

GLAZING AND TOP ELEMENTS

Glazing

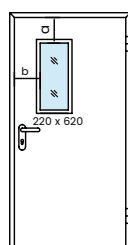


Figure 1

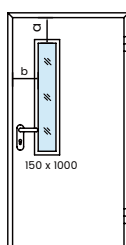


Figure 2

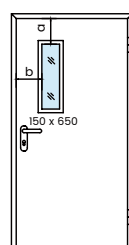


Figure 3

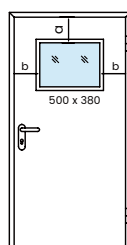


Figure 4

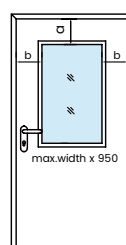


Figure 5

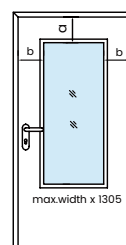


Figure 6

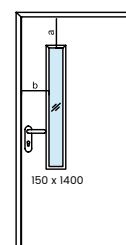
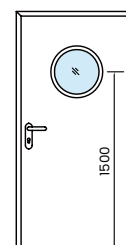
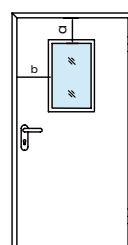


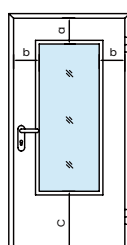
Figure 7



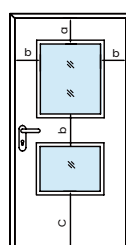
Round glazing



Optional glazing 1



Optional glazing 2



Optional glazing 3

	Structural opening height ≤ 2100 mm	Structural opening height > 2100 mm
a	=200 mm	=H - 1900 mm
b	≥ 200 mm	≥ 200 mm
c	≥ 400 mm	≥ 400 mm

Round glazing panel's diameter $\varnothing = 300$ mm

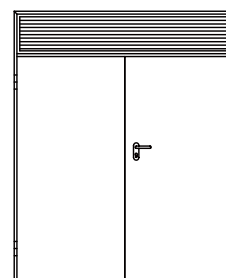
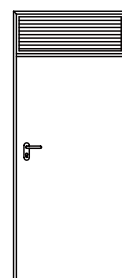
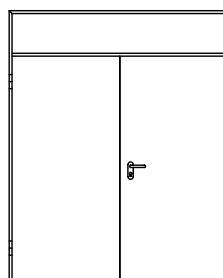
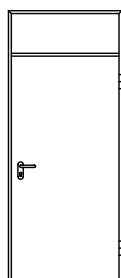
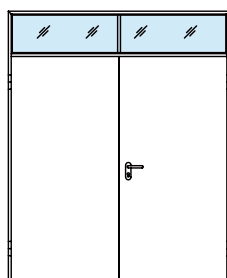
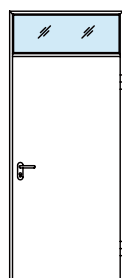
Figure 1, Figure 2, Figure 3, Round glazing, Optional glazing 1 applicable to HC 90 CCC, HCA 60 and HCA 30.

Figure 1, Figure 4, Figure 5, Figure 6, Figure 7, Round glazing, Optional glazing 2, Optional glazing 3 applicable to EZ, ZK-, HSW, HA-.

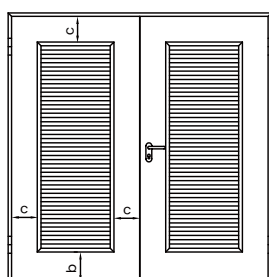
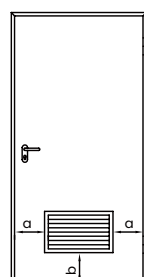
Figure 1, Figure 4, Figure 5, Figure 6, Round glazing, Optional glazing 2, Optional glazing 3 applicable to HMS.

Figure 1, Figure 4, Figure 5, Figure 7, Optional glazing 2 applicable to HCR 40, HT, HTE and HTE H.

