RYTERNA Entry

Entrance Doors

RD40

ww.ryternaentry.com

RYTERNA

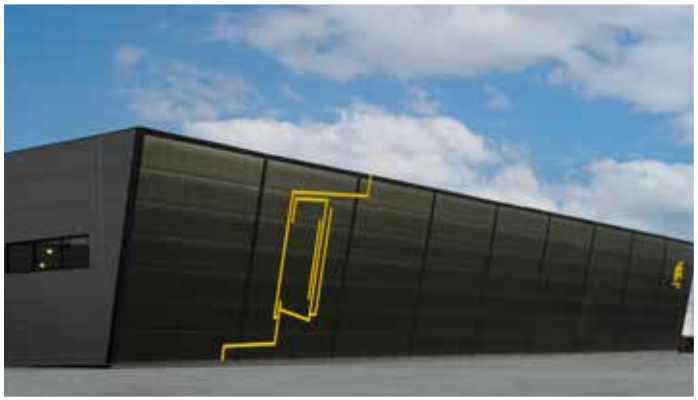


Table of **Contents**

About us 4

Door type RD40 6

- Standard structure RAL colours 8
- Features 10
- Frame types 12
- Threshold types and specifications 13
- Specifications 20
- Locks and handles 21
- Glazing 23
- Accessories 23

About **us**

"Ryterna Entry" is a part of the "Ryterna Group" who have been manufacturing doors since 1993. With authorised dealers all over Europe and our own transport fleet we can provide the shortest possible lead times. "Ryterna" entrance doors are manufactured in a new efficient factory located in Kaunas, Lithuania. Sustainability in manufacture combined with the thermal performance of our products is central to our growth philosophy. We constantly seek for morally responsible and environmentally cleaner ways to improve in all areas of business.

www.ryternaentry.com

www.ryternaentry.doorconfigurator.com

Door type **RD40**
Outside colour **RAL 8029**
Handle **Black (BL)**

Door type **RD40**
Outside colour **RAL 9005**
Handle **Black (BL)**

Door type RD**40**

Made of 1 mm galvanized steel skin filled with PU that forms firm and durable construction.

- Double galvanized steel skin filled with PU foam door leaf
- Double sealing
- Tested at 200 000 open-close cycles

1.3 W/m²K*
Thermal transmittance U value

2
Air permeability

4A
Water tightness

3
Resistance to wind load, test pressure

C
Resistance to wind load, frame deflection

INSTITUTE OF ARCHITECTURE AND CONSTRUCTION OF KAUNAS UNIVERSITY OF TECHNOLOGY
BUILDING PHYSICS LABORATORY
Notified Body number: 2018

LIETUVOS NACIONALINIS AKREDITACIJOS BIURAS

CALCULATION REPORT No. 095 SF/20 U (S)
Date: 01 of July 2020

page (pages) 1 (12)

Determination of thermal transmittance of door
(test title)

Calculation methods: LST EN ISO 10077-1:2017 Thermal performance of windows, doors and shutters – Calculation of thermal transmittance – Part 1: General (ISO 10077-1:2017) and LST EN ISO 10077-2:2017 Thermal performance of windows, doors and shutters – Calculation of thermal transmittance – Part 2: Numerical method for frames (ISO 10077-2:2017)
(number of normative document of calculation method, description of calculation procedure)

Specimen description: **External steel door. System: RD 40 Ryterna Entry**. Measurements: height 2000 mm; width 900 mm.
Frame. 1,5 mm steel sheet. Frame is insulated with PU "Elastopor H1241/43-B". Threshold is insulated with spray mounting foam "Makroflex" (λ = 0,036 W/(m·K)). 14 Frame fixing plates made of 3 mm thick 75 mm wide galvanized steel are used around the entire perimeter of the frame.
Door leaf. Inside and outside door leaf is made of 1,0 mm steel sheet. Door leaf is filled with 46 mm PU "Elastopor H1241/43-B".
Gaskets: 2 contours with D-profile EPDM gaskets.
Opening outwards.
PVC lock box.
(name, description and identification details of a specimen)

Customer: UAB „RYTERNA ENTRY", Ryternos g. 4, Biruliškių km., LT-54469 Kauno raj.
(name and address)

