Deutsches Institut für Bautechnik

Public-law institution jointly founded by the federal states and the Federation

European Technical Assessment Body for construction products

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European Technical Assessment ETA-24/0098 of 16 April 2024

English translation prepared by DIBt - Original version in German language

General Part

Technical Assessment Body issuing the European Technical Assessment:	Deutsches Institut für Bautechnik
Trade name of the construction product	H 30-1
Product family to which the construction product belongs	H 30-1
Manufacturer	Hörmann KG Verkaufsgesellschaft Upheider Weg 94 33803 Steinhagen
Manufacturing plant	HÖRMANN KG Freisen Bahnhofstraße 43 66629 Freisen
This European Technical Assessment contains	10 pages including 6 annexes which form an integral part of this assessment
This European Technical Assessment is issued in accordance with Regulation (EU) No 305/2011, on the basis of	020029-00-1102

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Specific Part

1 Technical description of the product

The subject of this European technical assessment are internal pedestrian fire resisting and/or smoke control single leaf doors "H 30-1", made of steel.

The products with the classification EI_2 30-C5 S_a and EI_2 30-C5 S_{200} involve those which are used manually, opening and self-closing as a normal mode of operation. They can also be normally held open but self-close in the event of fire or smoke.

The fire resisting and/or smoke control doors shall be designed:

- using steel plates featuring fire-resistant inlays;
- with building hardware;
- with a three-sided permanently elastic seal (for fire resistance), optionally with a bottom seal;
- with a three-sided permanently elastic seal in conjuction with a soil liner (for smoke control).

The system setup is given in Annexes 1 to 6.

2 Specification of the intended use in accordance with the applicable European Assessment Document

Fire resisting and/or smoke control doors are used internally as closures in fire resisting walls and/or for escape routes. The products can be used as internal fire resisting and/or smoke control single and double leaf doors in internal walls.

The verifications and assessment methods on which this European Technical Assessment is based lead to the assumption of a working life of the fire resisting and/or smoke control doors at least 15 years. The indications given on the working life cannot be interpreted as a guarantee given by the producer, but are to be regarded only as a means for choosing the right products in relation to the expected economically reasonable working life of the works.

The performances given in Section 3 are only valid if the products are used in compliance with the specifications and conditions given in Annexes 1 to 6.

3 Performance of the product and references to the methods used for its assessment

3.1 Safety in case of fire (BWR 2)

Essential characteristic	Performance	
Reaction to fire of components acc. to EN 13501-1	Steel plate Insulation Gypsum plaster board Intumescent material	A1 A1 A2 B1
Resistance to fire acc. to EN 13501-2	EI_2 30	
Smoke control acc. to EN 13501-2	S_a/S_{200}	

3.2 Safety and accessibility in use (BWR 4)

Essential characteristic	Performance
Self-closing acc. to EN 13501-2	C
Ability to release	"released"
Durability of the ability to release	"release maintained"
Durability of self-closing against degradation (cycling testing) acc. to EN 13501-2	5
Durability of self-closing against ageing (corrosion)	"achieved"
Impact resistance acc. to EN 13049	No performance assessed
Strength requirements	No performance assessed

3.3 Sustainable use of natural resources (BWR 7)

For the sustainable use of natural resources no performance was investigated for this product.

4 Assessment and verification of constancy of performance (AVCP) system applied, with reference to its legal base

In accordance with EAD No. 020029-00-1102, the applicable European legal act is: 1999/93/EU.

The system to be applied is: 1

5 Technical details necessary for the implementation of the AVCP system, as provided for in the applicable EAD

Technical details necessary for the implementation of the AVCP system are laid down in the control plan deposited with Deutsches Institut für Bautechnik.

Issued in Berlin on 16 April 2024 by Deutsches Institut für Bautechnik

Christina Pritzkow
Head of Section

beglaubigt:
Fritzsche

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Annexes 2 to 6 contains internal single leaf doors "H30-1" (pivot doors) with the classification EI_2 30-C5 S_a and EI_2 30-C5 S_{200}.

The fire resisting and/or smoke control doors are made of steel plates and fire-resistant inlays with building hardware.

