structo

WALL
SYSTEMS

FITS PERFECTLY WITH WALL

PANELS

DOOR–STX

Maximum height of the product if side panels are in one piece: * coloured	2790 mm*
Maximum height of the product if side panels are divided into two parts:	4000 mm
Maximum external dimensions of the door frame (width x height): * with SU-050 door panel	1090 x 2390 mm*
Soundproofing: * see Technical Description for detailed information	Rw = 38 - 44 dB*
Standard door frame depths:	95 mm 123 mm

DOOR-STX_v7_06052022

DOOR-STX | TECHNICAL DESCRIPTION

DOOR-STX is a wooden door where door panel is in the same plane as door moldings when viewed from the outside. Fits perfectly with wall panels.

The door can be ordered opening both in and outwards, and in both cases, the door panel is in the same plane as door moldings when viewed from the outside.

Standard single-panel door frame widths are: M7 (690mm), M8 (790mm), M9 (890mm), M10 (990mm).

The standard door frame height is M21 (2090mm). It is also possible to order paired doors, doors with glass openings and doors of special size.

The standard door frame depths are 95mm and 123mm.

The standard door types are:

- SU-050 inwards or outwards opening door (thickness of the door panel is 53mm).

- SU-060 inwards or outwards opening door (thickness of the door panel is 66,5mm).

Outside MDF 10mm door moldings are glued to the frame with splines.
Standard dimensions for outside moldings are:

- 10x70mm (vertical) and 10x85mm (horizontal) in case of inwards opening door.

- 10x60mm (both vertical and horizontal) in case of outwards opening door.

It's possible to order outer moldings up to 1200mm wide. Inner moldings are not included and have to be ordered separately.

We are using following veneers:

- quarter sliced veneer (radial cut) or

- flat cut or plain sliced veneer (tangential cut).

Maximum height of the product if side panels are in one piece: * coloured	2790 mm*
Maximum height of the product if side panels are divided into two parts:	4000 mm
Maximum dimensions of the door frame (width x height): * with SU-050 door panel	1090 x 2390 mm
Minimum solid door panel width:	250 mm
Minimum door panel width with a glass opening:	560 mm

Those veneer strips are then joined together to make spliced veneer faces (wide veneer sheets). Our standard method is book match. It's possible to choose from over 40 different veneer species from Europe, Africa and America.

Thresholds are made of oak. It is also possible to order an automatically descending seal.

Possible coatings for door panels and panels are:

- painted according to RAL, NCS or Tikkurila colour catalogues.

- covered with natural or technical veneer, which may be stained and varnished, varnished with tinted varnish or painted.
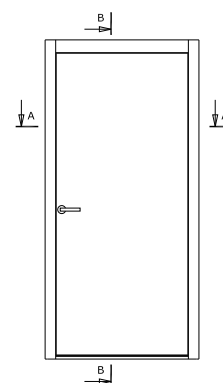
The standard lock case is ASSA 565-50 and the counterpart ASSA 2864. It is also possible to order other lock cases and counterparts.