Top light / panel / steel ventilation grille for HA-, ZK-, HG, HE and HMS door *



Steel ventilation grille for HMS, HA- door



Please note critical dimensions below when ordering.

a ≥ 150 mm

b ≥ 150 mm

c ≥ 200 mm

* Mullion shall be applied if the structural opening width exceeds 2500 mm. Top steel ventilation grille is only available for HMS, HA- door.

PRODUCT CHARACTERISTICS

Internal door / external door for

- Fire protection requirements

The choice of an internal or external door depends on the fitting situation (protected / unprotected) and on the requirements of the performance characteristics.

Ready-to-fit door set with universal corner frame

Door leaf and frame, galvanized and with powder-coated primer in Grey white (similar to RAL 9002)

Single- or double-leaf

Thermally insulated

$UD = 1.5 \text{ W/(m}^2\text{K)}$

T30 fire-retarding

Acc. to DIN 4102

EI230 fire-retarding

Acc. to EN 16034

Sealing Sa

Self-closing characteristic

C5 200000 cycles

Possible additional

functions:

Break-in-resistant RC 2**

Acc. to DIN EN V 1627

Acoustic-rated*

Acc. to DIN EN ISO 717.1

with 32 – 43 dB

Smoke-tight S200

Acc. to DIN 18095

Smoke-tight RS

Acc. to DIN 18095

Glazings***

Clear fire-proof glass F30

Door leaf glued over the entire surface

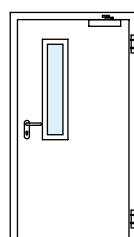
The fully bonded composite construction of the door leaf ensures particularly high stability. The door always closes securely and accurately with a satisfying noise. The risk of door leaf warping or unevenness is virtually eliminated by the permanently flush surface.

Rebate and door leaf on request

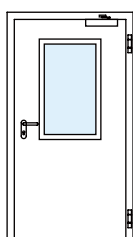
We supply the fire-rated door H3 OD in the thin rebate version as standard. The door comes in a thick rebate version for an identical view with your internal doors or in the version with a flush-closing door leaf for a very elegant door appearance on request.

With optional glazing

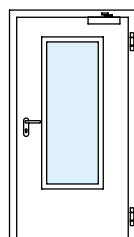
On request, the steel construction project door H3 OD is available with clear fire-proof glass for more light. These doors are equipped with an additional overhead door closer.



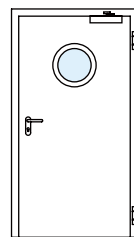
Glazing
View 1



Glazing
View 2



Glazing
View 3



Round glazing
Ø 300, 400,
500 mm

A frame for all wall types

The steel construction project door H3 OD is fitted quickly, easily and flexibly with the universal corner frame as standard. Thanks to the diagonal or anchor plate, the frame can be fitted in almost all fitting situations and wall types. The universal corner frame can be easily upgraded to a profile frame with the Vario B53 counter frame.



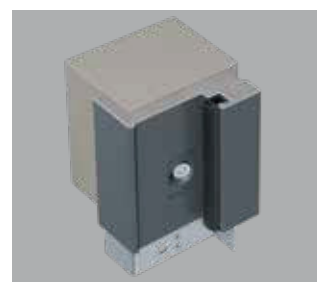
Thin rebate version as standard



Optional thick rebate version



Optional flush-closing version



Universal corner frame, brickwork



Universal corner frame with counter frame Vario B53, concrete

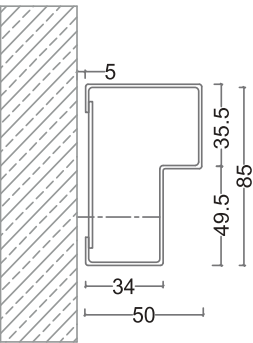
* The acoustic values apply to solid doors without glazing and are not applicable to doors fitted into gas concrete.

** The resistance class RC 2 applies to doors without glazing and is not applicable to doors fitted into partition walls.

