f.

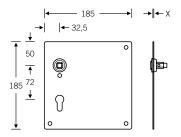
14 1486 **1** 12 1488 **1**

14 1486 001 (visible fixing) 12 1488 001 (concealed fixing)

Stainless Steel X = 2 mmCorner radius 4 mm







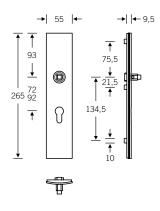
14 1433



The FSB 14 1433 backplate was developed specifically with renovation jobs in mind; at 55 mm wide, it provides an ideal means of concealing traces of the hardware replaced.

Invisibly fixed to the door, this gently vaulted backplate combines with its black base to create an impression of floating.

 $14\ 1433\ 003$ (concealed fixing) C:c $72+92\ mm$



Please advise FSB lever-handle model desired when ordering, see FSB Manual 13, pages 73–267

Parts for backplates and roses

Cut roses and backplates

17 1790 | 17 1795





With stabiliser lugs in Stainless Steel Screw centres 38 mm Corner radius 2 mm \square 8 mm

17 1790 101 (round rose, visible fixing on both sides)

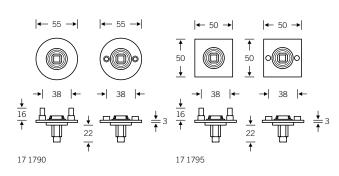
17 1790 002 (round rose, concealed fixing on one side)

17 1795 001 (square rose, visible fixing on both sides)

17 1795 002 (square rose, concealed fixing on one side)

Please advise FSB lever-handle model desired when ordering, see FSB Manual 13, pages 73-267





14 1425



Material thickness 3 mm

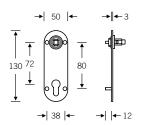
Screw centres 38 mm

14 1425 10002 (WL, visible fixing on both sides)

14 1425 10010 (PC, visible fixing on both sides)

14 1425 17554 (WC, visible fixing on both





(PC, visible fixing on both

(concealed fixing on one

sides)

side)

sides)

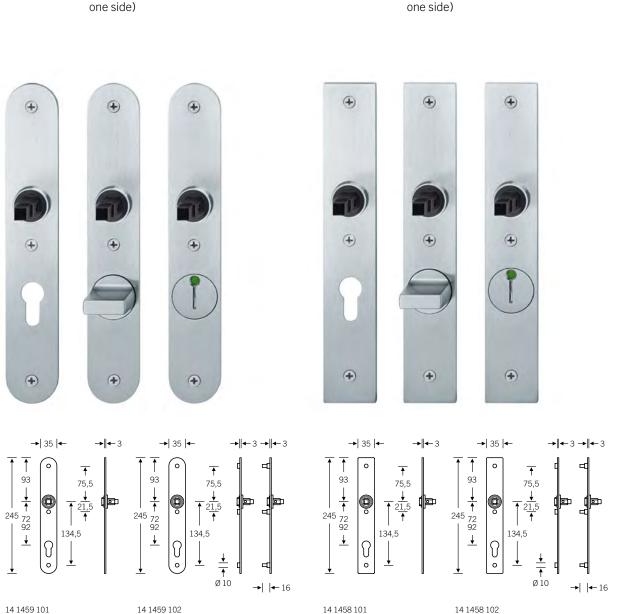
14 1458 13154 (WC, visible fixing on both

