

SSF Lock Catalogue

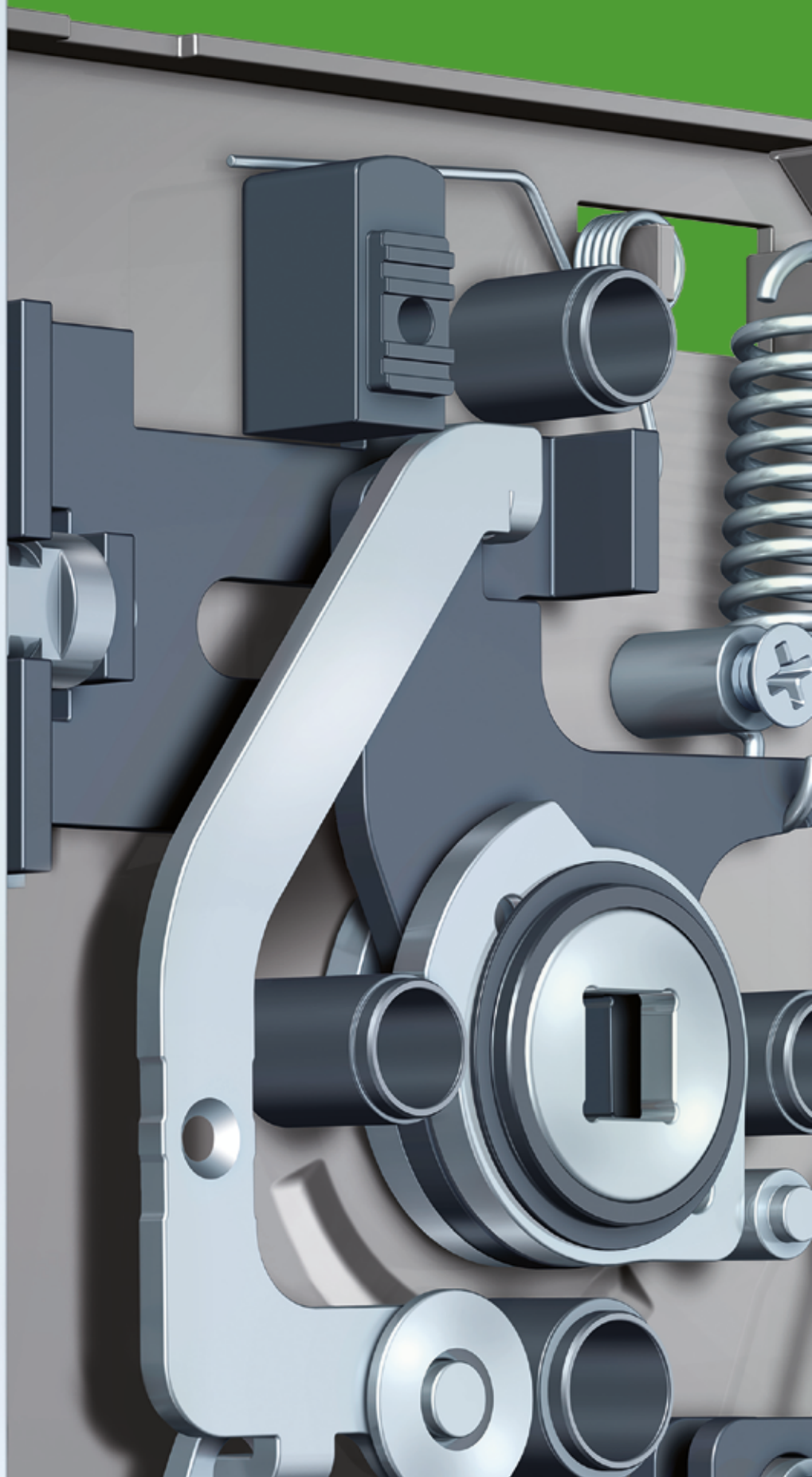
2017 | 2018



SSF



Made in Germany



EN 15804

Made in Germany, for a global idea

www.fsb.de/EN15804

FSB and SSF have played a pioneering role worldwide by issuing Environmental Product Declarations (EPDs) pursuant to ISO 14025 and EN 15804 both for specific materials and across all product ranges. The certificate is awarded for environmentally sensitive, cost-effective, user-friendly buildings.

The following EPDs are available and can be requested free of charge:

- door lever handles, window handles, electronic access management systems, made of aluminium:
EPD-FSB-20140131-IBC1-DE
- door lever handles, window handles, electronic access management systems, made of stainless steel:
EPD-FSB-20140132-IBC1-DE
- door lever handles, window handles, electronic access management systems, made of bronze and brass:
EPD-FSB-20140133-IBC1-DE
- Barrier-free ErgoSystem® (stainless steel):
EPD-FSB-20140134-IBC1-DE
- Locks and striking plates:
EPD-FSB-20140135-IBC1-DE

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All test certificates can be requested as required or downloaded from the web at www.ssf.de/certificates. SSF's General Terms & Conditions of Trade can be consulted at www.ssf.de/gtc



We are often asked how Sächsische Schlossfabrik came by its trademark. Answering this question involves delving deep into the past.

It was our company founder's intrinsic affinity with the locksmith's trade that originally led to a cat's head being chosen as our logo, a symbol that can be traced back to the advent of trade guilds in the High Middle Ages. Once the cover had been removed from a chest lock commonly made in those days, it looked a bit like a cat's head if you used your imagination. "Cat's head" became a standard term amongst the locksmiths of the time, also giving rise to a raft of related customs.

If, for instance, a journeyman locksmith applied to work for a master locksmith in Germany, the first question he would be asked was "Cat's head?". The proper guild reply to this was "Stück davon!" ("Bit of it!"). Rather than referring to himself as a comprehensively qualified tradesman, the journeyman modestly called himself a "bit of it" in deference to a locksmith's broad scope of activities.

The locksmith's trade accordingly soon came round to indicating affiliation to the guild by means of a symbol showing a padlock with a cat's head and the words "Stück davon" on it. Anyone performing outstanding work in the locksmith's trade, i.e. constituting a "particularly good bit of it", was awarded a cat's head badge in gold.

Given such a heritage-rich background, there could be no thought of sacrificing the SSF cat's head logo even after the firm was taken over by FSB. The image was merely judiciously brought up to date and the warded-lock profile replaced with that of a lock cylinder. The main emphasis, after all, had to lay on making technical progress in line with the profile cylinders common today and a re-alignment pursued with Saxon resolve and Eastern Westphalian rigour towards the demands of Public Project construction. One of the upshots of these endeavours is the Series 61/62 lock range for single and double-leaf panic doors that we are introducing in this catalogue for the first time.





Locksmiths, too, are lifelong learners

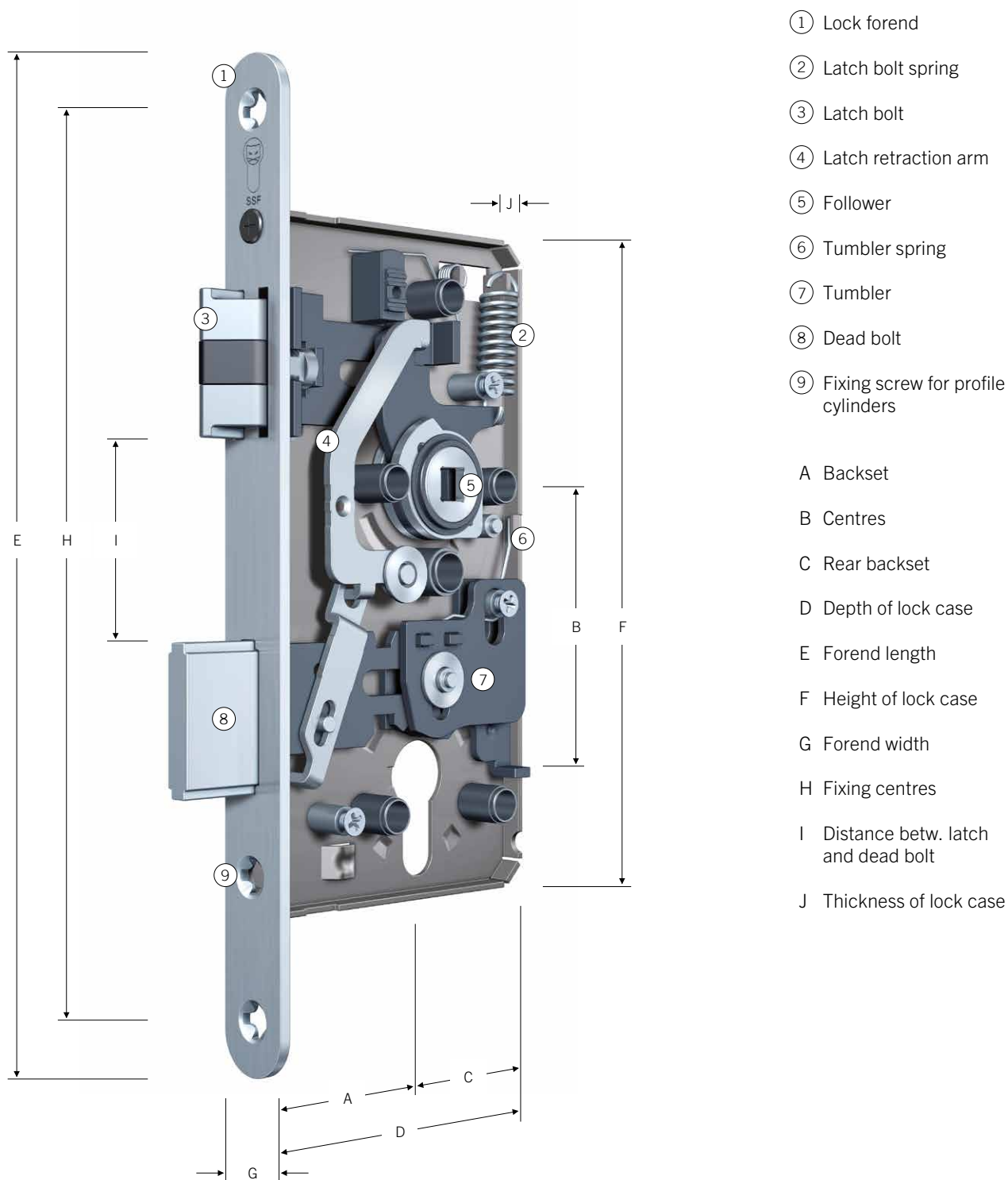
The fundamental will to ongoing further qualification described is lent articulation in a standard trade saying: A locksmith has only learnt all there is to learn when all their ten digits are the same length. In essence, what this means is that there will always be something else for a locksmith to learn about – and, indeed, have to learn given current trends in the sphere of electronic access solutions. FSB is making a particularly telling contribution in terms of both design and function here in the form of its M access management concept with scalable M100, M300 and M500 variants that we would not wish to leave unmentioned at this juncture.

Access management by FSB

M100 involves card-based programming at the actual hardware, making it ideal for less complex requirements and lower budgets, whereas its bigger brother M300 scores heavily with its system of LAN/ wifi-based online administration in larger buildings. They were recently joined by the even more advanced M500, which supplements the multifarious options afforded by an online system with compelling offline functionalities. Rounding off the range are biometrics-based F systems (F = Finger-scan) constituting a solution for entrance doors in residential accommodation that is as convenient as it is security-oriented.

Our colleagues in Brakel will be pleased to tell you about the merits and performance features of their M and F systems by phone under +49 (0)5272 608122, email at info@fsb.de or by personal appointment. You will also find detailed brochures at www.fsb.de/downloads

PS: for the sake of completeness, we would also wish to mention that the lively shade of green in the SSF logo is taken from the Saxon coat of arms.



1 Mortice locks for heavy-duty and fire doors

2 pursuant to DIN 18251-1 Class 4


3 Series 54
for heavily-used heavy-duty doors

4 – self-tightening follower in steel, galvanised
– steel-ring follower bearing
– latch bolt nickel-plated steel investment casting
– dead bolt in steel, bolt head as nickel-plated casting
– lock case wholly enclosed, galvanised
– chip guards
– regreasing device

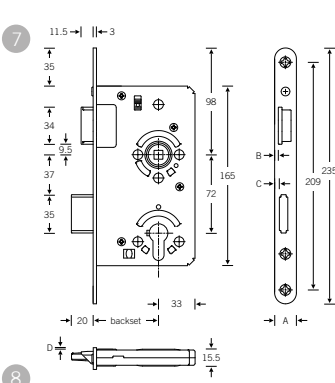
5

Mortice lock	ES	
Series 54	54	
PC 2-throw with latch retraction Bathroom variant	PZW WC	
Flat forend	rounded edged	FR FK
Forend width	20 mm 24 mm	20 24
Forend length	235 mm 280 mm*	235 280
Backset	55 mm 60 mm 65 mm 50 mm 70 mm 80 mm 100 mm	55 60 65 50 70 80 100
Centres	72 mm PC 78 mm WC 74 mm RC 22 mm	72 78 74
Follower	8 mm □ 9 mm □ FH 10 mm □	08 09 10
Handing	right (RH) left (LH)	RS LS
Forend material	Stainless Steel AISI 304 Bronze** Brass** (further materials to order)	EST BZ MS
Sound damping for latch bolt		FG

6



7



8

Dim. A	Dim. B	Dim. C	Dim. D
20.0	3.4	4.0	1.4
24.0	6.0	6.6	4.0

* with 4 fixing holes
** not in FH variant

9

Classification key
pursuant to EN 12209:
3 S 5 1 0 G 6 B C 2 0

10

Series 54 FSP with anti-thrust latch	see p 21
Series 54 NV with follower angle adjustment	see p 24
Series 54 KF with cranked latch bolt	see p 26
Series 54 RoF with roller latch and dead bolt	see p 27

1 Product category

2 DIN standard and lock class
(for overview see p 144)

3 Lock series

4 Design features

5 Order details:
The order code is arrived at by selecting the option desired from each heading and entering the applicable short-hand symbols in the same order as the headings running down the page.

Example:
ES 54 NV PZW FR 24 280 55 72 08 LS BZ
(for a Series 54 lock with angle adjustment, forend width 24 mm, forend length 280 mm, backset 55 mm, centres 72 mm PC, follower hole 8 mm, handing LH, forend material bronze)

Options marked in grey suppliable to order, further customised variants possible (delivery times to be considered)

For overview of forend versions, see p 141

6 Appearance of lock

7 Dimensioned drawing

8 Dimensional variants

9 Classification key
(for explanations see p 144)

10 Overview of further variants of the lock shown

11



SSF is in good company. As a subsidiary of noted hardware brand FSB, we have pledged ourselves to a quality mindset that goes beyond simply meeting customer expectations and actually exceeds them. It's now quite some time since we made a start with FSB on re-uniting what had once belonged together anyway – locks and handles – with our comprehensive range of mortice locks.

Quite a long time ago we started, along with FSB, to put together what had historically once belonged together, by introducing a comprehensive range of mortice locks: In the preindustrial age, the lock and fitting formed a single unit.

Over the course of industrialisation, both components became independent – and what separated them from then on was regulated by industrial standards. With this document we present the market with a newly developed system for one and two-leaf solid panic doors with and without a top catch on the active leaf.

The technically and functionally matched concept comprising lock and fitting consists of FSB 77 7981 or H000007/37/08/38 pull bars certified pursuant to DIN EN 1125 or of an FSB door handle set certified pursuant to DIN EN 179 combined with modular lock and bolt components (SSF FH 61 / 62 lock series pursuant to DIN EN 12 209, panic functions B, D and E). Our solutions await you with a host of special functions:

Key-operated quick locking

If the key is turned in the locking direction, this triggers a locking lever in the lock, which leads to a prompt, automatic espagnolette lock throw of 20 mm. The benefits – besides the convenience aspect of not having to make two full lock rotations by hand – are clear to see: Because the door does not have to be locked by hand, the locking nose on the cylinder cannot be brought into a position that blocks the locking functions or the bolt. In this way, electronic cylinders among other things can also be used on FH 61/62 series locks.

Four-point checking query

Over and above this, the FH 61/62 series panic locks enable, if required, a checking query to be made of the espagnolette lock, the top catch and the latch as well as of the door handle connection via electronic switch contacts.

Anti-blockade function

Hazardous manipulations of panic doors such as blocking the door handle on the outside – familiar practice in schools – are effectively prevented by the so-called anti-blockade function. The panic function on the inside is thus ensured at all times.

Flexible screw-on forend

The modular lock series gives contractors the advantage that SSF can react quickly to changing dimensions thanks to a screw-on forend.

Well thought-out in every detail

FH 61/62 series panic locks can be used in combination with standard, thumbturn, free-movement and electronic cylinders. The locks are also equipped with a retaining spring for each follower half.

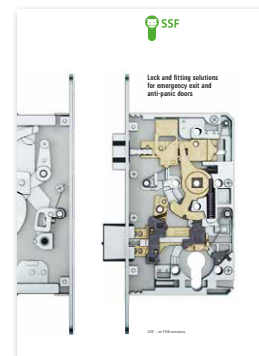
“Lock + fitting” – refined down to the last detail

Fine, intelligent details make it clear what focus has been used to work on this series of lock: The free-movement function already mentioned as a basic feature is accompanied by a split follower (panic function B, D), which is mechanically coupled, a plastic-coated whisper latch plus an independent, spring support on both sides of the door handle via the latch follower, which guarantees a permanent 0° position of the door handle.

No attachment is needed either for the top catch, meaning there is no need for an additional cut-out in the lock pockets. Furthermore, the forend length is identical on locks with or without a top catch.

Need to know more?

Our brochure “Lock and fitting solutions for emergency exit and anti-panic doors” is a mine of information on the subject. It can be downloaded from www.ssf.de or requested free of charge by emailing info@ssf.de



Mortice locks for heavy-duty and fire doors

Heavy-duty doors are less commonly found in the home than in buildings in which doors tend to be subjected to greater loads and be more frequently used. Their locks need to be designed accordingly. SSF heavy-duty locks are equipped with a raceway-borne self-tightening follower. The wholly enclosed and galvanised lock case is secured with multiple blocking toothing.

The principal dimensional specifications are laid down in German standards DIN 18251-1 and 18250. Quality criteria are nevertheless also classified by type of use.

Class	Latchbolt-spring resistance N		Lever-handle positive-mechanism moment	Lever-handle moment	Static latchbolt loading	Static deadbolt loading	Deadbolt counterforce
	min.	max.	Nm	Nm	kN	kN	kN
1	–	–	min. 0.8	–	–	–	–
2	2.5	4.0	1.2±0.4	40	3	4	–
3	2.5	4.0	1.5±0.4	50	3	6	2
4	2.5	4.0	1.5±0.4	50	5	10	4
5	2.5	4.0	1.5±0.4	50	5	10	6

Class 3:
Cylinder locks for flat-entrance and less frequently used heavy-duty doors

Class 4:
Cylinder locks for more frequently used heavy-duty doors
(+ burglary-resistant)

Class 5:
Cylinder locks for very frequently used heavy-duty doors
(+ burglary-resistant)

As well as conforming to Classes 3–5 as laid down in DIN 18251-1, SSF Series 5... heavy-duty locks are tested and certified in accordance with the European standard EN 12209 by Prüfinstitut Schlösser und Beschläge in Velbert (PIV – “Testing Body for Locks and Hardware in Velbert”). EC Certificate of Conformance 1309-CPD-0113 (Series 50/53), EC Certificate of Conformance 1309-CPD-0114 (Series 52/54/55). SSF heavy-duty locks can be accorded the CE kitemark.

Series 53	10
Series 54	11
Series 55	12
Series 50	13
Series 52	14
Series 50 53 FS	15
Series 50 53 FSW	16
Series 50 53 FSk	17
Series 50 FSk PZ	18
Series 50 RS	19
Series 50 RSk	20
Series 50 52 53 54 55 FSP	21
Series 50 53 FSW FSP	22
Angle adjustment	23
Series 55 NV	24
Series 52 NV	25
Series 55 KF	26
Series 55 RoF	27
Series 55 ET	28
Series 55 DZ	29
Series ES 19	30
Series ES 19 VF VR	31
Series FH 19	32
Series FH 19 VF VR	33
Series ES 24	34
Series ES 24 VF VR	35
Series FH 24	36
Series FH 24 VF VR	37

Mortice locks for heavy-duty and fire doors

pursuant to DIN 18251-1 Class 3

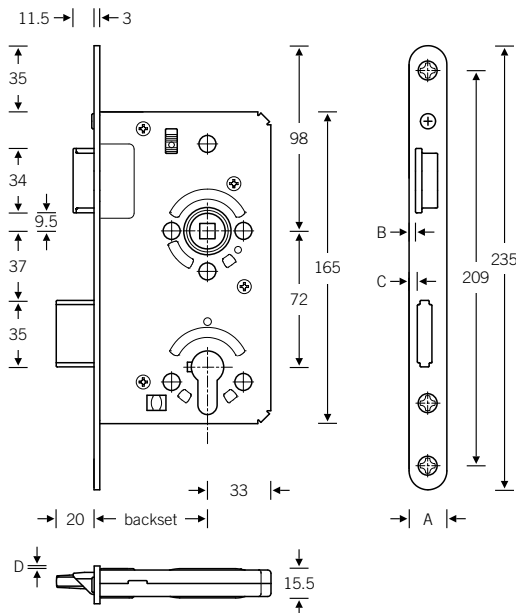
Series 53

for heavy-duty doors



- self-tightening follower in steel, galvanised
- follower bearing in polyamide
- latch bolt nickel-plated steel investment casting
- dead bolt in steel, bolt head as nickel-plated casting
- lock case wholly enclosed, galvanised
- chip guards in the area of the lever handle
- regreasing device

Mortice lock		ES
Series 53		53
PC 2-throw with latch retraction Bathroom variant		PZW WC
Flat forend	rounded edged	FR FK
Forend width	20 mm 24 mm	20 24
Forend length	235 mm 280 mm*	235 280
Backset	55 mm 60 mm 65 mm 50 mm 70 mm 80 mm 100 mm	55 60 65 50 70 80 100
Centres	72 mm PC 78 mm WC 74 mm RC 22 mm	72 78 74
Follower	8 mm □ 9 mm □ FH 10 mm □	08 09 10
Handing	right (RH) left (LH)	RS LS
Forend material	Stainless Steel AISI 304 Bronze** Brass** (further materials to order)	EST BZ MS
Sound damping for latch bolt		FG



Dim. A Dim. B Dim. C Dim. D

20.0	3.4	4.0	1.4
24.0	6.0	6.6	4.0

Classification key

pursuant to EN 12209:
3 M 5 1 0 F 3 B C 2 0

Series 53 FS as latch lock	see p 15
Series 53 FSW as latch lock with latch retraction	see p 16
Series 53 FSk as short latch lock	see p 17
Series 53 FSP with anti-thrust latch	see p 21
Series 53 FSW FSP latch lock + anti-thrust latch	see p 22
Series 53 NV with follower angle adjustment	see p 24
Series 53 KF with cranked latch bolt	see p 26
Series 53 RoF with roller latch and dead bolt	see p 27

* with 4 fixing holes
** not in FH variant

Mortice locks for heavy-duty and fire doors

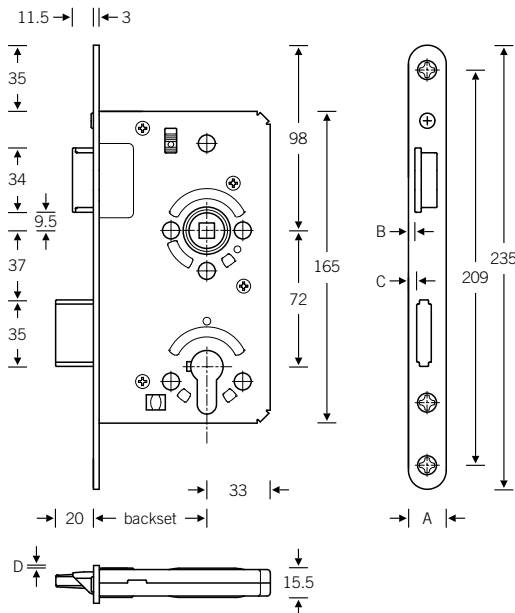
pursuant to DIN 18251-1 Class 4

Series 54

for heavily-used heavy-duty doors



- self-tightening follower in steel, galvanised
- steel-ring follower bearing
- latch bolt nickel-plated steel investment casting
- dead bolt in steel, bolt head as nickel-plated casting
- lock case wholly enclosed, galvanised
- chip guards
- regreasing device



Mortice lock		ES
Series 54		54
PC 2-throw with latch retraction Bathroom variant		PZW WC
Flat forend	rounded edged	FR FK
Forend width	20 mm 24 mm	20 24
Forend length	235 mm 280 mm*	235 280
Backset	55 mm 60 mm 65 mm 50 mm 70 mm 80 mm 100 mm	55 60 65 50 70 80 100
Centres	72 mm PC 78 mm WC 74 mm RC 22 mm	72 78 74
Follower	8 mm □ 9 mm □ FH 10 mm □	08 09 10
Handing	right (RH) left (LH)	RS LS
Forend material	Stainless Steel AISI 304 Bronze** Brass** (further materials to order)	EST BZ MS
Sound damping for latch bolt		FG

Dim. A Dim. B Dim. C Dim. D

20.0	3.4	4.0	1.4
24.0	6.0	6.6	4.0

Classification key

pursuant to EN 12209:
3 S 5 1 0 G 6 B C 2 0

Series 54 FSP with anti-thrust latch	see p 21
Series 54 NV with follower angle adjustment	see p 24
Series 54 KF with cranked latch bolt	see p 26
Series 54 RoF with roller latch and dead bolt	see p 27

* with 4 fixing holes
** not in FH variant

Mortice locks for heavy-duty and fire doors

pursuant to DIN 18251-1 Class 5

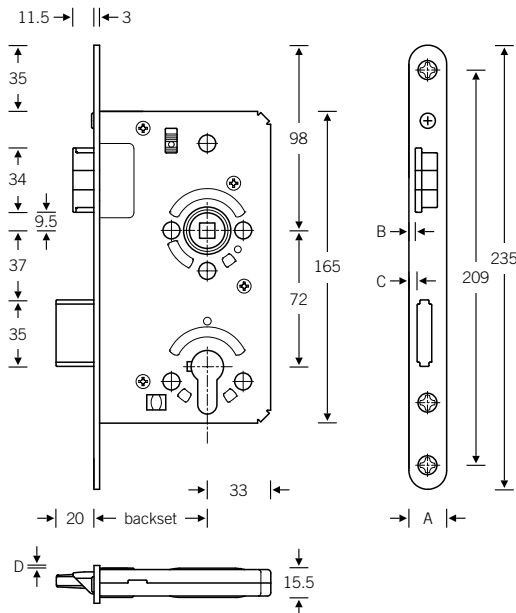
Series 55

for very frequently used heavy-duty doors and enhanced resistance to burglary



- self-tightening follower in steel, galvanised
- steel-ring follower bearing
- latch bolt fine steel casting, nickel-plated
- latch bolt with sound damping
- dead bolt in special-grade hardened and tempered steel, bolt head as nickel-plated casting
- lock case wholly enclosed, galvanised
- chip guards
- regreasing device

Mortice lock		ES
Series 55		55
PC 2-throw with latch retraction Bathroom variant		PZW WC
Flat forend	rounded edged	FR FK
Forend width	20 mm 24 mm	20 24
Forend length	235 mm 280 mm*	235 280
Backset	55 mm 60 mm 65 mm 50 mm 70 mm 80 mm 100 mm	55 60 65 50 70 80 100
Centres	72 mm PC 78 mm WC 74 mm RC 22 mm	72 78 74
Follower	8 mm □ 9 mm □ FH 10 mm □	08 09 10
Handing	right (RH) left (LH)	RS LS
Forend material	Stainless Steel AISI 304 Bronze** Brass** (further materials to order)	EST BZ MS



Dim. A Dim. B Dim. C Dim. D

20.0	3.4	4.0	1.4
24.0	6.0	6.6	4.0

Classification key

pursuant to EN 12209:
3 S 5 1 0 G 6 B C 2 0

Series 55 FSP with anti-thrust latch	see p 21
Series 55 NV with follower angle adjustment	see p 24
Series 55 KF with cranked latch bolt	see p 26
Series 55 RoF with roller latch and dead bolt	see p 27
Series 55 ET burglary-resistant	see p 28
Series 55 DZ with double cylinder	see p 29

* with 4 fixing holes
** not in FH variant

Mortice locks for heavy-duty and fire doors

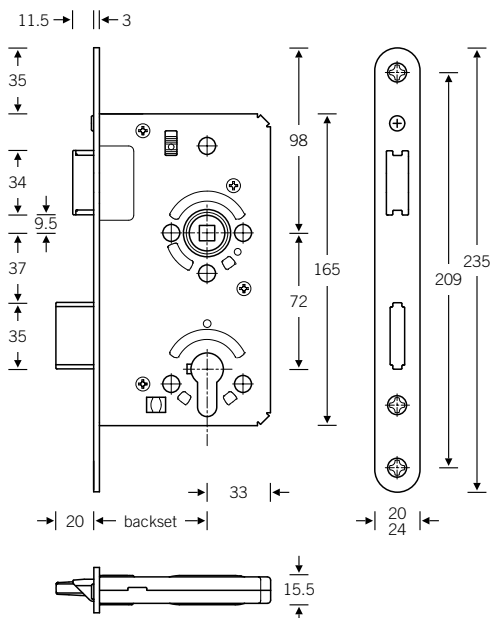
pursuant to DIN 18251-1 Class 3

Series 50

for full leaf steel doors, centre variant,
non-handed



- self-tightening follower in steel, galvanised
- follower bearing in polyamide
- latch bolt fine steel casting, nickel-plated
- dead bolt in steel, bolt head as nickel-plated casting
- lock case wholly enclosed, galvanised
- chip guards in the area of the lever handle
- regreasing device



Mortice lock		ES
Series 50		50
PC 2-throw with latch retraction Bathroom variant		PZW WC
Flat forend	rounded edged	FR FK
Forend width	20 mm 24 mm	20 24
Forend length	235 mm 280 mm*	235 280
Backset	55 mm 60 mm 65 mm 50 mm 70 mm 80 mm 100 mm	55 60 65 50 70 80 100
Centres	72 mm PC 78 mm WC 74 mm RC 22 mm	72 78 74
Follower	8 mm □ 9 mm □ FH 10 mm □	08 09 10
Handing	latch bolt reversible RH/LH	
Forend material	Stainless Steel AISI 304 Bronze** Brass** (further materials to order)	EST BZ MS

* with 4 fixing holes
** not in FH variant

Classification key

pursuant to EN 12209:
3 M 5 1 0 F 3 B C 2 0

Series 50 FS as latch lock	see p 15
Series 50 FSW as latch lock with latch retraction	see p 16
Series 50 FSk as short latch lock	see p 17
Series 50 FSk PZ as food hatch lock	see p 18
Series 50 RS as deadbolt lock	see p 19
Series 50 RSk as short deadbolt lock	see p 20
Series 50 FSP with anti-thrust latch	see p 21
Series 50 FSW FSP latch lock + anti-thrust latch	see p 22
Series 50 NV with follower angle adjustment	see p 25

Mortice locks for heavy-duty and fire doors

pursuant to DIN 18251-1 Class 5

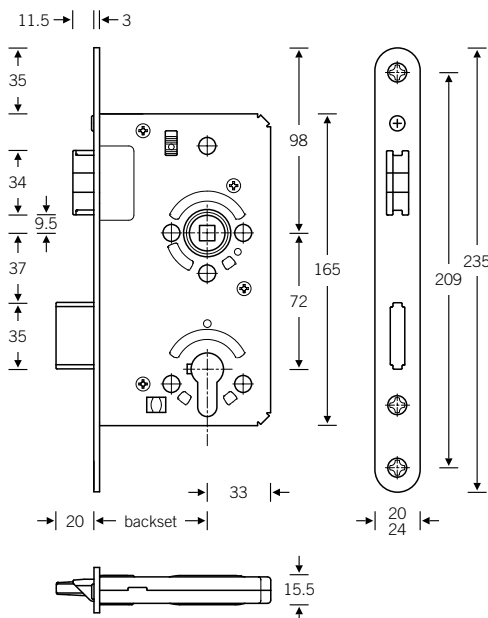
Series 52

for full leaf steel doors, centre variant, non-handed,
for very frequently used heavy-duty doors
and enhanced resistance to burglary



- self-tightening follower in steel, galvanised
- steel-ring follower bearing
- latch bolt fine steel casting, nickel-plated
- latch bolt with sound damping
- dead bolt in special-grade hardened and tempered steel, bolt head as nickel-plated casting
- lock case wholly enclosed, galvanised
- chip guards
- regreasing device

Mortice lock		ES
Series 52		52
PC 2-throw with latch retraction Bathroom variant		PZW WC
Flat forend	rounded edged	FR FK
Forend width	20 mm 24 mm	20 24
Forend length	235 mm 280 mm*	235 280
Backset	55 mm 60 mm 65 mm 50 mm 70 mm 80 mm 100 mm	55 60 65 50 70 80 100
Centres	72 mm PC 78 mm WC 74 mm RC 22 mm	72 78 74
Follower	8 mm □ 9 mm □ FH 10 mm □	08 09 10
Handing	latch bolt reversible RH/LH	
Forend material	Stainless Steel AISI 304 Bronze** Brass** (further materials to order)	EST BZ MS