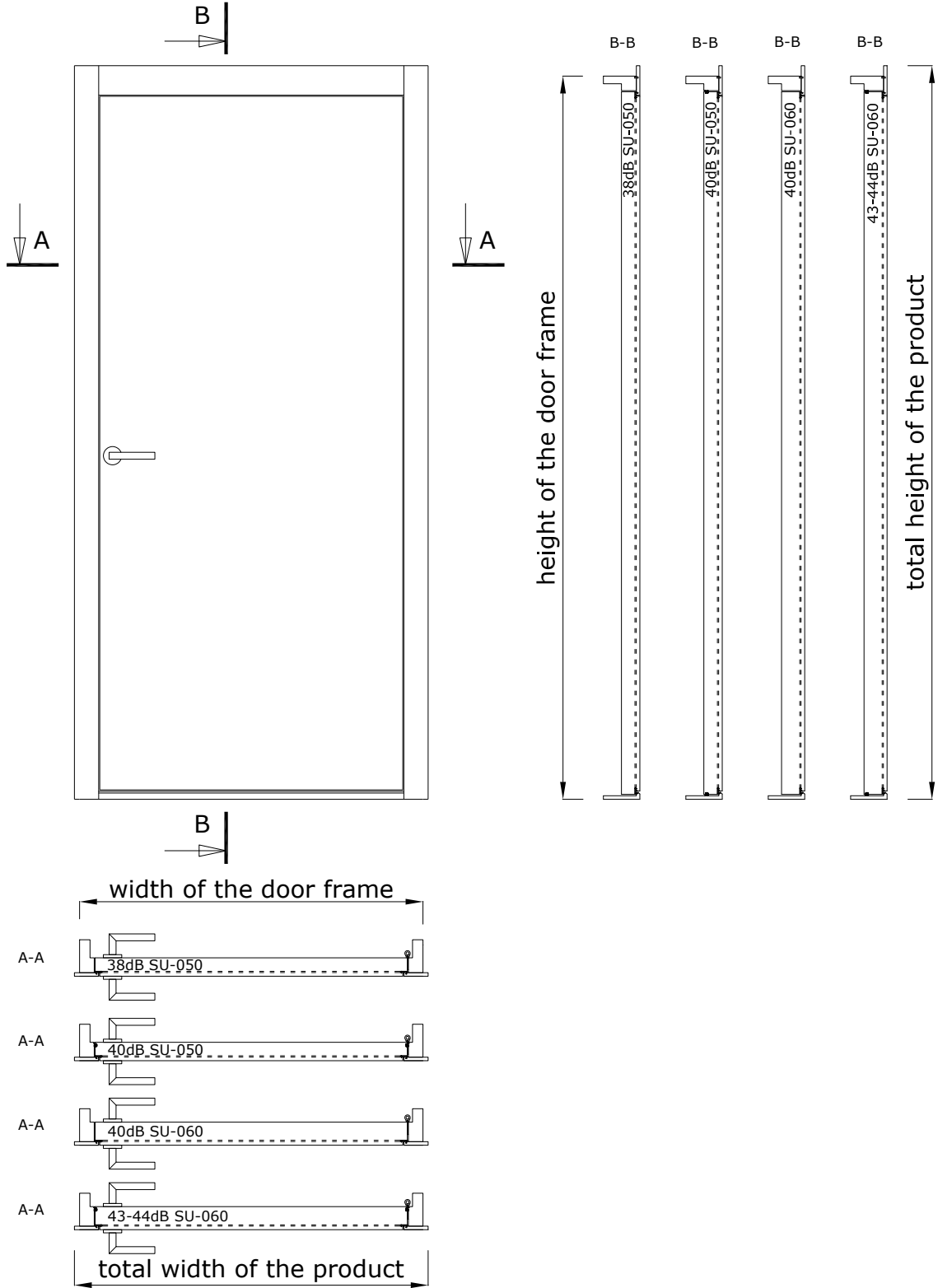The standard solution uses Abloy 3248 hinges. Other hinges can also be used (incl. hidden hinges).

Structures adjacent to the product must be strong enough to allow profiles to be attached to them.
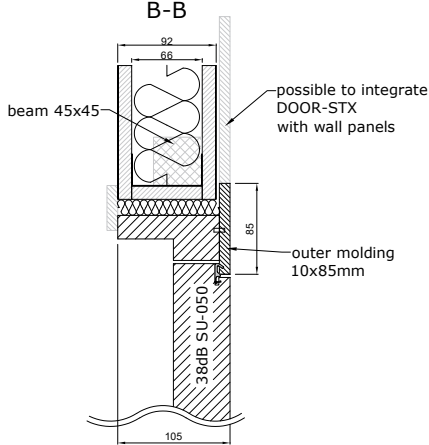
Soundproofing measured in laboratory (R_w) :

Rw = 38 dB (with SU-050 door panel and oak threshold)
Rw = 40 dB (with SU-050 door panel + additional seal and oak threshold)
Rw = 40 dB (with SU-060 door panel and oak threshold)
Rw = 43-44 dB (with SU-060 door panel + additional seal and oak threshold) Maximum dimensions of the door frame are 990 x 2090 mm for the 44dB SU-060.