14 1458 13254 (WC, concealed fixing on

Parts for backplates and roses

Cut backplates





14 1458

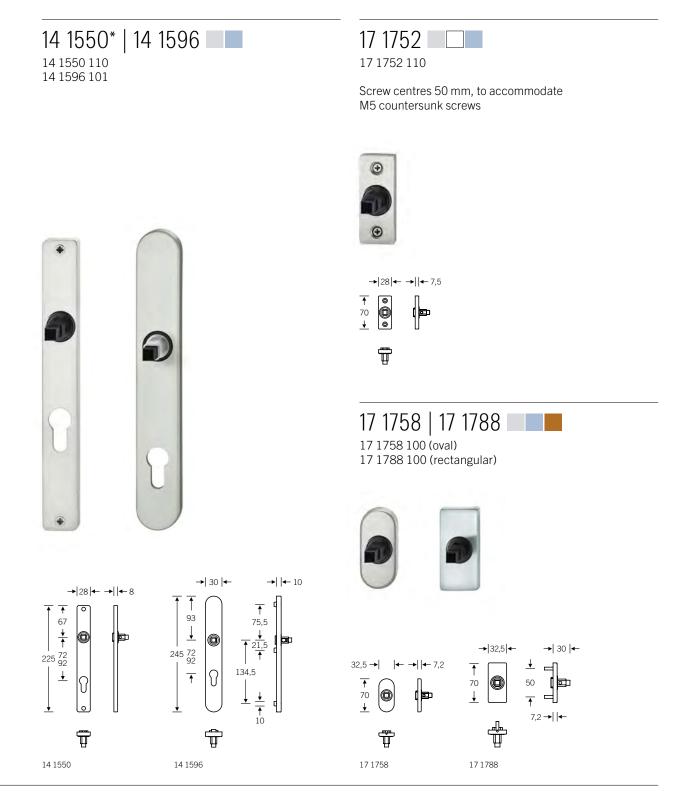
14 1458 101

14 1458 102*

Please advise FSB lever-handle model desired when ordering, see FSB Manual 13, pages 73–267

Parts for backplates and roses

Roses and backplates for narrow stile doors



^{*} Screw centres 210 mm, to accommodate M4 countersunk screws

Please advise FSB lever-handle model desired when ordering, see FSB Manual 13, pages 73–267

Parts for backplates and roses

Round flush roses for doors 38–44 mm thick

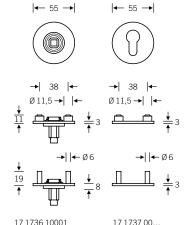


17 1736 **17** 1737

⇒ 17 1736 10001 (□ 8 mm) 17 1737 00...

+ Keyway type: 002 (WL) 010 (PC) 154 (T/WC 8 mm) 188 (T/WC 7 mm)

C:c distances: 72 mm PC, WL 70/78/85/88 mm PC, 90 mm WL 70/78/90 mm WC 74/78/94 mm CH-RC



Clip-on side = leading face

Screw-fixing side = trailing face

Technical prerequisites:

The door must be 38–44 mm thick; please bear the position of the lock mortice in mind. To prepare the fixing holes, apply FSB standard drilling template 03 0455 or universal template 03 0460 to either side of the door. Then drill out the boreholes for the handle and key roses on the clip-on side (= pull-to-open side) to a depth and diameter of 12 mm. Use should be made of FSB routing jig 03 0462 000 when preparing the face of the door for the roses to be fitted. Please note that, unlike with flush hardware for door thicknesses of 45 mm upwards, routing may only be performed to a depth of 3 mm!

The recess routed out for the circular variant (17 1736 / 17 1737) needs to be 55.6 mm in diameter and 3 mm deep. The remaining material between the bottom of the recess and the lock case is required to be stable and firm enough to ensure secure fastening without any pressure being exerted upon the lock.

Specification:

Loose, round lever-handle and key rose pairs for flush fitting, only in combination with specially prepared FSB lever/lever pairs, lever/lever pair and rose pairs dismantlable. Not available as a fire-safety variant.

Order details required:

- lever handle model, see FSB Manual 13, pages 73–267*
- keyway
- material/finish
- quantity
- for rebated doors in combination with asymmetrical lever handles, the DIN door handing
- * The following models are not supplied as flush variants: FSB 1051, 1058, 1163, 1222, 1241, 1250, 1251, 1254, 1257,

Keyways and bathroom/WC variants (please advise other keyways or c:c distances individually)









_ PC WC

Routing jig FSB 03 0462 000..., see page 780 f.