Manufacturer: UAB „RYTERNA ENTRY", Ryternos g. 4, Biruliškių km., LT-54469 Kauno raj.
(name and address)

Calculation results:

Name of the indicator and unit	Calculation method reference no.	Calculation result
Thermal transmittance of door, U_f, W/(m²·K)	LST EN ISO 10077-1 LST EN ISO 10077-2	1,3

Calculated at: Building Physics Laboratory, Institute of Architecture and Construction of Kaunas University of Technology
(name of the test laboratory)

Specimen delivery date: 2022-06-19
Date of calculating: 2022-07-01

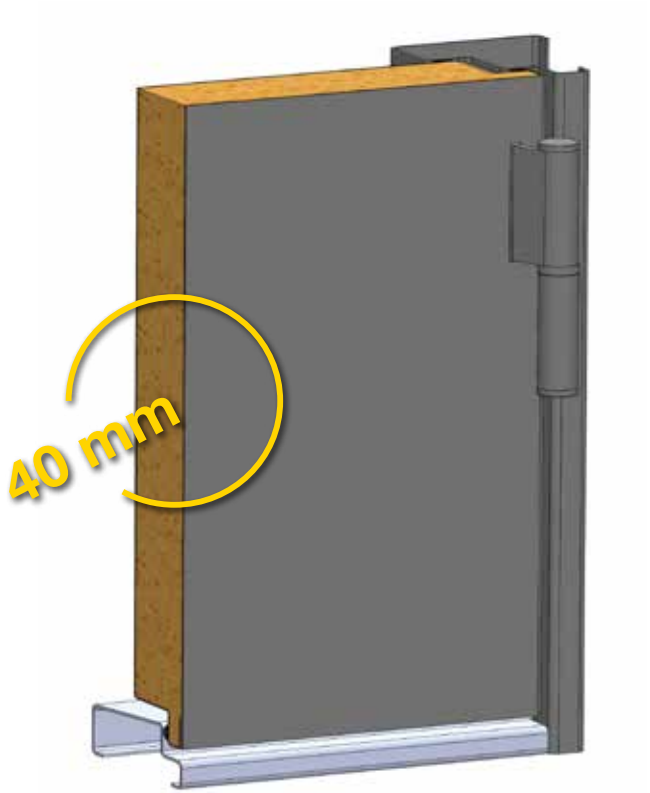
Additional information: Application, drawing.
(any deviations, exceptions and any information related with particular calculation)

Annexes: Annex 1. Specimen data.
Annex 2. Calculation data according to LST EN ISO 10077-2.
Annex 3. Calculation data according to LST EN ISO 10077-1.

Head of laboratory:
(approves the calculation results)
Calculated by:
(technically responsible for calculation)
(n., surname)

Validity – the named data and results refer to the specimen described specimens.
Notes on publication – no part of this document may be published or reproduced in another language without the prior written consent of the Building Physics Laboratory.

Tunelio g. 60, LT - 44405 Kaunas, Lithuania (tel. +370 37 350799);
Web site: www.ktu.lt/asi ; E-mail: statybine-fizika@ktu.lt



Doors are made to measure:

STD:

890 x 1990
890 x 2090
990 x 1990
990 x 2090

On request:

Width 700 ÷ 1150
Height 1700 ÷ 2250

All doors are factory framed.
Prices are for full door-sets.
All dimensions are specified for overall frame sizes.
Depicted images are for illustration only. Actual product may vary due to constant enhancement.
Ryterna reserves right to change specifications at any time and without prior warning.

Door type **RD40 HOME**
Outside colour **Golden Oak**
Handle **HLA**
Applique **Brushed aluminium appliqué**

Standard structure RAL colours

Structure painting (**STR**)

RAL 5010 STR

RAL 7016 STR

RAL 8017 STR

RAL 9002 STR

RAL 9006 STR

RAL 9016 STR

Door type **RD40**
Outside colour **RAL 9006**
Handle **Black (BL)**

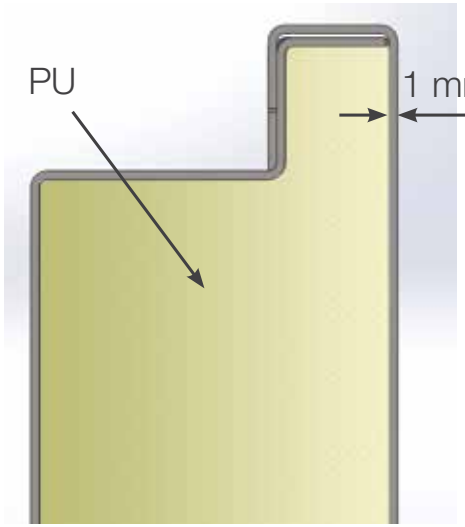
Features

Entrance doors are made of 1 mm galvanized steel skin filled with PU that forms firm and durable construction.