DOOR-STX | WITH INWARDS OPENING DOOR

B

A

A

B

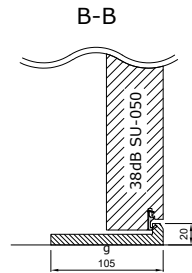B-B B-B B-B B-B

38dB SU-050 40dB SU-050 40dB SU-060 43-44dB SU-060

height of the door frame

total height of the product

width of the door frame

A-A 38dB SU-050

A-A 40dB SU-050

A-A 40dB SU-060

A-A 43-44dB SU-060

total width of the product

CONNECTION WITH CEILING (95MM DOOR FRAME)

B-B

- beam 45x45
- possible to integrate DOOR-STX with wall panels
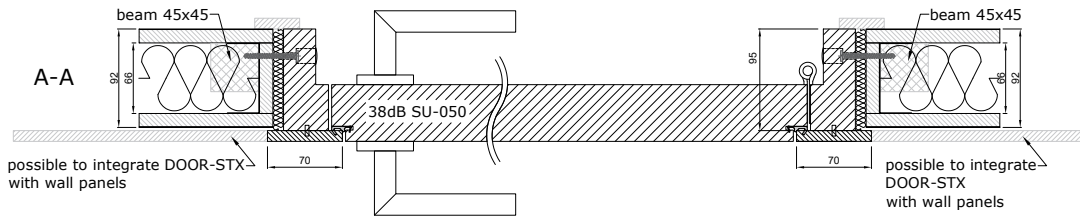- outer molding 10x85mm
- 38dB SU-050

92
66
85
105

g - glued connection
- QL3096, RAL9005 black, RAL9003 white, RAL7001 silver gray, RAL8017 bronze
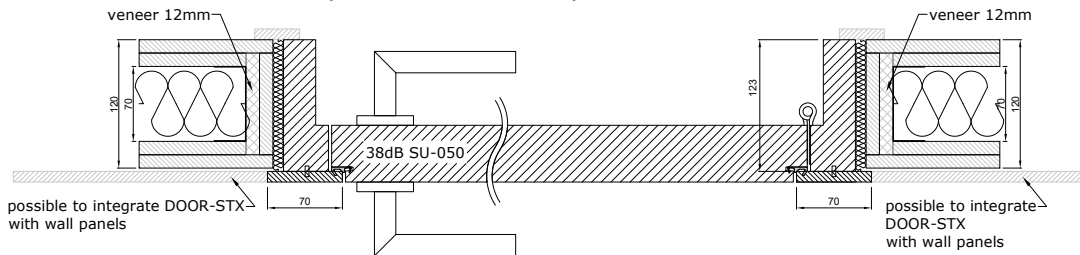- QL3094, RAL9005 black, RAL9003 white, RAL7001 silver gray, RAL8017 bronze

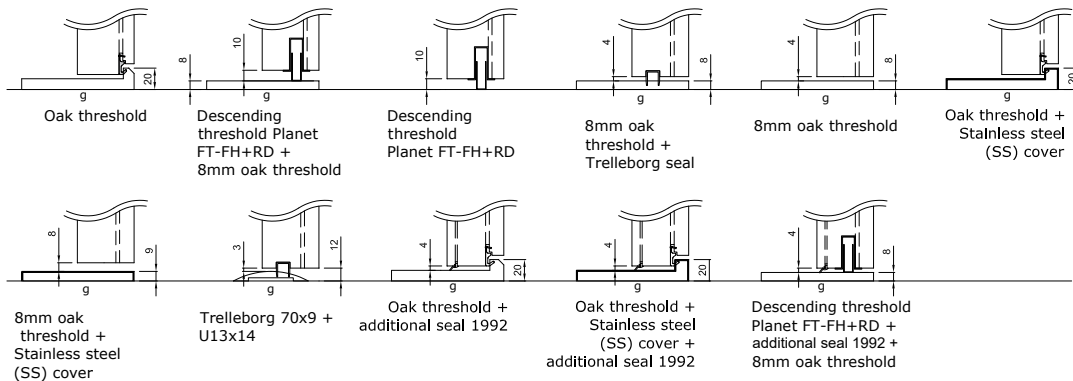**CONNECTION WITH FLOOR (95MM DOOR FRAME)**