For doors at least 45 mm thick, see FSB Manual 13, page 284

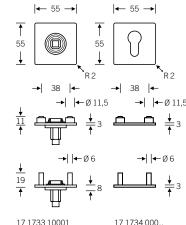
Parts for backplates and roses

Angular flush roses for doors 38–44 mm thick



17 1733 17 1734 + Keyway type: 002 (WL) 010 (PC) 154 (T/WC 8 mm)

C:c distances: 72 mm WL, PC, 8/78 mm WC



Clip-on side = leading face

Screw-fixing side = trailing face

Technical prerequisites:

The door must be 38–44 mm thick; please bear the position of the lock mortice in mind. Place FSB standard drilling template 03 0455 or universal template 03 0460 against both sides of the door. Then drill out the boreholes for the handle and key roses on the clip-on side (= leading face) to a depth and diameter of 12 mm. Use should be made of FSB routing jig 03 0462 00030 when preparing the face of the door for the roses to be fitted. Please note that, unlike with flush hardware for door thicknesses of 45 mm upwards, routing may only be performed to a depth of 3 mm! The recess routed out for the square variant (17 1733/17 1734) measures 55.6 by 55.6 mm by turn and has a corner radius

of 2 mm. Please use a 4 mm-Ø routing bit to achieve the latter.

The radius of 2 mm cited is then automatically arrived at using routing template 03 0462 00030. The remaining material between the bottom of the recess and the lock case is required to be stable and firm enough to ensure secure fastening without any pressure being exerted upon the lock.

Specification:

Loose, square lever-handle and key rose pairs for flush fitting, only in combination with specially prepared FSB lever/lever pairs, lever/lever pair and rose pairs dismantlable. Not available as a fire-safety variant.

Order details required:

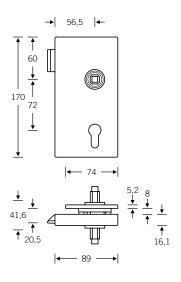
- lever handle model, see FSB Manual 13, pages 73–267*
- keyway
- material/finish
- quantity
- DIN door handing (for rebated doors in combination with asymmetrical lever handles)
- * The following models are not supplied as flush variants: FSB 1051, 1058, 1163, 1222, 1241, 1250, 1251, 1254, and 1257

Keyways and bathroom/WC variants (please advise other keyways or c:c distances individually)



Routing jig FSB 03 0462 00030, see page 780 f.





13 4224

\$\infty\$ 4224 042 (RH) | 13 4224 052 (LH)

Compact, rectangular glass-door fitting with heavy-duty glass-door lock (DIN 18251-1, Class 4)

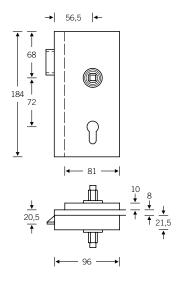
PC 72 mm, 8 mm self-tightening follower in steel with polyamide retaining ring

Latch bolt in a combination of plastic/ pressure die casting, sound-damped

Bolt head as bright nickel-plated casting, heavy-duty bearing for lever handle in Aluminium/Stainless Steel, Teflon-coated, to suit FSB lever handles

shown here: DIN RH





13 4220

⇒ 13 4220 041 (RH) | 13 4220 051 (LH)

Rectangular glass-door fitting with heavy-duty glass-door lock (DIN 18251-1, analogous to Class 4)

PC 72 mm, 8 mm self-tightening follower in steel with polyamide retaining ring

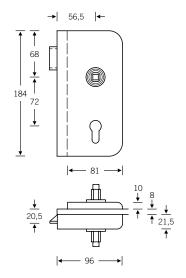
Latch bolt in a combination of plastic/ pressure die casting, sound-damped