Door Leaf Structure

1 Polyurethane foam
2 Cold rolled steel
3 Hot dip galvanisation
4 Chemical treatment
5 Powder paint

U-value up to 1,3 W/M²K



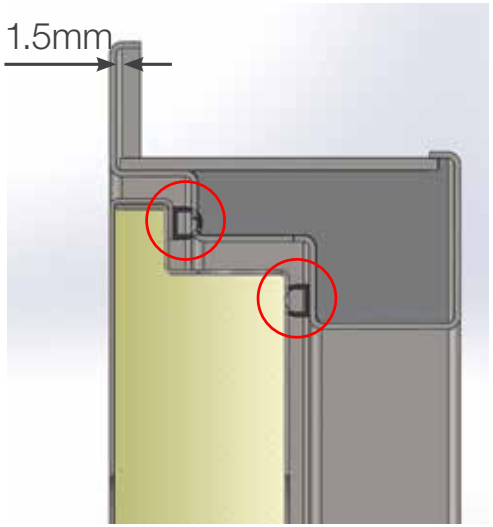
Corrosian protected 1 mm skins linked together, with 40mm PU insulation and forms solid "sandwich panel".

6 **STD** RAL STRUCTURE colours.

Painting available upon request.

Only structure painting.

3 pcs, adjustable hinges with bearing ensure long – life, smooth and quiet operation.



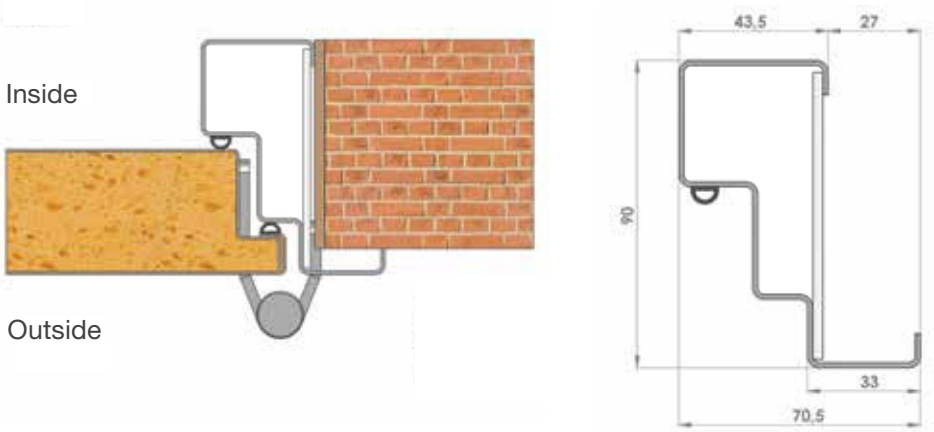
Double sealing around all the perimeter provides excellent thermal insulation and water resistance.

Door frame made of 1.5 mm thickness galvanized steel.

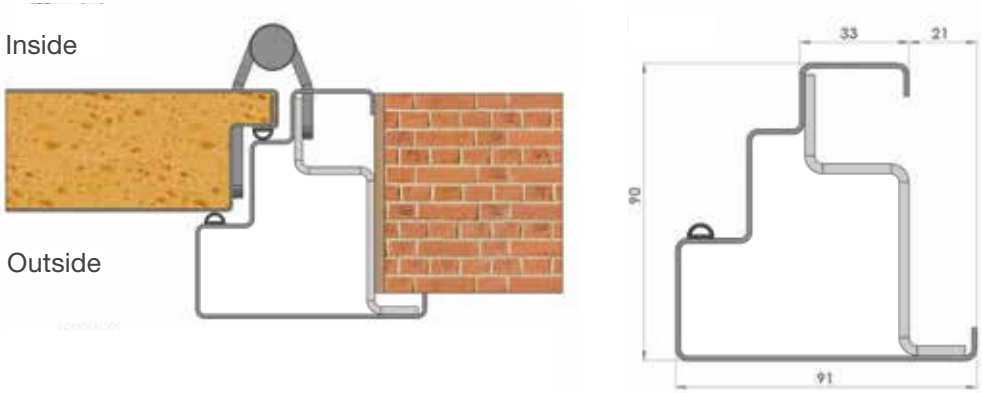
Door type **RD40**
Outside colour **RAL 5010**
Handle **Black (BL)**