B-B

- 38dB SU-050

20
105
g

CONNECTION WITH WALL (95MM DOOR FRAME)

A-A

- beam 45x45
- beam 45x45
- 38dB SU-050
- possible to integrate DOOR-STX with wall panels
- possible to integrate DOOR-STX with wall panels

92
66
95
70
70
66
92

CONNECTION WITH WALL (123MM DOOR FRAME)

- veneer 12mm
- veneer 12mm
- 38dB SU-050
- possible to integrate DOOR-STX with wall panels
- possible to integrate DOOR-STX with wall panels

120
70
123
70
120
70
70

INWARDS OPENING DOOR THRESHOLDS

Oak threshold

Descending threshold Planet FT-FH+RD + 8mm oak threshold

Descending threshold Planet FT-FH+RD

8mm oak threshold + Trelleborg seal

8mm oak threshold

Oak threshold + Stainless steel (SS) cover

8mm oak threshold + Stainless steel (SS) cover

Trelleborg 70x9 + U13x14

Oak threshold + additional seal 1992

Oak threshold + Stainless steel (SS) cover + additional seal 1992

Descending threshold Planet FT-FH+RD + additional seal 1992 + 8mm oak threshold

DOOR-STX | WITH OUTWARDS OPENING DOOR

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A SPATIAL WAY OF THINKING — QUALITY DESIGN FROM ESTONIA —

B

A

A

B

height of the door frame

B-B

B-B

38dB SU-050

40dB SU-050

40dB SU-060

43-44dB SU-060

total height of the product

width of the door frame

A-A 38dB SU-050

A-A 40dB SU-050

40dB SU-060

43-44dB SU-060

total width of the product

DOOR-STX | CONNECTION UNITS FOR OUTWARDS OPENING DOOR

CONNECTION WITH CEILING (95MM DOOR FRAME)

B-B

92
66

beam 45x45

possible to integrate DOOR-STX with wall panels
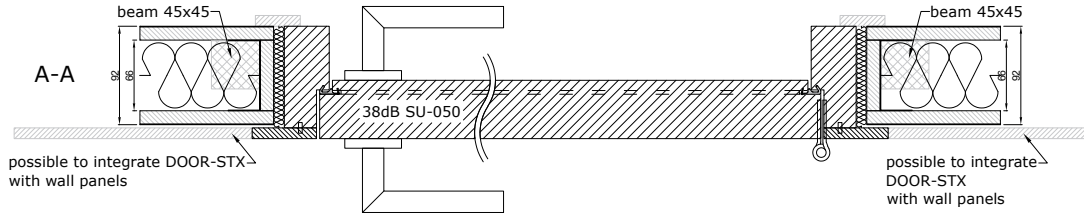
60