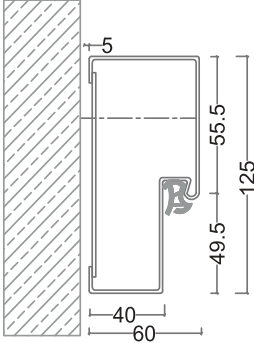
*** Please note: Glazed doors require an overhead door closer.

TECHNICAL

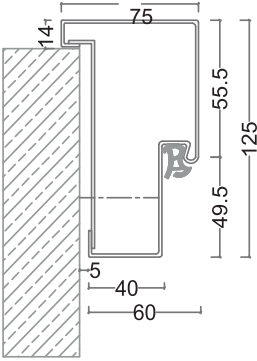
FRAME PROFILE



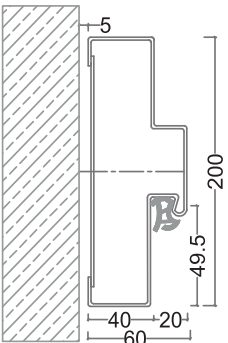
Standard: 85x50mm



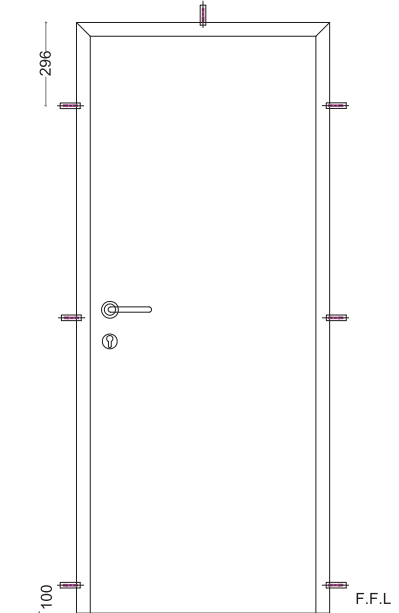
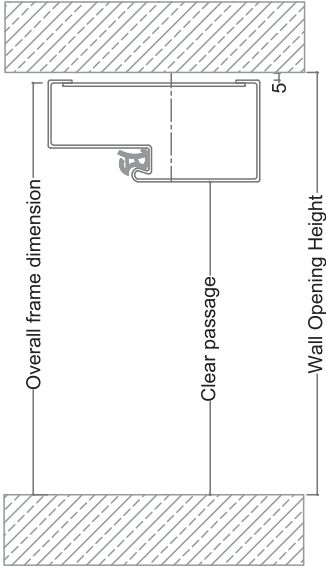
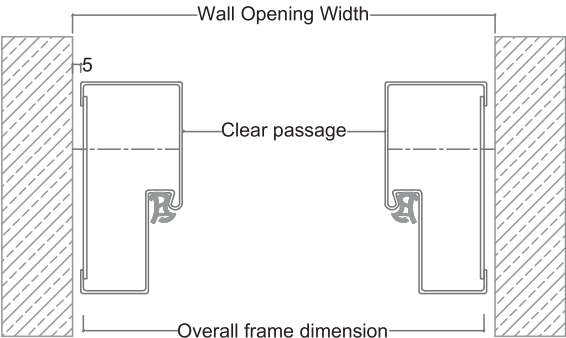
Standard: 125x60mm