Frame types

MITRED FRAME WITH MOULDINGS, OPEN TO OUTSIDE **(MO)**



MITRED FRAME WITH MOULDINGS, OPEN TO INSIDE **(MI)**



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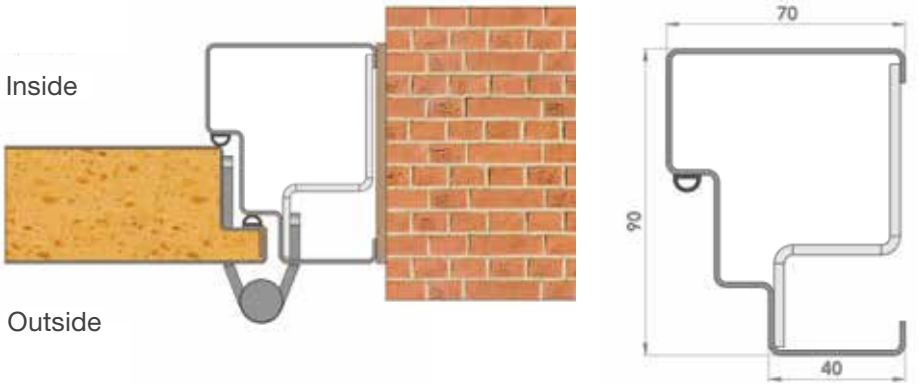

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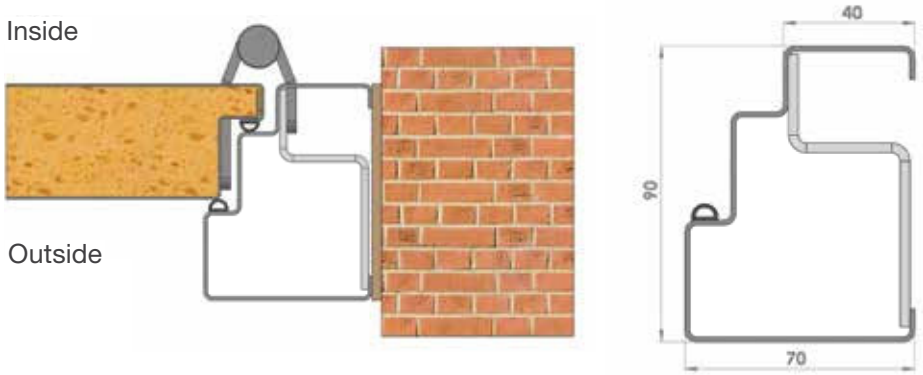
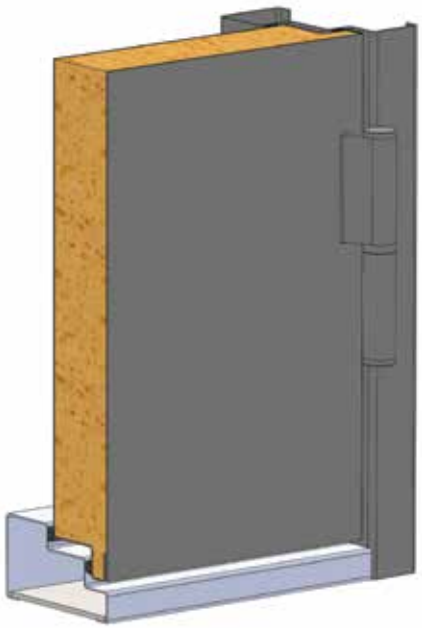
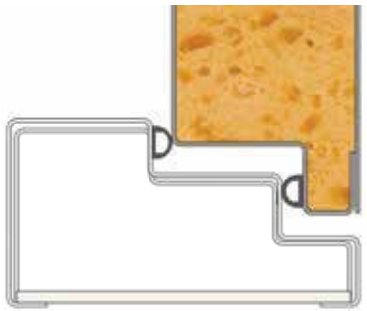