PC keyway, bolt head as bright nickelplated casting, handle shank in glassfibrereinforced polyamide, to suit FSB lever handles

shown here: DIN RH

Please advise FSB lever-handle model desired when ordering, see FSB Manual 13, pages 73–267





13 4223



⇒ 13 4223 041 (RH) | 13 4223 051 (LH)

Round-cornered rectangular glass-door fitting with heavy-duty glass-door lock (DIN 18251-1, analogous to Class 4)

PC 72 mm, 8 mm self-tightening follower in steel with polyamide retaining ring

Latch bolt in a combination of plastic/ pressure die casting, sound-damped

PC keyway, bolt head as bright nickelplated casting, handle shank in glassfibrereinforced polyamide, to suit FSB lever handles

shown here: DIN RH

Please advise FSB lever-handle model desired when ordering, see FSB Manual 13, pages 73-267

FSB adaptor system Window-handle models for combination with roses

Product Chart

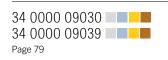




FSB adaptor system Parts for window handles

Product Chart

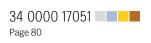












34 0000 180 Page 80













34 0000 71101 Page 81













Parts for window handles

Oval and rectangular window handle roses



 $34\,0000\,09030$ (oval rose 62×27 mm) $34\,0000\,09039$ (oval rose 70×32.5 mm)

Window handle rose with locking

pursuant to DIN EN 13126-3



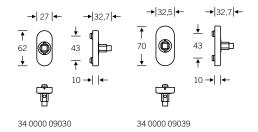
34 0000 09032 (rectangular rose 62 × 27 mm) 34 0000 09040 (rectangular rose 70 × 32.5 mm)

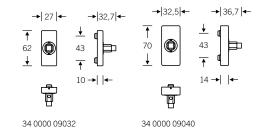
Window handle rose with locking

pursuant to DIN EN 13126-3









For a summary of all FSB models and product codes, see FSB Manual 13, pages 73–267

Parts for window handles

Window handle roses lockable

34 0000

34 0000 17051 (with lock cylinder, oval) 34 0000 180... (with lock cylinder, rectangular)

Lockable window handle rose, with lock cylinder

pursuant to DIN EN 13126-3

34 0000

34 0000 07650 (with push button, oval) 34 0000 086... (with push button, rectangular)

Lockable window handle rose, with push button

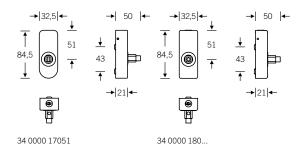
pursuant to DIN EN 13126-3

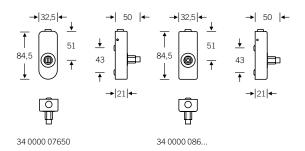












For a summary of all FSB models and product codes, see FSB Manual 13, pages 73–267

Parts for window handles

Plug-in handle roses

34 0000



34 0000 71101 (round rose)