* with 4 fixing holes
** not in FH variant

Classification key

pursuant to EN 12209:
3 S 5 1 0 G 6 B C 2 0

Series 52 FSP with anti-thrust latch

Series 52 NV with follower angle adjustment

see p 21

see p 25

Mortice locks for heavy-duty and fire doors

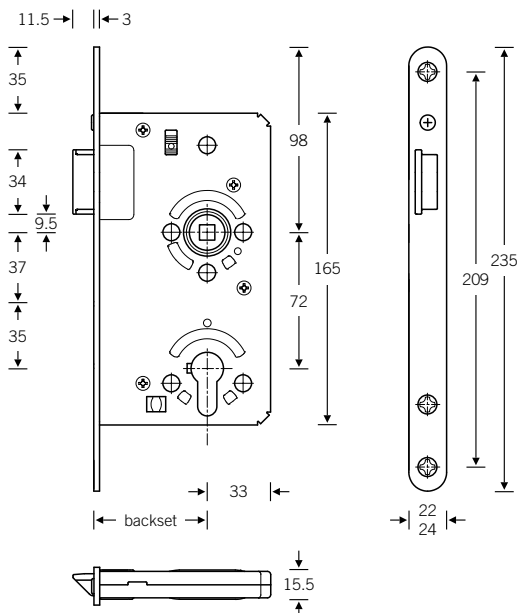
pursuant to DIN 18251-1 Class 3

Series 50 | 53 FS

as latch lock



- self-tightening follower in steel, galvanised
- follower bearing in polyamide
- latch bolt fine steel casting, nickel-plated
- lock case wholly enclosed, galvanised
- chip guards in the area of the lever handle
- regreasing device



Mortice lock		ES
Series 50		50
Series 53		53
Latch lock		FS
Flat forend	rounded edged	FR FK
Forend width	20 mm 24 mm	20 24
Forend length	235 mm	235
Backset	55 mm 60 mm 65 mm 50 mm 70 mm 80 mm 100 mm	55 60 65 50 70 80 100
Follower	8 mm □ 9 mm □ FH 10 mm □	08 09 10
Handing	right (RH) left (LH) (Series 53) latch bolt reversible RH/LH (Series 50)	RS LS
Forend material	Stainless Steel AISI 304 Bronze* Brass* (further materials to order)	EST BZ MS

* not in FH variant

Classification key

pursuant to EN 12209:
3 M 5 1 0 F 3 B 0 2 0

Mortice locks for heavy-duty and fire doors

pursuant to DIN 18251-1 Class 3

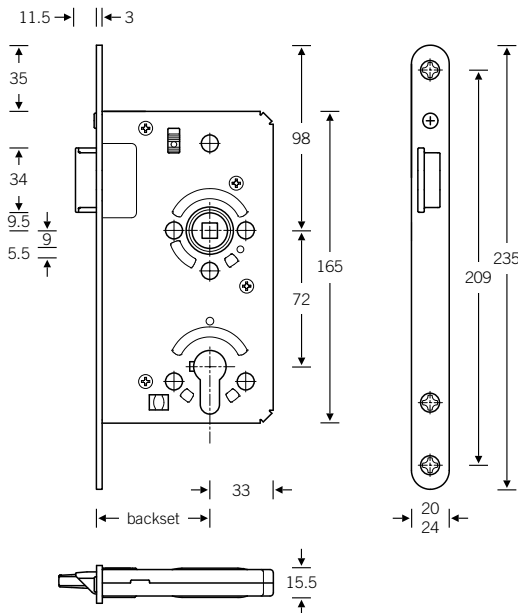
Series 50 | 53 FSW

as latch lock with latch retraction



- self-tightening follower in steel, galvanised
- follower bearing in polyamide
- latch bolt fine steel casting, nickel-plated
- lock case wholly enclosed, galvanised
- chip guards in the area of the lever handle
- regreasing device
- drill hole for cylinder screw in forend

Mortice lock		ES
Series 50		50
Series 53		53
Latch lock with latch retraction		FSW
Flat forend	rounded edged	FR FK
Forend width	20 mm 24 mm	20 24
Forend length	235 mm	235
Backset	55 mm 60 mm 65 mm 50 mm 70 mm 80 mm 100 mm	55 60 65 50 70 80 100
Centres	72 mm PC 74 mm RC 22 mm	72 74
Follower	8 mm □ 9 mm □ FH 10 mm □	08 09 10
Handing	right (RH) left (LH) (Series 53) latch bolt reversible RH/LH (Series 50)	RS LS
Forend material	Stainless Steel AISI 304 Bronze* Brass* (further materials to order)	EST BZ MS



* not in FH variant

Classification key

pursuant to EN 12209:
3 M 5 1 0 F 3 B A 2 0

Mortice locks for heavy-duty and fire doors

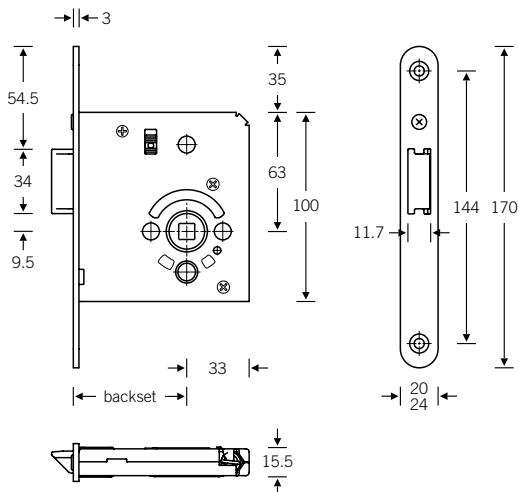
pursuant to DIN 18251-1 Class 3

Series 50 | 53 FSk

as short latch lock



- self-tightening follower in steel, galvanised
- follower bearing in polyamide
- latch bolt fine steel casting, nickel-plated
- chip guards in the area of the lever handle
- regreasing device



Mortice lock		ES
Series 50		50
Series 53		53
Short latch lock		FSk
Flat forend	rounded edged	FR FK
Forend width	20 mm 24 mm	20 24
Forend length	170 mm	170
Backset	55 mm 60 mm 65 mm 50 mm 70 mm 80 mm	55 60 65 50 70 80
Follower	8 mm □ 9 mm □ 10 mm □	08 09 10
Handing	right (RH) left (LH) (Series 53) latch bolt reversible RH/LH (Series 50)	RS LS
Forend material	Stainless Steel AISI 304 Bronze Brass (further materials to order)	EST BZ MS

Classification key

pursuant to EN 12209:
3 M 5 0 0 F 3 B 0 2 0

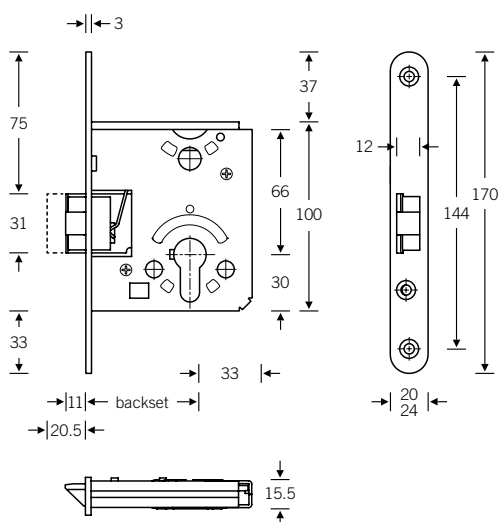
Series 50 FSk PZ

Food hatch lock

- latch bolt in galvanised steel, with thermally bonded guide element in polyamide for sound damping of latch bolt
- latch bolt lockable via profile cylinder
- latch bolt can be withdrawn via the profile cylinder



Mortice lock		ES
Series 50		50
Short latch lock		FSk
PC		PZ
Flat forend	rounded edged	FR FK
Forend width	20 mm 24 mm	20 24
Forend length	170 mm	170
Backset	55 mm	55
Handing	right (RH) left (LH)	RS LS
Forend material	Stainless Steel AISI 304	EST

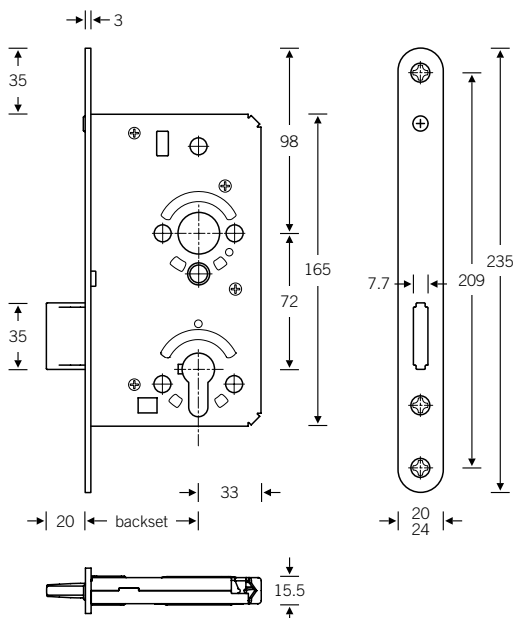


Mortice locks for heavy-duty and fire doors pursuant to DIN 18251-1 Class 3

Series 50 RS

as deadbolt lock,
centre variant

- dead bolt in steel, bolt head as nickel-plated casting
- chip guards in the area of the lever handle
- regreasing device



Mortice lock		ES
Series 50		50
Deadbolt lock		RS
Flat forend	rounded edged	FR FK
Forend width	20 mm 24 mm	20 24
Forend length	235 mm	235
Backset	55 mm 60 mm 65 mm 50 mm 70 mm 80 mm 100 mm	55 60 65 50 70 80 100
Centres	72 mm PC 78 mm WC	72 78
Forend material	Stainless Steel AISI 304 Bronze Brass (further materials to order)	EST BZ MS

Classification key

pursuant to EN 12209:
3 C 5 0 0 F 3 B C 0 0

Mortice locks for heavy-duty and fire doors

pursuant to DIN 18251-1 Class 3

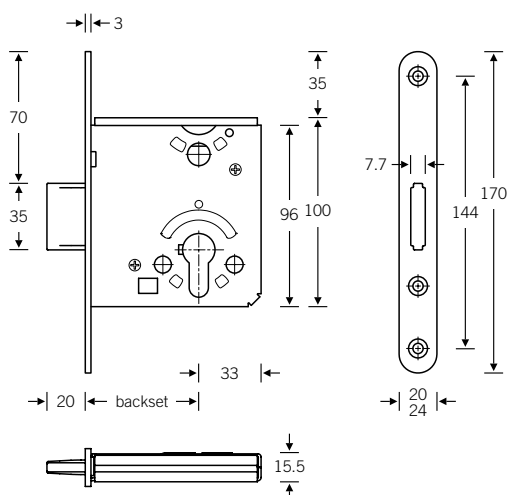
Series 50 RSk

as deadbolt lock,
centre variant

– dead bolt in steel, bolt head as nickel-plated casting



Mortice lock		ES
Series 50		50
Short deadbolt lock		RSk
Flat forend	rounded edged	FR FK
Forend width	20 mm 24 mm	20 24
Forend length	170 mm	170
Backset	55 mm 60 mm 65 mm 50 mm 70 mm 80 mm	55 60 65 50 70 80
Forend material	Stainless Steel AISI 304 Bronze Brass (further materials to order)	EST BZ MS



Classification key

pursuant to EN 12209:
3 C 5 0 0 F 3 B C 0 0

Mortice locks for heavy-duty and fire doors

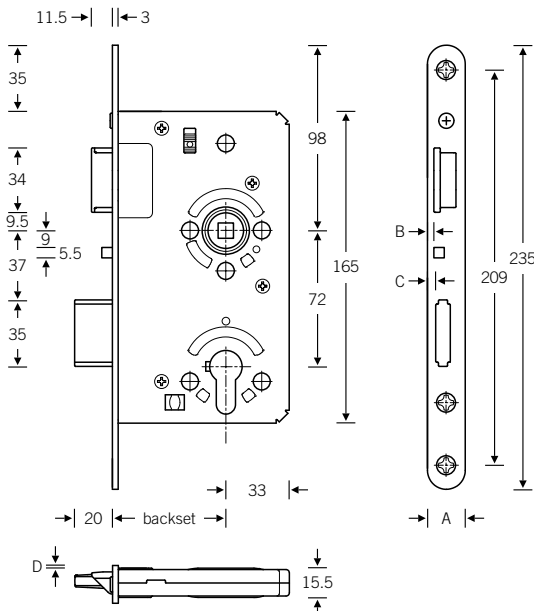
pursuant to DIN 18251-1 Class 3–5

Series 50 | 52 Series 53 | 54 | 55

as sash lock with anti-thrust latch



- self-tightening follower in steel, galvanised
- follower bearing in polyamide or steel rings
- latch bolt fine steel casting, nickel-plated
- auxiliary latch bolt as nickel-plated casting or in polyamide
- lock case wholly enclosed
- chip guards
- regreasing device



Mortice lock		ES
Series 50 (Class 3) for full leaf steel doors		50
Series 52 (Class 3) for full leaf steel doors		52
Series 53 (Class 3)		53
Series 54 (Class 4)		54
Series 55 (Class 5)		55
PC 2-throw with latch retraction		PZW
Stop works		FSP
Flat forend	rounded edged	FR FK
Forend width	20 mm 24 mm	20 24
Forend length	235 mm	235
Backset	55 mm 60 mm 65 mm 70 mm 80 mm	55 60 65 70 80
Centres	72 mm PC	72
Follower	8 mm □ 9 mm □ FH	08 09
Handing	right (RH) left (LH) latch bolt reversible RH/LH* (Series 50, 52)	RS LS
Forend material	Stainless Steel AISI 304 Bronze** Brass** (further materials to order)	EST BZ MS
Sound damping for latch bolt		FG

Dim. A Dim. B Dim. C Dim. D

20.0 3.4 4.0 1.4
24.0 6.0 6.6 4.0

Classification key

pursuant to EN 12209:
3 M 5 1 0 F 3 B C 2 0
3 S 5 1 0 G 6 B C 2 0

* This involves unscrewing and reversing the auxiliary bolt to suit the handing required

** not in FH variant



Mortice locks for heavy-duty and fire doors

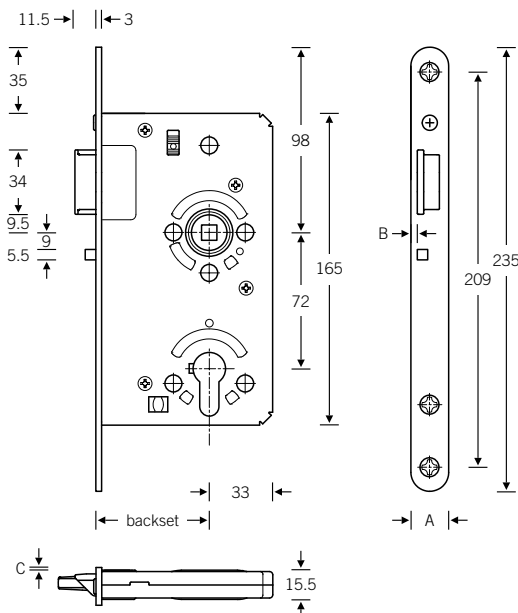
pursuant to DIN 18251-1 Class 3

Series 50 | 53

as latch lock with latch retraction and anti-thrust latch



- self-tightening follower in steel, galvanised
- follower bearing in polyamide
- latch bolt fine steel casting, nickel-plated
- auxiliary latch bolt as nickel-plated casting or in polyamide
- lock case wholly enclosed
- chip guards in the area of the lever handle
- regreasing device



Dim. A Dim. B Dim. C

20.0	3.4	1.4
24.0	6.0	4.0

Classification key

pursuant to EN 12209:
3 M 5 1 0 F 3 B A 2 0

Mortice lock		ES
Series 50 for full leaf steel doors		50
Series 53		53
Latch lock with latch retraction		FSW
Anti-thrust latch		FSP
Flat forend	rounded edged	FR FK
Forend width	20 mm 24 mm	20 24
Forend length	235 mm	235
Backset	55 mm 60 mm 65 mm 70 mm 80 mm	55 60 65 70 80
Centres	72 mm PC	72
Follower	8 mm □ 9 mm □ FH	08 09
Handing	right (RH) left (LH) latch bolt reversible RH/LH* (Series 50)	RS LS
Forend material	Stainless Steel AISI 304 Bronze** Brass** (further materials to order)	EST BZ MS
Sound damping for latch bolt		FG

* This involves unscrewing and reversing the auxiliary bolt to suit the handing required

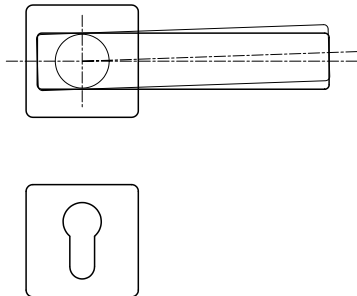
** not in FH variant



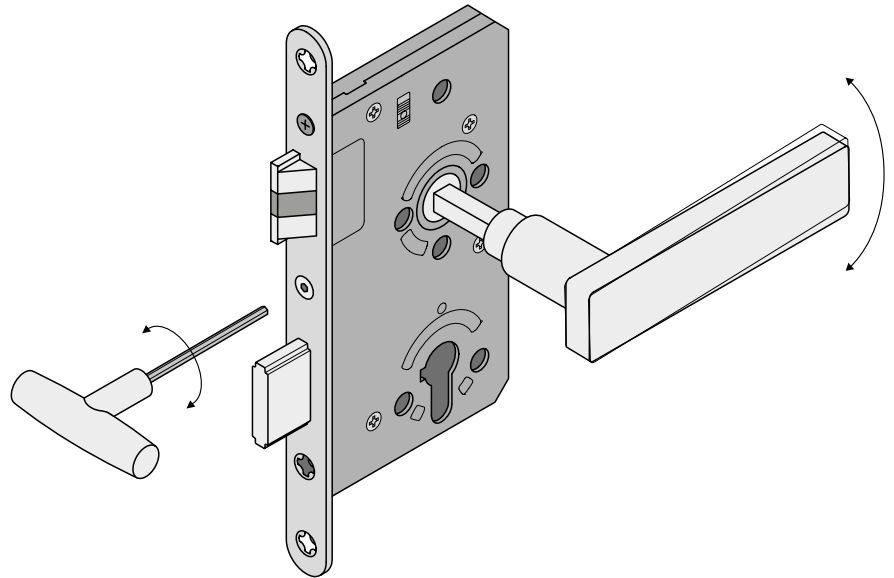
Keeping things nice and straight: lock follower angle adjustment

SSF Series 50–55 locks can be optional supplied with a device with which to adjust the angle of the door lever handle.

It is possible under the provisions of DIN 18251-1 to supply and assemble the lock follower with an upward angle adjustment of max. 2°. The consequence of this, however, is that the hardware doesn't look good when fitted – especially where geometrically linear handle designs are concerned. That's very annoying for users who set store by detail and for whom the door is only right if the handle is exactly horizontal when at rest.

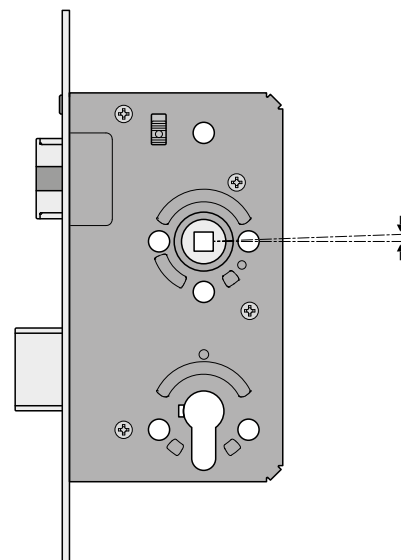


SSF Series 50–55 locks:
Subsequent adjustment on aesthetic grounds of up to 2°



SSF got round this by developing a device for its series 50–55 locks that enables the angle adjustment of the lock follower to be rectified. With the lock and handle fully fitted, this allows the latter to be adjusted up to 3° downwards by rotating a screw in the forend, thus cancelling out the follower angle adjustment permitted in the standard.

Admissible under DIN 18251-1:
lock follower angle adjustment of max. 2° upwards



For order details regarding Series 50–55 locks with angle adjustment see p 24 f.

Mortice locks for heavy-duty and fire doors

pursuant to DIN 18251-1 Class 5

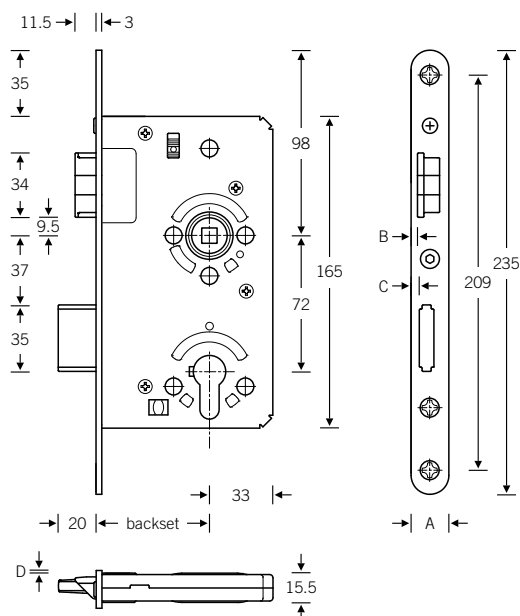
Series 55 NV

for very frequently used heavy-duty doors
and enhanced resistance to burglary



- self-tightening follower in steel, galvanised
- steel-ring follower bearing
- latch bolt fine steel casting, nickel-plated
- latch bolt with sound damping
- dead bolt in special-grade hardened and tempered steel, bolt head as nickel-plated casting
- lock case wholly enclosed, galvanised
- chip guards
- regreasing device

Mortice lock		ES
Series 55		55
Series 53 (Class 3 pursuant to DIN 18251-1)		53
Series 54 (Class 4 pursuant to DIN 18251-1)		54
Follower angle adjustment		NV
PC 2-throw with latch retraction Bathroom variant		PZW WC
Flat forend	rounded edged	FR FK
Forend width	20 mm 24 mm	20 24
Forend length	235 mm	235
Backset	55 mm 60 mm 65 mm 50 mm 70 mm 80 mm	55 60 65 50 70 80
Centres	72 mm PC 78 mm WC 74 mm RC 22 mm	72 78 74
Follower	8 mm □ 9 mm □ FH 10 mm □	08 09 10
Handing	right (RH) left (LH)	RS LS
Forend material	Stainless Steel AISI 304 Bronze* Brass* (further materials to order)	EST BZ MS



Dim. A Dim. B Dim. C Dim. D

20.0	3.4	4.0	1.4
24.0	6.0	6.6	4.0

Classification key

* not in FH variant

pursuant to EN 12209:
3 S 5 1 0 G 6 B C 2 0

Mortice locks for heavy-duty and fire doors

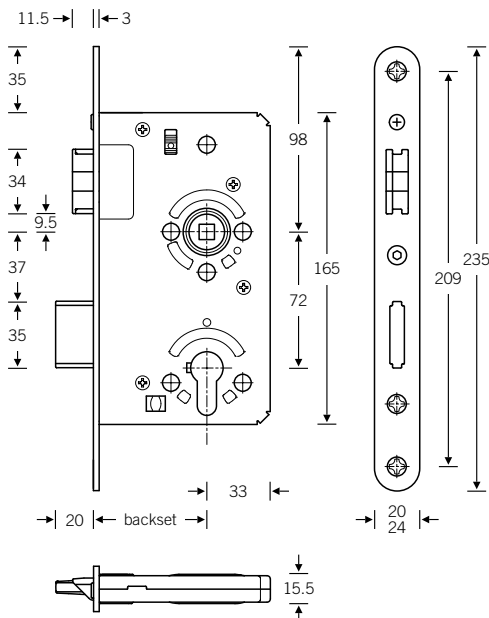
pursuant to DIN 18251-1 Class 5

Series 52 NV

for full leaf steel doors, centre variant, non-handed,
for very frequently used heavy-duty doors
and enhanced resistance to burglary



- self-tightening follower in steel, galvanised
- steel-ring follower bearing
- latch bolt fine steel casting, nickel-plated
- latch bolt with sound damping
- dead bolt in special-grade hardened and tempered steel, bolt head as nickel-plated casting
- lock case wholly enclosed, galvanised
- chip guards
- regreasing device



Mortice lock		ES
Series 52		52
Series 50 (Class 3 pursuant to DIN 18251-1)		50
Follower angle adjustment		NV
PC 2-throw with latch retraction		PZW
Bathroom variant		WC
Flat forend	rounded edged	FR FK
Forend width	20 mm 24 mm	20 24
Forend length	235 mm	235
Backset	55 mm 60 mm 65 mm 50 mm 70 mm 80 mm	55 60 65 50 70 80
Centres	72 mm PC 78 mm WC 74 mm RC 22 mm	72 78 74
Follower	8 mm □ 9 mm □ FH 10 mm □	08 09 10
Handing	latch bolt reversible RH/LH	
Forend material	Stainless Steel AISI 304 Bronze* Brass* (further materials to order)	EST BZ MS

Classification key

* not in FH variant

pursuant to EN 12209:
3 S 5 1 0 G 6 B C 2 0

Mortice locks for heavy-duty and fire doors

pursuant to DIN 18251-1 Class 5

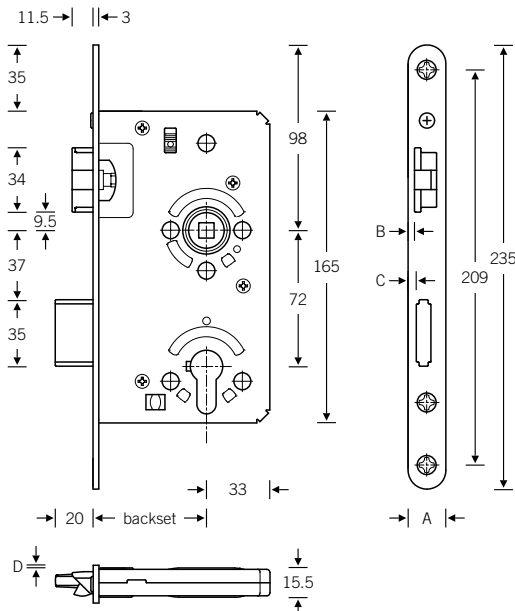
Series 55 KF

with cranked latch bolt,
for very frequently used heavy-duty doors
and enhanced resistance to burglary



- self-tightening follower in steel, galvanised
- steel-ring follower bearing
- cranked latch bolt in nickel-plated steel
- sound damping for latch bolt
- dead bolt in special-grade hardened and tempered steel
- bolt head as nickel-plated casting
- lock case wholly enclosed, galvanised
- chip guards
- regreasing device

Mortice lock		ES
Series 55		55
Series 53 (Class 3 pursuant to DIN 18251-1)		53
Series 54 (Class 4 pursuant to DIN 18251-1)		54
Cranked latch bolt		KF
PC 2-throw with latch retraction Bathroom variant		PZW WC
Flat forend	rounded edged	FR FK
Forend width	20 mm 24 mm	20 24
Forend length	235 mm	235
Backset	55 mm 60 mm 65 mm 50 mm 70 mm 80 mm 100 mm	55 60 65 50 70 80 100
Centres	72 mm PC 78 mm WC 74 mm RC 22 mm	72 78 74
Follower	8 mm □ 9 mm □ 10 mm □	08 09 10
Handing	right (RH) left (LH)	RS LS
Forend material	Stainless Steel AISI 304 Bronze Brass (further materials to order)	EST BZ MS



Dim. A Dim. B Dim. C Dim. D

20.0	3.4	4.0	1.4
24.0	6.0	6.6	4.0

Classification key

pursuant to EN 12209:
3 S 5 0 0 G 6 B C 2 0

Mortice locks for heavy-duty and fire doors

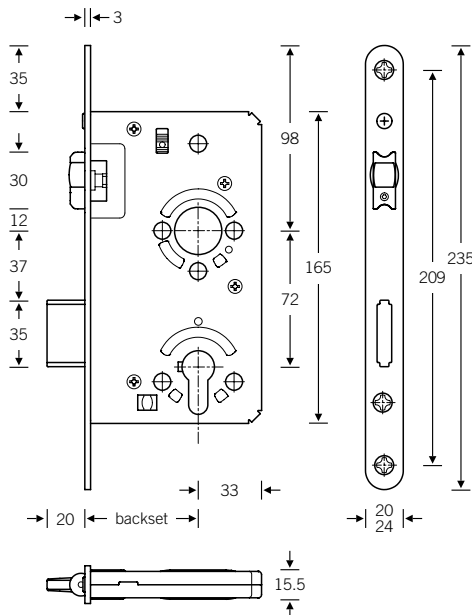
pursuant to DIN 18251-1 Class 5

Series 55 RoF

with roller latch bolt and dead bolt,
for very frequently used heavy-duty doors



- dead bolt in special-grade hardened and tempered steel
- bolt head as nickel-plated casting
- lock case wholly enclosed, galvanised
- chip guards
- regreasing device
- centre variant, non-handed
- adjustable roller latch bolt 2–9 mm
- roller \varnothing 13.8 mm



Mortice lock		ES
Series 55		55
Series 53 (Class 3 pursuant to DIN 18251-1)		53
Series 54 (Class 4 pursuant to DIN 18251-1)		54
Roller latch lock		RoF
PC 2-throw with latch retraction		PZW
Bathroom variant		WC
Flat forend	rounded edged	FR FK
Forend width	20 mm 24 mm	20 24
Forend length	235 mm	235
Backset	60 mm 65 mm 70 mm 80 mm 100 mm	60 65 70 80 100
Centres	72 mm PC 78 mm WC 74 mm RC 22 mm	72 78 74
Forend material	Stainless Steel AISI 304 Bronze Brass (further materials to order)	EST BZ MS

Classification key

pursuant to EN 12209:
3 S 5 0 0 G 6 B C 2 0

Mortice locks for heavy-duty and fire doors

pursuant to DIN 18251-1 Class 5 and DIN EN 1627

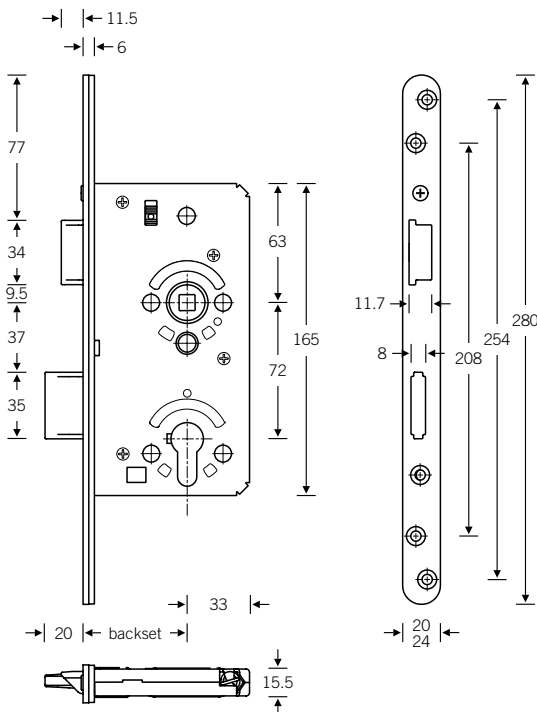
Series 55 ET

with double forend,
for burglary-resistant doors,
RC 4-approved



- self-tightening follower in steel, galvanised
- steel-ring follower bearing
- latch bolt, nickel-plated steel investment casting
- latch bolt with sound damping
- dead bolt in special-grade hardened and tempered steel
- bolt head as nickel-plated casting
- lock case wholly enclosed, galvanised
- chip guards
- regreasing device
- double forend 6 mm
- fire-safety approved with 9 mm follower

Mortice lock burglary-resistant		ET
Series 55		55
PC 2-throw with latch retraction		PZW
Flat double forend	rounded	FR
Forend width	20 mm 24 mm	20 24
Forend length	280 mm 235 mm	280 235
Backset	55 mm 60 mm 65 mm 70 mm 80 mm 100 mm	55 60 65 70 80 100
Centres	72 mm PC	72
Follower	8 mm □ 9 mm □ FH 10 mm □	08 09 10
Handing	right (RH) left (LH)	RS LS
Forend material	Stainless Steel AISI 304	EST