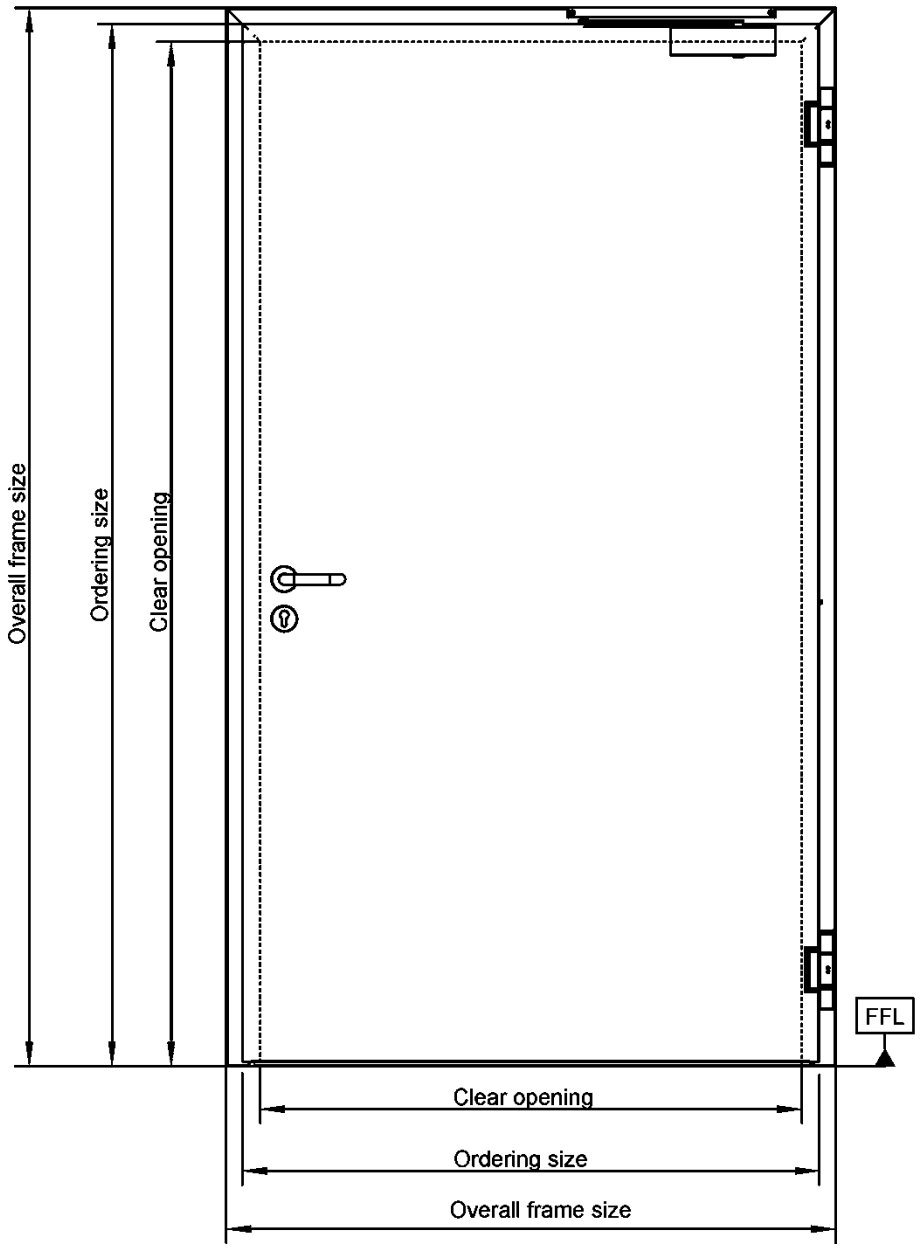
Fire resisting doors are made with a three-sided permanently elastic seal, optionally with a bottom seal.

Fire resisting and/or smoke control doors are made with a three-sided permanently elastic seal in conjuction with a bottom seal.

The single leaf "H30-1" doors with the classification EI_2 30-C5 S_a and EI_2 030-C5 S_{200} are proved as internal fire resisting and/or smoke control single doors in internal walls/on internal components:

- solid wall of masonry with an overall density of ≥ 1800 kg/m² and a thickness ≥ 100 mm or
- solid wall of masonry with an overall density ≥ 600 kg/m² and a thickness ≥ 115 mm or
- assembly walls of fire resistance class EI 30 - in construction with wooden- or steel supports and paneling on both sides with plasterboard with a thickness ≥ 100 mm or
- covered steel supports or -beams of the fire resistance class EI 30, provided that they are connected to room-enclosing components that are at least equally fire-resistant over their entire length or height with a thickness ≥ 100 mm.