Plug-in handle rose for metal windows, with catch

pursuant to DIN EN 13126-3

03 0401

03 0401 00000 0400

Fixing rose for timber profiles





03 0401

03 0401 00001 0400

Fixing rose and mounting plate for timber profiles, lockable







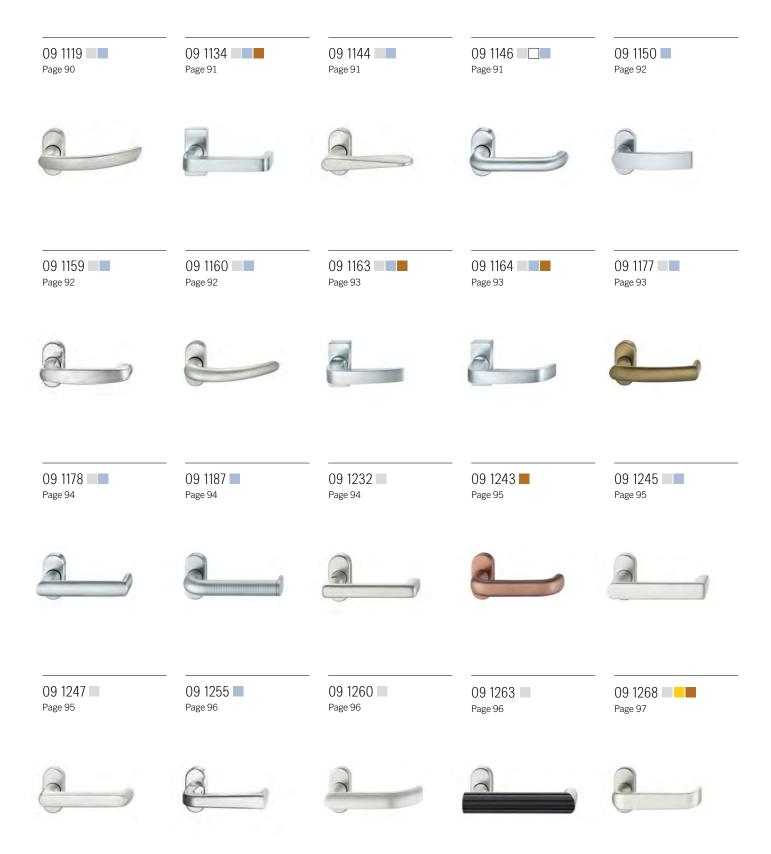
For a summary of all FSB models and product codes, see FSB Manual 13, pages 73–267

FSB adaptor system Lever handles for narrow stile doors

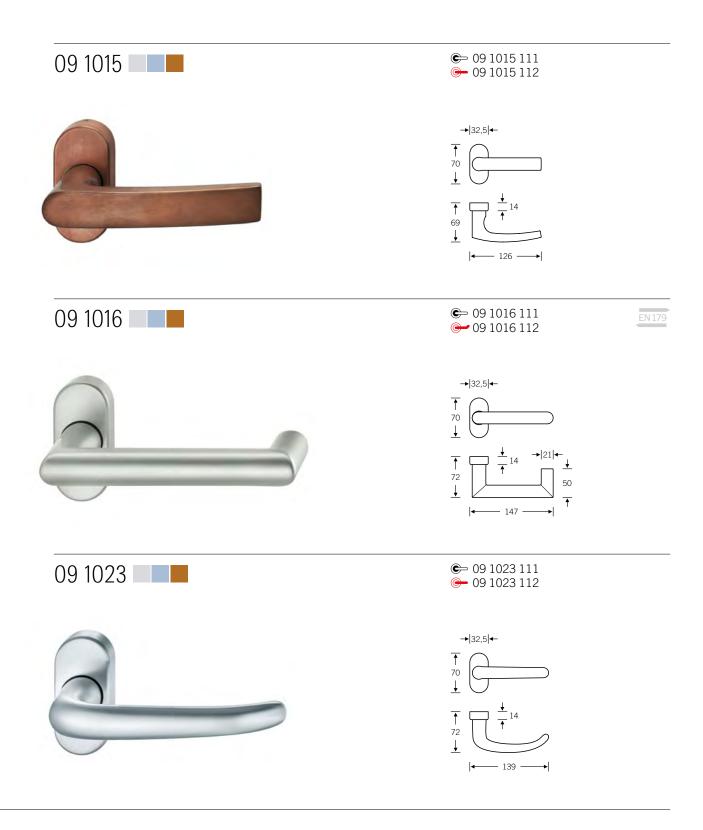
Product Chart



Please note: Converting our in-line lever handles for narrow stile doors (Product Group 09) to the new FSB adaptor system has given rise to a new product-code system. The new product codes are set out on the pages that follow.