Classification key

pursuant to EN 12209:
3 S 5 1 0 G 6 B C 2 0

Mortice locks for heavy-duty and fire doors

pursuant to DIN 18251-1 Class 5 and DIN EN 1627

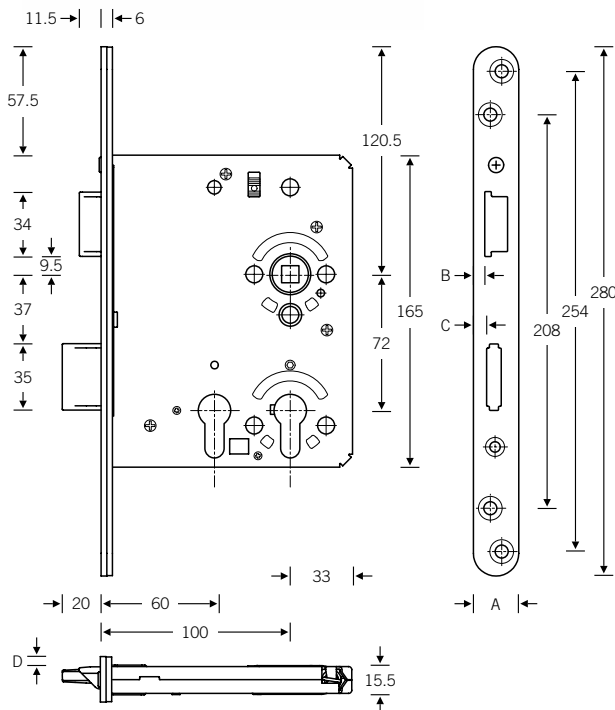
Series 55 DZ

for burglary-resistant doors,
RC 4-approved



- self-tightening follower in steel, galvanised
- steel-ring follower bearing
- latch bolt, nickel-plated steel investment casting
- dead bolt in special-grade hardened and tempered steel
- bolt head as nickel-plated casting
- lock case wholly enclosed, galvanised
- chip guards
- regreasing device
- double forend 6 mm
- fire-resistant with 9 mm follower
- for two separate locking suites

Mortice lock burglary-resistant		ET
Series 55		55
Double cylinder		DZ
PC 2-throw with latch retraction		PZW
Flat double forend	rounded	FR
Forend width	20 mm 24 mm	20 24
Forend length	280 mm	280
Backset	60 mm 100 mm	60 100
Centres	72 mm PC	72
Follower	8 mm □ 9 mm □ FH 10 mm □	08 09 10
Handing	right (RH) left (LH)	RS LS
Forend material	Stainless Steel AISI 304	EST
mechanical locking indicator		SAZ



Dim. A Dim. B Dim. C Dim. D

20.0	3.4	4.0	1.4
24.0	6.0	6.6	4.0

Classification key

pursuant to EN 12209:
3 S 5 1 0 G 6 B C 2 0

Mortice locks for heavy-duty and fire doors

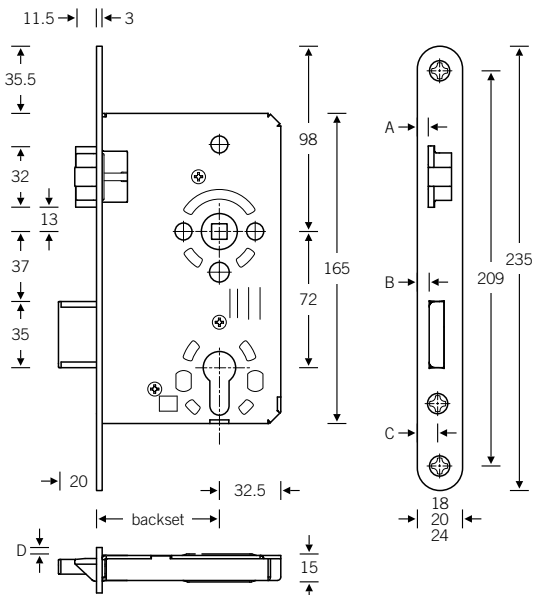
pursuant to DIN 18251-1 Class 3

Series ES 19

as heavy-duty lock



- self-tightening follower in steel, galvanised, with polyamide follower hole bushes
- latch and dead bolt in galvanised steel, with thermally bonded guide element in polyamide for sound damping in the lock and on the latch bolt
- lock case wholly enclosed, galvanised



Forend width	A	B	C	D
18 mm	3.0	3.5	8.0	0.5
20 mm	3.4	3.9	8.5	1.0
24 mm	5.8	6.3	10.8	3.4

Classification key

pursuant to EN 12209:
3 M 5 0 0 G 3 H C 2 0

Mortice lock		ES
Series 19		19
PC 2-throw with latch retraction		PZW
Bathroom variant		WC
WL variant + 1 key		BB
Flat forend	rounded edged	FR FK
Forend width	20 mm 24 mm 18 mm	20 24 18
Forend length	235 mm	235
Backset	55 mm 60 mm 65 mm	55 60 65
Centres	72 mm PC 78 mm WC 74 mm RC 22 mm	72 78 74
Follower	8 mm □	08
Handing	right (RH) left (LH)	RS LS
Forend material	Silver Coloured Lacquered Steel Stainless Steel	silb EST
Dead bolt metal	spray-coated, galvanised	vrz

Series ES 19 VF VR with solid latch and dead bolts see p 31

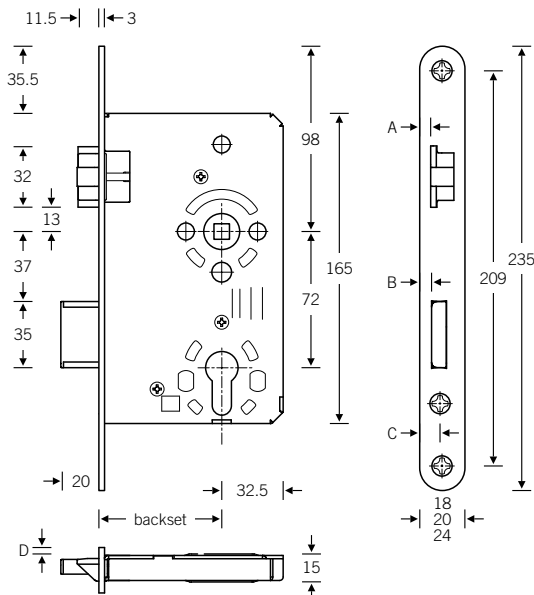
Mortice locks for heavy-duty and fire doors

pursuant to DIN 18251-1 Class 3

Series ES 19 VF VR

as heavy-duty lock,
with solid latch and dead bolts

- self-tightening follower in steel, galvanised, with polyamide follower hole bushes
- latch and dead bolts zinc spray-coated, nickel-plated
- lock case wholly enclosed, galvanised



Mortice lock		ES
Series 19		19
Solid latch bolt		VF
Solid dead bolt		VR
PC 2-throw with latch retraction		PZW
Bathroom variant		WC
WL variant + 1 key		BB
Flat forend	rounded edged	FR FK
Forend width	20 mm 24 mm 18 mm	20 24 18
Forend length	235 mm	235
Backset	55 mm 60 mm 65 mm	55 60 65
Centres	72 mm PC 78 mm WC 74 mm RC 22 mm	72 78 74
Follower	8 mm □	08
Handing	right (RH) left (LH)	RS LS
Forend material	Stainless Steel	EST

Forend width	A	B	C	D
18 mm	3.0	3.5	8.0	0.5
20 mm	3.4	3.9	8.5	1.0
24 mm	5.8	6.3	10.8	3.4

Classification key

pursuant to EN 12209:
3 M 5 0 0 G 3 H C 2 0

Mortice locks for heavy-duty and fire doors

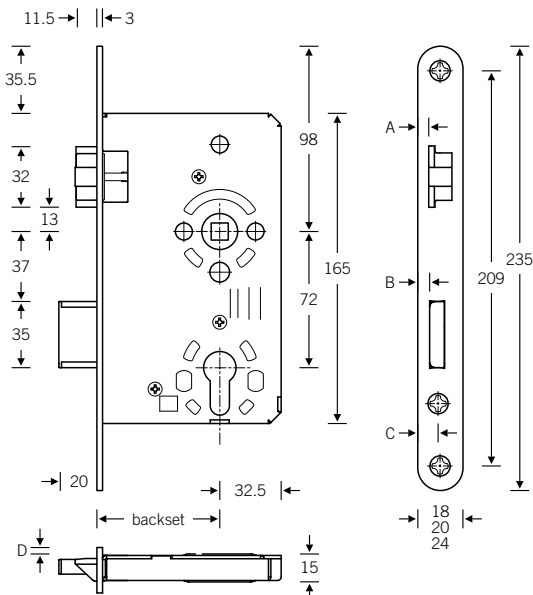
pursuant to DIN 18250 Class 3

Series FH 19

fire-retardant



- folded-type follower in galvanised steel
- latch and dead bolt in galvanised steel, with thermally bonded guide element in polyamide for sound damping in the lock and on the latch bolt
- lock case wholly enclosed, galvanised



Forend width	A	B	C	D
18 mm	3.0	3.5	8.0	0.5
20 mm	3.4	3.9	8.5	1.0
24 mm	5.8	6.3	10.8	3.4

Classification key

pursuant to EN 12209:
3 M 5 1 0 G 3 H C 2 0

Mortice lock fire-retardant		FH
Series 19		19
PC 2-throw with latch retraction Bathroom variant*		PZW WC
Flat forend	rounded edged	FR FK
Forend width	20 mm 24 mm 18 mm*	20 24 18
Forend length	235 mm	235
Backset	55 mm 65 mm 60 mm*	55 65 60
Centres	72 mm PC 78 mm WC*	72 78
Follower	9 mm □	09
Handing	right (RH) left (LH)	RS LS
Forend material	Silver Coloured Lacquered Steel Stainless Steel	silb EST
Dead bolt metal spray-coated, galvanised		vrz

Series FH 19 VF VR with solid latch and dead bolts see p 33

* This variant is not covered by DIN 18250 and must not be accorded the "Ü" kitemark.



Tested and quality-controlled
by the Velbert testing institute

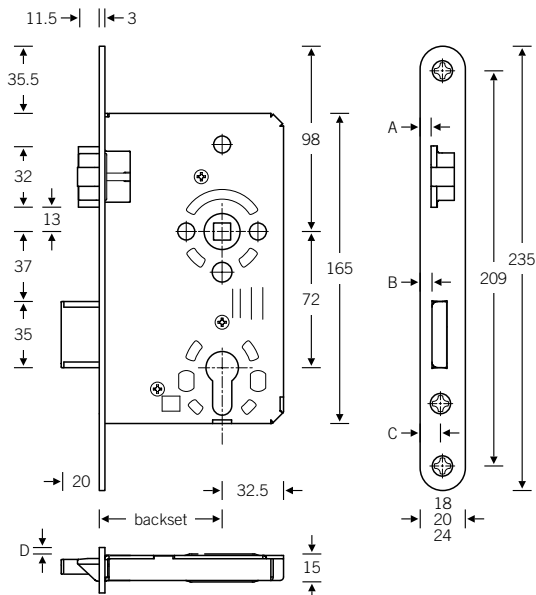
Mortice locks for heavy-duty and fire doors

pursuant to DIN 18250 Class 3

Series FH 19 VF VR

fire-retardant,
with solid latch and dead bolts

- folded-type follower in galvanised steel
- latch and dead bolts zinc spray-coated, nickel-plated
- lock case wholly enclosed, galvanised



Mortice lock fire-retardant		FH
Series 19		19
Solid latch bolt		VF
Solid dead bolt		VR
PC 2-throw with latch retraction Bathroom variant*		PZW WC
Flat forend	rounded edged	FR FK
Forend width	20 mm 24 mm 18 mm*	20 24 18
Forend length	235 mm	235
Backset	55 mm 65 mm 60 mm*	55 65 60
Centres	72 mm PC 78 mm WC*	72 78
Follower	9 mm □	09
Handing	right (RH) left (LH)	RS LS
Forend material	Stainless Steel	EST

Forend width	A	B	C	D
18 mm	3.0	3.5	8.0	0.5
20 mm	3.4	3.9	8.5	1.0
24 mm	5.8	6.3	10.8	3.4

Classification key
pursuant to EN 12209:
3 M 5 1 0 G 3 H C 2 0

* This variant is not covered by DIN 18250 and must not be accorded the "Ü" kitemark.



Tested and quality-controlled
by the Velbert testing institute

Mortice locks for heavy-duty and fire doors

pursuant to DIN 18251-1 Class 4

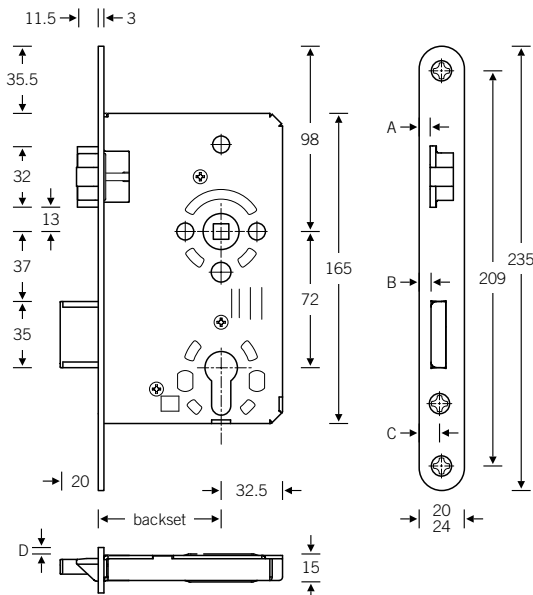
Series ES 24

as heavy-duty lock



- self-tightening follower in steel with steel follower hole bushes, galvanised
- latch and dead bolt in galvanised steel, with thermally bonded guide element in polyamide for sound damping in the lock and on the latch bolt
- lock case wholly enclosed, galvanised
- forend stainless steel

Mortice lock		ES
Series 24		24
PC 2-throw with latch retraction Bathroom variant		PZW WC
Flat forend	rounded edged	FR FK
Forend width	20 mm 24 mm	20 24
Forend length	235 mm	235
Backset	55 mm 60 mm 65 mm	55 60 65
Centres	72 mm PC 78 mm WC 74 mm RC 22 mm	72 78 74
Follower	8 mm □	08
Handing	right (RH) left (LH)	RS LS
Forend material	Stainless Steel Silver Coloured Lacquered Steel	EST silb
Dead bolt metal spray-coated, galvanised		vrz



Forend width	A	B	C	D
20 mm	3.4	3.9	8.5	1.0
24 mm	5.8	6.3	10.8	3.4

Classification key

Series ES 24 VF VR with solid latch and dead bolts see p 34

pursuant to EN 12209:
3 S 5 0 0 G 4 H C 2 0

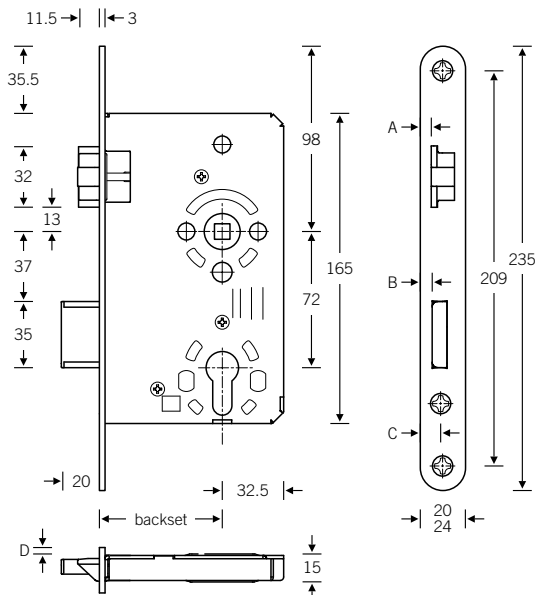
Mortice locks for heavy-duty and fire doors

pursuant to DIN 18251-1 Class 4

Series ES 24 VF VR

as heavy-duty lock,
with solid latch and dead bolts

- self-tightening follower in steel with steel follower hole bushes, galvanised
- latch and dead bolts zinc spray-coated, nickel-plated
- lock case wholly enclosed, galvanised
- forend stainless steel



Mortice lock		ES
Series 24		24
Solid latch bolt		VF
Solid dead bolt		VR
PC 2-throw with latch retraction Bathroom variant		PZW WC
Flat forend	rounded edged	FR FK
Forend width	20 mm 24 mm	20 24
Forend length	235 mm	235
Backset	55 mm 60 mm 65 mm	55 60 65
Centres	72 mm PC 78 mm WC 74 mm RC 22 mm	72 78 74
Follower	8 mm □	08
Handing	right (RH) left (LH)	RS LS
Forend material	Stainless Steel	EST

Forend width	A	B	C	D
20 mm	3.4	3.9	8.5	1.0
24 mm	5.8	6.3	10.8	3.4

Classification key

pursuant to EN 12209:
3 S 5 0 0 G 4 H C 2 0

Mortice locks for heavy-duty and fire doors

pursuant to DIN 18250 Class 4

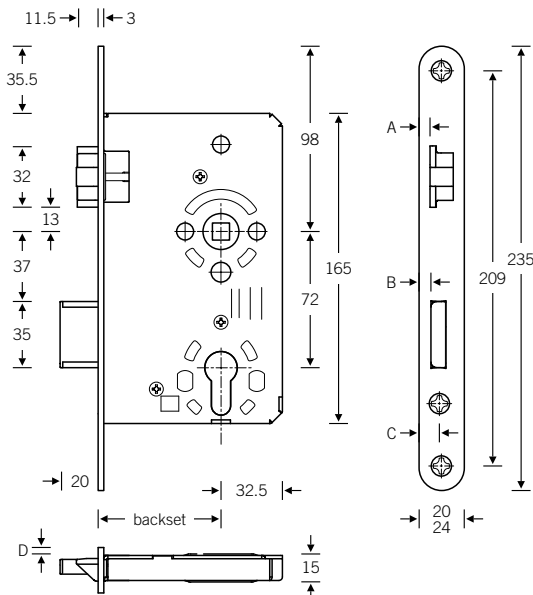
Series FH 24

fire-retardant



- self-tightening follower in steel with steel follower hole bushes, galvanised
- latch and dead bolt in galvanised steel, with thermally bonded guide element in polyamide for sound damping in the lock and on the latch bolt
- lock case wholly enclosed, galvanised
- forend stainless steel

Mortice lock fire-retardant		FH
Series 24		24
PC 2-throw with latch retraction Bathroom variant*		PZW WC
Flat forend	rounded edged	FR FK
Forend width	20 mm 24 mm	20 24
Forend length	235 mm	235
Backset	55 mm 65 mm 60 mm*	55 65 60
Centres	72 mm PC 78 mm WC*	72 78
Follower	9 mm □	09
Handing	right (RH) left (LH)	RS LS
Forend material	Stainless Steel	EST
Dead bolt metal spray-coated, galvanised		vrz



Forend width	A	B	C	D
20 mm	3.4	3.9	8.5	1.0
24 mm	5.8	6.3	10.8	3.4

Classification key

pursuant to EN 12209:
3 S 5 1 0 G 4 H C 2 0

Series FH 24 VF VR with solid latch and dead bolts see p 37

* This variant is not covered by DIN 18250 and must not be accorded the "Ü" kitemark.



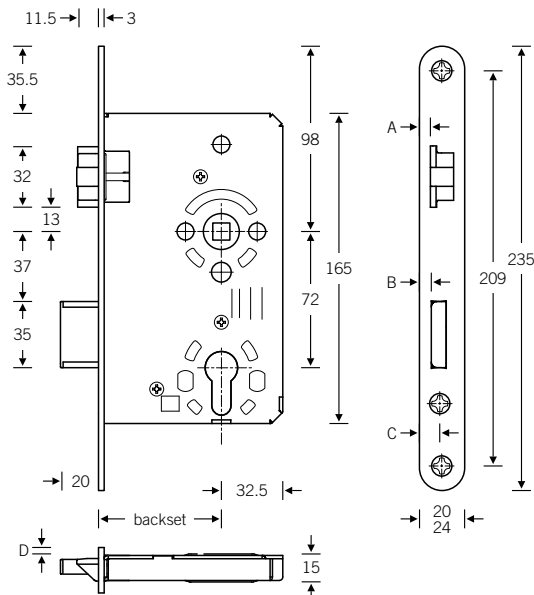
Tested and quality-controlled
by the Velbert testing institute

Mortice locks for heavy-duty and fire doors pursuant to DIN 18250 Class 4

Series FH 24 VF VR

fire-retardant,
with solid latch and dead bolts

- self-tightening follower in steel with steel follower hole bushes, galvanised
- latch and dead bolts zinc spray-coated, nickel-plated
- lock case wholly enclosed, galvanised
- forend stainless steel



Mortice lock fire-retardant		FH
Series 24		24
Solid latch bolt		VF
Solid dead bolt		VR
PC 2-throw with latch retraction Bathroom variant*		PZW WC
Flat forend	rounded edged	FR FK
Forend width	20 mm 24 mm	20 24
Forend length	235 mm	235
Backset	55 mm 65 mm 60 mm*	55 65 60
Centres	72 mm PC 78 mm WC*	72 78
Follower	9 mm □	09
Handing	right (RH) left (LH)	RS LS
Forend material	Stainless Steel	EST

Forend width	A	B	C	D
20 mm	3.4	3.9	8.5	1.0
24 mm	5.8	6.3	10.8	3.4

Classification key

* This variant is not covered by DIN 18250 and must not be accorded the "Ü" kitemark.

pursuant to EN 12209:
3 S 5 1 0 G 4 H C 2 0



Tested and quality-controlled
by the Velbert testing institute

Emergency exit devices comprise lock and hardware. They are designed so that an emergency exit door can be released and opened in a single operation in hazardous situations regardless of whether the door is locked or is merely on the latch.

DIN EN 179 governs the use of and requirements for emergency exit devices with lever handles and push pads. Hardware combinations within the meaning of EN 179 are to be rated as products of relevance for building supervision purposes requiring EU/CE conformance markings. They consist of a lock, hardware and striking plate and are required to have been tested and certified together. FSB supplies what must be one of the most comprehensive ranges of hardware in the trade in this respect, thus relieving you of the need to address such matters.

Things are rather more complicated where DIN EN 1125 is concerned. This standard stipulates that panic door devices (= lock + striking plate + push bar) are to be fitted wherever high levels of public traffic are likely and unfamiliarity with the environs may lead to panic arising, e.g. in assembly rooms, theatres, cinemas, discotheques etc.

Construction Products Regulation (EU CPR)

The Declarations of Performance with which SSF documents the conformity of relevant products to the applicable EU regulations are to be found at www.ssf.de/baupvo

Need to know more?

Our brochure "Lock and fitting solutions for emergency exit and anti-panic doors" is a mine of information on the subject. It can be downloaded from www.ssf.de or requested free of charge by emailing info@ssf.de

Series FH 61	44
Series FH 62	45
Series FH 62 GK	46
Series 20 APE	47
Series 20 APD	48
Series 20 APK	49
Series 21 APK	50

Changeover function B

Functional description

(for lock series FH 61/62)

External handle with no function

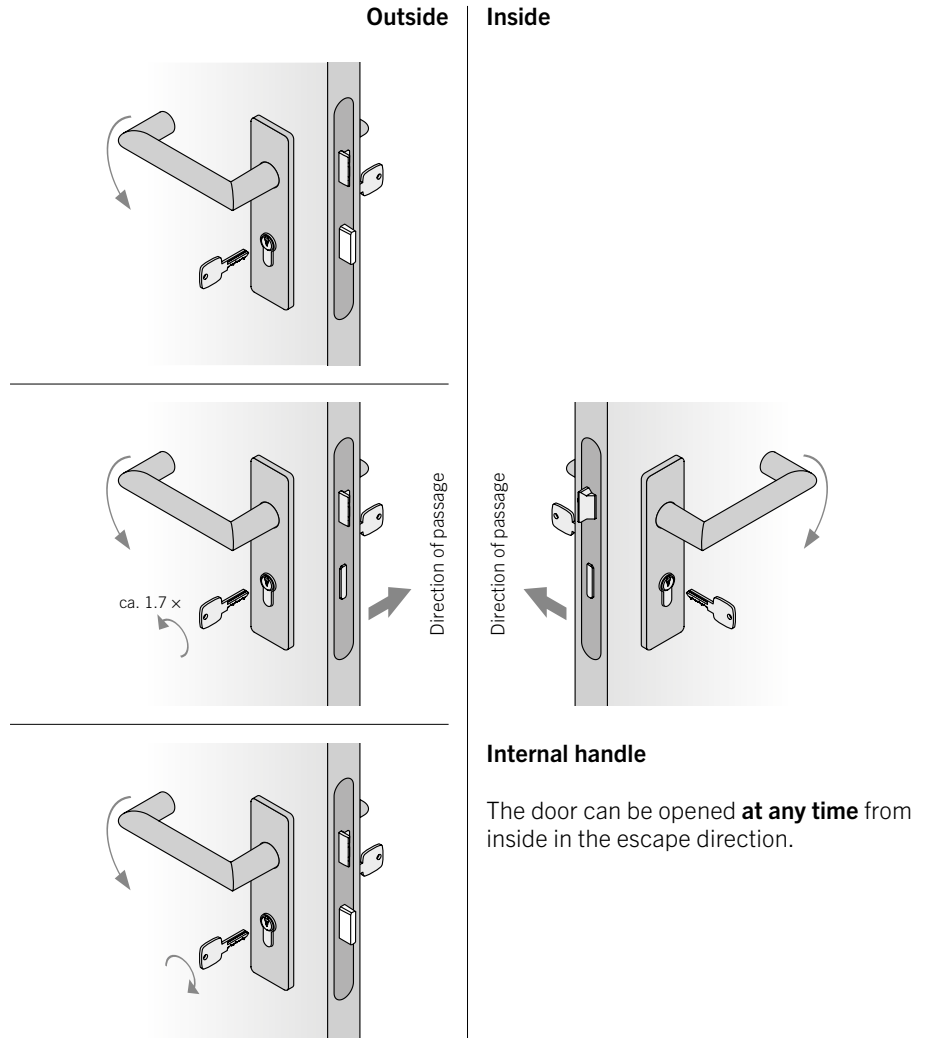
Starting situation: door is locked, the handle is disconnected.

External handle, establishing daytime function

To open the door from outside, the external handle is coupled with the key. To do so, the key is turned in the changeover direction until a “click” is heard. After that turn the key back until you hear another “click” and then again in the changeover direction until the final “click” is heard. The door handle is now coupled and the door can be opened from the inside and the outside. Our version of function “B” has the advantage that the locking nose on the cylinder does not have to be brought into a defined position by the user (“free-movement function”) and hence any type of cylinder can be used – even electronic cylinders. The door can now be opened from the inside and outside.

External handle, night-time function

If the espagnolette lock is engaged with the key, then the door can no longer be opened from outside as it is kept shut by the espagnolette lock. The external door handle is disconnected. The door can, however, be opened at any time from inside (panic activation), even without a key, by using the internal door handle. The external door handle remains disconnected, which means it is still not possible to enter from outside.



Internal handle

The door can be opened **at any time** from inside in the escape direction.

Application

For doors that must enable a passage from inside and at times from outside.

After a panic opening from inside and once the door shuts, the door cannot be opened from outside. Access only with key.

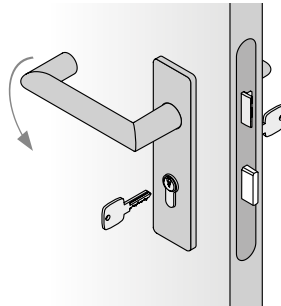
- Corridor doors in administration and office buildings
- Side entrance doors, e.g. old people's homes, hotels, nurseries, schools, administration buildings and the like

Transit function D

Functional description

External handle

Starting situation: Door is locked. When the external handle is pushed, the latch is retracted.

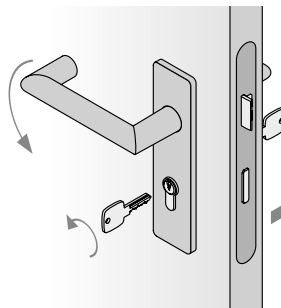


Outside

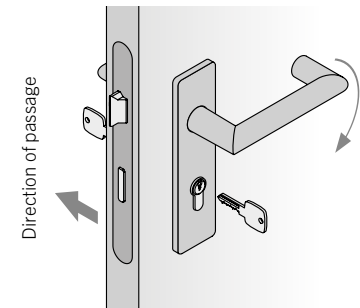
Inside

Outside

If the door is locked, to open it from outside the espagnolette lock must be retracted using the key. The door can now be permanently opened from the inside and outside.



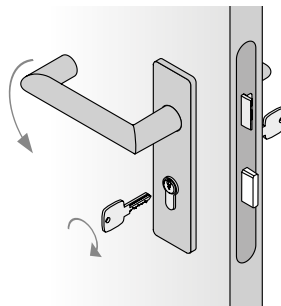
Direction of passage



Direction of passage

Inside

If the espagnolette lock is engaged with the key, then the door can no longer be opened from outside as it is kept shut by the espagnolette lock. The door can, however, be opened at any time from inside, even without a key, by using the internal door handle. After triggering the panic function (from inside) and once the door shuts, the door can be permanently opened from outside. In order to prevent unauthorised access from outside again, the espagnolette lock must be engaged by using the key.



Internal handle

The door can be opened **at any time** from inside in the escape direction.

Application

For doors that must enable a passage from inside and outside.

After a panic opening from inside, the door can also be opened from outside, in order, for example, to allow the emergency services easy access.

- Corridor doors in administration and office buildings
- Side entrance doors, e.g. old people's homes, hotels, nurseries, schools, administration buildings and the like

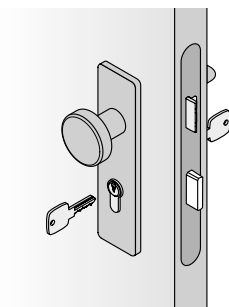
Latch lever function E

Functional description

Outside fixed door knob

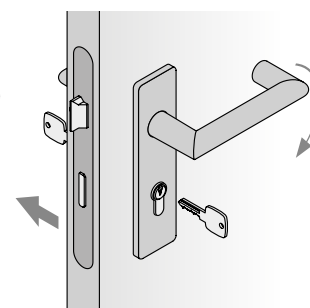
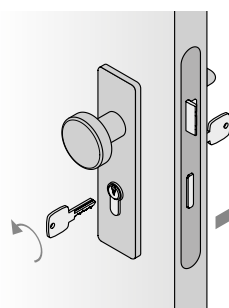
Outside

Inside



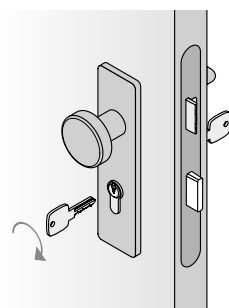
Inside

The door can be unlocked from inside by activating the panic door handle or pull bar or with the key. The latch and espagnolette lock are retracted simultaneously by the door handle or the pull bar. Once the door closes, it is only held by the latch. The door must be locked using the locking cylinder / key.



Outside

On the outside of the door there is a fixed door knob. The door can only be locked and unlocked on the outside with the key. When unlocked, the latch can be retracted via the changeover with the key. After closing the door, this must be manually bolted again by locking with the key.



Internal handle

The door can be opened **at any time** from inside in the escape direction.

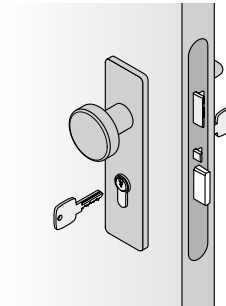
Latch lever function E + automatic locking

Functional description

(for lock series 20/21 APK)

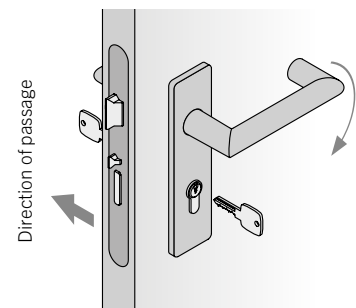
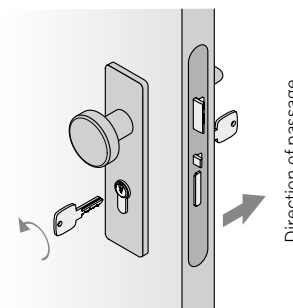
Outside fixed door knob

Outside Inside



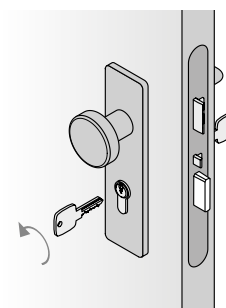
Inside

The door can be unlocked from the inside by panic operation of the door lever handle/ push bars or else using the key. Latch and dead bolts are withdrawn simultaneously via the handle/push bar. Once the door has been closed, it is automatically locked via both the latch and dead bolts.



Outside

There is a dead knob on the outside of the door. Locking/unlocking can only be performed with a key on the outside. In the unlocked state, the latch bolt can be withdrawn by key via the latch retract mechanism. Once the door has been closed, it is automatically locked via both the latch and dead bolts.



Internal handle

The door can be opened **at any time** from inside in the escape direction.

Application

For doors on which unauthorised opening from outside must be prevented as a matter of principle.

The fixed door knob means entry is only possible from outside by operating the key.