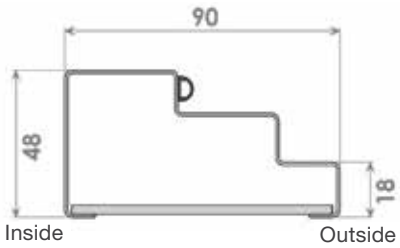
Threshold types and specifications

DOUBLE SEALING THRESHOLD, OPEN TO OUTSIDE **(OD)**



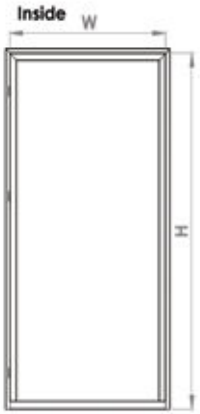
MO-OD

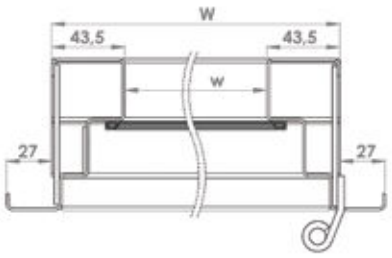


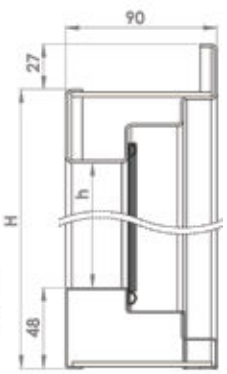


OFS & DAYLIGHT OPENING

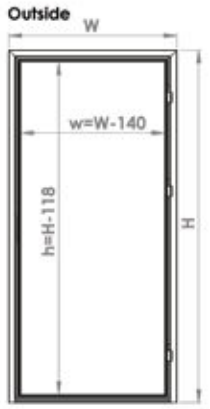
MO frame

