

# Materialprüfungsamt Nordrhein-Westfalen

Prüfen · Überwachen · Zertifizieren

## Certificate of constancy of performance

### 0432-CPR-00099-03

Version 03

In compliance with Regulation (EU) No 305/2011 of the European Parliament and of the Council of 9 March 2011 (the Construction products Regulation or CPR), this certificate applies to the construction product

### ECO mortise locks for fire proof doors

Mechanically operated locks for use fire- and/or smoke compartmentation doors as detailed and classified in annex 2 and with the intended use according annex 4,

placed on the market under the name or trade mark of

### ECO Schulte GmbH & Co. KG

Iserlohner Landstraße 89  
58706 Menden  
Germany

and produced in the manufacturing plant(s)

### see annex 1

This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in annex ZA of the standard(s)

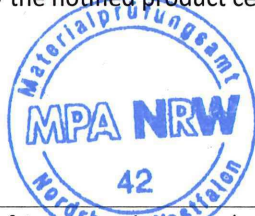
### EN 12209:2003/AC:2005

under **system 1** for the performance set out in this certificate are applied and that the factory production control conducted by the manufacturer is assessed to ensure the

### constancy of performance of the construction product.

This certificate was first issued on 19.06.2015 and will remain valid until 05.06.2025 as long as neither the harmonised standard, the construction product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.

Dortmund, 05.06.2020



By order

Dipl.-Ing. T. Friedrich

Head of Certification Body Department 22

This Certificate consists of 1 page and 4 annex(es).

This Certificate replaces the Certificate no. 0432-CPR-00099-03 dated 01.07.2019, Version 02.



The original of this document was issued in German language.  
In case of doubt only the German version is valid.

**ECO mortise locks  
Manufacturing plants**

Product	Manufacturing plant
Locks/devices	<p>ECO Schulte GmbH &amp; Co. KG Iserlohner Landstraße 117 D-58706 Menden Germany DO 20.1</p> <hr/> <p>ECO Schulte Doorsystem Zhuhai Co., Ltd. No. 31, Zhuhai Free trade Zone Zhuhai, Guangdong P.R. China DO 25.21</p>

## ECO mortise locks series GBS 8x

No.	Item no.	VS-type	Function	Backset	Distance	Forend width	Accessories / comment	Classification
1	GBS 81 latch	B		55-100 mm	72mm PZ 74mm RZ	≥ 20 mm	diverse strike plates; diverse strike plates for electric strike	3   M   6   1   0   D   -   B   0   2   0
2	GBS 81	B		55-100 mm	72mm PZ 74mm RZ	≥ 20 mm		3   M   6   1   0   D   6   B   C   2   0

## ECO mortise locks series GBS 9x

No.	Item no.	VS-type	Function	Backset	Distance	Forend width	Accessories / comment	Classification
1	GBS 90A	B, D	I, III d *)	55-65 mm	72mm PZ 74mm RZ	≥ 20 mm	strike plate type R and type C self-locking panic lock	3   M   6   1   0   D   4   B   B   2   0
2	GBS 91A	B, D	I, III d *)	55-65 mm	72mm PZ 74mm RZ	≥ 20 mm		3   M   6   1   0   D   4   B   B   2   0
3	GBS 92 x	B, D	I, III, IV, V	55-100 mm	72mm PZ 74mm RZ	≥ 20 mm	diverse strike plates; diverse strike plates for electric strike	3   M   6   1   0   D   3   6   B   A   2   0
4	GBS 93 x	A	I, III, IV, V	55-100 mm	72mm PZ 74mm RZ	≥ 20 mm		3   M   6   1   0   D   3   B   A   2   0

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## ECO mortise locks series ECO/GBS 1xx