- Doors used on technical facilities such as substations, boiler rooms or lifts
- Underground car parks
- Entrance doors for warehouses and business premises or also shops
- Entrance doors to houses and flats in residential and apartment buildings

Mortice locks for emergency exit devices

pursuant to DIN EN 179 and DIN EN 1125

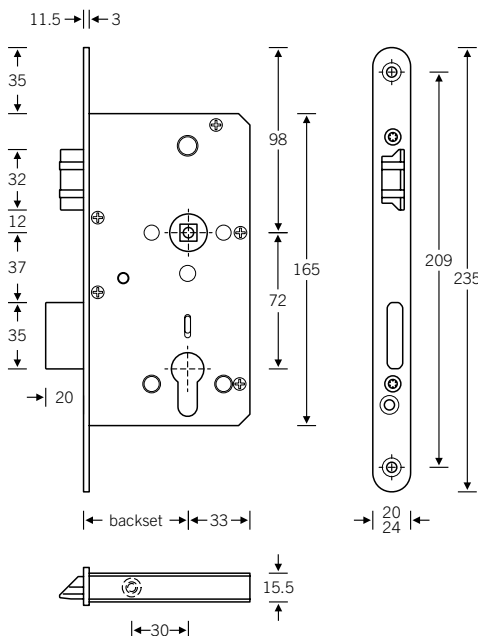
Series FH 61

for 1-leaf emergency exit and panic doors
as well as fire doors



Fig. DIN right

- follower and whisper latch in silicon tombac
- bolt head in nickel-plated die-cast zinc
- lock case closed all round, galvanised steel
- four query points for microswitches
- top catch: 8.5 mm stroke
- Functions B/D split follower
- Function E single-section follower and latch retraction
- when the dead bolt is withdrawn, it is withdrawn earlier than the latch bolt
- can be combined with standard, knob, free-running and electronic cylinders
- rapid locking
- angle of rotation of follower 30°



Mortice lock fire-retardant		FH
Series 61		61
Panic + quick locking combination:		
PC 1-throw,		
Panic function B		APB
Panic function D		APD
Panic function E		APE
Flat forend	rounded, Satin Stainless Steel edged	FR FK
Forend width	20 mm 24 mm	20 24
Forend length	235 mm 280 mm*	235 280
Backset	55 mm 60 mm 65 mm 80 mm	55 60 65 80
Centres	72 mm PC 74 mm RC 22 mm	72 74
Follower	9 mm □	09
Handing for Functions B/D:	DIN LH opening outwards DIN LH opening inwards DIN RH opening outwards DIN RH opening inwards	LA LE RA RE
for Function E:	left (LH) right (RH)	LS RS
Forend version	Stainless Steel	EST
Top catch		OV

Classification key

pursuant to EN 12209:
3 M 5 1 0 G 2 B A 2 0
pursuant to EN 179:
3 7 6 B 1 4 4 1 A A/D
pursuant to EN 1125:
3 7 6 B 1 4 2 2 A A

Lock optionally suppliable with up to four electronic status-monitoring points (dead bolt, latch bolt, top catch and door-handle engagement)

* with 4 fixing holes

Mortice locks for emergency exit devices pursuant to DIN EN 179 and DIN EN 1125

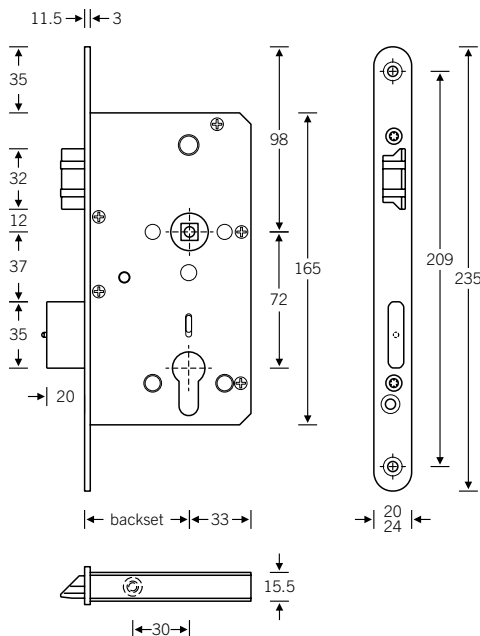
Series FH 62

for 2-leaf emergency exit and panic doors
as well as fire doors



Fig. DIN right

- follower and whisper latch silicon tombac
- bolt head in nickel-plated die-cast zinc
- lock case closed all round, galvanised steel
- four query points for microswitches
- top catch: 8.5 mm stroke
- Functions B/D split follower
- Function E single-section follower and latch retraction
- when the dead bolt is withdrawn, it is withdrawn earlier than the latch bolt
- can be combined with standard, knob, free-running and electronic cylinders
- rapid locking
- angle of rotation of follower 30°



Mortice lock fire-retardant	FH
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Series 62	62
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Panic + quick locking combination:
PC 1-throw,
Panic function B APB
Panic function D APD
Panic function E APE

Flat forend	rounded, Satin Stainless Steel edged	FR FK
-------------	---	----------

Forend width	20 mm 24 mm	20 24
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Forend length	235 mm 280 mm*	235 280
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Backset	55 mm 60 mm 65 mm 80 mm	55 60 65 80
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Centres	72 mm PC 74 mm RC 22 mm	72 74
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Follower	9 mm □	09
----------	--------	----

Handing for Functions B/D:	DIN LH opening outwards DIN RH opening outwards	LA RA
for Function E:	left (LH) right (RH)	LS RS

Forend version	Stainless Steel	EST
----------------	-----------------	-----

Top catch		OV
-----------	--	----

Classification key

pursuant to EN 12209:
3 M 5 1 0 G 2 B A 2 0
pursuant to EN 179:
3 7 6 B 1 4 4 1 A A
pursuant to EN 1125:
3 7 6 B 1 4 2 2 A A

Counter box for Series FH 62

see p 46

Lock optionally suppliable with up to four electronic status-monitoring points (dead bolt, latch bolt, top catch and door-handle engagement)

* with 4 fixing holes

Mortice locks for emergency exit devices

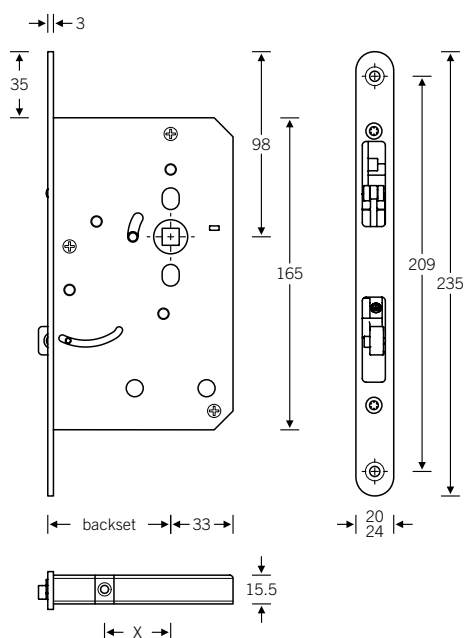
pursuant to DIN EN 179 and DIN EN 1125

Series FH 62 GK

Counter box for mortice lock,
for 2-leaf emergency exit and panic doors
as well as fire doors



- follower in steel
- lock case closed all round, galvanised steel
- with top and bottom catch: 13 mm stroke
- adjustable dead-bolt ejector for 2–6 mm airgap
- angle of rotation of follower 30°



Mortice lock fire-retardant		FH
Series 62		62
Counter box		GK
Flat forend	rounded, Satin Stainless Steel edged	FR FK
Forend width	20 mm 24 mm	20 24
Forend length	235 mm 280 mm*	235 280
Backset	65 mm 80 mm	65 80
Follower	9 mm □	09
Handing	left (for active leaf DIN RH) right (for active leaf DIN LH)	LS RS
Forend version	Stainless Steel	EST
rod connection dimension**	Backset – 35 mm Backset – 20 mm Backset – 25 mm Backset – 27 mm Backset – 30 mm Backset – 40 mm Backset – 45 mm	x – 35 mm x – 20 mm x – 25 mm x – 27 mm x – 30 mm x – 40 mm x – 45 mm

* with 4 fixing holes

** rod connection dimension = backset – x
The rod connection dimension is to be advised in addition to the Product Code when ordering.

Mortice locks for emergency exit devices

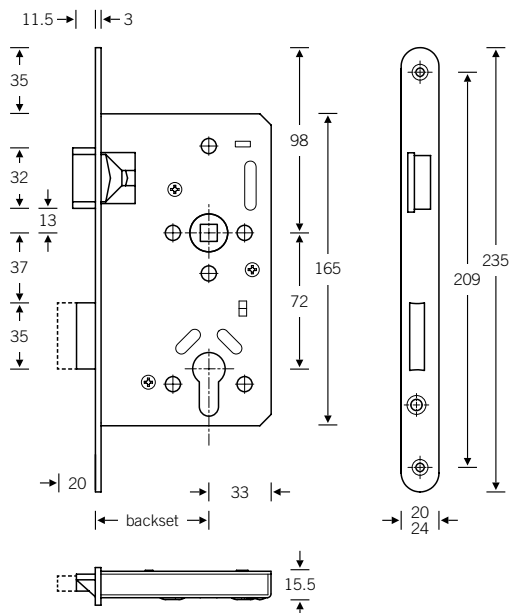
pursuant to DIN 18250 Class 3 and DIN EN 179

Series 20 APE

for fire doors, panic function
Latch lever function E



- forend in galvanised malleable cast iron
- latch bolt in steel with head in nickel-plated malleable cast iron
- dead bolt in nickel-plated steel
- lock case wholly enclosed, galvanised
- cannot be combined with knob, free-running and electronic cylinders
- angle of rotation of follower 32°



Mortice lock fire-retardant		FH
Series 20		20
PC 2-throw with latch retraction, Panic function E		APE
Flat forend	rounded edged	FR FK
Forend width	20 mm 24 mm	20 24
Forend length	235 mm 280 mm*	235 280
Backset	55 mm 65 mm 80 mm	55 65 80
Centres	72 mm PC	72
Follower	9 mm □	09
Handing	right (RH) left (LH)	RS LS
Forend version	Stainless Steel	EST



Tested and quality-controlled
by the North-Rhine Westphalian
Materials Testing Institute in
Dortmund

Classification key

pursuant to EN 12209:
3 S 5 1 0 C 3 B A 2 0

* with 4 fixing holes

Mortice locks for emergency exit devices

pursuant to DIN 18250 Class 3 and DIN EN 179

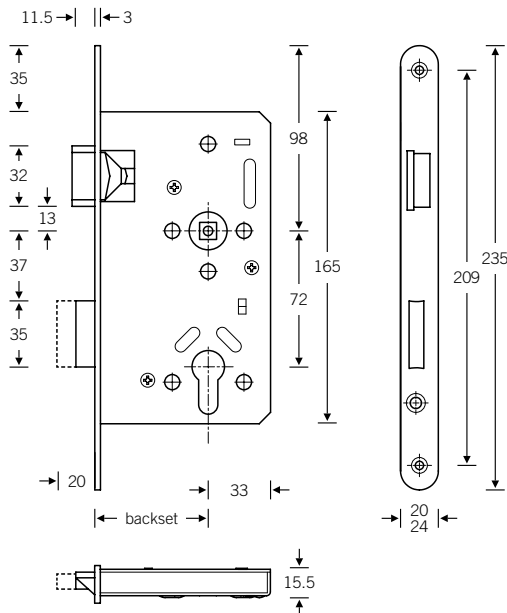
Series 20 APD

for fire doors, Transit function D,
for doors opening outwards



- split forend in high-grade steel investment casting
- latch bolt in steel with head in nickel-plated malleable cast iron
- dead bolt in nickel-plated steel
- lock case wholly enclosed, galvanised
- cannot be combined with knob, free-running and electronic cylinders
- angle of rotation of follower 33°

Mortice lock fire-retardant		FH
Series 20		20
PC 2-throw with no latch retraction, Panic function D		APD
Flat forend	rounded edged	FR FK
Forend width	20 mm 24 mm	20 24
Forend length	235 mm 280 mm*	235 280
Backset	55 mm 65 mm 80 mm	55 65 80
Centres	72 mm PC	72
Follower	9 mm □, split	09
Handing	right (RH) left (LH)	RS LS
Forend version	Stainless Steel	EST



Tested and quality-controlled
by the North-Rhine Westphalian
Materials Testing Institute in
Dortmund

Classification key

pursuant to EN 12209:
3 S 5 1 0 C 3 B A 2 0

* with 4 fixing holes

Mortice locks for emergency exit devices

pursuant to DIN 18250 Class 3 and DIN EN 179

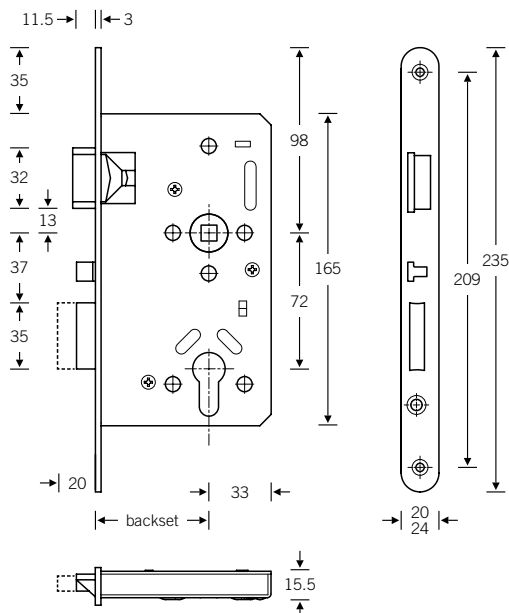
Series 20 APK

for fire doors combining
panic function E + automatic locking,
lock follower 9 mm



- follower in steel
- latch bolt in steel with head in nickel-plated malleable cast iron
- dead bolt in nickel-plated steel
- lock case wholly enclosed, galvanised
- delayed automatic deadlocking
- sound damping during automatic closure
- when the dead bolt is withdrawn, it is withdrawn earlier than the latch bolt
- can be combined with standard, knob or free-running cylinders
- angle of rotation of follower 32°

Mortice lock fire-retardant		FH
Series 20		20
PC 1-throw with latch retraction, Combination panic + automatic locking		APK
Flat forend	rounded edged	FR FK
Forend width	20 mm 24 mm	20 24
Forend length	235 mm 280 mm*	235 280
Backset	55 mm 65 mm 60 mm** 80 mm	55 65 60 80
Centres	72 mm PC	72
Follower	9 mm □	09
Handing	right (RH) left (LH)	RS LS
Forend version	Stainless Steel	EST



Tested and quality-controlled
by the North-Rhine Westphalian
Materials Testing Institute in
Dortmund

Classification key

pursuant to EN 12209:
3 S 5 1 0 C 3 B B 2 0

* with 4 fixing holes

** This variant is not covered by DIN 18250 and must
not be accorded the "Ü" kitemark.

Mortice locks for emergency exit devices

pursuant to DIN 18251-1 Class 3

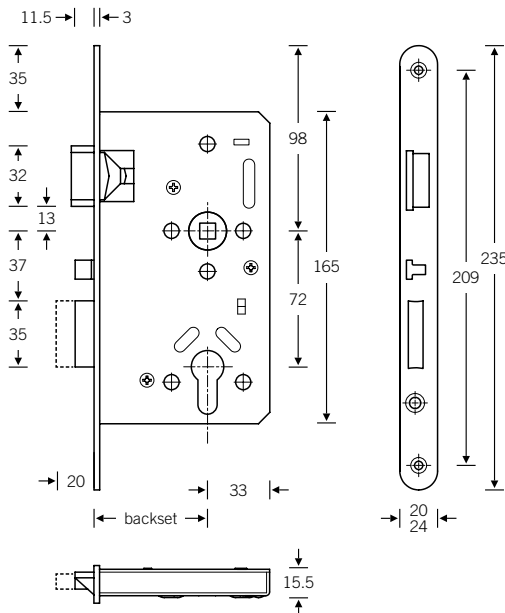
Series 21 APK

combining panic function E
+ automatic locking,
lock follower 8 mm



- follower in steel
- latch bolt in steel with head in nickel-plated malleable cast iron
- dead bolt in nickel-plated steel
- lock case wholly enclosed, galvanised
- delayed automatic deadlocking
- sound damping during automatic closure
- when the dead bolt is withdrawn, it is withdrawn earlier than the latch bolt
- can be combined with standard, knob or free-running cylinders
- angle of rotation of follower 32°

Mortice lock		ES
Series 21		21
PC 1-throw with latch retraction, Combination panic + automatic locking		APK
Flat forend	rounded edged	FR FK
Forend width	20 mm 24 mm	20 24
Forend length	235 mm 280 mm*	235 280
Backset	55 mm 60 mm 65 mm 80 mm	55 60 65 80
Centres	72 mm PC	72
Follower	8 mm □	08
Handing	right (RH) left (LH)	RS LS
Forend version	Stainless Steel	EST



Classification key

* with 4 fixing holes

pursuant to EN 12209:
3 S 5 0 0 C 3 B B 2 0

SSF guarantees that its mortice locks for internal doors fulfil the provisions of DIN 18251-1.

Series 10	52
Series 22	53
Series 22 PZW	54

Class 1: locks for lightweight internal doors

Class 2: locks for internal doors

Class 3: locks for flat-entrance and lightweight heavy-duty doors

Class 4: locks for heavy-duty doors

These lock classifications simultaneously reflect a progressive increase in quality.

The classification key pursuant to the European standard EN 12209 is indicated for the respective lock types on the catalogue pages concerned. For an elucidation of the classification key see p 144.

Internal doors are subject to on-going long-term loading. Locks account for a fairly small proportion of outlay on doors and their frames. SSF recommends going for quality.

Details on backsets, locking types, variants, materials and options correspond to the descriptions of the individual lock series.

Lock cases are wholly enclosed and galvanised for corrosion resistance. To avoid the danger of fracturing in the lock mortice area whilst lock and hardware are being fitted, SSF locks are equipped with a copyrighted lock pocket support. This additionally acts as a chip guard.

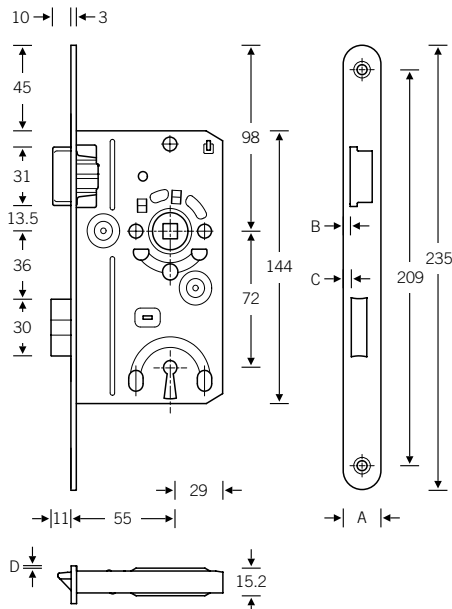
Mortice locks for internal doors

pursuant to DIN 18251-1 Class 1

Series 10

for lightweight internal doors

- follower, latch bolt and dead bolt in polyamide
- lock case wholly enclosed, galvanised
- lock pocket support in lever-handle area



Mortice lock		ES
Series 10		10
WL variant + 1 key, bright galvanised (fastened to forend)		BB
Bathroom variant		WC
Flat forend	rounded edged	FR FK
Forend width	20 mm 18 mm 24 mm	20 18 24
Forend length	235 mm	235
Backset	55 mm	55
Centres	72 mm BB 78 mm WC	72 78
Follower	8 mm □	08
Handing	right (RH) left (LH)	RS LS
Forend version	Lacquered Steel: Silver Coloured Hammer-Glided White Stainless Steel Satin Matt Polished Brass	silb gold weiß EST MSPol

Dim. A	Dim. B	Dim. C	Dim. D
18.0	2.9	3.6	1.0
20.0	3.2	3.9	1.0
24.0	5.8	6.5	3.9

Classification key

pursuant to EN 12209:
1 H 4 0 0 B 1 B D 2 0

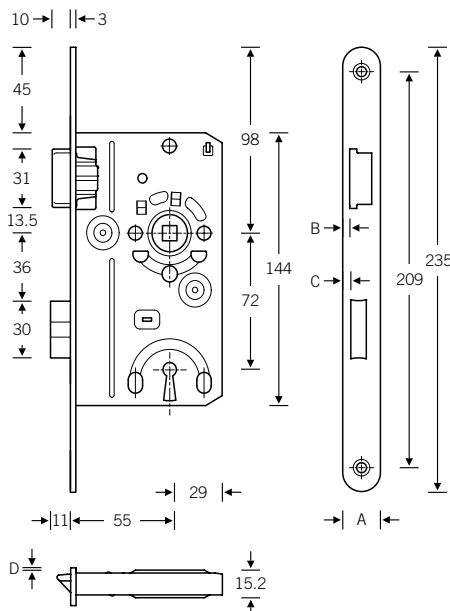
Mortice locks for internal doors

pursuant to DIN 18251-1 Class 2

Series 22

for internal doors

- follower in polyamide
- latch bolt and dead bolt as nickel-plated castings
- lock case wholly enclosed, galvanised
- lock pocket support in lever-handle area



Mortice lock		ES
Series 22		22
WL variant + 1 key, bright galvanised (fastened to forend)		BB
Bathroom variant		WC
Flat forend	rounded edged	FR FK
Forend width	20 mm 18 mm 24 mm	20 18 24
Forend length	235 mm	235
Backset	55 mm	55
Centres	72 mm BB 78 mm WC	72 78
Follower	8 mm □	08
Handing	right (RH) left (LH)	RS LS
Forend version	Lacquered Steel: Silver Coloured Hammer-Glided White Stainless Steel Satin Matt Polished Brass	silb gold weiß EST MSpol
Sound damping for latch bolt		FG

Follower in die-cast zinc

Dim. A	Dim. B	Dim. C	Dim. D
18.0	2.9	3.6	1.0
20.0	3.2	3.9	1.0
24.0	5.8	6.5	3.9

Classification key Series 22 PZW profile cylinder + latch retraction see p 54
pursuant to EN 12209:
2 M 4 0 0 B 1 B D 2 0

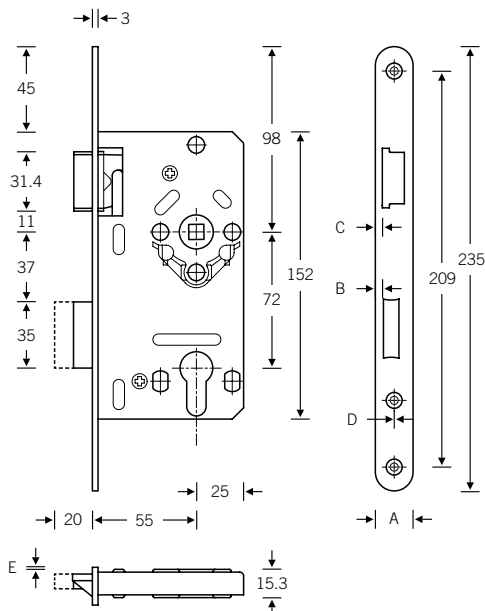
Mortice locks for internal doors

pursuant to DIN 18251-1 Class 2

Series 22 PZW

for internal doors

- steel follower in polyamide bushes
- latch bolt and dead bolt as nickel-plated castings
- lock case wholly enclosed, galvanised
- lock pocket support in lever-handle area



Dim. A Dim. B Dim. C Dim. D Dim. E

18.0	3.5	3.0	8.0	1.0
20.0	4.1	3.6	8.4	1.1
24.0	6.5	6.0	11.0	3.7

Classification key

pursuant to EN 12209:
2 L 4 0 0 B 2 B C 2 0

Mortice lock		ES
Series 22		22
PC 2-throw with latch retraction		PZW
Flat forend	rounded edged	FR FK
Forend width	20 mm 18 mm 24 mm	20 18 24
Forend length	235 mm	235
Backset	55 mm	55
Centres	72 mm PC	72
Follower	8 mm □	08
Handing	right (RH) left (LH)	RS LS
Forend version	Lacquered Steel: Silver Coloured Hammer-Glided White Stainless Steel Satin Matt Polished Brass	silb gold weiß EST MSpol
Sound damping for latch bolt		FG

Series 15 Mortice lock for main entrance doors	56
Series 16 Mortice lock for main entrance doors to the TGL standard*	57
Series 23 Mortice lock for flat entrance doors to the TGL standard*	58
Series 56 Mortice lock for damp-room doors	59
Series 30 Mortice lock for fire doors	60

* TGL standard corresponds to the former GDR standard for Technical Quality and Conditions of Delivery.

Special-purpose locks

pursuant to DIN 18251-1 Class 3

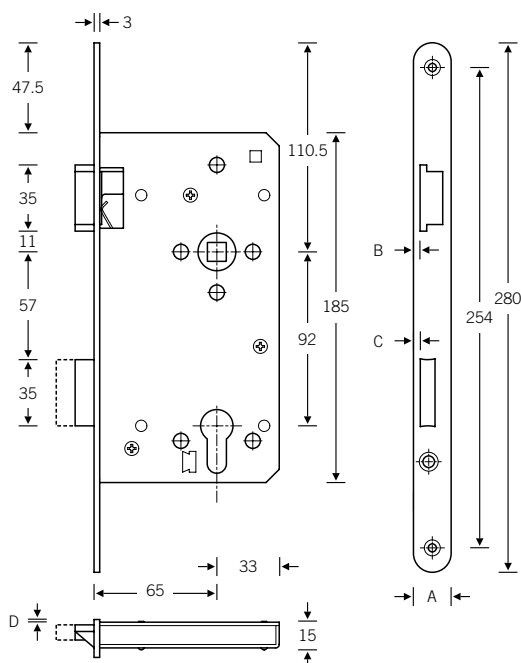
Series 15

Mortice lock for main entrance doors

- follower galvanised casting
- latch bolt in nickel-plated die-cast zinc
- dead bolt in steel with head as nickel-plated casting
- lock case wholly enclosed, galvanised



Main entrance door lock		HT
Series 15		15
PC 2-throw with latch retraction WL insert + 1 key		PZW BB
Flat forend	rounded	FR
Forend width	20 mm 24 mm	20 24
Forend length	280 mm	280
Backset	65 mm	65
Centres	92 mm PC	92
Follower	10 mm □	10
Handing	right (RH) left (LH)	RS LS
Forend version	Silver Coloured Lacquered Steel silb Other forend versions to order	



Dim. A Dim. B Dim. C Dim. D

20.0	3.1	3.6	1.4
24.0	6.0	6.5	4.3

Classification key

pursuant to EN 12209:
3 S 5 0 0 C 3 B C 2 0

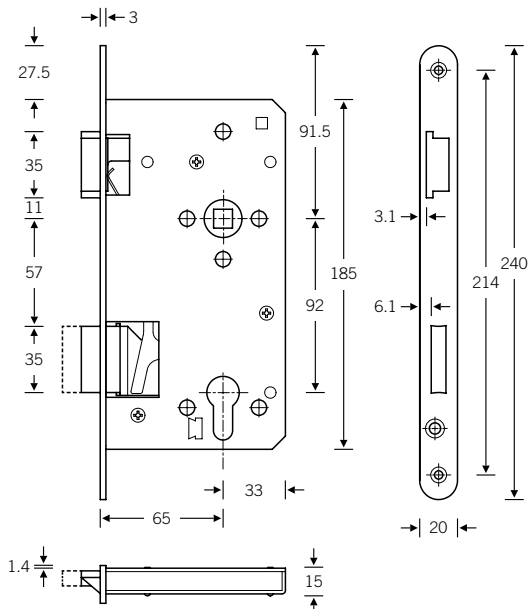
Special-purpose locks

drawing on the TGL standard*

Series 16

Mortice lock for main entrance doors,
with high dead bolt

- follower galvanised casting
- latch bolt in nickel-plated die-cast zinc
- dead bolt in steel with head as nickel-plated casting
- lock case wholly enclosed, galvanised



Main entrance door lock		HT
Series 16		16
PC 2-throw with latch retraction WL insert + 1 key		PZW BB
Flat forend	rounded	FR
Forend width	20 mm	20
Forend length	240 mm	240
Backset	65 mm	65
Centres	92 mm PC	92
Follower	10 mm □	10
Handing	right (RH) left (LH)	RS LS
Forend version	Silver Coloured Lacquered Steel	silb

Classification key

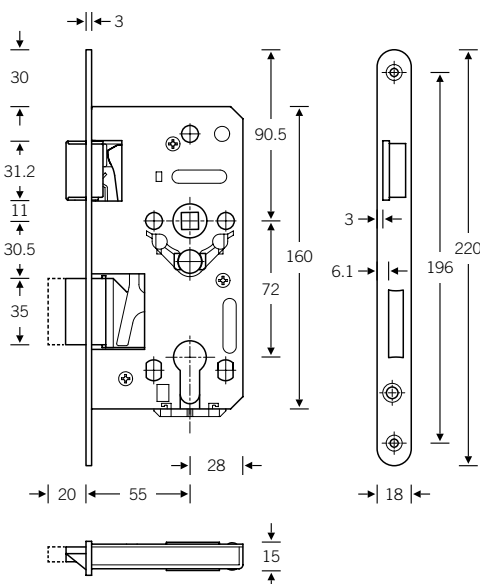
pursuant to EN 12209:
3 S 5 0 0 C 3 B C 2 0

* TGL standard corresponds to the former GDR standard
for Technical Quality and Conditions of Delivery.

Series 23

for flat entrance doors
(discontinued model being technically revised)

- steel follower in polyamide bushes
- latch bolt as nickel-plated casting
- dead bolt in steel with head as nickel-plated casting
- lock case wholly enclosed, galvanised
- lock pocket support in lever-handle area



Mortice lock		ES
Series 23		23
PC 2-throw with latch retraction		PZW
WL insert + 1 key		BB
WL variant + 1 key		BB
Flat forend	rounded	FR
Forend width	18 mm	18
Forend length	220 mm	220
Backset	55 mm	55
Centres	72 mm PC	72
Follower	8 mm □	08
Handing	right (RH) left (LH)	RS LS
Forend version	Silver Coloured Lacquered Steel	silb

Classification key

pursuant to EN 12209:
3 M 5 0 0 C 3 B C 2 0

* TGL standard corresponds to the former GDR standard for Technical Quality and Conditions of Delivery.

Special-purpose locks

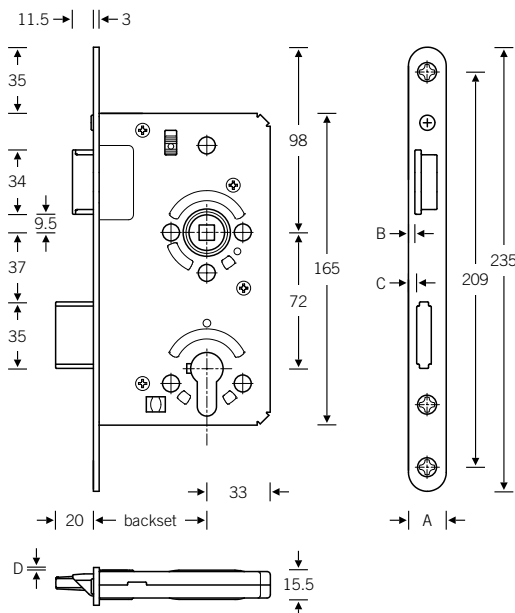
pursuant to DIN 18251-1 Class 3

Series 56

Mortice lock for damp-room doors



- self-tightening follower in steel, nickel-plated
- follower bearing in polyamide
- latch bolt, nickel-plated steel investment casting
- dead bolt in steel, bolt head as nickel-plated casting
- lock case wholly enclosed, in brass
- chip guards
- regreasing device
- fitted parts thick-film passivated
- not suitable for use in swimming baths



Mortice lock for damp-room doors		ES
Series 56		56
PC 2-throw with latch retraction Bathroom variant		PZW WC
Flat forend	rounded edged	FR FK
Forend width	20 mm 24 mm	20 24
Forend length	235 mm	235
Backset	55 mm 60 mm 65 mm 50 mm 70 mm 80 mm 100 mm	55 60 65 50 70 80 100
Centres	72 mm PC 78 mm WC	72 78
Follower	8 mm □ 9 mm □ 10 mm □	08 09 10
Handing	right (RH) left (LH)	RS LS
Forend version	Stainless Steel Satin Matt (AISI 304)	EST
Sound damping for latch bolt		FG

Dim. A Dim. B Dim. C Dim. D

20.0 3.4 4.0 1.4
24.0 6.0 6.6 4.0

Classification key

pursuant to EN 12209:
3 M 5 0 0 G 3 B C 2 0

The special requirements for locks for damp-room door were met by subjecting the lock to 240 h salt spray testing as prescribed for the purposes of DIN EN 1670 Class 4.