outer molding 10x60mm

38dB SU-050

105

g - glued connection
- QL3096, RAL9005 black, RAL9003 white, RAL7001 silver gray, RAL8017 bronze
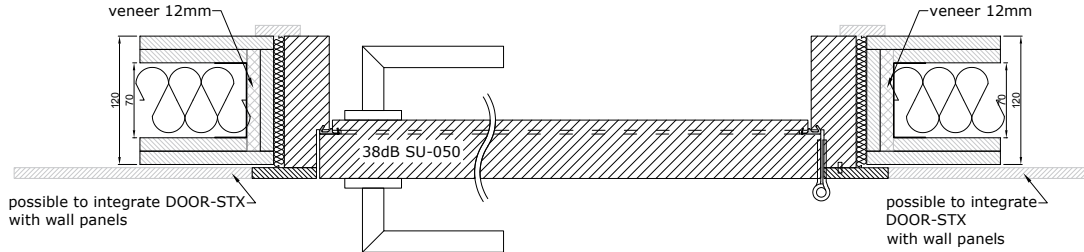- QL3094, RAL9005 black, RAL9003 white, RAL7001 silver gray, RAL8017 bronze
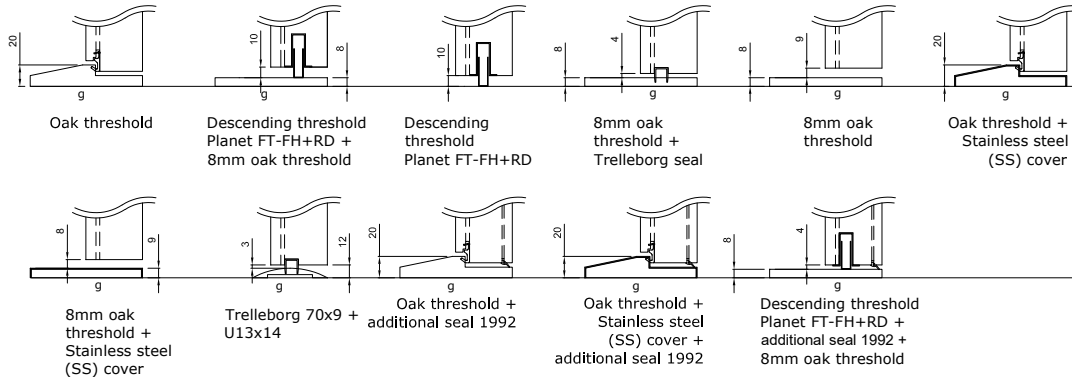
CONNECTION WITH FLOOR (95MM DOOR FRAME)

B-B

38dB SU-050

20

g
105

CONNECTION WITH WALL (95MM DOOR FRAME)

A-A

beam 45x45

92
66

38dB SU-050

beam 45x45

92
66

possible to integrate DOOR-STX with wall panels

possible to integrate DOOR-STX with wall panels

CONNECTION WITH WALL (123MM DOOR FRAME)

veneer 12mm

120
70

38dB SU-050

veneer 12mm

120
70

possible to integrate DOOR-STX with wall panels

possible to integrate DOOR-STX with wall panels

OUTWARDS OPENING DOOR THRESHOLDS

20

g

Oak threshold

10

8

g

Descending threshold Planet FT-FH+RD + 8mm oak threshold

10

g

Descending threshold Planet FT-FH+RD

8

4

g

8mm oak threshold + Trelleborg seal

8

9

g

8mm oak threshold

20

g

Oak threshold + Stainless steel (SS) cover

8

9

g

8mm oak threshold + Stainless steel (SS) cover

3

12

g

Trelleborg 70x9 + U13x14

20

g

Oak threshold + additional seal 1992

20

g

Oak threshold + Stainless steel (SS) cover + additional seal 1992

8

4

g

Descending threshold Planet FT-FH+RD + additional seal 1992 + 8mm oak threshold

DOOR-STX | DOOR PANELS WITH GLASS OPENINGS

G01

140   b   140

140 | a | 140

height of the door panel

width of the door panel
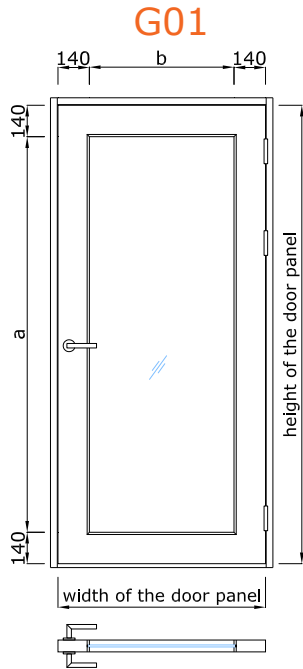
a = height of the door panel - 280mm
b = width of the door panel - 280mm