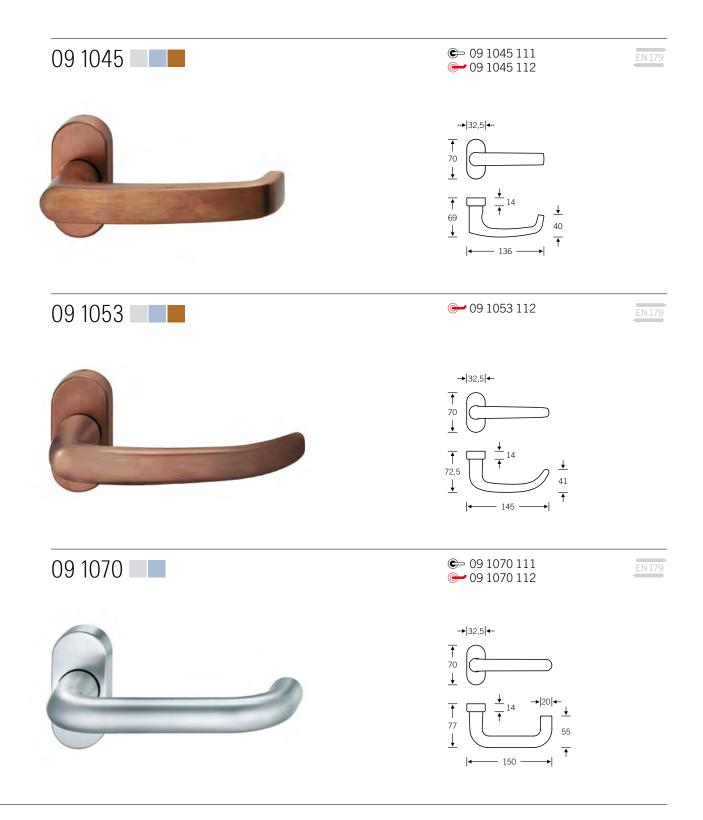


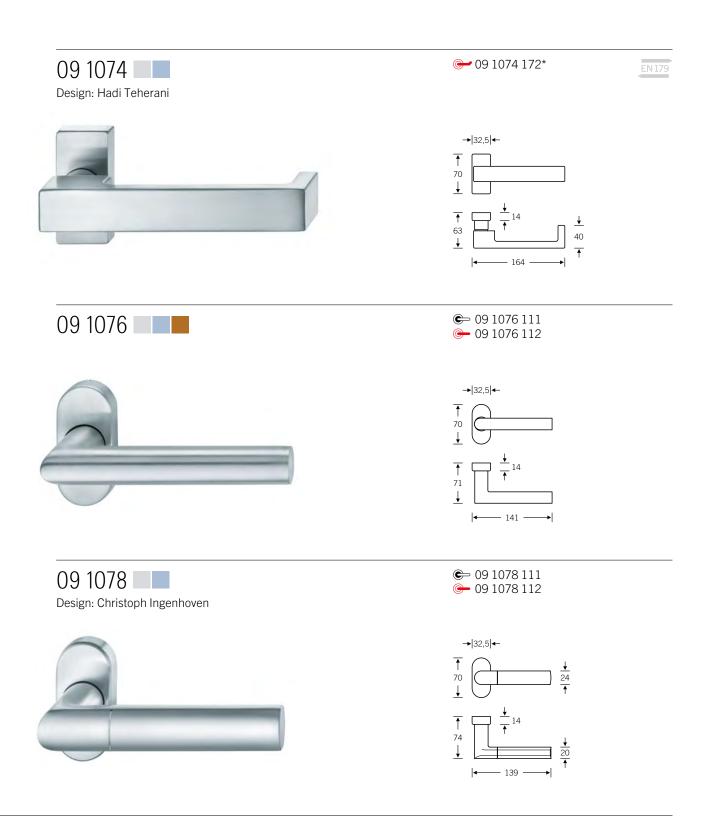




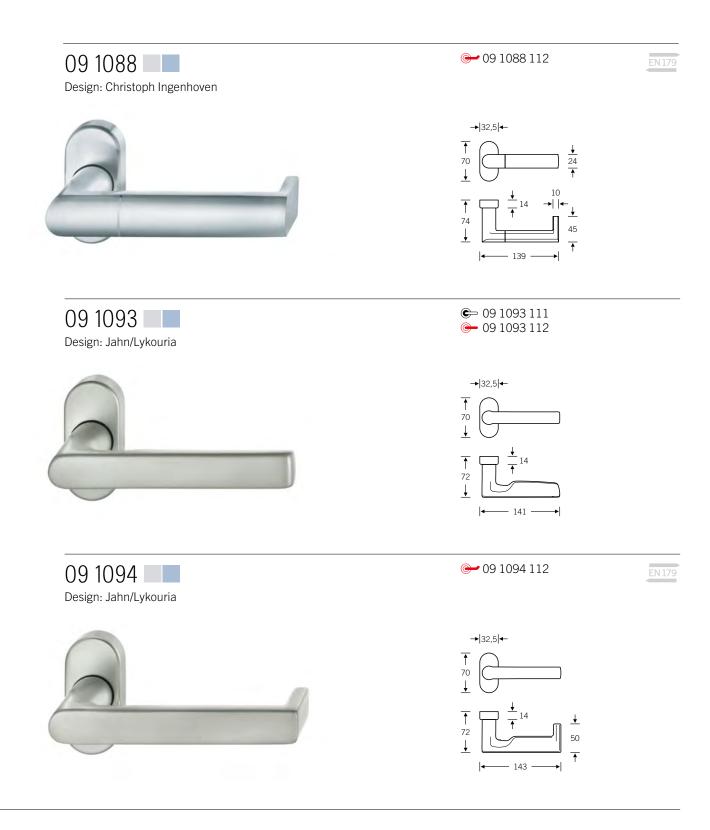


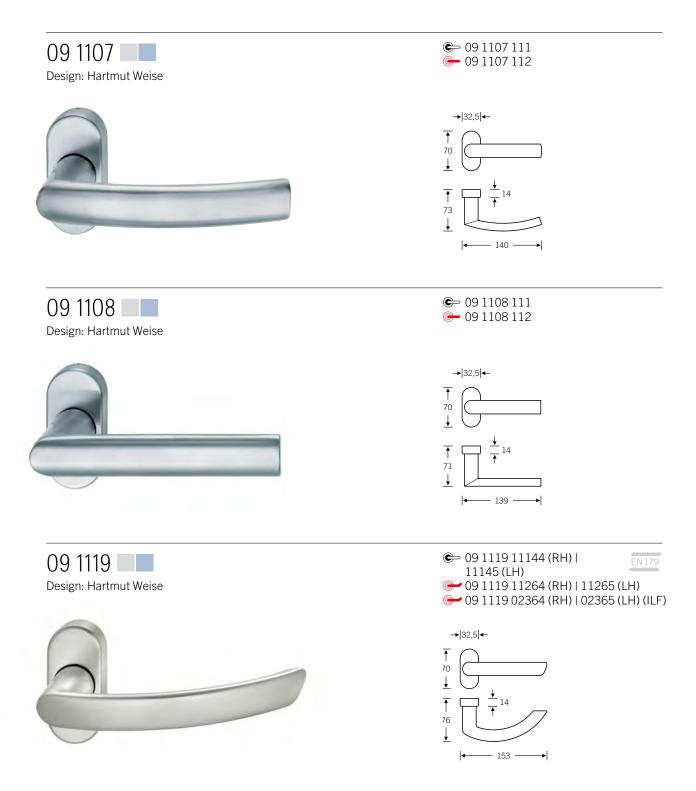