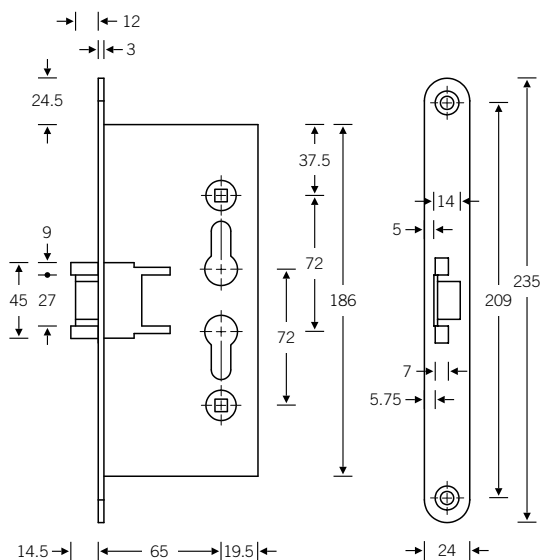
Series 30

FH mortice lock for full leaf steel doors,
for fire doors, with double cylinder

– prepared for PC (1-throw)



Mortice lock fire-retardant		FH
Series 30		30
PC 1-throw with latch retraction		PZW
Panic function D, split follower		APD
Panic function E, one-piece follower		APE
Flat forend	rounded	FR
Forend width	24 mm	24
Forend length	235 mm	235
Backset	65 mm	65
Centres	72 mm PC	72
Follower	9 mm □	09
Handing	latch bolt non-handed	
Forend version	Galvanised Steel	vz



Classification key

pursuant to EN 12209:
3 M 3 1 0 C 2 H A 2 0
pursuant to EN 179:
3 7 6 B 1 4 4 2 A A

Mortice locks for sliding doors

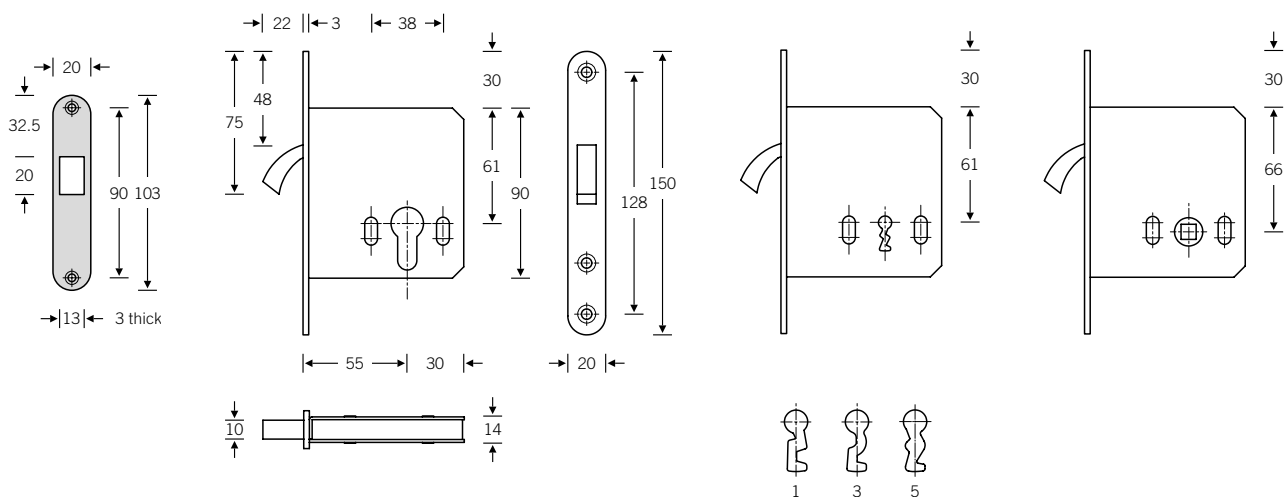
Series 71	62
Series 72	63
Series 72 GK	64
Series 76	65
Series 73	66
Series 74	67

Series 71

with compass bolt



Sliding-door lock		ST
Series 71		71
PC		PZ
warded lock with 1 folding key (warding 1/3/5)		BBS
Bathroom variant		WC
Flat forend	rounded edged	FR FK
Forend width	20 mm	20
Forend length	150 mm	150
Backset	55 mm	55
Forend version	Satin Stainless Steel (compass bolt nickel-plated) Silver Coloured Polished Brass	EST silb MSPol



Striking plate
Prod. Code 4244
Stainless Steel
(striking plate is
an integral part
of the lock)

Classification key

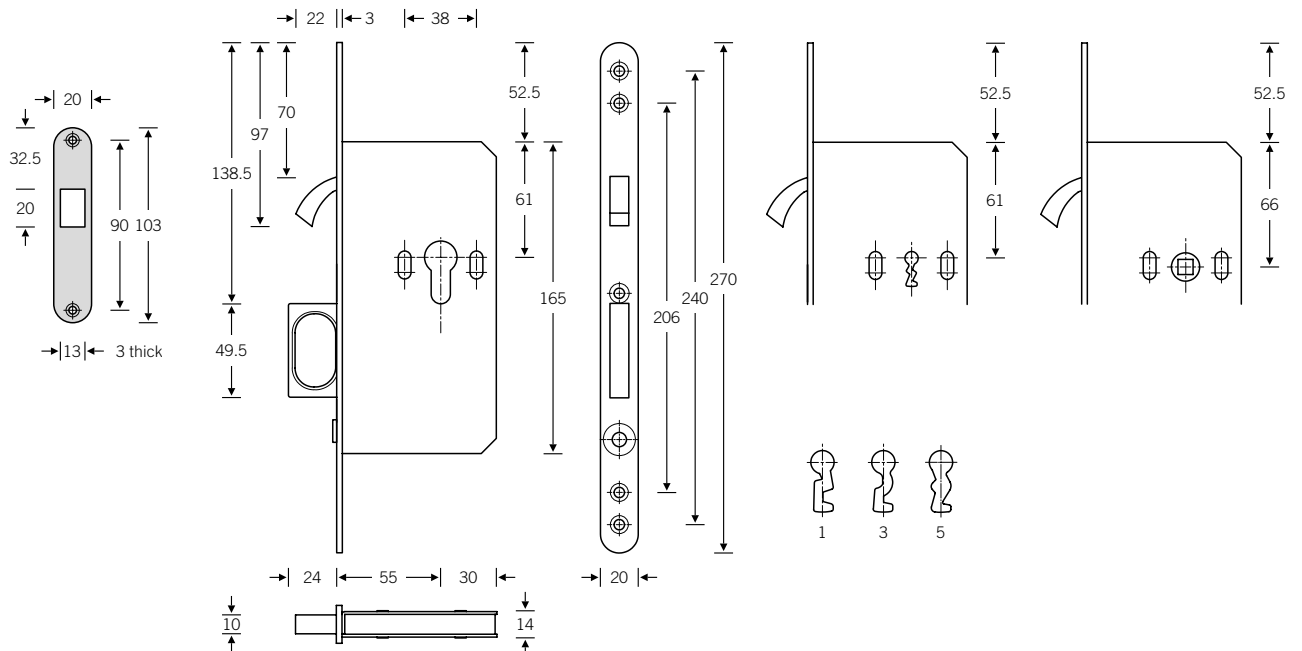
pursuant to EN 12209:
3 C - 0 0 A 3 C A 0 0
3 C - 0 0 A 3 C D 0 0
3 C - 0 0 A 3 C G 0 0

Series 72

with compass bolt
and spring pull



Sliding-door lock		ST
Series 72		72
PC		PZ
warded lock with 1 folding key (warding 1/3/5)		BBS
Bathroom variant		WC
Flat forend	rounded edged	FR FK
Forend width	20 mm	20
Forend length	270 mm	270
Backset	55 mm	55
Forend version	Satin Stainless Steel (spring pull, compass bolt and button nickel-plated) Silver Coloured Polished Brass	EST silb MSPol



Striking plate
Prod. Code 4244
Stainless Steel
(striking plate is
an integral part
of the lock)

Classification key
pursuant to EN 12209:
3 C - 00 A 3 C A 0 0
3 C - 00 A 3 C D 0 0
3 C - 00 A 3 C G 0 0

Counter box for Series 72

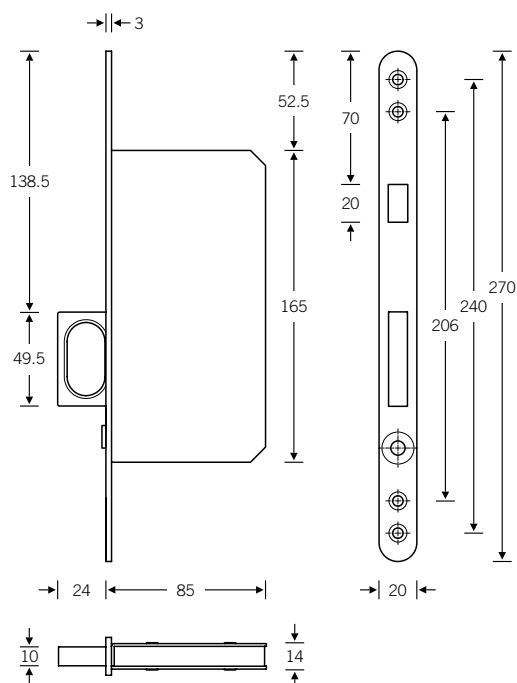
see p 64

Series 72 GK

Counter box for sliding-door lock



Sliding-door lock		ST
Series 72		72
Counter box		GK
Flat forend	rounded edged	FR FK
Forend width	20 mm	20
Forend length	270 mm	270
Forend version	Satin Stainless Steel (spring pull, button nickel-plated) Silver Coloured Polished Brass	EST silb MSpol

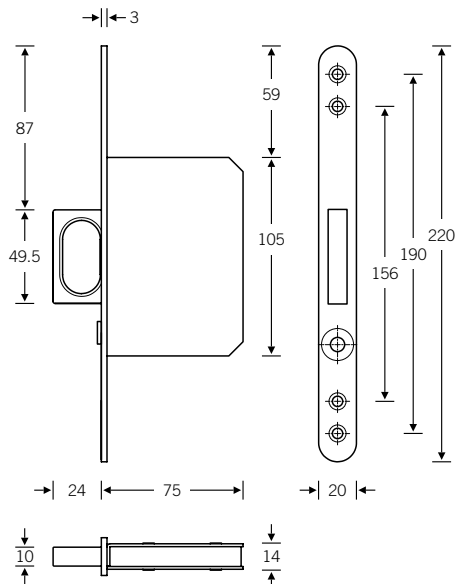


Series 76

Sliding-door spring pull



Sliding-door lock		ST
Series 76		76
Spring pull		SG
Flat forend	rounded edged	FR FK
Forend width	20 mm	20
Forend length	220 mm	220
Forend version	Satin Stainless Steel (spring pull, button nickel-plated) Silver Coloured Polished Brass	EST silb MSpol

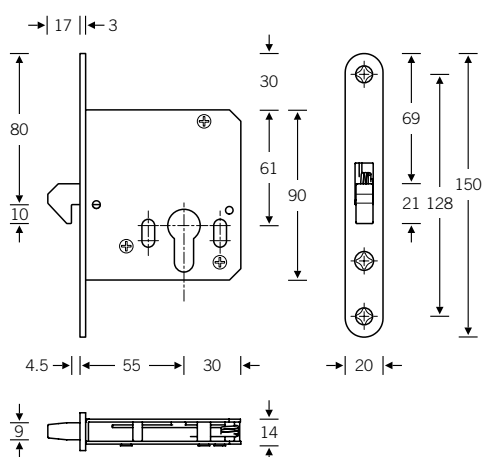


Series 73

with hook latch bolt



Sliding-door lock		ST
Series 73		73
PC		PZ
warded lock with 1 folding key (warding 1/3/5)		BBS
Bathroom variant		WC
Flat forend	rounded	FR
Forend width	20 mm	20
Forend length	150 mm	150
Backset	55 mm	55
Forend version	Satin Stainless Steel (hook bolt nickel-plated) Silver Coloured	EST silb



Striking plate
Prod. Code 4247
Stainless Steel
(striking plate is
an integral part
of the lock)

Classification key

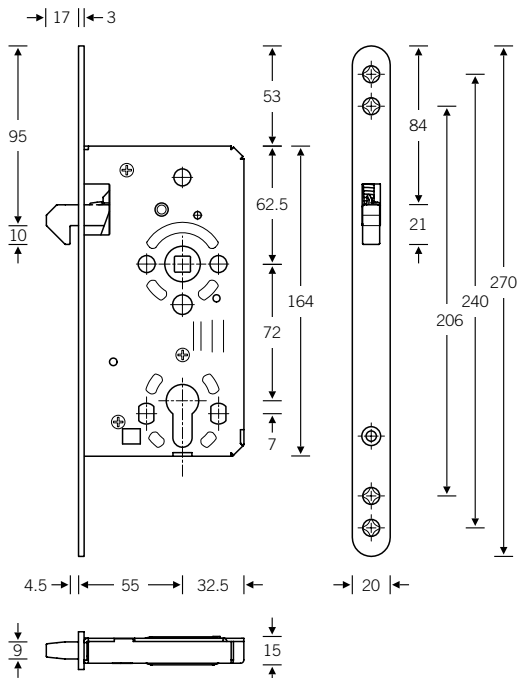
pursuant to EN 12209:
3C-00A3CA00
3C-00A3CD00
3C-00A3CG00

Series 74

with hook latch bolt



Sliding-door lock		ST
Series 74		74
PC with latch retraction Bathroom variant		PZW WC
Flat forend	rounded	FR
Forend width	20 mm	20
Forend length	270 mm	270
Backset	55 mm	55
Centres	72 mm PC 78 mm WC	72 78
Follower	8 mm □	08
Forend version	Satin Stainless Steel (hook bolt nickel-plated)	EST



Striking plate
Prod. Code 4247
Stainless Steel
(striking plate is
an integral part
of the lock)

Classification key
pursuant to EN 12209:
3 C - 0 0 A 3 C A 2 0
3 C - 0 0 A 3 C G 2 0

SSF guarantees that its mortice locks for tubular frame doors fulfil the provisions of DIN 18251-2, Class 3.

SSF tubular frame locks are tested and certified pursuant to European standard EN 12209 by the MPA NRW in Dortmund. Test certificate No. 120002640.Z3 June 2008.

Series 02 locks with the panic functions APE/APB/APD are additionally tested and certified pursuant to the European standard for panic devices EN 1125 and for emergency exit devices EN 179 by PIV Prüfinstitut Schlösser und Beschläge in Velbert. EC Conformance Certificate 1309-CPD-0099 (EN 1125) EC Conformance Certificate 1309-CPD-0098 (EN 179) (Please note: attention needs to be paid to the respective hardware assessed for certification purposes where locks for panic and emergency exit devices are concerned.)

The classification keys for the respective lock types are indicated on the catalogue pages concerned. For an elucidation of the classification key see p 144.

SSF tubular frame locks are equipped with a self-tightening follower and the latch bolt is non-handed. The galvanised lock case, enclosed at the top and bottom, is fitted with swarf-protected screw holes.

A special feature common to all SSF tubular frame locks is an additional fixing perforation for rugged, through-fitting of the leverhandle hardware.

Descriptions and options are set out on the respective catalogue pages.

Please also note the various function possible with our panic-lock systems. For general information see p 40–43.

Series 01	70
Series 02	71
Series 02 U	72
Series 02 APE	73
Series 02 APB	74
Series 02 APD	75
Series 02 with renovation-job forend	76
Series 02 with forend 24 × 270 mm	77
Series 05	78
Series 02 RoF	79
Series 02 FS	80
Series 02 FSk	81
Series 02 RS	82
Series 02 RSk	83
Series 02 SHR	84
Series 06	85
Series 08	86

Mortice locks for tubular frame doors

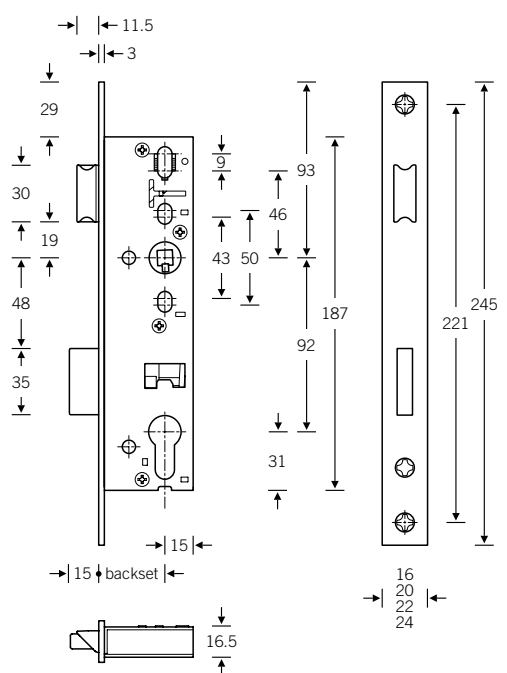
pursuant to DIN 18251-2 Class 3

Series 01

bolt throw 15 mm



- latch and dead bolt nickel-plated
- lock case enclosed at top and bottom
- hardware through-fixing above the lock follower (not for backset 22 mm)
- chip guards
- self-tightening follower



Tubular frame lock		RR
Series 01		01
PC 1-throw with latch retraction		PZW
Flat forend	edged	FK
Forend width	24 mm	24
	16 mm	16
	20 mm	20
	22 mm	22
Forend length	245 mm	245
Backset	30 mm	30
	35 mm	35
	40 mm	40
	45 mm	45
	22 mm	22
	25 mm	25
50 mm	50	
Centres	92 mm PC	92
	94 mm RC 22 mm	94
Follower	8 mm □	08
	10 mm □	10
Handing	Latch bolt reversible RH/LH	
Forend version	Stainless Steel Satin Matt	EST
	Matt Chromium-Plated Steel	mc
U-shape forend 24 × 6 mm incl. end caps (for backset of 29, 34, 39 or 44 mm)		U
Sound damping for latch bolt (min. backset 25 mm)		FG
latch and dead bolts with 5 mm projection (for backset 25, 30, 35, 40, 45 mm)		

Classification key

pursuant to EN 12209:
3 M 5 0 0 C 3 B A 2 0

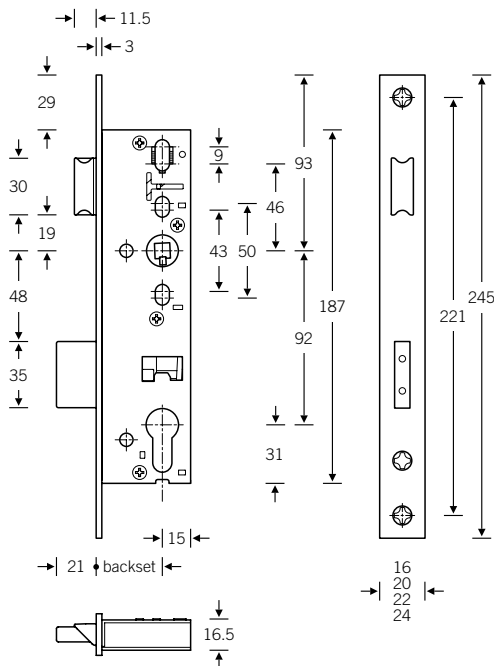
Mortice locks for tubular frame doors pursuant to DIN 18251-2 Class 3

Series 02

bolt throw 21 mm



- latch and dead bolt nickel-plated
- lock case enclosed at top and bottom
- hardware through-fixing above the lock follower (not for a backset of 22 mm)
- chip guards
- self-tightening follower



Tubular frame lock		RR
Series 02		02
PC 1-throw with latch retraction		PZW
Flat forend	edged	FK
Forend width	24 mm	24
	16 mm	16
	20 mm	20
	22 mm	22
Forend length	245 mm	245
Backset	30 mm	30
	35 mm	35
	40 mm	40
	45 mm	45
	22 mm (no latch retraction)	22
	25 mm	25
50 mm	50	
Centres	92 mm PC	92
	94 mm RC 22 mm	94
Follower	8 mm □	08
	9 mm □ FH	09
	10 mm □	10
Handing	Latch bolt reversible RH/LH	
Forend version	Stainless Steel Satin Matt	EST
	Matt Chromium-Plated Steel	mc
U-shape forend 24 × 6 mm incl. end caps (for backset 29, 34, 39, 44 oder 49 mm)		U
Sound damping for latch bolt (min. backset 25 mm)		FG

latch and dead bolts with 5 mm projection
(for backset 30, 35, 40, 45 mm)



Tested and quality-controlled with a 9 mm follower by the North-Rhine Westphalian Materials Testing Institute in Dortmund

Classification key

pursuant to EN 12209:
3 M 5 1 0 C 3 B A 2 0,
with 8/10 mm follower
3 M 5 0 0 C 3 B A 2 0

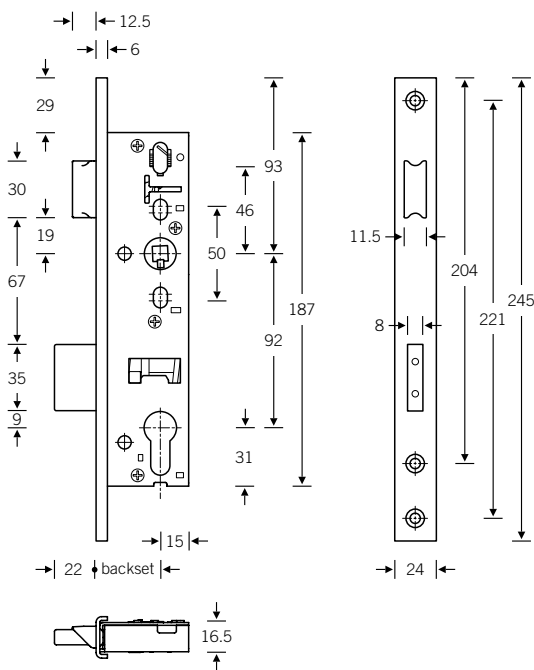
Series 02 U with U-shape forend	see p 72
Series 02 with renovation-job forend	see p 76
Series 02 with forend 24 × 270 mm	see p 77
Series 02 RoF as roller latch lock	see p 79
Series 02 FS as latch lock	see p 80
Series 02 FSk as short latch lock	see p 81
Series 02 RS as deadbolt lock	see p 82
Series 02 RSk as short deadbolt lock	see p 83
Series 02 SHR as pivoting hook bolt lock	see p 84

Series 02 U

bolt throw 22 mm



- latch and dead bolt nickel-plated
- latch bolt with sound damping as standard in FH variant and panic function
- lock case enclosed at top and bottom
- hardware through-fixing above the lock follower
- chip guards
- self-tightening follower



Tubular frame lock		RR
Series 02		02
PC 1-throw with latch retraction		PZW
Panic function B / DIN EN 179		APB
Panic function D / DIN EN 179		APD
Panic function E / DIN EN 179		APE
Size of forend	24 mm × 6 mm	24 × 6
Forend length	245 mm	245
Backset	29 mm 34 mm 39 mm 44 mm 49 mm (PZW only)	29 34 39 44 49
Centres	92 mm PC 94 mm RC 22 mm	92 94
Follower	8 mm □ 9 mm □ FH 10 mm □	08 09 10
Handing for Functions B/D:	DIN LH opening outwards DIN LH opening inwards DIN RH opening outwards DIN RH opening inwards	LA LE RA RE
for Function E/PZW:	Latch bolt reversible RH/LH	
Forend version	Stainless Steel Satin Matt	EST
Sound damping for latch bolt (min. backset 25 mm)		FG

latch and dead bolts with 5 mm projection
(for backset 29, 34, 39, 44 mm)



Tested and quality-controlled with a 9 mm follower by the North-Rhine Westphalian Materials Testing Institute in Dortmund

Classification key

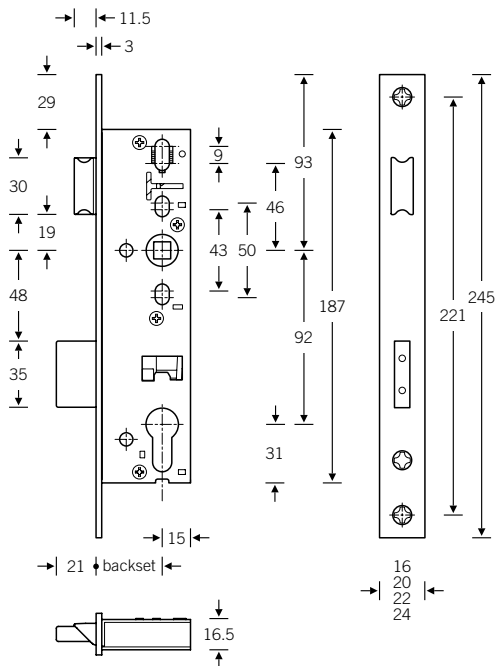
pursuant to EN 12209:
3 M 5 1 0 C 3 B A 2 0,
with 8/10 mm follower
3 M 5 0 0 C 3 B A 2 0

Series 02 APE

for 1-leaf tubular-frame doors,
Latch lever function E, negotiable from outside
due to lifter function, bolt throw 21 mm



- latch and dead bolt nickel-plated
- latch bolt with sound damping
- lock case enclosed at top and bottom
- hardware through-fixing above the lock follower
- chip guards
- self-tightening follower 9 mm
- angle of rotation of follower 26°



Tubular frame lock		RR
Series 02		02
PC 1-throw with latch retraction, Panic function E		APE
Flat forend	edged	FK
Forend width	24 mm	24
	16 mm	16
	20 mm	20
	22 mm	22
Forend length	245 mm	245
Backset	30 mm	30
	35 mm	35
	40 mm	40
	45 mm	45
	50 mm	50
Centres	92 mm PC	92
Follower	9 mm □ FH	09
Handing	Latch bolt reversible RH/LH	
Forend version	Satin Stainless Steel	EST
U-shape forend 24 × 6 mm incl. end (for backset 29, 34, 39 oder 44 mm)		U

latch and dead bolts with 5 mm projection
(for backset 30, 35, 40, 45 mm)



Tested and quality-controlled
by the North-Rhine Westphalian
Materials Testing Institute in
Dortmund

Classification key

pursuant to EN 12209:
3 M 5 1 0 C 3 B A 2 0
pursuant to EN 179:
3 7 6 B 1 4 4 1 A B
pursuant to EN 1125:
3 7 6 B 1 4 2 1 A B

Series 02 APB

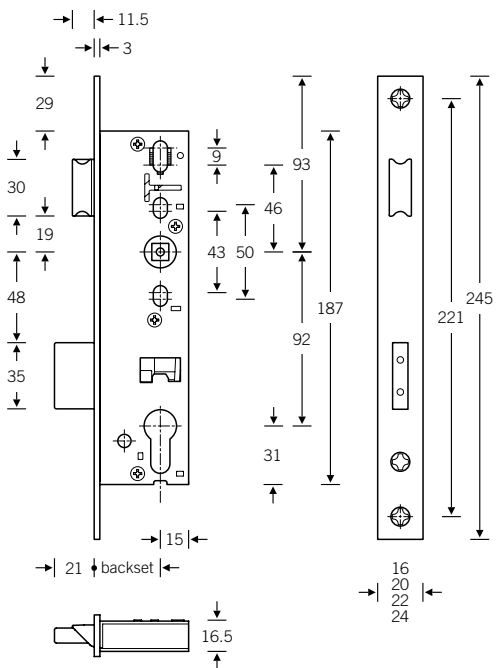
for 1-leaf tubular-frame doors,
changeover function B, either permanently negotiable
or locked from outside, bolt throw 21 mm




- latch and dead bolt nickel-plated
- latch bolt with sound damping
- lock case enclosed at top and bottom
- hardware through-fixing above the lock follower
- chip guards
- self-tightening follower 9 mm, split
- angle of rotation of follower 26°

Tubular frame lock		RR
Series 02		02
PC 1-throw, Panic function B		APB
Flat forend	edged	FK
Forend width	24 mm	24
	16 mm	16
	20 mm	20
	22 mm	22
Forend length	245 mm	245
Backset	30 mm	30
	35 mm	35
	40 mm	40
	45 mm	45
	50 mm	50
Centres	92 mm PC	92
Follower	9 mm □ FH, split	09
Handing	RH opening outwards	RA
	LH opening outwards	LA
	RH opening inwards	RE
	LH opening inwards	LE
Forend version	Satin Stainless Steel	EST
U-shape forend 24 × 6 mm incl. end (for backset 29, 34, 39 oder 44 mm)		U

latch and dead bolts with 5 mm projection
(for backset 30, 35, 40, 45 mm)




 Tested and quality-controlled
by the North-Rhine Westphalian
Materials Testing Institute in
Dortmund

Classification key

pursuant to EN 12209:
3 M 5 1 0 C 3 B A 2 0
pursuant to EN 179:
3 7 6 B 1 4 4 1 A B*
3 7 6 B 1 4 4 1 A D**
pursuant to EN 1125:
3 7 6 B 1 4 2 1 A B

* opening outwards

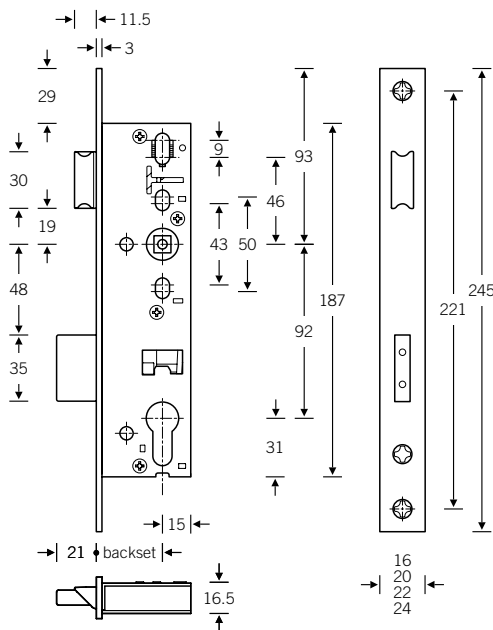
** opening inwards

Series 02 APD

for 1-leaf tubular-frame doors, transit function D, negotiable in both directions until locked again once opened from the inside, bolt throw 21 mm



- latch and dead bolt nickel-plated
- latch bolt with sound damping
- lock case enclosed at top and bottom
- hardware through-fixing above the lock follower
- chip guards
- self-tightening follower 9 mm, split
- angle of rotation of follower 26°



Tubular frame lock		RR
Series 02		02
PC 1-throw, Panic function D		APD
Flat forend	edged	FK
Forend width	24 mm	24
	16 mm	16
	20 mm	20
	22 mm	22
Forend length	245 mm	245
Backset	35 mm	35
	40 mm	40
	45 mm	45
	30 mm	30
	50 mm	50
Centres	92 mm PC	92
Follower	9 mm □ FH, split	09
Handing	RH opening outwards	RA
	LH opening outwards	LA
	RH opening inwards	RE
	LH opening inwards	LE
Forend version	Satin Stainless Steel	EST
U-shape forend 24 × 6 mm incl. end (for backset 34, 39 oder 44 mm)		U

latch and dead bolts with 5 mm projection (for backset 30, 35, 40, 45 mm)



Tested and quality-controlled by the North-Rhine Westphalian Materials Testing Institute in Dortmund

Classification key

pursuant to EN 12209:
3 M 5 1 0 C 3 B A 2 0
pursuant to EN 179:
3 7 6 B 1 4 4 1 A B*
3 7 6 B 1 4 4 1 A D**
pursuant to EN 1125:
3 7 6 B 1 4 2 1 A B

* opening outwards

** opening inwards

Mortice locks for tubular frame doors

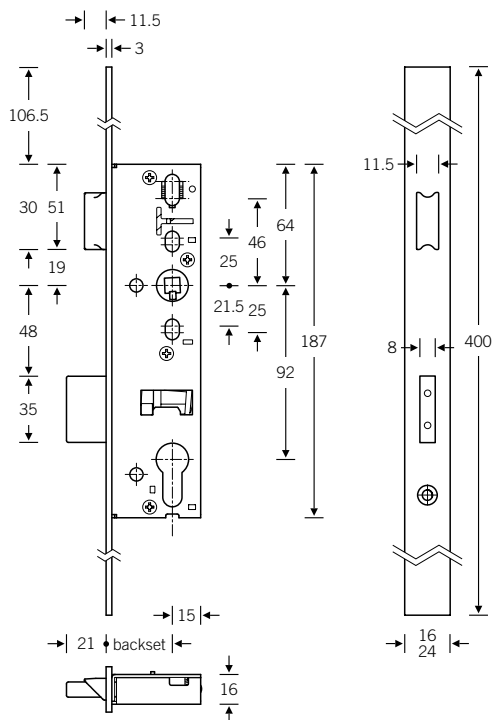
pursuant to DIN 18251-2 Class 3

Series 02

with renovation-job forend, length 400 mm,
bolt throw 21 mm



- latch and dead bolt nickel-plated
- latch bolt with sound damping as standard with FH variant and panic function
- lock case enclosed at top and bottom
- range of hardware through-fixing boreholes in the lock case
- chip guards
- self-tightening follower 8 mm
- self-tightening follower 9 mm with FH variant and panic function
- no fixing holes, can be cut to any length



Tubular frame lock		RR
Series 02		02
PC 1-throw with latch retraction		PZW
Panic function B / DIN EN 179		APB
Panic function D / DIN EN 179		APD
Panic function E / DIN EN 179		APE
Flat forend	edged	FK
Forend width	16 mm 24 mm	16 24
Forend length	400 mm	400
Backset	25 mm (PZW only) 30 mm 35 mm 40 mm 45 mm 50 mm	25 30 35 40 45 50
Centres	92 mm PC	92
Follower	8 mm □ 9 mm □ FH 10 mm □	08 09 10
Handing		
for Functions B/D:	DIN LH opening outwards DIN LH opening inwards DIN RH opening outwards DIN RH opening inwards	LA LE RA RE
for Function E/PZW:	Latch bolt reversible RH/LH	
Forend version	Satin Stainless Steel	EST
U-shape forend 24 × 6 mm incl. end caps (for backset 29, 34, 39 oder 44 mm)		U
Sound damping for latch bolt*		FG

latch and dead bolts with 5 mm projection
(for backset 30–45 mm)



Tested and quality-controlled
by the North-Rhine Westphalian
Materials Testing Institute in
Dortmund

Classification key

pursuant to EN 12209:
3 M 5 1 0 C 3 B A 2 0
pursuant to EN 179:
3 7 6 B 1 4 4 1 A B**
3 7 6 B 1 4 4 1 A D***
pursuant to EN 1125:
3 7 6 B 1 4 2 1 A B****