G03

140   b   140

140 | a | 150 | a | 140
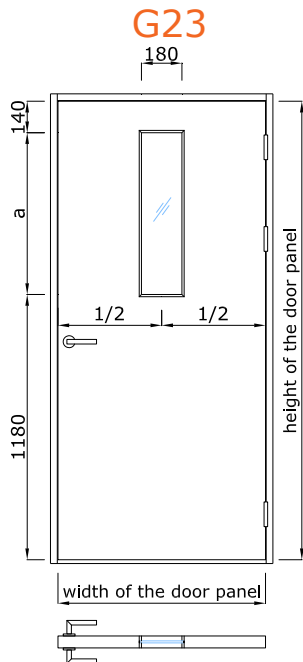
height of the door panel

width of the door panel
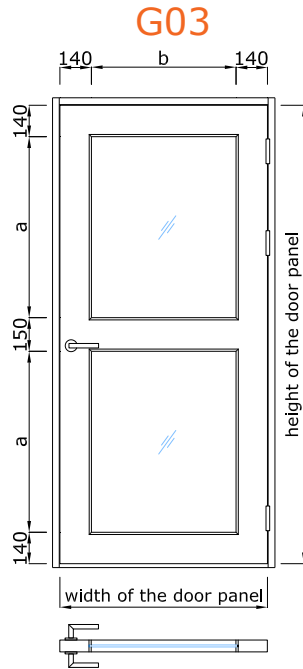
a = (height of the door panel - 430mm) / 2
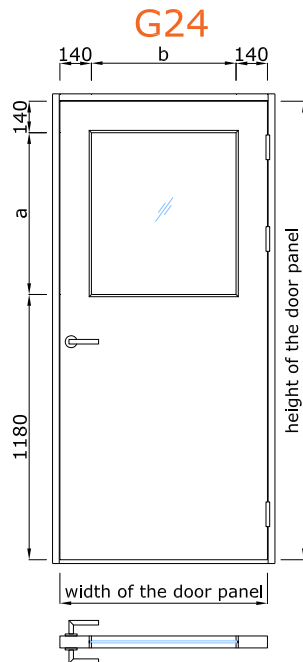b = width of the door panel - 280mm

G21

140   b   140

140 | a | 1095

height of the door panel

width of the door panel
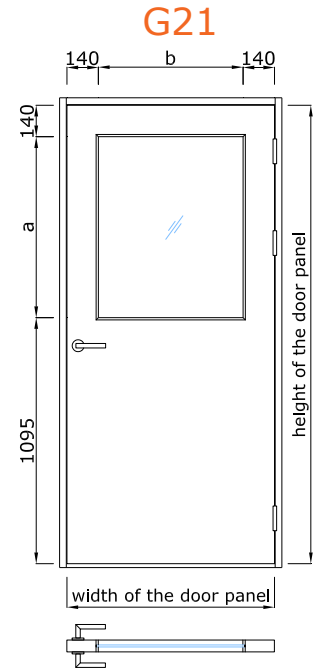
a = height of the door panel - 1235mm
b = width of the door panel - 280mm

G23

180

140 | a | 1180

1/2   1/2

height of the door panel

width of the door panel

a = height of the door panel - 1320mm

G24

140   b   140

140 | a | 1180

height of the door panel

width of the door panel

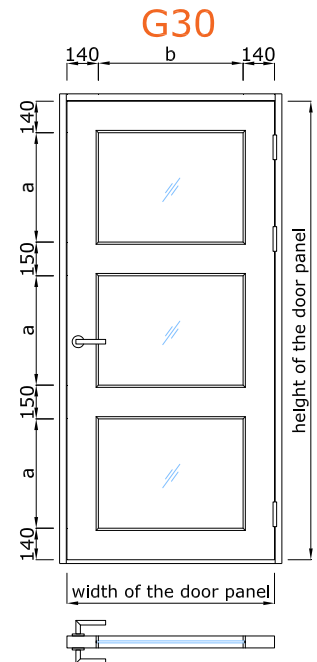a = height of the door panel - 1320mm
b = width of the door panel - 280mm

G30

140   b   140

140 | a | 150 | a | 150 | a | 140

height of the door panel

width of the door panel

a = (height of the door panel - 580mm) / 3
b = width of the door panel - 280mm

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