No.	Item no.	VS-type	Function	Backset	Distance	Forend width	Accessories / comment	Classification
1	ECO/GBS 104	B		55-100 mm	72mm PZ 74mm RZ	≥ 20 mm	diverse strike plates; diverse strike plates for electric strike	3 M 6 1 0 D 4 B C 2 0
2	ECO/GBS 105	B		55-100 mm	72mm PZ 74mm RZ	≥ 20 mm		3 M 6 1 0 D 6 B C 2 0
3	ECO/GBS 109	B		55-100 mm	72mm PZ 74mm RZ	≥ 20 mm	diverse strike plates; diverse strike plates for electric strike	3 M 6 1 0 D - B 0 2 0
4	ECO/GBS 110	B		55-100 mm	72mm PZ 74mm RZ	≥ 20 mm		3 M 6 1 0 D 6 B C 2 0
5	ECO/GBS 111	B/D	I	55-100 mm	72mm PZ 74mm RZ	≥ 20 mm		3 M 6 1 0 D 6 B C 2 0
6	ECO/GBS 112	B	III	55-100 mm	72mm PZ 74mm RZ	≥ 20 mm		3 M 6 1 0 D 6 B C 2 0
5	ECO/GBS 113	B	IV	55-100 mm	72mm PZ 74mm RZ	≥ 20 mm		3 M 6 1 0 D 3 B A 2 0
6	ECO/GBS 114	B	V	55-100 mm	72mm PZ 74mm RZ	≥ 20 mm		3 M 6 1 0 D 3 B A 2 0
7	ECO/GBS 115	D	III	55-100 mm	72mm PZ 74mm RZ	≥ 20 mm		3 M 6 1 0 D 6 B C 2 0
8	ECO/GBS 116	D	IV	55-100 mm	72mm PZ 74mm RZ	≥ 20 mm		3 M 6 1 0 D 3 B A 2 0
9	ECO/GBS 117	D	V	55-100 mm	72mm PZ 74mm RZ	≥ 20 mm		3 M 6 1 0 D 3 B A 2 0
10	ECO/GBS 121	A	I	55-100 mm	72mm PZ 74mm RZ	≥ 20 mm		3 M 6 1 0 D 3 B A 2 0
11	ECO/GBS 122	A	III	55-100 mm	72mm PZ 74mm RZ	≥ 20 mm	3 M 6 1 0 D 3 B A 2 0	
12	ECO/GBS 123	A	IV	55-100 mm	72mm PZ 74mm RZ	≥ 20 mm	3 M 6 1 0 D 3 B A 2 0	
13	ECO/GBS 124	A	V	55-100 mm	72mm PZ 74mm RZ	≥ 20 mm	3 M 6 1 0 D 3 B A 2 0	
14	ECO/GBS 125	A	III	55-100 mm	72mm PZ 74mm RZ	≥ 20 mm	3 M 6 1 0 D 3 B A 2 0	



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No.	Item no.	VS-type	Function	Backset	Distance	Forend width	Accessories / comment	Classification	
15	ECO/GBS 126	A	IV	55-100 mm	72mm PZ 74mm RZ	≥ 20 mm		3 M 6 1 0 D 3 B A 2 0	
16	ECO/GBS 127	A	V	55-100 mm	72mm PZ 74mm RZ	≥ 20 mm		3 M 6 1 0 D 3 B A 2 0	
19	ECO/GBS 130	B	-	55-100 mm	72mm PZ 74mm RZ	≥ 20 mm	diverse strike plates; top shoot bolt; latchlock, closing plate	3 M 6 1 0 D 6 B C 2 0	
20	ECO/GBS 131	B/D	I	55-100 mm	72mm PZ 74mm RZ	≥ 20 mm		3 M 6 1 0 D 6 B C 2 0	
21	ECO/GBS 132	B	III	55-100 mm	72mm PZ 74mm RZ	≥ 20 mm		3 M 6 1 0 D 6 B C 2 0	
22	ECO/GBS 133	B	IV	55-100 mm	72mm PZ 74mm RZ	≥ 20 mm		3 M 6 1 0 D 3 B A 2 0	
23	ECO/GBS 134	B	V	55-100 mm	72mm PZ 74mm RZ	≥ 20 mm		3 M 6 1 0 D 3 B A 2 0	
24	ECO/GBS 135	D	III	55-100 mm	72mm PZ 74mm RZ	≥ 20 mm		3 M 6 1 0 D 6 B C 2 0	
25	ECO/GBS 136	D	IV	55-100 mm	72mm PZ 74mm RZ	≥ 20 mm		3 M 6 1 0 D 3 B A 2 0	
26	ECO/GBS 137	D	V	55-100 mm	72mm PZ 74mm RZ	≥ 20 mm		3 M 6 1 0 D 3 B A 2 0	
27	ECO/GBS 141	A	I	55-100 mm	72mm PZ 74mm RZ	≥ 20 mm		diverse strike plates; top shoot bolt; latchlock, closing plate	3 M 6 1 0 D 3 B A 2 0
28	ECO/GBS 142	A	III	55-100 mm	72mm PZ 74mm RZ	≥ 20 mm			3 M 6 1 0 D 3 B A 2 0
29	ECO/GBS 143	A	IV	55-100 mm	72mm PZ 74mm RZ	≥ 20 mm	3 M 6 1 0 D 3 B A 2 0		
30	ECO/GBS 144	A	V	55-100 mm	72mm PZ 74mm RZ	≥ 20 mm	3 M 6 1 0 D 3 B A 2 0		
31	ECO/GBS 145	A	III	55-100 mm	72mm PZ 74mm RZ	≥ 20 mm	3 M 6 1 0 D 3 B A 2 0		
32	ECO/GBS 146	A	IV	55-100 mm	72mm PZ 74mm RZ	≥ 20 mm	3 M 6 1 0 D 3 B A 2 0		
33	ECO/GBS 147	A	V	55-100 mm	72mm PZ 74mm RZ	≥ 20 mm	3 M 6 1 0 D 3 B A 2 0		