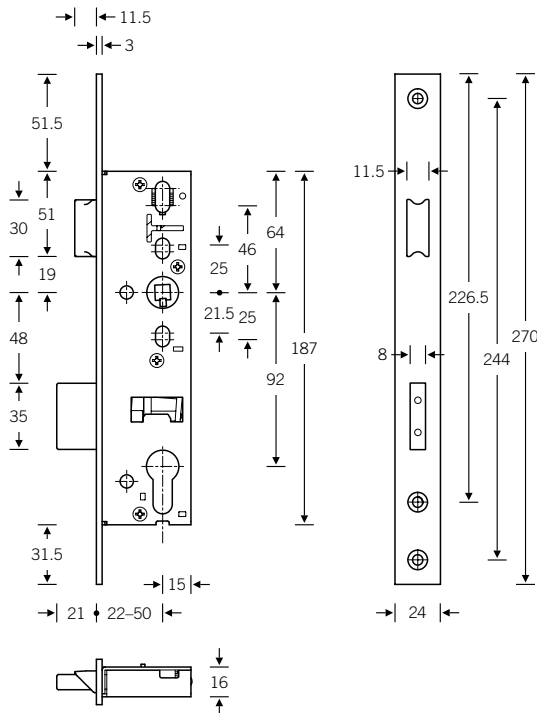
* from backset of 25 mm, for FH variant and
standard panic function

** APE and APB/APD opening outwards
*** APB/APD opening inwards
**** APE and APB/APD opening outwards

Mortice locks for tubular frame doors pursuant to DIN 18251-2 Class 3

Series 02

with forend 24 × 270 mm,
bolt throw 21 mm



- latch and dead bolt nickel-plated
- latch bolt with sound damping as standard in FH variant and panic function
- lock case enclosed at top and bottom
- range of hardware through-fixing boreholes in the lock case
- chip guards
- self-tightening follower 8 mm
- self-tightening follower 9 mm with FH variant and panic function

Tubular frame lock		RR
Series 02		02
PC 1-throw with latch retraction		PZW
Panic function B / DIN EN 179		APB
Panic function D / DIN EN 179		APD
Panic function E / DIN EN 179		APE
Flat forend	edged	FK
Forend width	24 mm	24
Forend length	270 mm	270
Backset	25 mm (PZW only)	25
	30 mm	30
	35 mm	35
	40 mm	40
	45 mm	45
	50 mm	50
Centres	92 mm PC	92
Follower	8 mm □	08
	9 mm □ FH	09
Handing for Functions B/D:	DIN LH opening outwards	LA
	DIN LH opening inwards	LE
	DIN RH opening outwards	RA
	DIN RH opening inwards	RE
for Function E/PZW:	Latch bolt reversible RH/LH	
Forend version	Satin Stainless Steel	EST
U-shape forend 24 × 6 mm incl. end caps (for backset 34 mm)		U

latch and dead bolts with 5 mm projection
(for backset 30, 35, 40, 45 mm)



Tested and quality-controlled
by the North-Rhine Westphalian
Materials Testing Institute in
Dortmund

Classification key

pursuant to EN 12209:
3 M 5 1 0 C 3 B A 2 0
pursuant to EN 179:
3 7 6 B 1 4 4 1 A B*
3 7 6 B 1 4 4 1 A D**
pursuant to EN 1125:
3 7 6 B 1 4 2 1 A B***

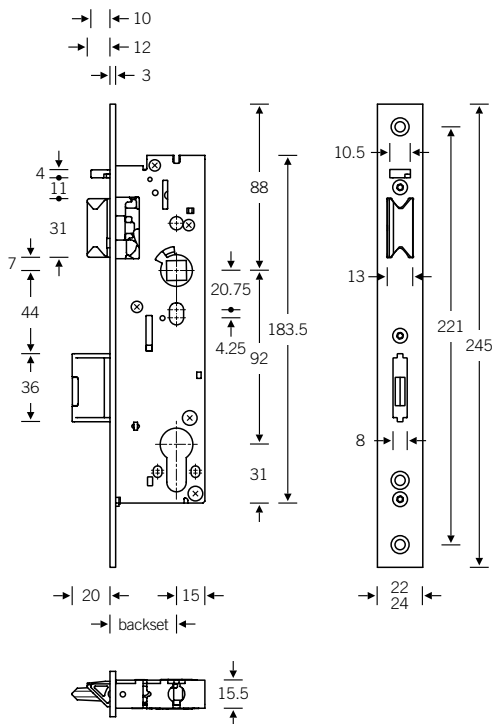
- * APE and APB/APD opening outwards
- ** APB/APD opening inwards
- *** APE and APB/APD opening outwards

Mortice locks for tubular frame doors

pursuant to DIN EN 179 and DIN EN 1125

Series 05

Automatic locking mortice panic lock
for 1-leaf tubular-frame doors,
bolt throw 20 mm



- latch and dead bolt nickel-plated
- lock case enclosed at top and bottom
- follower 9 mm, split under panic function B, inwards and outwards respectively (optional)

Tubular frame lock		RR
Series 05		05
Automatic locking		SVP
Panic function B		APB
Panic function E		APE
Flat forend	edged	FK
Size of forend	24 mm × 245 mm	24 × 245
	24 mm × 270 mm	24 × 270
	22 mm × 245 mm	22 × 245
	24 mm × 380 mm	24 × 380
Backset	30 mm	30
	35 mm	35
	40 mm	40
	45 mm	45
Centres	92 mm PC	92
Follower	9 mm □	09
Handing		
for Function B:	DIN LH opening outwards	LA
	DIN LH opening inwards	LE
	DIN RH opening outwards	RA
	DIN RH opening inwards	RE
for Function E:	Latch bolt reversible RH/LH	
Forend version	Satin Stainless Steel	EST
U-shape forend 22 × 6 mm and 24 × 6 mm incl. end caps (for backset 29, 34, 39 oder 44 mm)		U
latch and dead bolts projecting 3 or 5 mm		
controlled latchbolt snib (FS approval inapplicable)		
deadbolt monitoring inclusive of 10 m cable		
follower monitoring inclusive of 8 m cable		

Approved for emergency exit doors pursuant to
DIN EN 179 and DIN EN 1125
Fire safety tested pursuant to DIN EN 1634-1
and DIN 4102-18
Certified pursuant to EN 12209

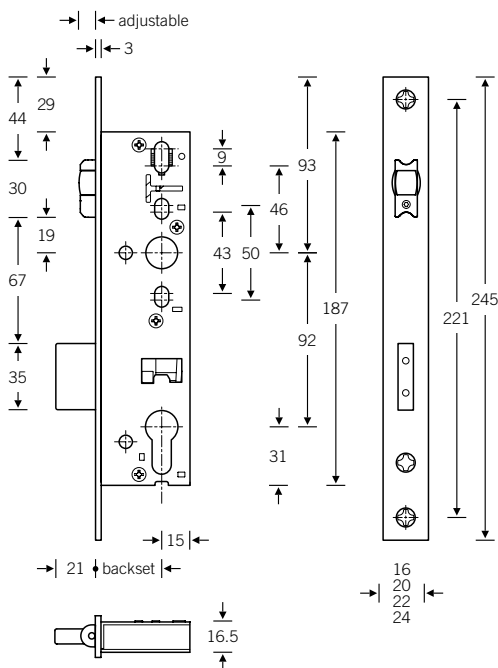
Mortice locks for tubular frame doors pursuant to DIN 18251-2 Class 3

Series 02 RoF

Roller latch lock for swing doors,
bolt throw 21 mm



- latch and dead bolts nickel-plated, roller nickel-plated brass
- lock case enclosed at top and bottom
- hardware through-fixing above the lock follower
- chip guards
- adjustable roller latch bolt 2–9 mm
- no latch retraction
- roller \varnothing 11.5 mm



Tubular frame lock		RR
Series 02		02
Roller latch lock		RoF
Flat forend	edged	FK
Forend width	24 mm	24
	16 mm	16
	20 mm	20
	22 mm	22
Forend length	245 mm	245
Backset	30 mm	30
	35 mm	35
	40 mm	40
	45 mm	45
	25 mm	25
50 mm	50	
Centres	92 mm PC	92
	94 mm RC	94
Forend version	Stainless Steel	EST
U-shape forend 24 × 6 mm incl. end caps (for backset 29, 34, 39 oder 44 mm)		U

Classification key

pursuant to EN 12209:
3 C 5 0 0 C 3 B A 0 0

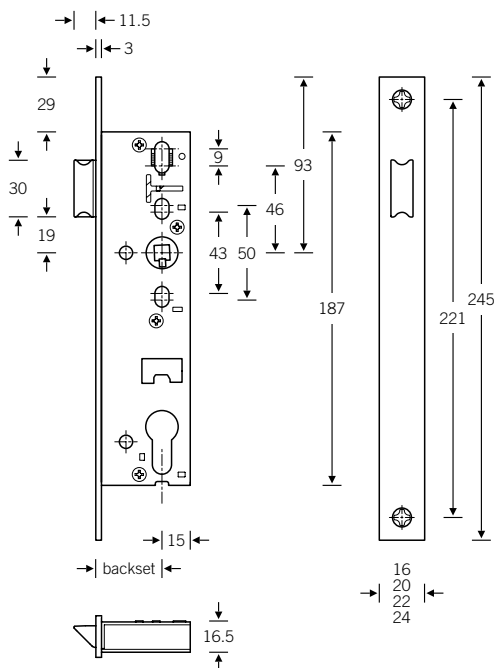
Mortice locks for tubular frame doors

pursuant to DIN 18251-2 Class 3

Series 02 FS

Latch lock

- lock case enclosed at top and bottom
- hardware through-fixing above the lock follower
- chip guards
- self-tightening follower
- no latch retraction



Tubular frame lock		RR
Series 02		02
Latch lock		FS
Flat forend	edged	FK
Forend width	24 mm 16 mm 20 mm 22 mm	24 16 20 22
Forend length	245 mm	245
Backset	30 mm 35 mm 40 mm 45 mm 25 mm 50 mm	30 35 40 45 25 50
Centres	92 mm PC 94 mm RC	92 94
Follower	8 mm □ 9 mm □ FH 10 mm □	08 09 10
Handing	Latch bolt reversible RH/LH	
Forend version	Stainless Steel	EST
U-shape forend 24 × 6 mm incl. end caps (for backset 29, 34, 39 oder 44 mm)		U
latch bolt projecting 5 mm (for backset 25, 30, 35, 40, 45 mm)		
Sound damping for latch bolt*		FG



Tested and quality-controlled
with a 9 mm follower by the North-
Rhine Westphalian Materials
Testing Institute in Dortmund

Classification key

pursuant to EN 12209:
3 M 5 0 0 C - B 0 2 0
3 M 5 1 0 C - B 0 2 0

* as standard in FH variant

Mortice locks for tubular frame doors

pursuant to DIN 18251-2 Class 3

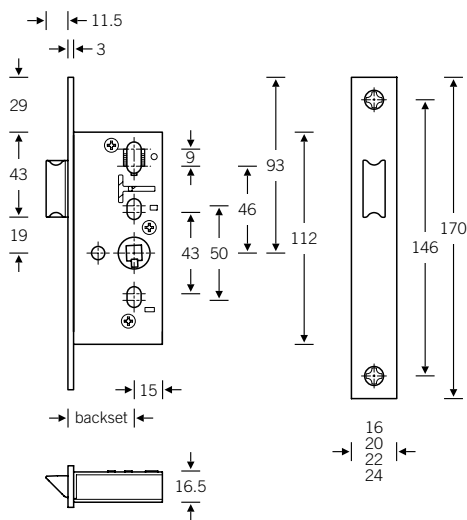
Series 02 FSk

Latch lock, short version

- lock case enclosed at top and bottom
- hardware through-fixing above the lock follower
- chip guards
- self-tightening follower



Tubular frame lock		RR
Series 02		02
Short latch lock		FSk
Flat forend	edged	FK
Forend width	24 mm	24
	16 mm	16
	20 mm	20
	22 mm	22
Forend length	170 mm	170
Backset	30 mm	30
	35 mm	35
	40 mm	40
	45 mm	45
	22 mm	22
	25 mm	25
Follower	8 mm □	08
	10 mm □	10
Forend version	Stainless Steel	EST
U-shape forend 24 × 6 mm incl. end caps (for backset 29, 34, 39 oder 44 mm)		U
latch bolt projecting 5 mm (for backset 25–45 mm)		
Sound damping for latch bolt		FG



Classification key

pursuant to EN 12209:
3 M 5 0 0 C - B 0 2 0

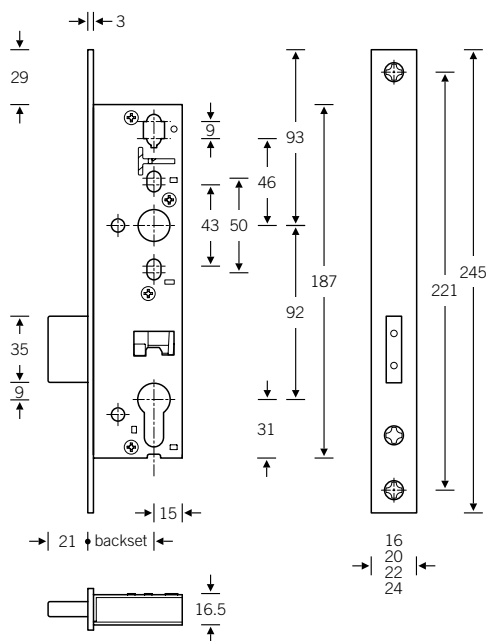
Mortice locks for tubular frame doors

pursuant to DIN 18251-2 Class 3

Series 02 RS

Deadbolt lock,
bolt throw 21 mm

- dead bolt nickel-plated
- lock case enclosed at top and bottom
- hardware through-fixing above the lock follower
- chip guards



Tubular frame lock		RR
Series 02		02
Deadbolt lock		RS
Flat forend	edged	FK
Forend width	24 mm 16 mm 20 mm 22 mm	24 16 20 22
Forend length	245 mm	245
Backset	30 mm 35 mm 40 mm 45 mm 22 mm 25 mm 50 mm	30 35 40 45 22 25 50
Centres	92 mm PC 94 mm RC 22 mm	92 94
Forend version	Stainless Steel	EST
U-shape forend 24 × 6 mm incl. end caps (for backset 29, 34, 39 oder 44 mm)		U

dead bolt projecting 5 mm
(for backset 30–45 mm)

Classification key

pursuant to EN 12209:
3 - 5 0 0 C 3 B A 0 0

Mortice locks for tubular frame doors pursuant to DIN 18251-2 Class 3

Series 02 RSk

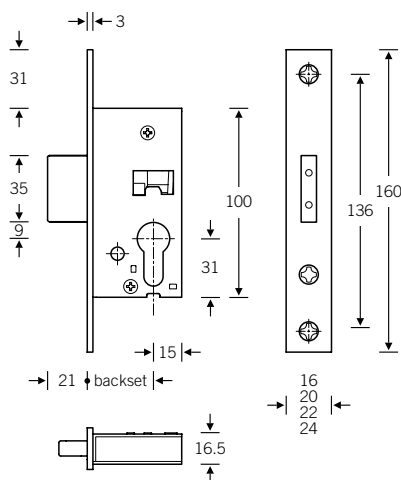
Deadbolt lock, short version,
bolt throw 21 mm



- dead bolt nickel-plated
- lock case enclosed at top and bottom
- chip guards from backset of 35 mm

Tubular frame lock		RR
Series 02		02
Short deadbolt lock		RSk
Flat forend	edged	FK
Forend width	24 mm	24
	16 mm	16
	20 mm	20
	22 mm	22
Forend length	160 mm	160
Backset	30 mm	30
	35 mm	35
	40 mm	40
	45 mm	45
	22 mm	22
	25 mm	25
Forend version	Stainless Steel	EST
	U-shape forend 24 × 6 mm incl. end caps (for backset 29, 34, 39 oder 44 mm)	U

dead bolt projecting 5 mm
(for backset 30–45 mm)



Classification key

pursuant to EN 12209:
3 - 5 0 0 C 3 B A 0 0

Mortice locks for tubular frame doors

pursuant to DIN 18251-2 Class 3

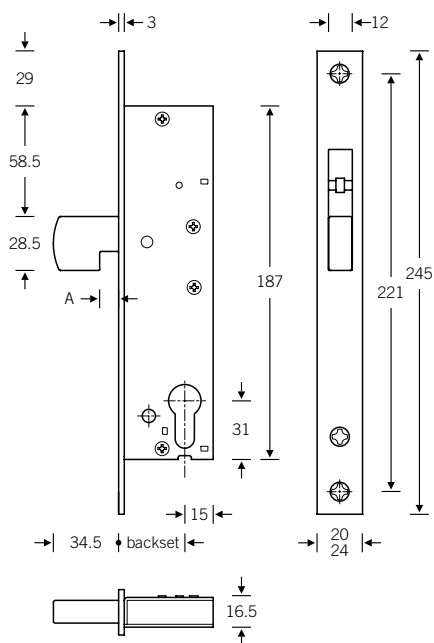
Series 02 SHR

as pivoting hook bolt lock

- dead bolt nickel-plated
- lock case enclosed at top and bottom



Tubular frame lock		RR
Series 02		02
Pivoting hook bolt lock		SHR
Flat forend	edged	FK
Forend width	24 mm 20 mm	24 20
Forend length	245 mm	245
Backset	30 mm 35 mm 40 mm 45 mm	30 35 40 45
Forend version	Satin Stainless Steel	EST



Dim. A: 10/25/0 mm possible
(without cutaway)

Classification key

pursuant to EN 12209:
3 - - 0 0 C 3 C A 0 0

Mortice locks for tubular frame doors pursuant to DIN 18251-2 Class 3

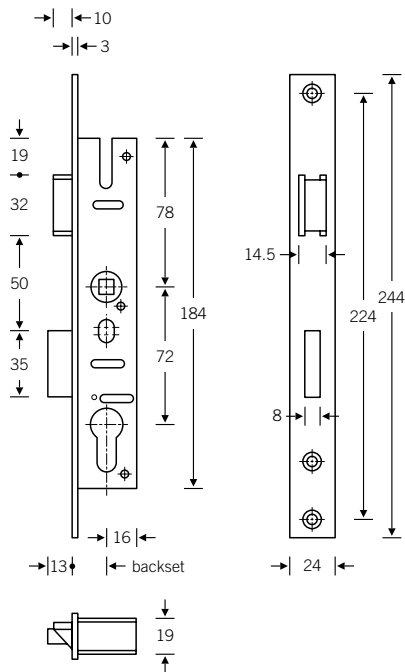
Series 06

bolt throw 13 mm

- follower as a stainless steel casting
- latch and dead bolts in die-cast zinc



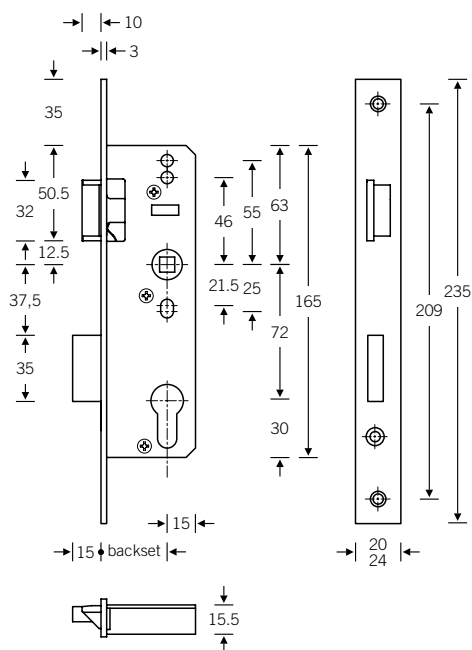
Tubular frame lock		RR
Series 06		06
PC 1-throw with latch retraction		PZW
Flat forend	edged	FK
Forend width	24 mm	24
Forend length	245 mm	245
Backset	30 mm 35 mm 40 mm 45 mm	30 35 40 45
Centres	72 mm PC	72
Follower	8 mm □	08
Handing	Latch bolt reversible RH/LH	
Forend version	Stainless Steel	EST



Series 08

for glass doors,
bolt throw 10 mm

- lock case enclosed at top and bottom
- forend antique silver lacquered



Tubular frame lock		RR
Series 08		08
PC 1-throw with latch retraction		PZW
Flat forend	edged rounded	FK FR
Forend width	20 mm 24 mm (incl. striking plate)	20 24
Forend length	235 mm	235
Backset	35 mm 40 mm 45 mm 30 mm	35 40 45 30
Centres	72 mm PC	72
Follower	8 mm □	08
Handing	left (LH) right (RH)	LS RS
Forend version	Antique Silver Lacquered Lacquered Stainless Steel	silb EST

Series 40 Flush lever-action bolt	88
Series 41 U-shape flush bolt Series	89
Series 42 Tubular flush bolt	90
Series 43 U-shape flush bolt	91
Series 44 U-shape flush bolt	92
Round rod	93

Flush lever-action bolt

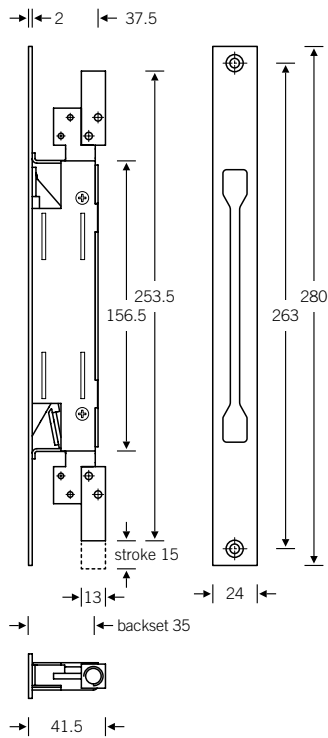
Series 40

for locking of inactive leaf

- two-way action
- with easy-action swing-over lever
- with M10 inside thread
- backset resettable to 20/25/30 mm
- stroke 15 mm



Flush bolt		KT
Series 40		40
Flat forend	rounded edged	FR FK
Forend width	24 mm	24
Forend length	280 mm	280
Backset	35 mm	35
Material/finish	Satin Stainless Steel Bright Galvanised	EST vz



Accessories:
 round rod, single-sided, bright galvanised see p 93
 floor bushing round, polished brass see p 135

Flush bolt

U-shape flush bolt

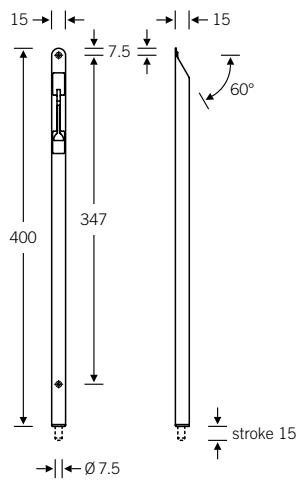
Series 41

for inactive leaves

- bevelled and rounded
- with striking plate
- stroke 15 mm
- width 15 mm
- bolt \varnothing 7.5 mm



U-shape flush bolt		KT
Series 41		41
Length	250 mm	250
	400 mm (mv only)	400
Material/finish	Matt Nickel-Plated Steel	mv
	Brass-Plated Steel	vms



Flush bolt

Tubular flush bolt

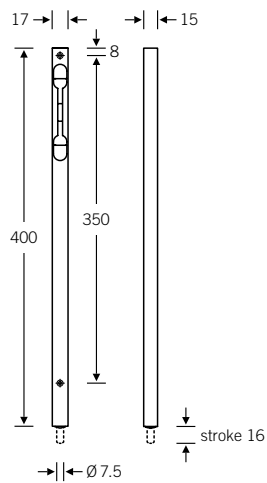
Series 42

for inactive leaves

- with striking plate
- stroke 16 mm
- width 17 mm
- bolt \varnothing 7.5 mm



Tubular flush bolt	KT	
Series 42	42	
Length	200 mm	200
	250 mm	250
	400 mm (MSpol only)	400
Material/finish	Polished Brass	MSpol
	N. P. on Polished Brass	MSpolv



Flush bolt

U-shape flush bolt

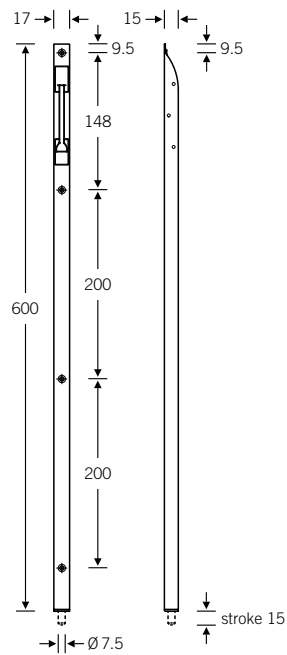
Series 43

for inactive leaves

- bevelled
- with striking plate
- stroke 15 mm
- width 17 mm
- bolt \varnothing 7.5 mm



U-shape flush bolt		KT
Series 43		43
Length	200 mm 250 mm 400 mm 600 mm	200 250 400 600
Material/finish	Satin Stainless Steel	EST



Flush bolt

U-shape flush bolt

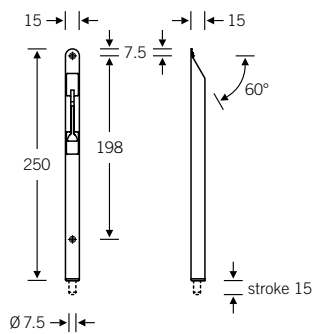
Series 44

for inactive leaves

- bevelled and rounded
- with striking plate
- stroke 15 mm
- width 15 mm
- bolt \varnothing 7.5 mm



U-shape flush bolt		KT
Series 44		44
Length	250 mm 400 mm	250 400
Material/finish	Satin Stainless Steel Polished Stainless Steel	EST ESTpol



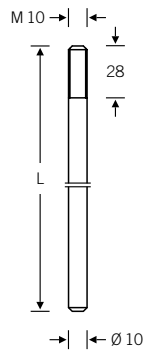
Flush bolt

Round rod

H000180 | H000181
H000182

Round rod top/bottom

- bright galvanised steel
- M10 thread on one side



Diameter		
	10 × 1000 mm	H000180
	10 × 1250 mm	H000181
	10 × 1500 mm	H000182

Overview	96
<hr/>	
Angled striking plates	98
for latch or dead locks	100
U-shape striking plate	101
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for dead locks	104
Angled striking plate, reinforced	105
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Striking plates for full leaf steel doors	107
Lipped striking plates	107
Adjustable Lipped striking plates	109
Lipped striking plate for roller latch-bolt locks	111
Flat striking plates	112
Reinforced striking plate	114
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Striking plates for additional locking mechanisms	115
Flat striking plate	115
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Striking plates for tubular frame locks	116
Renovation-job striking plate	119

Striking plate options

Overview

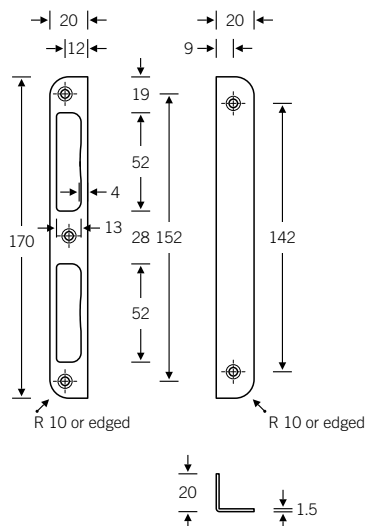
		Striking plate																																
		4003	4008	4010	4011	4075	4076	4077	4078	4081	4082	4113	4143	4151	4152	4153	4189	4196	4197	4198	4199	4201	4211	4224	4225	4501	4502	4509	4510	4511	4514	4518		
Mortice locks for heavy-duty and fire doors	19	•	•	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•					•	•	•	•					
	24	•	•	•	•	•	•	•	•	•	•	•			•	•	•	•	•	•	•						•	•	•	•				
	50	•	•	•	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•	•			•	•	•	•	•			
	52	•	•	•	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•	•	•			•	•	•	•	•		
	53	•	•	•	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•	•				•	•	•	•			
	54	•	•	•	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•	•				•	•	•	•			
	55	•	•	•	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•	•				•	•	•	•			
	50–55 RoF																																	
Mortice locks for emergency exit devices	20	•	•	•	•	•	•					•	•		•	•	•	•			•						•	•	•	•				
	20 APK	•	•	•	•	•	•					•	•		•	•	•	•				•						•	•	•	•			
	21 APK	•	•	•	•	•	•					•	•		•	•	•	•				•						•	•	•	•			
	61																										•	•	•	•				
Mortice locks for internal doors	10	•	•	•	•	•	•								•	•																		
	22	•	•	•	•	•	•								•	•																		
	22 PZ	•	•	•	•	•	•								•	•																		
Special-purpose locks	15											•	•	•									•	•			•	•	•	•				
	16											•	•	•									•	•			•	•	•	•				
	56	•	•	•	•	•	•	•	•	•	•				•	•												•	•	•	•			
Mortice locks for tubular frame doors	01																									•	•						•	
	02																									•	•						•	
	02 AP																																	
	02 RoF																																	
	02 FSk																																	
	02 RSk																																	
	02 SHR																																	•
Latch locks							•	•	•	•																								
Deadbolt locks							•	•	•	•											•													
Additional locking mechanisms																					•													

		Striking plate																													
		4540	4545	4547	4548	4549	4550	4551	4552	4554	4556	4558	4560	4561	4563	4568	4569	4571	4572	4576	4586	4594	4605	4606	4608	H000135	H000136	H000137	H000138	H000141	H000142
Mortice locks for heavy-duty and fire doors	19									•				•											•	•	•	•	•	•	
	24									•					•											•	•	•	•	•	•
	50									•					•					•						•	•	•	•	•	•
	52									•					•					•						•	•	•	•	•	•
	53									•					•					•						•	•	•	•	•	•
	54									•					•					•						•	•	•	•	•	•
	55									•					•					•						•	•	•	•	•	•
	50–55 RoF															•	•														
Mortice locks for emergency exit devices	20									•				•																	
	20 APK									•				•																	
	21 APK									•				•																	
	61																														
Mortice locks for internal doors	10																														
	22																														
	22 PZ																														
Special-purpose locks	15									•				•												•	•	•	•		
	16									•				•												•	•	•	•		
	56									•				•												•	•	•	•	•	
Mortice locks for tubular frame doors	01		•	•	•	•	•	•	•																•						
	02		•	•	•	•	•	•	•																•						
	02 AP	•								•													•	•							
	02 RoF												•	•							•										
	02 FSk						•	•																		•					
	02 RSk						•	•																		•					
	02 SHR																														
Latch locks				•	•	•	•				•									•	•	•			•					•	•
Deadbolt locks						•	•	•	•		•									•					•						
Additional locking mechanisms										•								•	•			•								•	•

Series 4152 | 4153

for all mortice locks for internal and flat entrance doors

- suitable for lock series 10, 22/22 PZ, 20/21, 19/24, 50/52, 53/54/55, 56
- steel 1.5 mm



Series 4152	rounded off (radius 10 mm)	4152
Series 4153	edged	4153

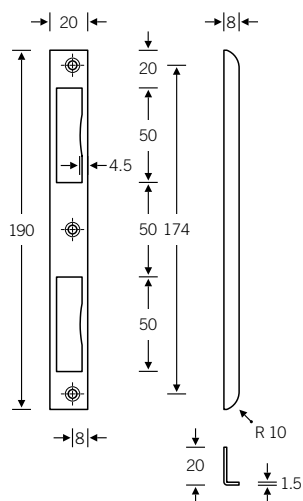
Handing non-handed

Material/finish	Lacquered Steel:	
	Silver Metallic	silb
	White	weiß
	Hammer-Grinded	gold
	Polished Brass	MSpol
	(further materials/finishes to order)	

Series 4151

for all mortice locks for main entrance doors

- suitable for lock series 15/16
- steel 1.5 mm



Series 4151	4151
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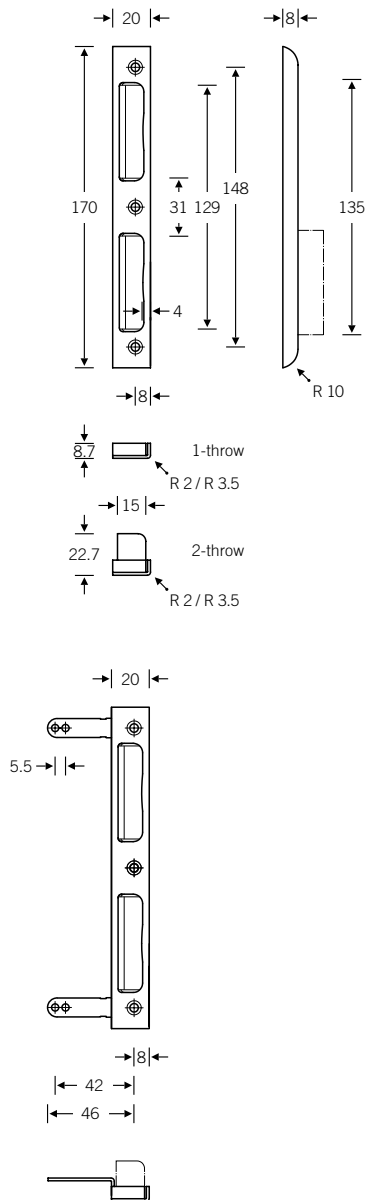
Handing non-handed