H 30-1	Annex 1
Generally	



All dimensions in mm

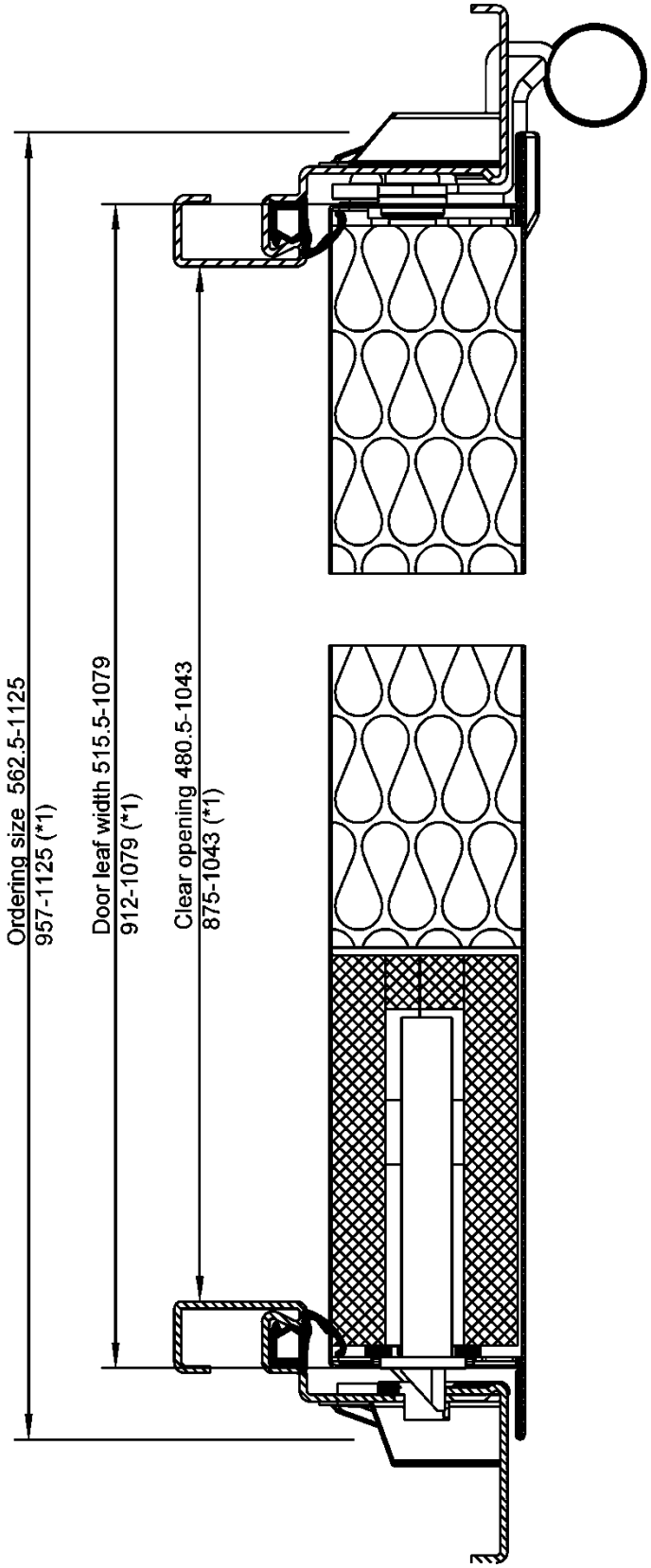
DIN right as shown,
DIN left mirror-image.

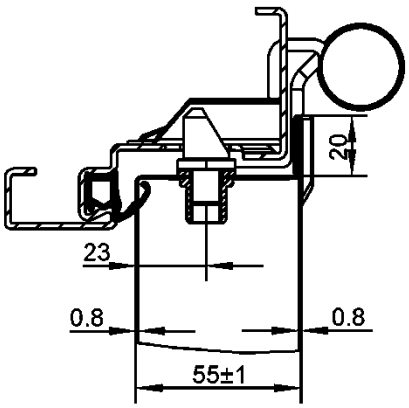
	Ordering size		Clear opening		Overall frame size	
	width from-till	height from-till	width from-till	height from-till	width from-till	height from-till
H30-1	562.5-1125	1687.5-2250	480.5-1043	1645.5-2208	626.5-1189	1718.5-2281
escape door	957-1125	2042-2250	875-1043	2000-2208	1021-1189	2073-2281