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No.	Item no.	VS-type	Function	Backset	Distance	Forend width	Accessories / comment	Classification
34	ECO/GBS 180	B	-	60/100 mm	72mm PZ 74mm RZ	≥ 20 mm	diverse strike plates; diverse strike plates for electric strike	3 M 6 1 0 D 4 B A 2 0
35	ECO/GBS 181	B/D	I	60/100 mm	72mm PZ 74mm RZ	≥ 20 mm		3 M 6 1 0 D 4 B A 2 0
36	ECO/GBS 182	B	III	60/100 mm	72mm PZ 74mm RZ	≥ 20 mm		3 M 6 1 0 D 4 B A 2 0
37	ECO/GBS 183	B	IV	60/100 mm	72mm PZ 74mm RZ	≥ 20 mm		3 M 6 1 0 D 4 B A 2 0
38	ECO/GBS 184	B	V	60/100 mm	72mm PZ 74mm RZ	≥ 20 mm		3 M 6 1 0 D 4 B A 2 0
39	ECO/GBS 185	D	III	60/100 mm	72mm PZ 74mm RZ	≥ 20 mm		3 M 6 1 0 D 4 B A 2 0
40	ECO/GBS 187	B	-	65-100 mm	72mm PZ 74mm RZ	≥ 20 mm	diverse strike plates; top shoot bolt  ECO/GBS 198 Addition latchlock  ECO/GBS 199 Addition latchlock operated by handle	3 M 6 1 0 D 6 B C 2 0
41	ECO/GBS 190	B	-	55-100 mm	72mm PZ 74mm RZ	≥ 20 mm		3 M 6 1 0 D 3 B A 2 0
42	ECO/GBS 191	B/D	I	55-100 mm	72mm PZ 74mm RZ	≥ 20 mm		3 M 6 1 0 D 3 B A 2 0
43	ECO/GBS 192	B	III	55-100 mm	72mm PZ 74mm RZ	≥ 20 mm		3 M 6 1 0 D 3 B A 2 0
44	ECO/GBS 193	B	IV	55-100 mm	72mm PZ 74mm RZ	≥ 20 mm	3 M 6 1 0 D 3 B A 2 0	
45	ECO/GBS 194	B	V	55-100 mm	72mm PZ 74mm RZ	≥ 20 mm	diverse strike plates; top shoot bolt  ECO/GBS 198 Addition latchlock  ECO/GBS 199 Addition latchlock operated by handle	3 M 6 1 0 D 3 B A 2 0
46	ECO/GBS 195	D	III	55-100 mm	72mm PZ 74mm RZ	≥ 20 mm		3 M 6 1 0 D 3 B A 2 0
47	ECO/GBS 196	D	IV	55-100 mm	72mm PZ 74mm RZ	≥ 20 mm		3 M 6 1 0 D 3 B A 2 0
48	ECO/GBS 197	D	V	55-100 mm	72mm PZ 74mm RZ	≥ 20 mm		3 M 6 1 0 D 3 B A 2 0