Architrave: 125x60x75mm

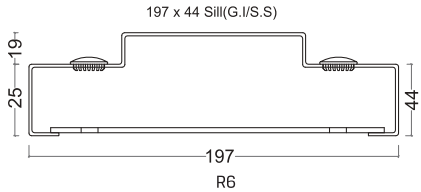
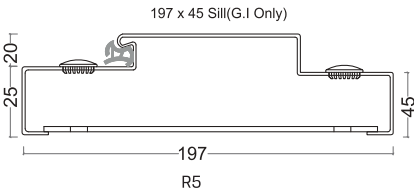
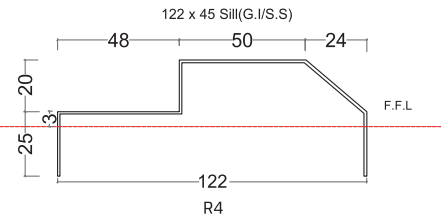
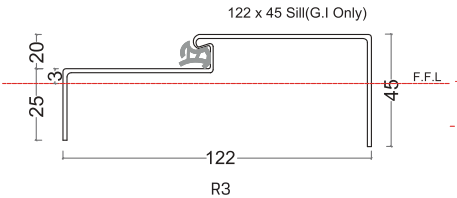
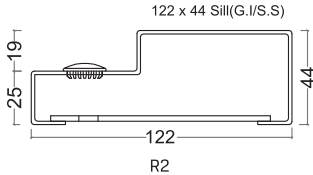
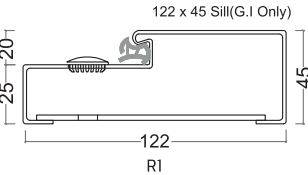