H 30-1

Summary

Annex 2





(*1)- Applies to doors on escape routes

H 30-1	Annex 3
Horizontal section	

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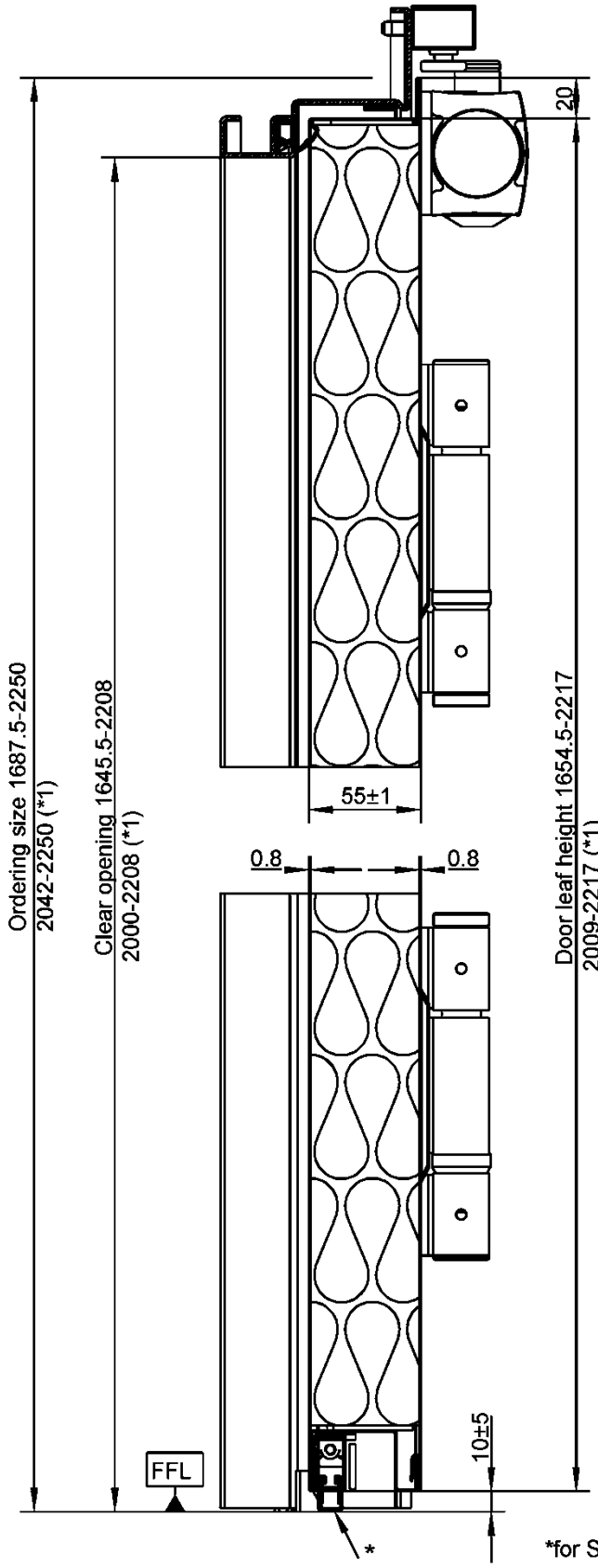
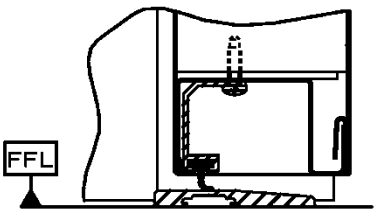


Variant with sliding seal in the retaining profile and floor sill (for Sa optional/ necessary for S_{200})

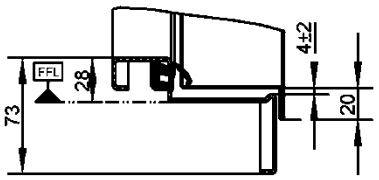
NOT FOR DOORS ON ESCAPE ROUTES !



(*1)- Applies to doors on escape routes

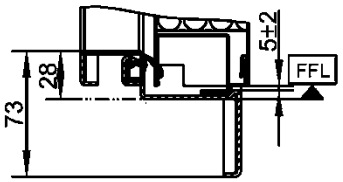
Variant, four-sided all-round frame with all-round rebated door leaf

NOT FOR DOORS ON ESCAPE ROUTES !



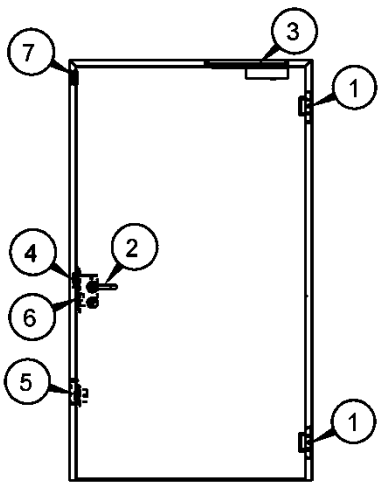
Variant, four-sided all-round frame with three-sided rebated door leaf

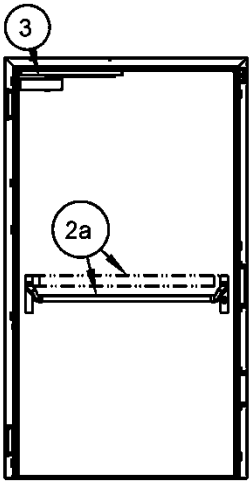
NOT FOR DOORS ON ESCAPE ROUTES !