## Legend

\*) – Special Functions GBS 90A and GBS 91A

- 02 Microswitch for monitoring dead bolt or switching function
- 03 Blocked lever handle on both sides, fail safe
- 04 Blocked lever handle on both sides, fail secure
- 05 Lever handle on one side blocked, fail safe, B (Hinge side) or G (Hinge opposite side)
- 06 Lever handle on one side blocked, fail secure, B (Hinge side) or G (Hinge opposite side)
- 08 24-Volt Model

VS-Typ A	Lock for single leaf doors and active leaf of double leaf doors
VS-Typ B	Lock for outside opening single leaf doors
VS-Typ C	Lock for inactive leaves in a double leaf door
VS-Typ D	Lock for inside opening single leaf doors

Function I:	One-piece spindle hub, constantly active escape door function. It is always possible to use the handle on the inside to open the door. The door can only be opened from the outside using the key in the track cylinder core.
Function III:	Split spindle hub, constantly active escape door function from the inside. It is always possible to use the handle on the inside to open the door. The handle on the outside is either permanently engaged or permanently disengaged using the key. The latch can only be operated from the outside by the key. Once the handle on the inside has been used to open the door, the door can also be opened from the outside until it is relocked manually.
Function IIIId:	Split spindle hub, constantly active escape door function from the inside. It is always possible to use the handle on the inside to open the door. The handle on the outside is either permanently engaged electrically or released for operation. The latch can always be operated by the key.
Function IV:	Split spindle hub, constantly active escape door function from the inside. It is always possible to use the handle on the inside to open the door. The handle on the outside is either permanently engaged or permanently disengaged using the key. The latch can only be operated from the outside by the key. Once the handle on the inside has been used to open the door, it cannot be opened by the handle on the outside either.
Function V:	Split spindle hub, constantly active escape door function from the inside. It is always possible to use the handle on the inside to open the door. In the default position, the fitting on the outside is disengaged. It can only be engaged by turning the key to a certain position. Once the key has been removed, the outside fitting is disengaged once again.

## Inactive door leaf devices

For devices with VS-type A the following locks for inactive door leaves do not have an impact on the essential characteristics of the certified devices and can be used as followed:

Item no.	Vs-Type	Backset	Forend width	Accessoires
GBS 94 x	C	65-100 mm	≥ 20 mm	diverse shoot bolt locks, diverse shoot bolt lock safed, with or without rod, switch lock, Latchlock, Ground locking recess, ground sleeve, stone jack, closing plate, Rod guide plate E-opener GEZE FT 505 GEZE FT 305/306
GBS 94 f	C	25-65 mm	≥ 18 mm	Rebate retracting bolt lock, with or without rod, switch lock, Latchlock, Ground locking recess, ground sleeve, stone jack, closing plate, Rod guide plate
ECO/GBS 150 ECO/GBS 152 ECO/GBS 154 ECO/GBS 156	C	65-100 mm	≥ 20 mm diverse forend	diverse shoot bolt locks, diverse shoot bolt lock safed, with or without rod, switch lock, Latchlock, Ground locking recess, ground sleeve, stone jack, closing plate, Rod guide plate E-opener GEZE FT 505 GEZE FT 305/306
ECO/GBS 170	C	25-65 mm	≥ 18 mm	Rebate retracting bolt lock, with or without rod, switch lock, Latchlock, Ground locking recess, ground sleeve, stone jack, closing plate, Rod guide plate



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## Intended use:

For use on fire- and/or smoke controlled doors

Essential characteristics	Requirement clauses in EN 12209: 2003/AC: 2005	Performance
Self-closing ability	5.4.2 Closing force 5.1.2 re-latching force of latch bolt	Grade 6: (max. 300kg door mass, max. 25N closing force) passed ≤ 2,5N: passed
Durability of selfclosing action	5.3. Durability of latch action	Grade M: (200.000 cycles, 25 N side load on latch bolt) passed
Ability to maintain door in closed position, and not contribute to the spread of fire	5.5 Suitability for use on fire / smoke doors + annex A	Grade 1: passed
Control of dangerous substances	5.1.1 Dangerous substances	If a reference to dangerous substances is added in the table ZA.1, following claim is suggested: Pass: the material in the lock do not contain or release any dangerous substance of maximum levels specified in existing European material standards or any national regulations