Standard: 200x60mm

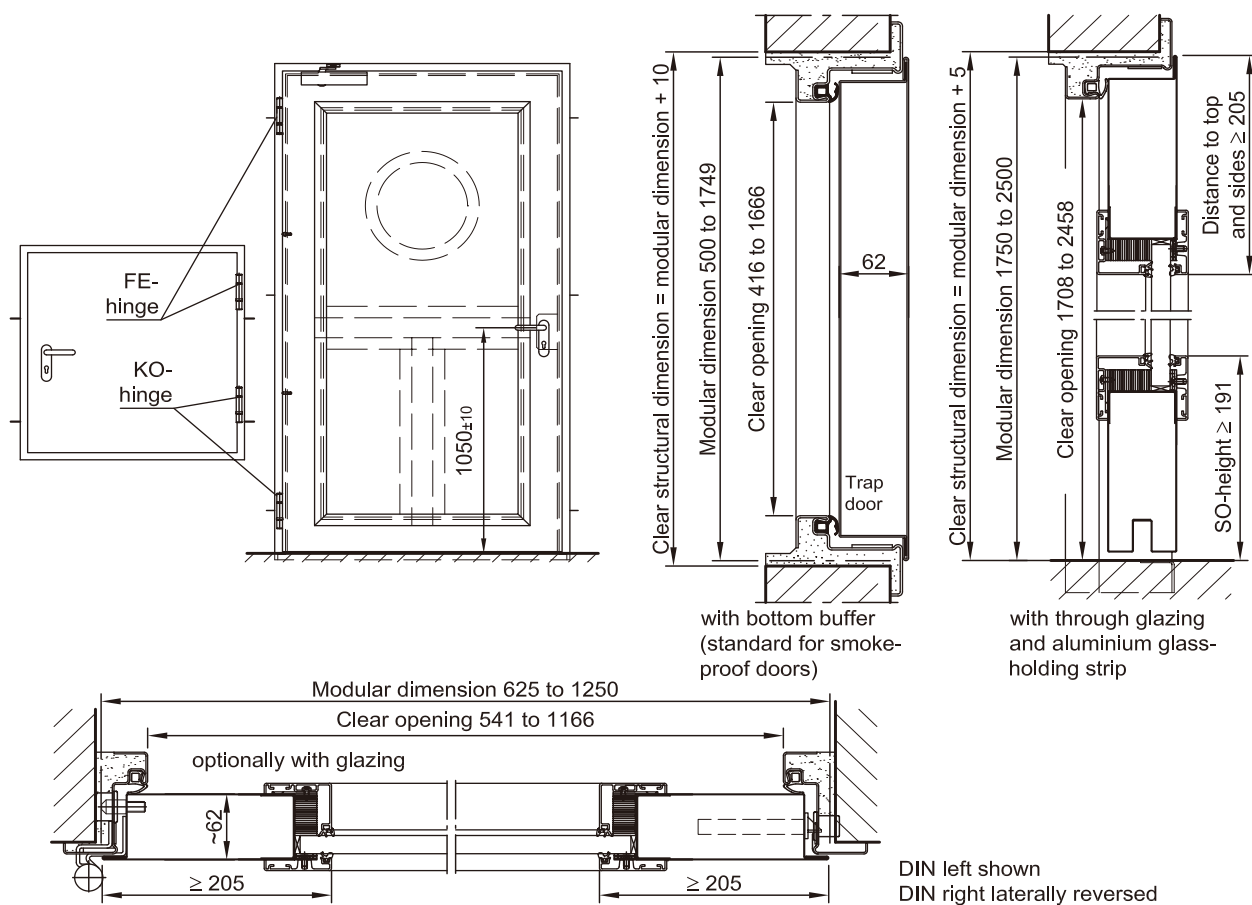


Anchor Spacings

PROFILE THRESHOLD

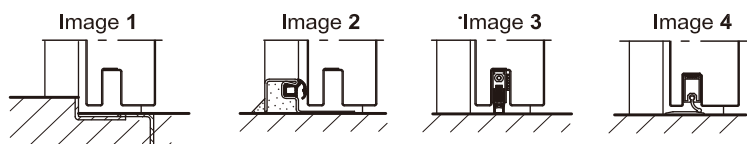


TECHNICAL



Floor connections:

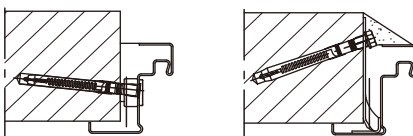
Image 1: With bottom buffer
Image 2: With bottom buffer/seal
Image 3: With bottom seal (smoke-proof door with top door closer)
Image 3: sliding threshold seal



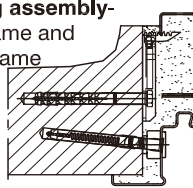
Installation in masonry/ concrete walls

concrete walls ≥ 100 mm
masonry walls ≥ 115 mm

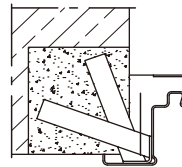
Wall plug assembly



Wall plug assembly- closed frame and counter frame



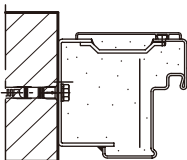
Wall anchor assembly



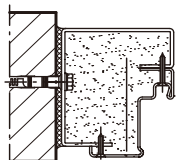
Installation with block frame Flush installation between

concrete walls ≥ 100 mm
masonry walls ≥ 115 mm

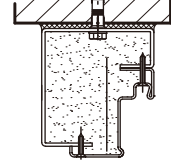
Type 1.1



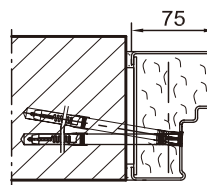
Type 2.1 Disassembled version



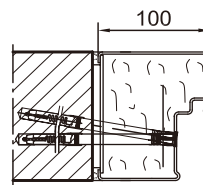
Type 2.2 in front of the reveal



Type 4.1



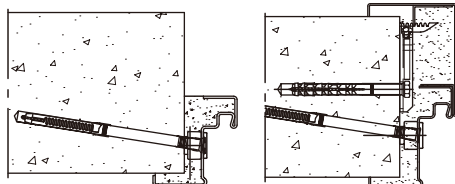
Type 4.2



Installation in autoclaved aerated concrete walls

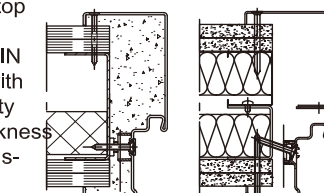
(doors with top door closer).
Made of autoclaved aerated concrete blocks or high precision units in acc. with DIN 4165 strength class 4 min. 115 mm or made of reinforced autoclaved aerated concrete slabs strength class 4. Wall thickness min. 150 mm

Wall plug assembly



Installation in lightweight construction

stud walls (doors with top door closer) Installation walls F30 in acc. with DIN 4102 Part 4 or in acc. with general building authority test certificate, wall thickness min. 100 mm. For permissible walls refer to the installation details tab



Closed frame / Corner-counter frame

CONTACT

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