*for Sa optional/ necessary for S_{200}

H 30-1	
Vertical section	Annex 4





1-Construction / Spring Hinges acc. to EN 1935/DIN 18272

2-Handles acc. to EN 1906 / DIN 18273

2a-Panic bar- or push bar acc. EN 1125 testet acc. to 1634

3-Door closer face fixed acc. to 1154

4-Electric door opener

5-Escape door opener with latch-lock

6-Lock acc. to EN 12209/ EN 179/ EN 1125

7-Magnetic contact, alarm contact

Various:

-Additional bolt/-latch lock

-Holding magnet

-Bolt- switch contact

-Steel or aluminium push plates, kick plates and bumpers

-Door dampers

H 30-1	Annex 5
Equipment	

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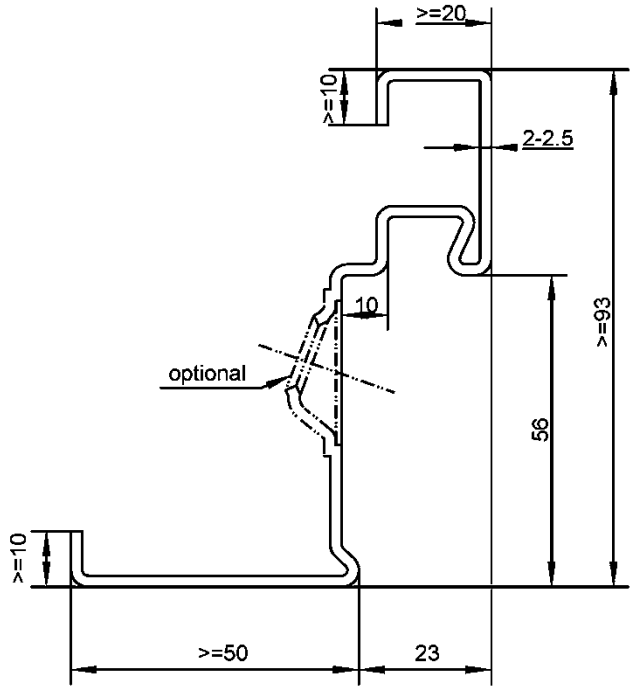
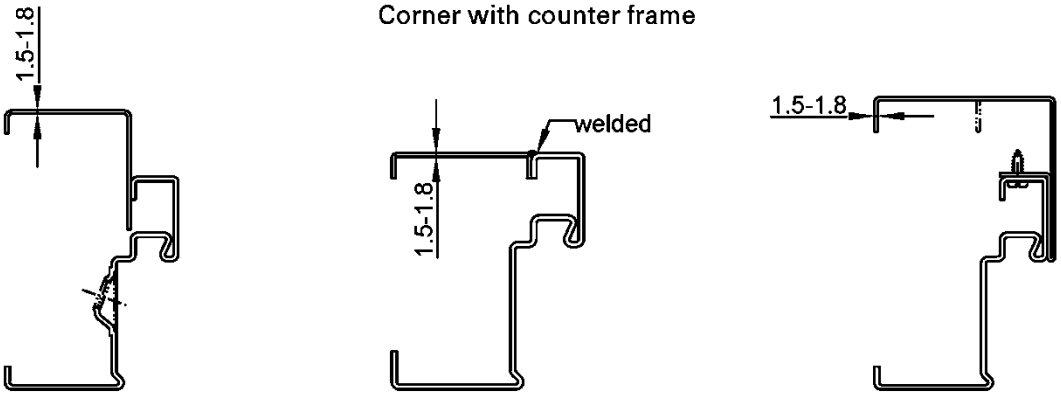
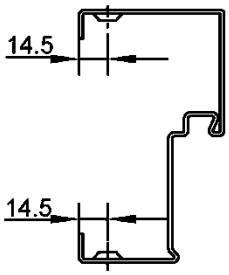
Frame profile



Corner with counter frame



Wraparound frame for mounting in flexible supporting construction



H 30-1	Annex 6
Frame	