^{*}available in Stainless Steel only





^{*} suitable for backsets of 40 mm upwards

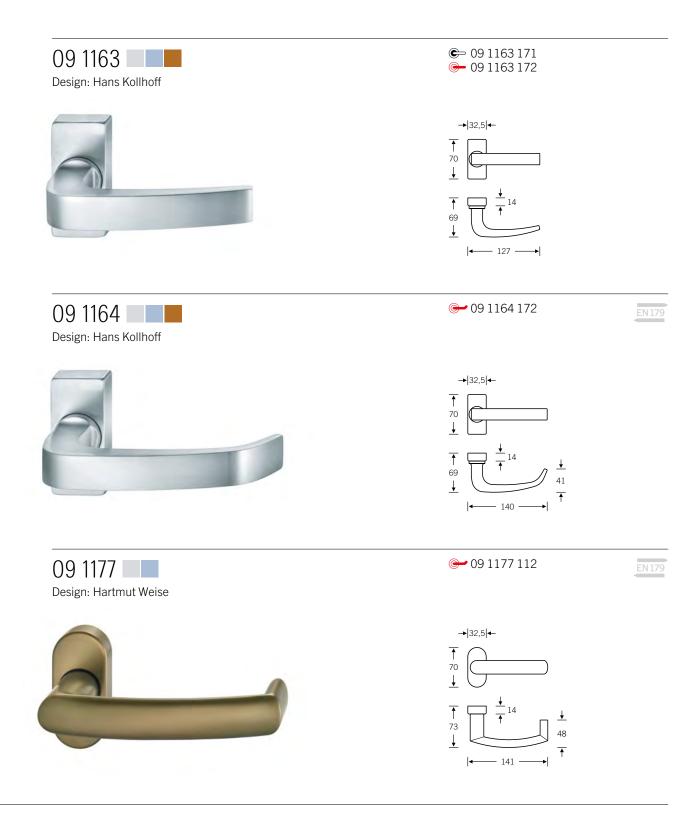




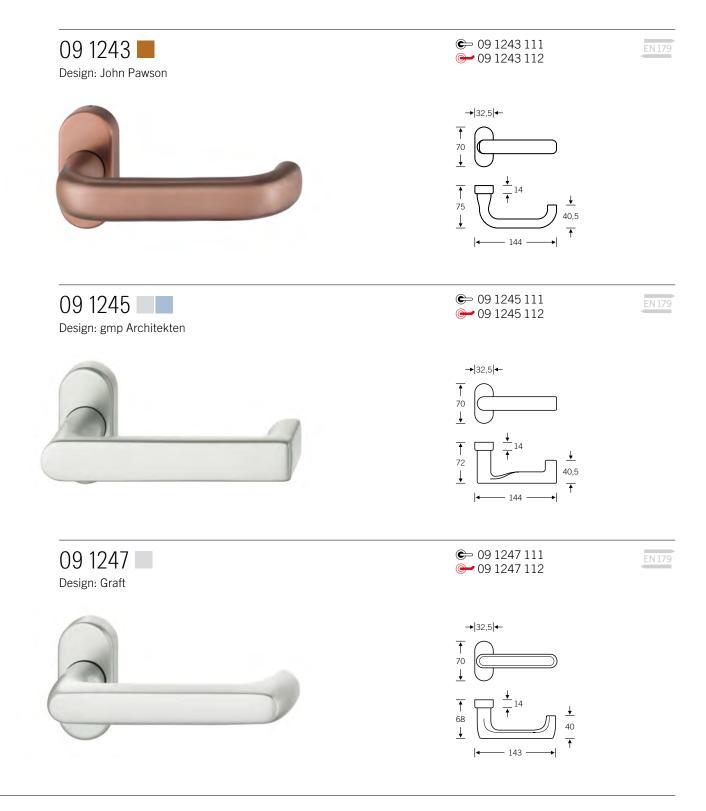




^{*}available in Stainless Steel only









 lever neck/rose Aluminium, grip Carbon (Aluminium only available in 0105)

- Aluminium



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