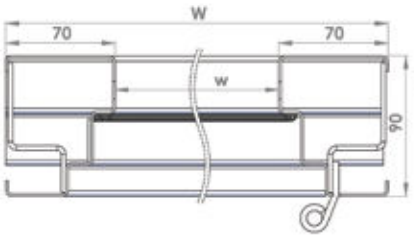


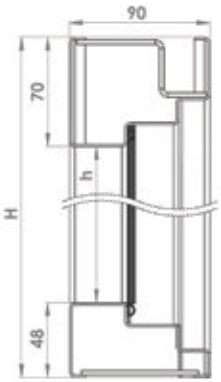




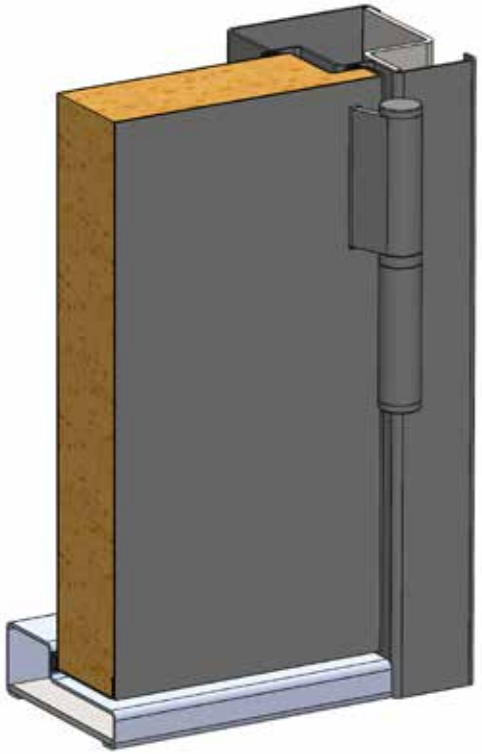
LO frame



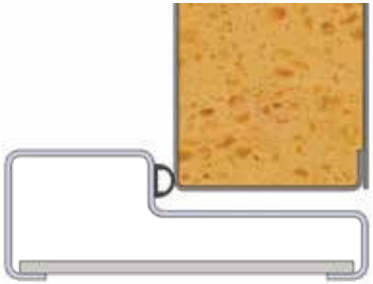


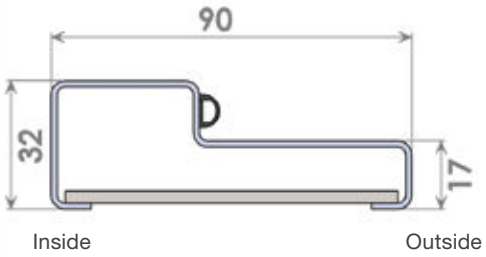


SINGLE SEALING THRESHOLD, OPEN TO OUTSIDE **(OS)**

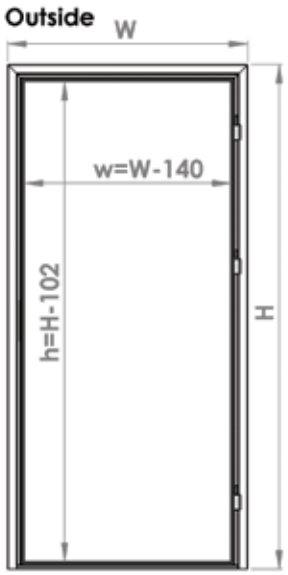


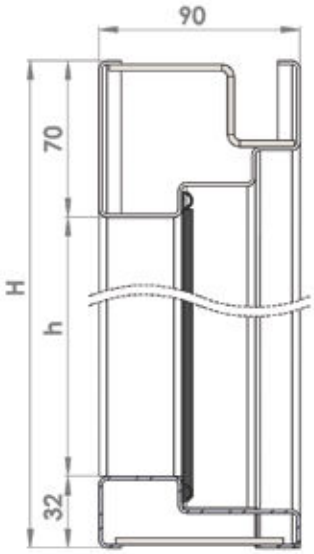