Material/finish	Silver Metallic Lacquered Steel	silb
-----------------	---------------------------------	------

Series 4075 | 4076

with plastic inlays,
1-throw/2-throw

- suitable for lock series 10, 22/22 PZ, 20/21, 19/24, 50/52, 53/54/55, 56
- steel 1.5 mm
- with 2 angle brackets, assembled



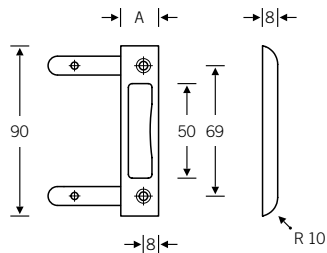
Series 4075	rounded (radius 2 mm)	4075
Series 4076	rounded (radius 3.5 mm)	4076
Plastic inlay	1-throw 2-throw (loose)	U1 U2
Handing	non-handed	
Material/finish	Lacquered Steel: Silver Metallic White Satin Stainless Steel Polished Brass (further materials/ finishes to order)	silb weiß EST MSpol

Angled striking plates for latch or dead locks

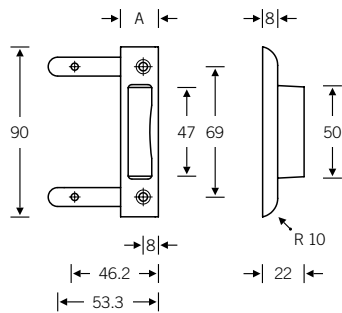
Series 4077 | 4078 Series 4081 | 4082

with plastic inlays,
1-throw/2-throw

- suitable for lock series 19/24, 50/52, 53/54/55, 56
- steel 1.5 mm
- with 2 angle brackets, supplied loose or assembled



Series 4077



Series 4081

Series 4077	width 20 mm, inlay 1-throw	4077
Series 4078	width 28 mm, inlay 1-throw	4078
Series 4081	width 20 mm, inlay 2-throw	4081
Series 4082	width 28 mm, inlay 2-throw	4082

Plastic inlay	1-throw	U1
	2-throw	U2

Handing	non-handed
---------	------------

Material/finish	Lacquered Steel:	
	Silver Metallic	silb
	White	weiß
	Satin Stainless Steel	EST
	(further materials/ finishes to order)	

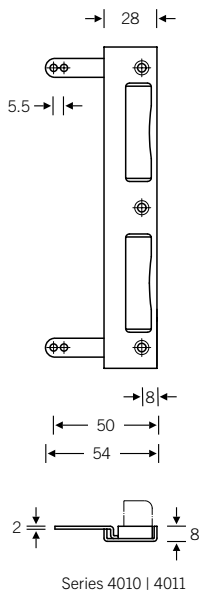
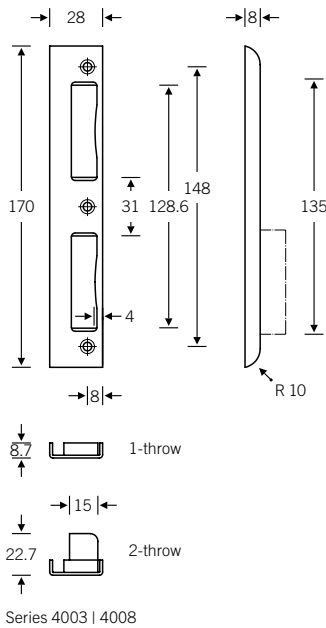
Angled striking plates

U-shape striking plate

Series 4003 | 4008
Series 4010 | 4011

with plastic inlays, grey,
1-throw/2-throw

- suitable for lock series 10, 22/22 PZ, 20/21, 19/24, 50/52, 53/54/55, 56
- steel 1.5 mm
- with or without angle brackets



Series 4003	no angle brackets, inlay 1-throw	4003
Series 4008	no angle brackets, inlay 2-throw	4008
Series 4010	2 angle brackets fitted, inlay 1-throw	4010
Series 4011	2 angle brackets fitted, inlay 2-throw	4011
Plastic inlay	1-throw 2-throw (loose)	U1 U2
Handing	non-handed	
Material/finish	Lacquered Steel: Silver Metallic White Hammer-Glided Satin Stainless Steel Polished Brass (further materials/ finishes to order)	silb weiß gold EST MSpol

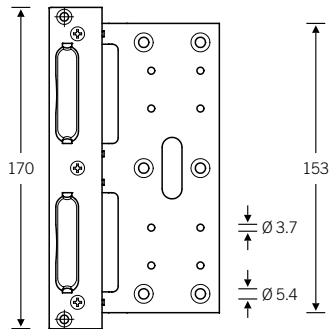
Angled striking plates

pursuant to DIN EN 1627 WK2

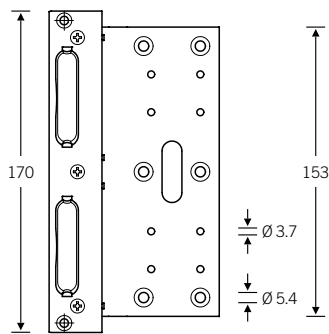
Series 4197 | 4199

for all mortice locks,
for burglary-resistant doors

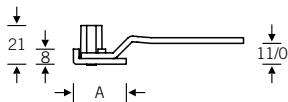
- suitable for lock series 20/21, 19/24, 50/52, 53/54/55
- steel 3 mm
- with anchor plate 4 mm thick, supplied loose or assembled
- with plastic insert, grey (1 × 1-throw, 1 × 2-throw, supplied loose)
- with chamfer 1 × 45° and pocket borehole



Series 4197



Series 4199



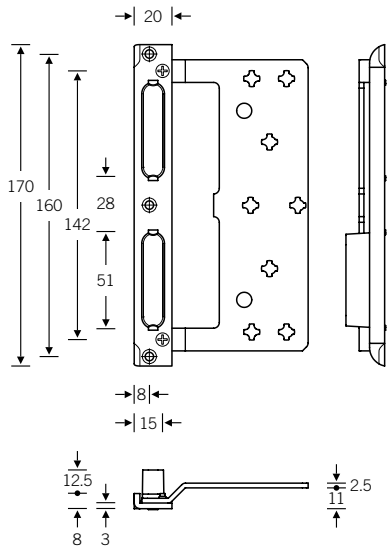
Series 4197		4197
Series 4199		4199
Strike-plate width	20 mm 28 mm	A H
Crank	11 mm 0 mm (with anchor plate 3 mm)	11 0
Plastic insert	1-throw (latch) 2-throw (bolt)	E1 E2
Handing	non-handed	
Material/finish	Silver Metallic Lacquered Steel Satin Stainless Steel (further finishes to order)	silb EST
no anchor plate		SBL

Angled striking plates

pursuant to DIN EN 1627 WK2

Series 4196

for all mortice locks,
for burglary-resistant doors

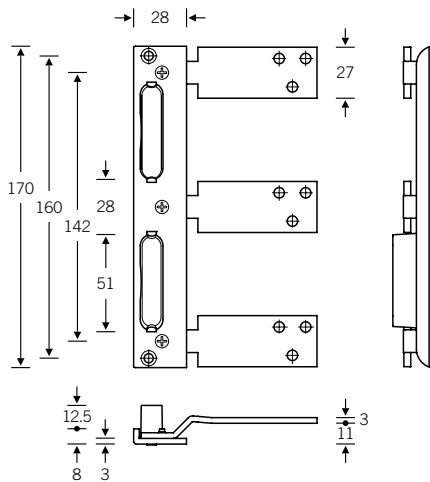


- suitable for lock series 20/21, 19/24, 50/52, 53/54/55
- steel 3 mm
- with anchor plate 2.5 mm thick, supplied loose or assembled
- with plastic insert, grey (1 × 1-throw, 1 × 2-throw, supplied loose)

Series 4196		4196
Strike-plate width	20 mm	A
Crank	11 mm 12.5 mm	11 12,5
Run-on radius		R3
Plastic insert	1-throw (latch) 2-throw (bolt)	E1 E2
Handing	non-handed	
Material/finish	Silver Metallic Lacquered Steel Satin Stainless Steel (further finishes to order)	silb EST

Series 4189

for all mortice locks for
burglary-resistant doors



- suitable for lock series 20/21, 19/24, 50/52, 53/54/55
- steel 3 mm
- with 3 angle brackets, 3 mm thick, supplied loose or assembled
- with plastic insert, grey (1 × 1-throw, 1 × 2-throw, supplied loose)

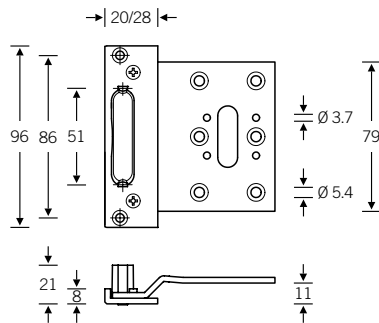
Series 4189		4189
Strike-plate width	20 mm 28 mm	A H
Crank	11 mm	11
Fase	1 × 45°	
Plastic insert	1-throw (latch) 2-throw (bolt)	E1 E2
Handing	non-handed	
Material/finish	Silver Metallic Lacquered Steel Satin Stainless Steel (further finishes to order)	silb EST

Angled striking plates for dead locks

Series 4198

for enhanced security
requirements

- suitable for lock series 19/24, 50/52, 53/54/55
- steel 3 mm
- with anchor plate 4 mm thick, supplied loose or assembled
- with plastic inserts, grey, supplied loose
- with chamfer $1 \times 45^\circ$



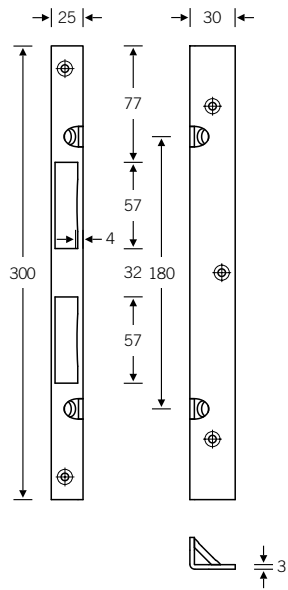
Series 4198	4198	
Strike-plate width	20 mm	A
	28 mm	H
Crank	11 mm	11
Plastic insert	1-throw (latch)	E1
	2-throw (bolt)	E2
Material/finish	Silver Metallic Lacquered Steel Satin Stainless Steel (further finishes to order)	silb EST

Angled striking plates reinforced

Series 4143

for enhanced resistance to burglary
through anchorage with metal-frame plugs
(not supplied)

- suitable for lock series 15/16, 20/21, 19/24, 50/52, 53/54/55
- steel 3 mm
- length 300 mm



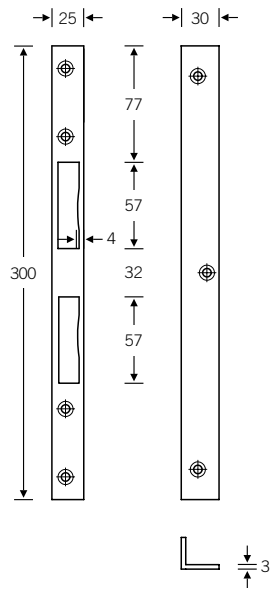
Series 4143	side dimensions 25 × 30 mm	4143
Handing	non-handed	
Material/finish	Lacquered Steel: Silver Metallic Hammer-Glided (further finishes to order)	silb gold

Angled striking plates reinforced

Series 4113

for enhanced resistance to burglary
through anchorage with metal-frame plugs
(not supplied)

- suitable for lock series 15/16, 20/21, 19/24, 50/52, 53/54/55
- steel 3 mm
- with staggered fixing holes
- length 300 mm



Series 4113	Side dimensions 25 × 30 mm	4113
Handing	non-handed	
Material/finish	Lacquered Steel: Silver Metallic Hammer-Glided (further finishes to order)	silb gold

Striking plates for full leaf steel doors

Lipped striking plate

Series 4501 | 4502

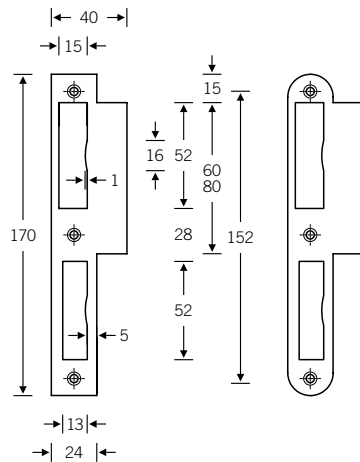
Series 4509 | 4510

for full leaf steel internal and flat-entrance doors

– suitable for lock series 15/16, 20/21, 19/24, 50/52, 53/54/55, 56

– steel 2 mm

– lip on one side with angled edge



version shown LH

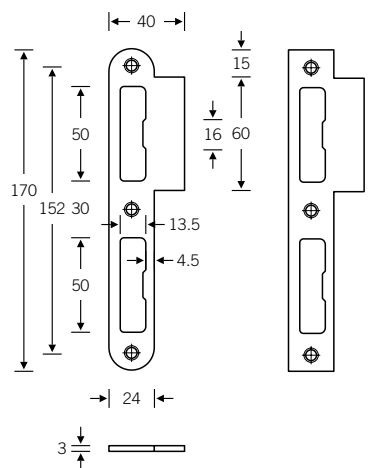
Series 4501	Lip 60 mm, edged	4501
Series 4502	Lip 60 mm, rounded	4502
Series 4509	Lip 80 mm, edged	4509
Series 4510	Lip 80 mm, rounded	4510
Handing	right (RH) left (LH)	RS LS
Material/finish	Lacquered Steel: Silver Metallic Hammer-Glided Satin Stainless Steel Polished Brass (further materials/ finishes to order)	silb gold EST MSPol

Lipped striking plate

Series 4556 | 4563

for full leaf steel internal and flat-entrance doors

- suitable for lock series 15/16, 20/21, 19/24, 50/52, 53/54/55, 56
- Stainless Steel AISI 304, 3 mm
- ground and countersunk on both sides
- lip on one side with both-side chamfer



Series 4556

Series 4563

Series 4556	rounded	4556
Series 4563	edged	4563
Material/finish	Stainless Steel AISI 304 Polished Brass (further materials/ finishes to order)	EST MSPol
no deadbolt perforation		ORD
no latchbolt perforation		OFD

Striking plates for full leaf steel doors

Adjustable lipped striking plate

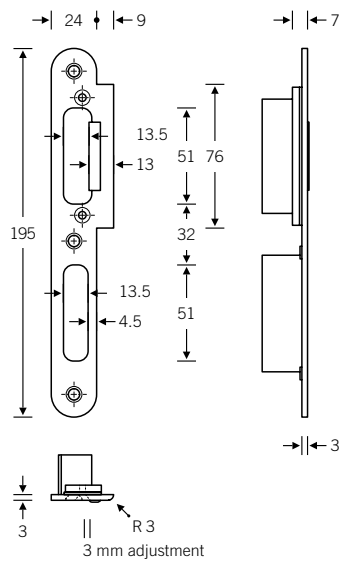
H000135 | H000136
H000137 | H000138

for two bolt locks

- suitable for lock series 15/16, 19/24, 50/52, 53/54, 56
- 2-hole striking plate
- 3 mm adjustment



LH, Satin Stainless Steel	H000135
RH, Satin Stainless Steel	H000136
LH, Polished Stainless Steel	H000137
RH, Polished Stainless Steel	H000138



Accessories:

- H000139 plastic packing latch
- H000140 plastic packing bolt
- colour: grey

Striking plates for full leaf steel doors

Adjustable lipped striking plate

H000141 | H000142

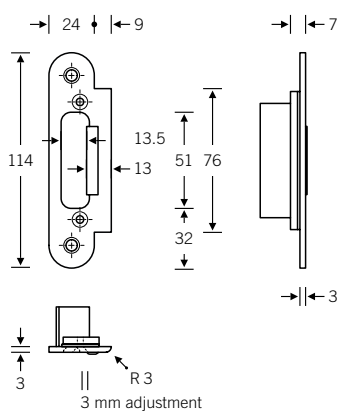
for latch locks

- suitable for lock series 19/24, 50/52, 53/54/55
- single-recess striking plate
- 3 mm adjustment



Satin Stainless Steel
Polished Stainless Steel

H000141
H000142



Accessories:

H000139 plastic packing latch
colour: grey

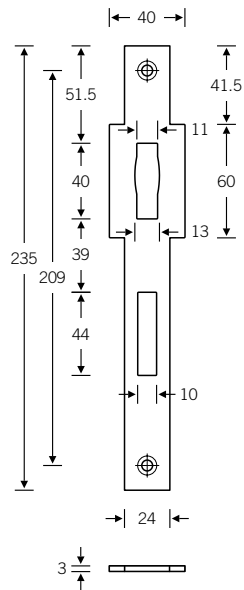
Striking plates for full leaf steel doors

Lipped striking plates for roller latch locks

Series 4568 | 4569

for roller latch-bolt locks
with roller \varnothing 13.8 mm

- suitable for lock series 50/52 RoF, 53/54/55 RoF
- stainless steel 3 mm

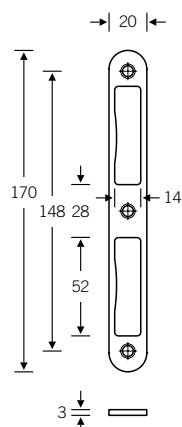


Series 4568	edged	4568
Series 4569	rounded	4569
Material/finish	Satin Stainless Steel (further materials/ finishes to order)	EST

Series 4511

for full leaf steel internal and
flat-entrance doors

- suitable for lock series 50/52
- satin stainless steel 3 mm
- non-lipped

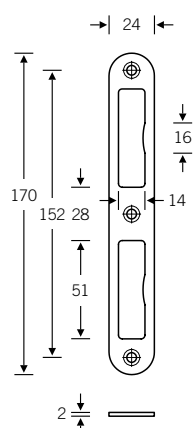


Series 4511	4511	
Handing	non-handed	
Material/finish	Satin Stainless Steel Silver Metallic Lacquered Steel (further materials/ finishes to order)	EST silb

Series 4576

for full leaf steel internal and
flat-entrance doors

- suitable for lock series 50/52
- satin stainless steel 2 mm
- non-lipped



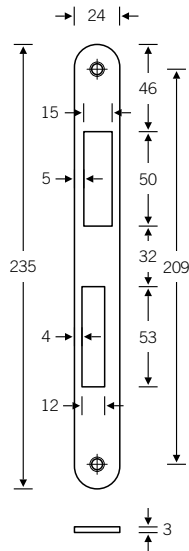
Series 4576	4576	
Material/finish	Satin Stainless Steel (further materials/ finishes to order)	EST
no deadbolt perforation on left (can be used for latch lock on left or deadbolt lock on right)		ORD LS
no deadbolt perforation on right (can be used for latch lock on right or deadbolt lock on left)		ORD RS

Striking plates for full leaf steel doors flat

Series 4258

for fire doors

– stainless steel 3 mm, matt brushed

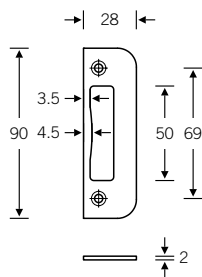


Series 4258	4258	
Handing	non-handed	
Material/finish	Matt Brushed Stainless Steel Nickel-Plated Steel (further materials/ finishes to order)	EST vz

Series 4558

for latch bolt and dead-bolt locks,
for additional locking mechanisms

– satin stainless steel 2 mm



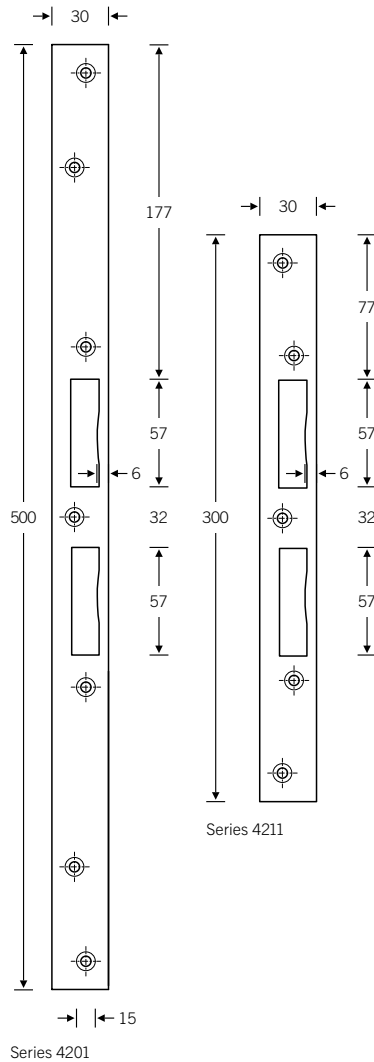
Series 4558	4558	
Handing	non-handed	
Material/finish	Satin Stainless Steel (further materials/ finishes to order)	EST

Striking plates for full leaf steel doors reinforced

Series 4201 | 4211

for enhanced resistance
to burglary

- suitable for lock series 50/52
- steel 3 mm



Series 4201	Length 500 mm	4201
Series 4211	Length 300 mm	4211

Handing	non-handed
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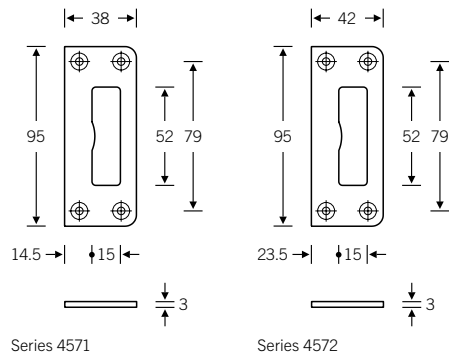
Material/finish	Silver Metallic Lacquered Steel	silb
	Galvanised Steel	vz
	(further materials/ finishes to order)	

Striking plates for additional locking mechanisms flat

Series 4571 | 4572

for additional locking mechanisms

- satin stainless steel 3 mm
- edge angled all round

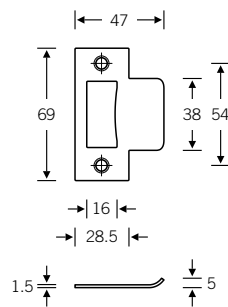


Series 4571	width 38 mm	4571
Series 4572	width 42 mm	4572
Handing	non-handed	
Material/finish	Satin Stainless Steel (further materials/ finishes to order)	EST

Series 4594

for latch locks,
for additional locking mechanisms

- satin stainless steel 1.5 mm

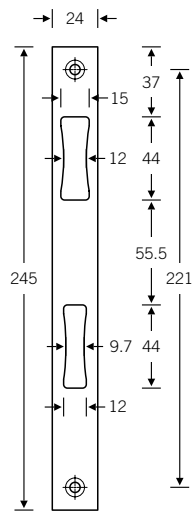


Series 4594		4594
Handing	non-handed	
Material/finish	Satin Stainless Steel Polished Brass (further materials/ finishes to order)	EST MSPol

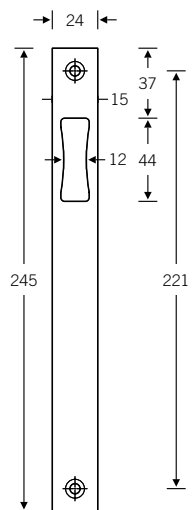
Series 4514 | 4545
 Series 4547 | 4548
 Series 4551 | 4552

for tubular frame locks
 with no panic function

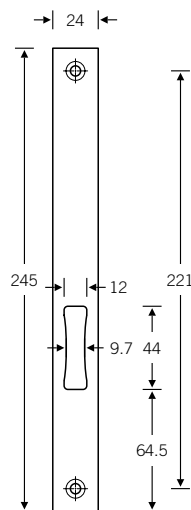
– suitable for lock series RR 01/02 PZW
 – satin stainless steel 3 mm



Series 4514



Series 4547



Series 4551

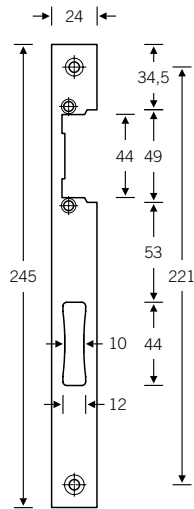
Series 4514	245 × 24 × 3 mm	4514
Series 4545	245 × 24 × 6 × 2 mm (U-shape)	4545
Series 4547	245 × 24 × 3 mm (for latch lock)	4547
Series 4548	245 × 24 × 6 × 2 mm (for latch lock, U-shape)	4548
Series 4551	245 × 24 × 3 mm (for deadbolt lock)	4551
Series 4552	245 × 24 × 6 × 2 mm (for deadbolt lock, U-shape)	4552

Handing	non-handed	
Material/finish	Satin Stainless Steel (further materials/ finishes to order)	EST

Series 4224 | 4225

for tubular frame locks
with no panic function

- suitable for lock series RR 01/02
- satin stainless steel 3 mm
- for e-openers

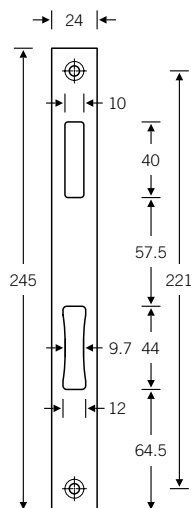


Series 4224	245 × 24 × 3 mm (for e-opener)	4224
Series 4225	245 × 24 × 6 × 2 mm (for e-opener, U-shape)	4225
Handing	right (RH) left (LH)	RS LS
Material/finish	Satin Stainless Steel (further materials/ finishes to order)	EST

Series 4560 | 4561

for tubular frame locks
with no panic function

- suitable for lock series RR 01/02 PZW
- satin stainless steel 3 mm
- suitable for roller Ø 11.5 mm (Series 4560 | 4561)

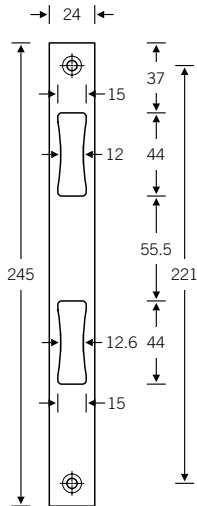


Series 4560	245 × 24 × 3 mm (for roller latch lock)	4560
Series 4561	245 × 24 × 6 × 2 mm (for roller latch lock, U-shape)	4561
Handing	non-handed	
Material/finish	Satin Stainless Steel (further materials/ finishes to order)	EST

Series 4540 | 4554

for tubular frame locks
with panic function

- suitable for lock series RR 02 with panic function
- satin stainless steel 3 mm



Series 4540	245 × 24 × 3 mm	4540
Series 4554	245 × 24 × 6 × 2 mm (U-shape)	4554
Handing	non-handed	
Material/finish	Satin Stainless Steel (further materials/ finishes to order)	EST

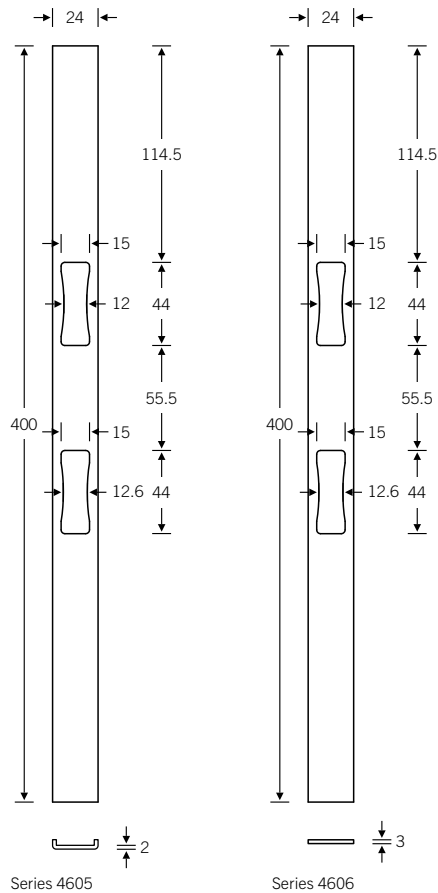
Striking plates for tubular frame locks

Renovation-job striking plate

Series 4605 | 4606

for tubular frame locks,
with no fixing holes

- suitable for lock series RR 02 with panic function
- satin stainless steel 3 mm

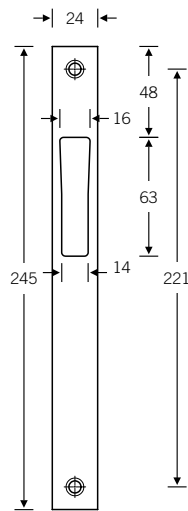


Series 4605	400 × 24 × 6 × 2 mm (U-shape)	4605
Series 4606	400 × 24 × 3 mm	4606
Handing	non-handed	
Material/finish	Satin Stainless Steel (further materials/ finishes to order)	EST

Series 4518

for tubular frame locks
with pivoting hook bolts

- suitable for lock series RR 02 with pivoting hook bolt
- satin stainless steel 3 mm

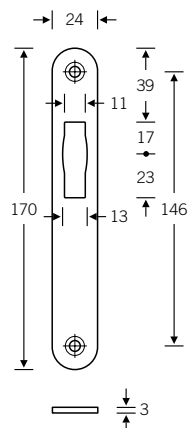


Series 4518	245 × 24 × 3 mm	4518
Handing	non-handed	
Material/finish	Satin Stainless Steel (further materials/ finishes to order)	EST

Series 4586

for tubular frame locks
with roller latch bolts, short

- suitable for lock series RR 02 RoF short
- satin stainless steel 3 mm
- suitable for roller Ø 13.8 mm

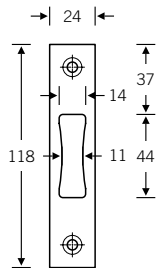


Series 4586	170 × 24 × 3 mm	4586
Handing	non-handed	
Material/finish	Satin Stainless Steel (further materials/ finishes to order)	EST

Series 4549 | 4550 | 4608

for short latch and
dead-bolt locks

- suitable for lock series RR 02 FSk/RSk
- satin stainless steel 3 mm



Series 4549	flat, edged	4549
Series 4550	118 × 24 × 6 × 2 mm (U-shape)	4550
Series 4608	flat, rounded	4608

Handing	non-handed
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Material/finish	Satin Stainless Steel (further materials/ finishes to order)	EST
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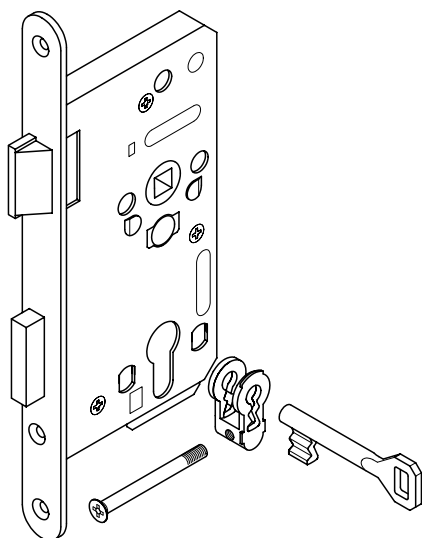
Warded-lock insert, die-cast zinc	124
Warded-lock insert, plastic	125
Warded-lock key	126
Multipurpose keying tool	127
Building-site key	128
Universal blanking plug	129
Blanking plug	130
Double-ended cylinder	131
Single-ended cylinder	132
Thumbturn	133
Keys	134
Floor bushing	135

Warded-lock insert, die-cast zinc

Warded-lock insert

for PC mortice locks,
Prod. Code 0.170-
(+ key profile No.)

- insert device die-cast zinc
- countersunk head screw M5 × 65 mm for backsets of up to 60 mm
- one key, nickel-plated (additional keys possible)

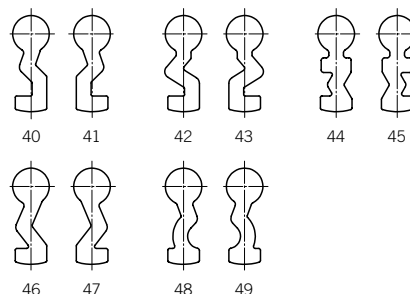
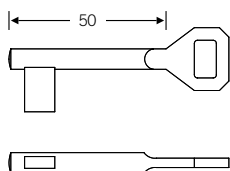
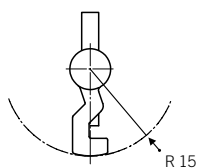
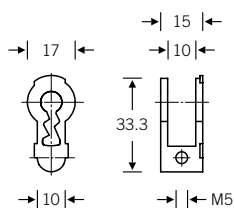


Lock cylinders are generally only fitted once the interior finishing work has been completed. The SSF warded-lock insert allows doors with mortice profile cylinder locks to be opened and closed throughout the construction phase once the door has been mounted.

There are a variety of key profiles (warding) available for these warded-lock inserts.

Please advise a profile No. when ordering.

Where nothing is specified by the customer, we will provide a random selection.

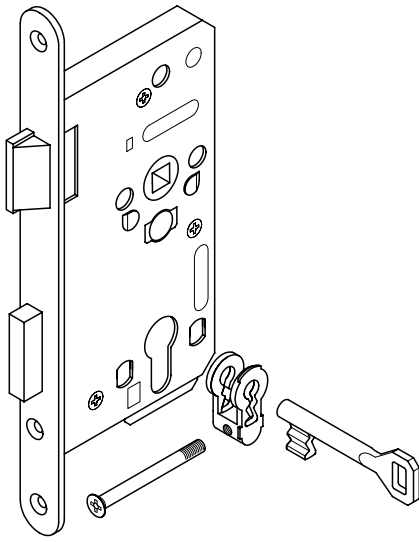


Warded-lock insert, plastic

Warded-lock insert

for PC mortice locks,
 Prod. Code 0.170-
 (+ key profile No.)

- insert device plastic
- countersunk head wood screw 4.5 × 70 mm
 for backsets up to 60 mm
- one key, galvanised (additional keys possible)

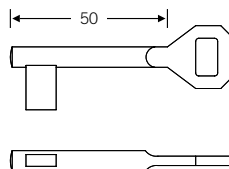
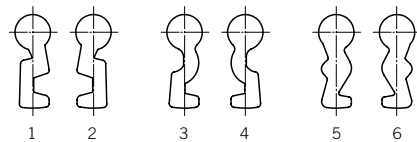
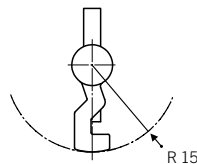
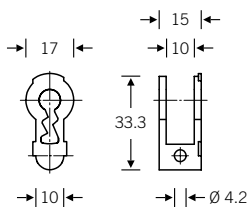


Lock cylinders are generally only fitted once the interior finishing work has been completed. The SSF warded-lock insert allows doors with mortice profile cylinder locks to be opened and closed throughout the construction phase once the door has been mounted.

There are a variety of key profiles (warding) available for these warded-lock inserts.

Please advise a profile No. when ordering.

Where nothing is specified by the customer, we will provide a random selection.

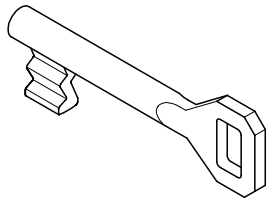


Keys and warding

Keys

Warded-lock key for mortice locks,
Prod. Code 0.166-04.19
(+ key profile No.)

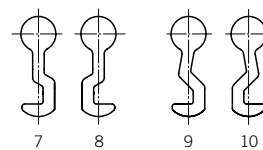
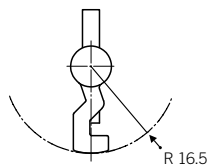
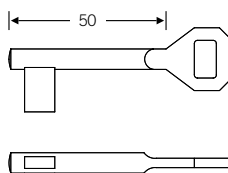
- shank 50 × Ø 7 mm
- galvanised die-cast zinc
- locking radius R16.5 mm



Warded-variant locks are supplied with a key
(fastened to forend).

Any of the key profiles (warding types) set out below
can be supplied.

Where no key profile is specified in an order, SSF will
supply a random selection of warded locks.



Multipurpose keying tool

H000153 | H000154



- can be used for
- triangular key 9 mm, square-socket key 7 mm
 - bleeding radiators
 - square pipe key 6–10 mm: checking square perforations, opening/closing windows
 - measuring profile cylinders
 - positioning, securing and removing the bits for various tools
 - emergency release tool, opening/closing windows, doors, switch cabinets etc.

with accessories	H000153
without accessories	H000154



Accessories

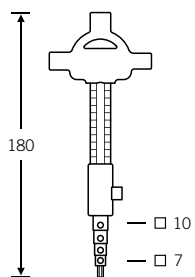
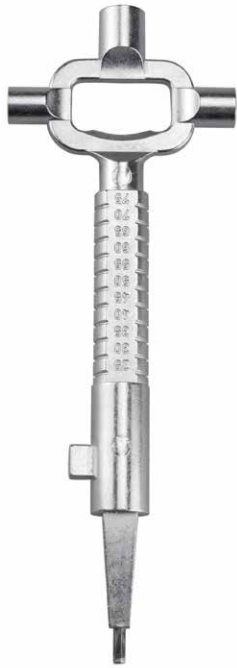
- ① square-socket key 8 mm: opening/closing valves, opening/closing windows, doors, switch cabinets etc., checking square perforations, tool adaptors
- ② triangular key 8 mm: opening/closing valves, opening/closing windows, doors, switch cabinets etc., checking square perforations, tool adaptors
- ③ switch cabinet: opening/closing windows, doors, switch cabinets etc., checking square perforations, tool adaptors
- ④ Daimler-Benz: opening/closing windows, doors, switch cabinets etc., checking square perforations tool adaptors
- ⑤ recessed head screws
- ⑥ slotted screws

Accessories

Building-site key

H0.166-00.29

- square socket key 6, 7 and 8 mm
- square pipe key 7, 8, 9 and 10 mm
- Allen key 3 mm
- bottle opener
- nickel-plated die-cast zinc



Adjustable blanking plug, for fire doors

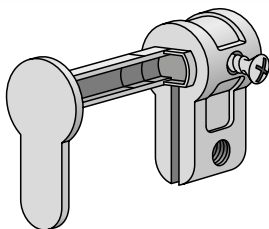
H000079 | H000078 | H000081
H000152 | H000126

Universal blanking plug,
can also be used as a single-ended cylinder
(possible with H000152)

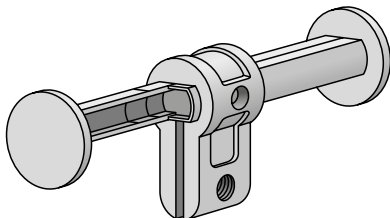
- continuously adjustable
- allows the PC aperture to be closed off flush with the hardware
- approved for fire and smoke-control doors up to T90
- fastened by means of the forend screw
- supplied with 1 M5 × 80 mm forend screw



H000081



H000152



H000126

Setting range/ door thickness	35–56 mm PC	H000079
	50–86 mm PC	H000078
	84–154 mm PC	H000081
	35–154 mm PC	H000152
	35–154 mm RC*	H000126

* RC = round cylinder – Swiss standard Norm

Blanking plug pursuant to EN 1303 and DIN 18252

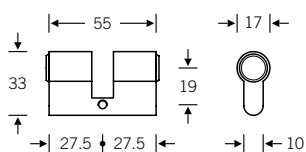
BZ

Blanking plug

– fixing with M5 × 80 mm forend screw (included)



Blanking plug		BZ
Size	31.5/31.5 mm	31/31
	27.5/27.5 mm	27/27
	35.5/35.5 mm	35/35
	then in 5 mm increments per side	
Finish	Matt Nickel-Plated Brass	MSmv
	Polished Brass	MSpol
	Burnished Brass	MSbr
	Bronzed Brass	MSbz
	Stainless Steel Effect	ESTeff



Classification key

pursuant to EN 1303:
1 6 0 1 0 C 4 0

Double-ended cylinder pursuant to EN 1303 and DIN 18252

DZ

Double-ended cylinder

- 5-pin
- fixing with M5 × 80 mm forend screw (included)
- not available in master-keyed system
- includes 3 keys in matt nickel-plated brass

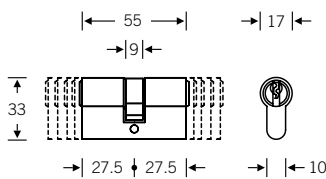


Double-ended cylinder		DZ
Size	31.5/31.5 mm 27.5/27.5 mm 35.5/35.5 mm then in 5 mm increments per side	31/31 27/27 35/35
Differs	keyed-to-differ keyed-alike	V G
Finish	Matt Nickel-Plated Brass Polished Brass Burnished Brass Bronzed Brass Stainless Steel Effect	MSmv MSpol MSbr MSbz ESTeff

emergency and hazard function

free running for gearbox-controlled multipoint locking systems

anti-drill/anti-forced extraction features



Classification key

pursuant to EN 1303:
1 6 0 1 0 C 4 0

Single-ended cylinder pursuant to EN 1303 and DIN 18252

HZ

Single-ended cylinder

- 5-pin
- fixing with M5 × 80 mm forend screw (included)
- 12 settings
- cannot be used in a suite of locks
- includes 3 keys in matt nickel-plated brass

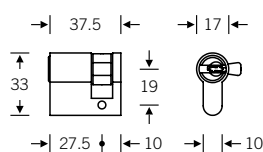


Single-ended cylinder		HZ
Size	31.5 mm 31.5/10 mm 27.5/10 mm 35.5/10 mm then in 5 mm increments per side	31 31/10 27/10 35/10
Differs	keyed-to-differ keyed-alike	V G
Finish	Matt Nickel-Plated Brass Polished Brass Burnished Brass Bronzed Brass Stainless Steel Effect	MSmv MSpol MSbr MSbz ESTeff

emergency and hazard function

free running for gearbox-controlled multipoint locking systems

anti-drill/anti-forced extraction features



Classification key

pursuant to EN 1303:
1 6 0 1 0 C 4 0

Thumbturn pursuant to EN 1303 and DIN 18252

KNZ

Thumbturn

- 5-pin
- fixing with M5 × 80 mm forend screw (included)
- cannot be used in a suite of locks
- includes 3 keys in matt nickel-plated brass

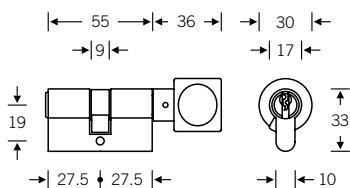


Thumbturn		KNZ
Size	31.5/31.5 mm 27.5/27.5 mm 35.5/35.5 mm then in 5 mm increments per side	31/31 27/27 35/35
Differs	keyed-to-differ keyed-alike	V G
Finish	Matt Nickel-Plated Brass Polished Brass Burnished Brass Bronzed Brass Stainless Steel Effect	MSmv MSpol MSbr MSbz ESTeff
Knob	Silver Anodised Further versions to order	ks

emergency and hazard function

free running for gearbox-controlled multipoint locking systems

anti-drill/anti-forced extraction features



Classification key

pursuant to EN 1303:
1 6 0 1 0 C 4 0

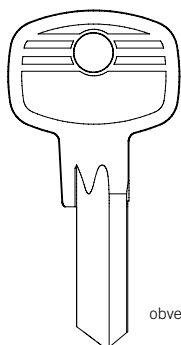
H000064 | H000065

Nickel-Plated Brass

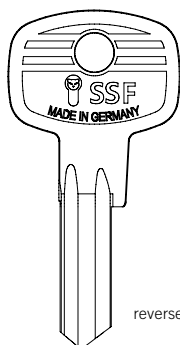


extra key, cut
key blank, uncut

H000064
H000065



obverse



reverse

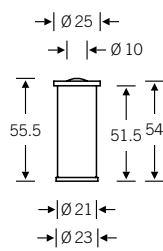
Accessories

Floor bushing

H000179

for flush bolts, for panic furniture FH 62
(inactive leaf)

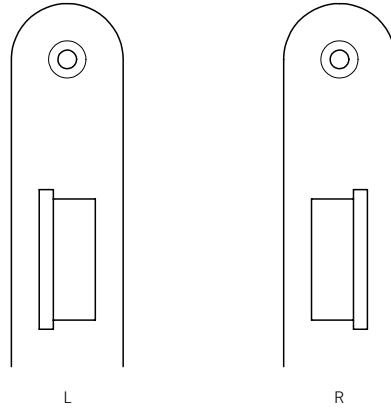
- floor bushing with round plate
- with dust excluder (sphere)
- Polished Brass



You will find detailed information regarding product liability and our General Terms & Conditions of Sale at www.ssf.de/downloads

Technical Notes	138
Forend versions	141
Installation and use	142
Classification	144
Index	146

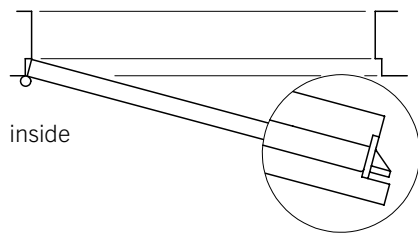
View of the front of the forend



The handings of doors and locks are determined in accordance with DIN 107, "Building construction; identification of right and left side".

DIN LH
inwards

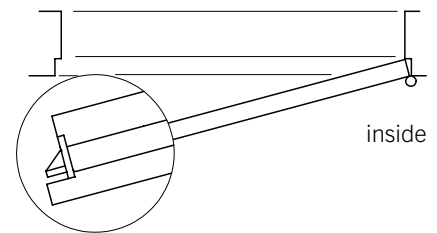
outside



inside

DIN RH
inwards

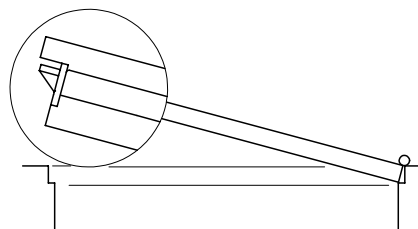
outside



inside

DIN LH
outwards

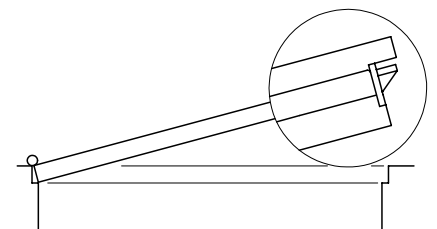
outside



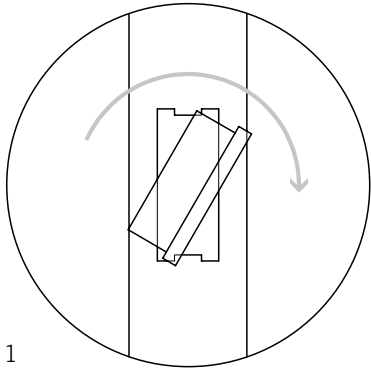
inside

DIN RH
outwards

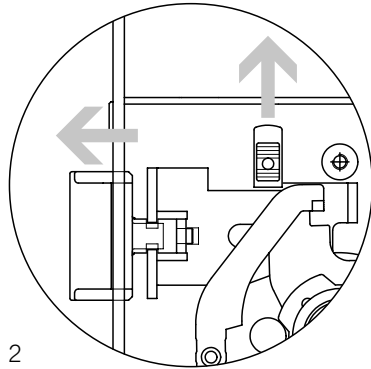
outside



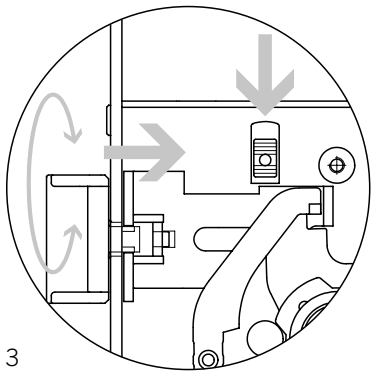
inside



1



2

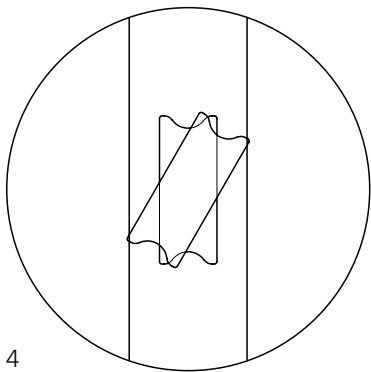


3

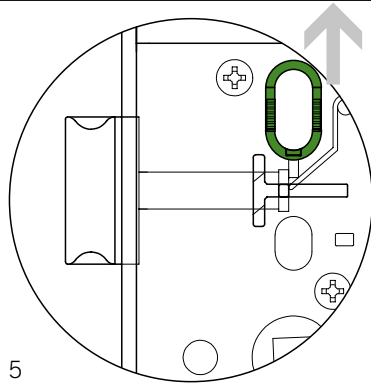
Series 50/52 locks for centre-variant, non-handed, full leaf steel doors are supplied with a reversible latch bolt (1).

The position of the latch bolt can be altered without using a tool.

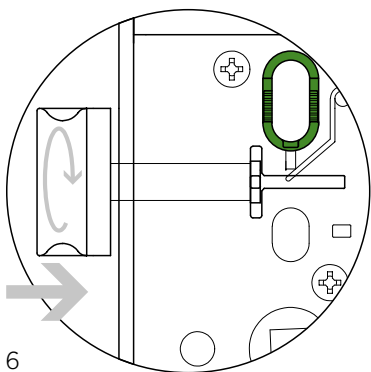
- push black plastic insert upwards (2)
- the latch bolt is automatically thrust forwards and out of the forend (2)
- bring the latch bolt into the correct position and press back into the forend (3)
- the latch bolt is automatically held fast



4



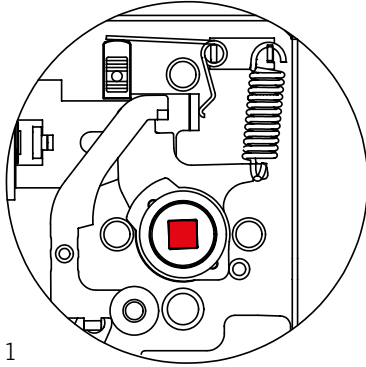
5



6

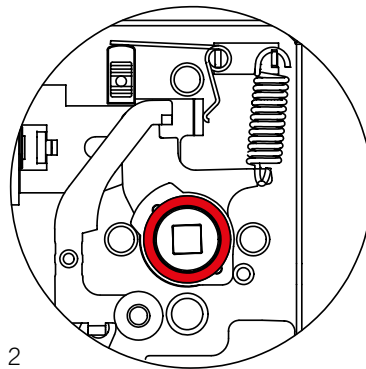
All locks for tubular-frame doors except those with panic functions APB/APD, are supplied with a reversible latch bolt (4)

- disengage red retention device (anti-thrust slide)
- push the black insert in the upper screw perforation upwards (5)
- the latch bolt is automatically thrust forwards and out of the lock
- rotate head and latch within the cutout and, once re-aligned, press back in (6)
- the latch bolt is automatically held fast
- push red retention device home (antithrust slide)



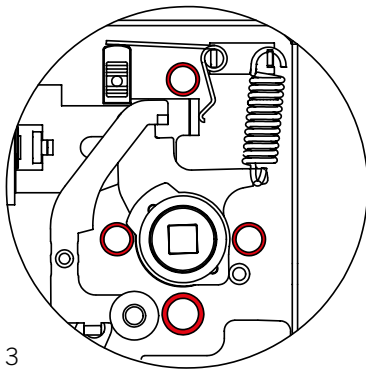
1

The self-tightening follower ensures a wobble-free connection between lock and handle spindle. (1)



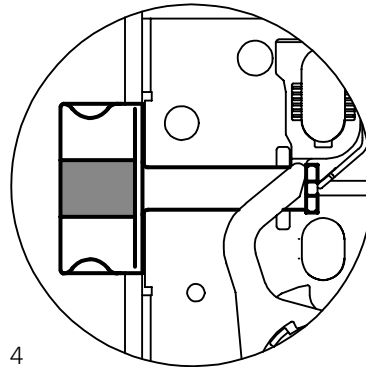
2

Bearing rings in steel or glass-fibre reinforced polyamide securely guide the lock follower even under extreme loadings and high frequencies of operation. (2)



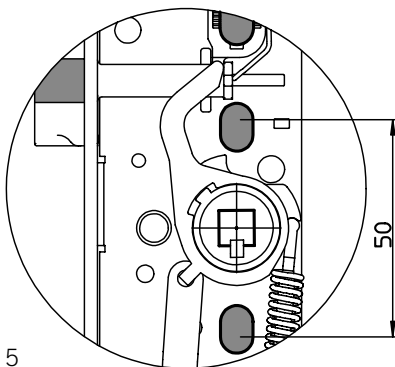
3

Chip guards prevent drillings entering the lock when the hardware is fitted, thus adversely affecting its functioning. (3)



4

A layer of plastic embedded in the latch bolt causes the latter to be sound-damped when it impacts against the striking plate. (4)



5

Perforations in the lock aid proper assembly of the hardware, especially in the case of tubular frame locks. (5)

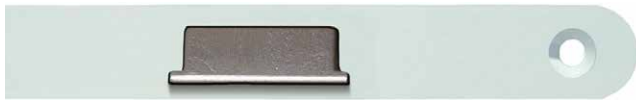
All SSF lock followers are made and supplied in the materials steel (material ST37), stainless steel (material AISI 430, material AISI 304) or brass (material CuZn37).



Silver Metallic



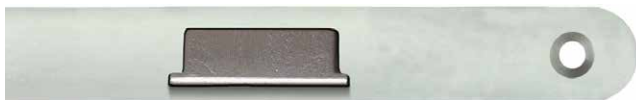
Hammer-Gilded



White



Galvanised



Matt Chromium-Plated

Forends in steel

All followers in steel undergo surface protection by means of either lacquering or galvanisation.

Laquered finishes

- Silver Metallic
- Hammer-Gilded
- White RAL 9010

Galvanic finishes

- Galvanised
- Matt Chromium-Plated



Satin Stainless Steel



Polished Stainless Steel

Forends in stainless steel

Forends in Stainless Steel are produced in either AISI 430 or AISI 304 depending on the lock series involved.

Surface finish

- Satin
- Polished



Polished Brass

Forends in brass

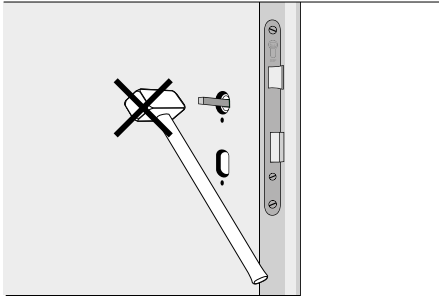
- Polished
- Fine Ground



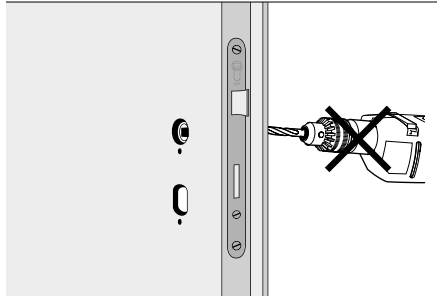
Bronze

Forends in bronze

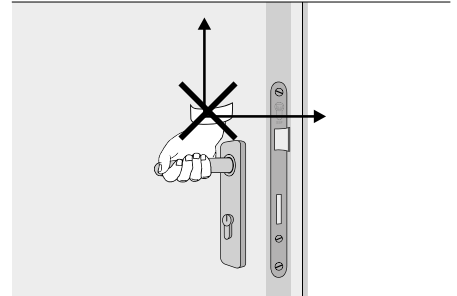
Please note the standard versions cited for the various locks along with the attendant optional features. SSF recommends selecting forends and striking plates to match.



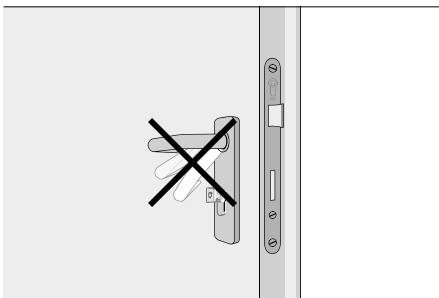
The handle spindle must never be worked through the lock follower with brute force.



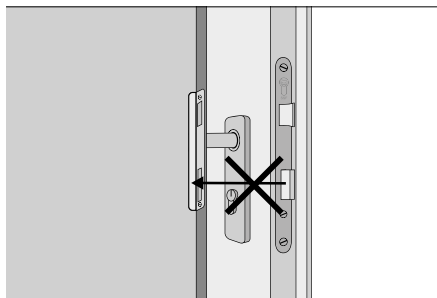
The door leaf must not be drilled through in the area of the lock with the latter fitted.



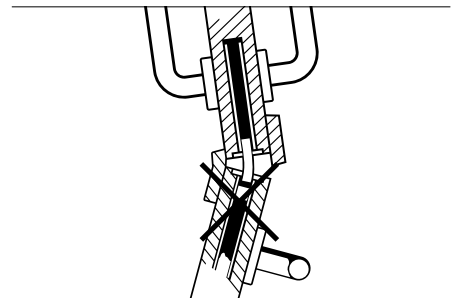
The door leaf must not be carried by the handle.



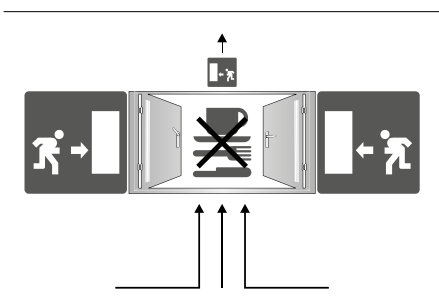
Handle and key must not be operated at the same time.



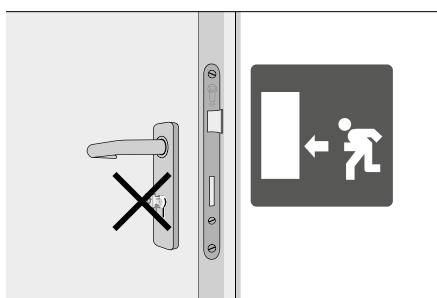
The lock bolt must not be shot forward with the door open.



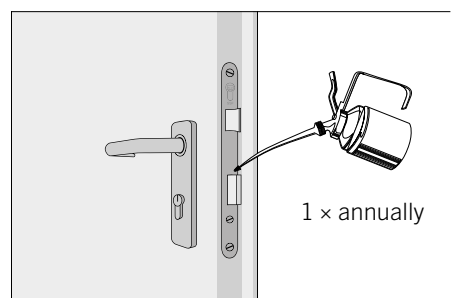
2-leaf doors must not be forced open via the inactive leaf.



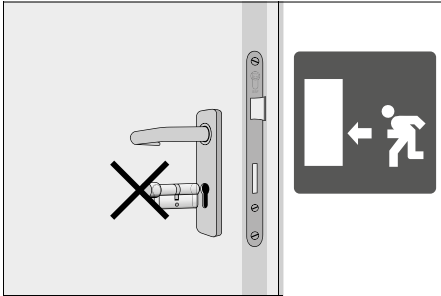
Panic handles may only be operated in an actual emergency and not as a matter of course.



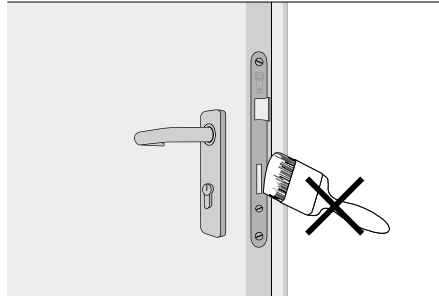
Keys must not be left in the locks on panic doors.



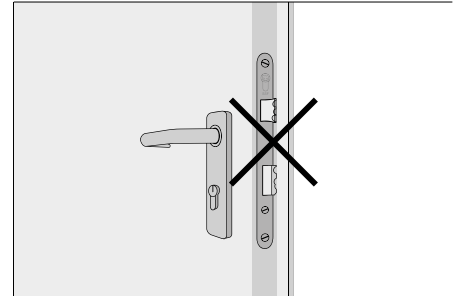
Lubricate locks at least once a year with a non-resinous oil.



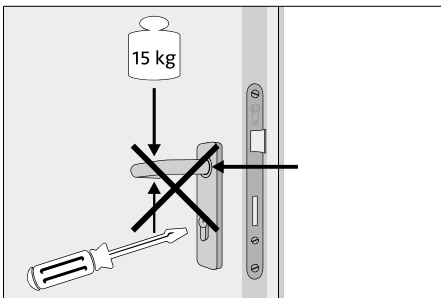
Panic mortice locks must not be fitted with lock cylinders of the free-running connecting-bar type. These are, for instance, cylinders whose connecting bar can rotate freely once the key has been withdrawn, or what are known as “thumbturns”.



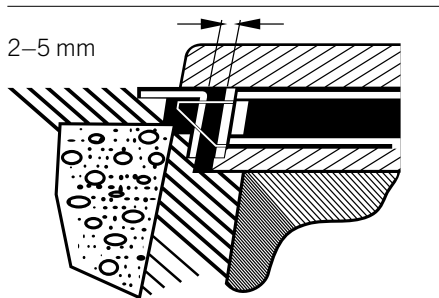
Lock bolts and latches must not be painted over.



The lock needs to be replaced as soon as there are any signs of force having been used.

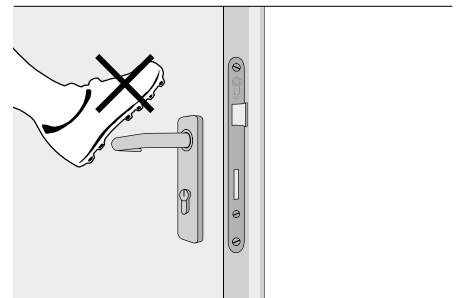


The handle may only be loaded in the normal sense of rotation. A force of no more than 150 N may be applied to the handle in the direction of operation. The lock may not be operated with any but its correct key (or any other object).



The distance between lock forend and striking plate should be between 2 mm and 5 mm.

DIN 18101 lays down how the mortices for locks subject to DIN 18251-1 are to be routed out. Locks that are not governed by DIN 18251-1 should not be fitted too tightly and must be checked for smooth functioning. Doors are to be fitted as specified by the makers and be operated in accordance with the applicable standards (locks are often claimed as being faulty that do not function correctly on account of a door not having been correctly fitted – distance between latch and dead bolt).



Avoid hardware being kicked (vandalism)



Furniture ought to be made up of components by a single manufacturer.

Lock classes pursuant to DIN 18250

Class	Latchbolt-spring resistance N		Lever-handle positive-mechanism moment Nm	Lever-handle moment Nm	Static latchbolt loading kN	Static deadbolt loading kN	Deadbolt counterforce kN
	min.	max.					
1	–	–	min. 0.8	–	–	–	–
2	2.5	4.0	1.2±0.4	40	3	4	–
3	2.5	4.0	1.5±0.4	50	3	6	2
4	2.5	4.0	1.5±0.4	50	5	10	4
5	2.5	4.0	1.5±0.4	50	5	10	6

Class 1

Locks for lightweight internal doors

- warded locks
- lock cap double fastened
- handle pos.-mech. moment min. 0.8 Nm
- bolt throw 10 mm no latch retraction
- backset 55 mm

Class 2

Locks for internal doors

- warded, lever, cylinder or bathroom locks
- lock cap at least double fastened
- backset 55 mm

Class 3

Locks for flat-entrance doors and public buildings (“heavy-duty locks”)

- cylinder locks
- lock cap at least triple fastened

Class 4

Cylinder locks for heavy-duty doors with resistance to burglary

Class 5

Cylinder locks for heavy-duty doors with enhanced resistance to burglary

Classification key pursuant to EN 12209

Category of use	Fatigue resistance and loading of the latch bolt	Door mass and closing force	Suitability for use on fire/smoke-control doors	Security	Resistance to corrosion and temperature	Level of security and resistance to drilling	Scope of use by type of door	Type of key operation and locking	Type of spindle action	Key identification
1	2	3	4	5	6	7	8	9	10	11

1. Category of use (only three classes specified)

- Class 1 Use by persons with a great incentive to handle with care. Risk of improper use is low, e.g. internal doors in the home.
- Class 2 Use by persons with a certain incentive to handle with care. There is a certain probability of improper use, e.g. office doors.
- Class 3 Use by persons with little incentive to handle with care. There is a high probability of improper use, e.g. doors in public buildings.

2. Fatigue resistance

Class A	50.000 test cycles	no latchbolt loading
Class B	100.000 test cycles	no latchbolt loading
Class C	200.000 test cycles	no latchbolt loading
Class F	50.000 test cycles	Latchbolt loading of 10N
Class G	100.000 test cycles	Latchbolt loading of 10N
Class H	200.000 test cycles	Latchbolt loading of 10N
Class L	100.000 test cycles	Latchbolt loading of 25N
Class M	200.000 test cycles	Latchbolt loading of 25N
Class R	100.000 test cycles	Latchbolt loading of 50N
Class S	200.000 test cycles	Latchbolt loading of 50N
Class W	100.000 test cycles	Latchbolt loading of 120N
Class X	200.000 test cycles	Latchbolt loading of 120N

3. Closing force and door mass

Class 1	max. 50N closing force	up to 100 kg
Class 2	max. 50N closing force	up to 200 kg
Class 3	max. 50N closing force	over 200 kg or as stipulated by makers
Class 4	max. 25N closing force	up to 200 kg
Class 5	max. 25N closing force	up to 100 kg
Class 6	max. 25N closing force	over 200 kg or as stipulated by makers
Class 7	max. 15N closing force	up to 100 kg
Class 8	max. 15N closing force	up to 200 kg
Class 9	max. 15N closing force	over 200 kg or as stipulated by makers

4. Use on fire/smoke-control doors

- Class 0 not admissible for fitting to fire and smoke-control doors
- Class 1 suitable for fitting to fire and smoke-control doors assuming a satisfactory evaluation of the lock's contribution to the degree of resistance of specified fire and smoke-control doors

6. Resistance to corrosion

Class 0	no resistance to corrosion laid down, no temperature limits
Class A	low resistance to corrosion, no temperature limits
Class B	average resistance to corrosion, no temperature limits
Class C	high resistance to corrosion, no temperature limits
Class D	very high resistance to corrosion, no temperature limits
Class E	average resistance to corrosion, temperature limits –20 °C to +80 °C
Class F	high resistance to corrosion, temperature limits –20 °C to +80 °C
Class G	very high resistance to corrosion, temperature limits –20 °C to +80 °C

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Series 50 53 FSW FSP.	latch lock with latch retraction + anti-thrust latch	p 22
Series 50 53 FSk.	latch lock, short	p 17
Series 50 FSk PZ.	food hatch lock	p 18
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