LO-OS

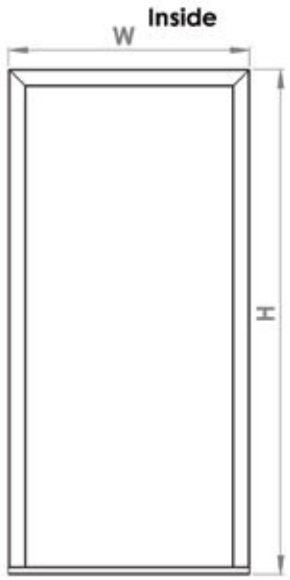


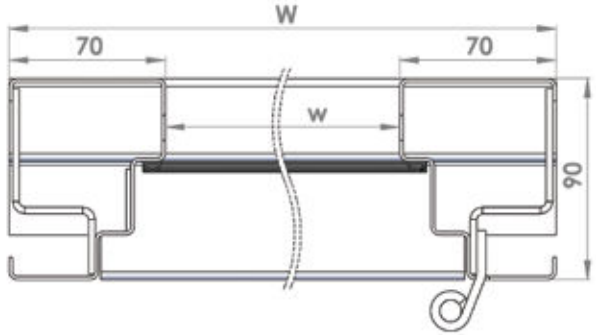


OFS & DAYLIGHT OPENING

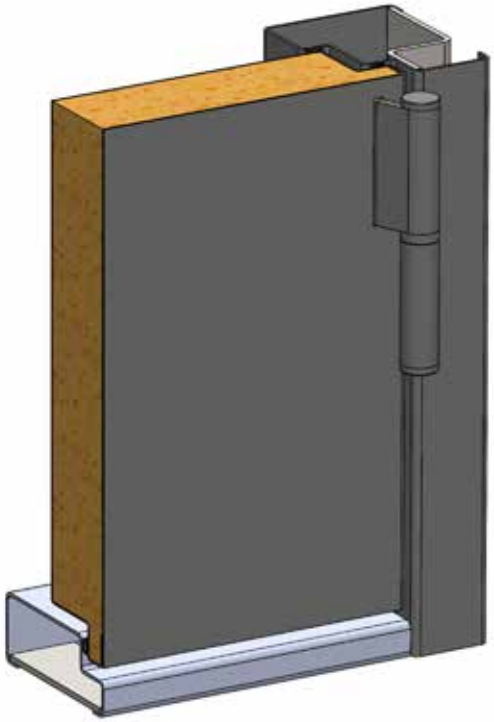




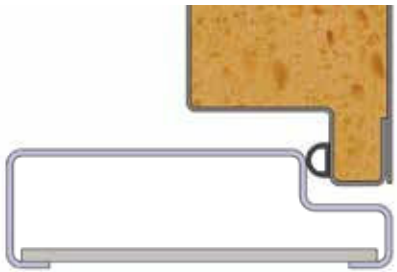


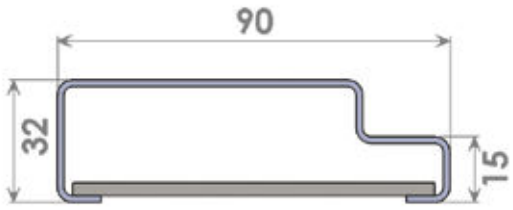


SINGLE SEALING THRESHOLD, OPEN TO OUTSIDE **(OS2)**

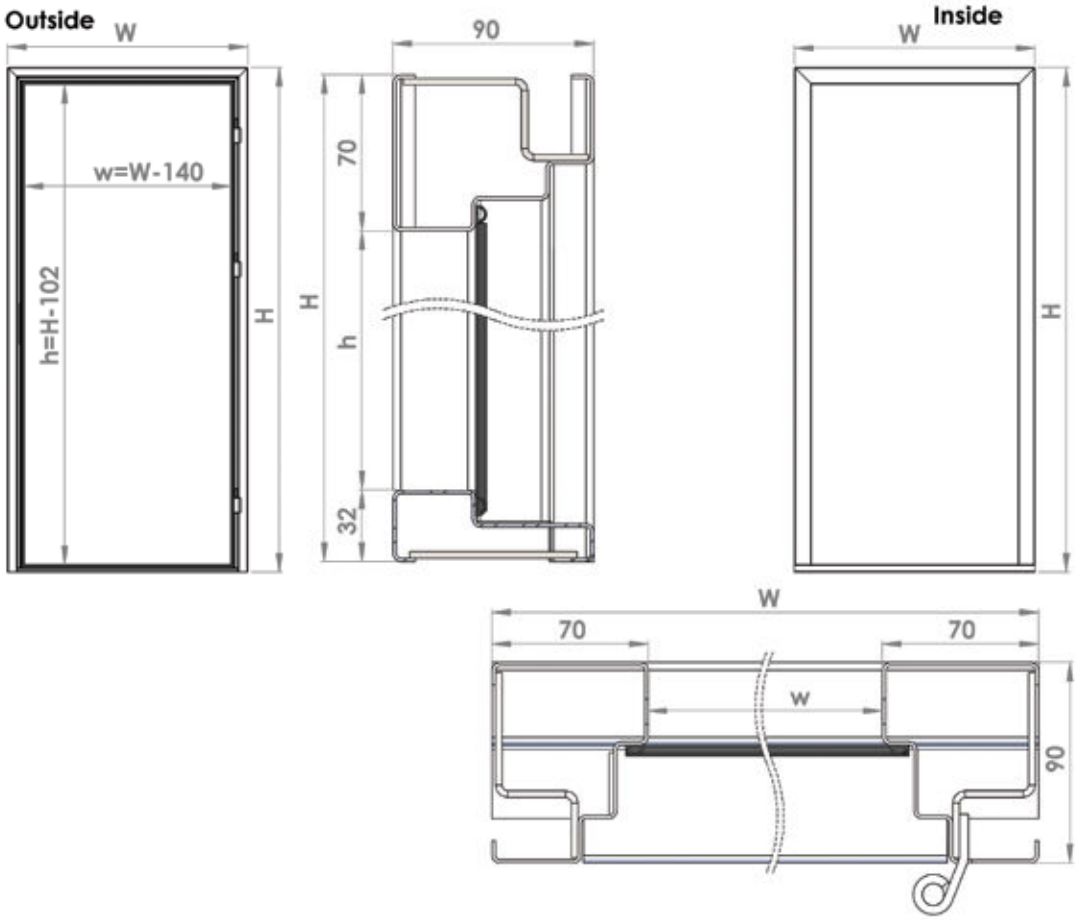


LO-OS2

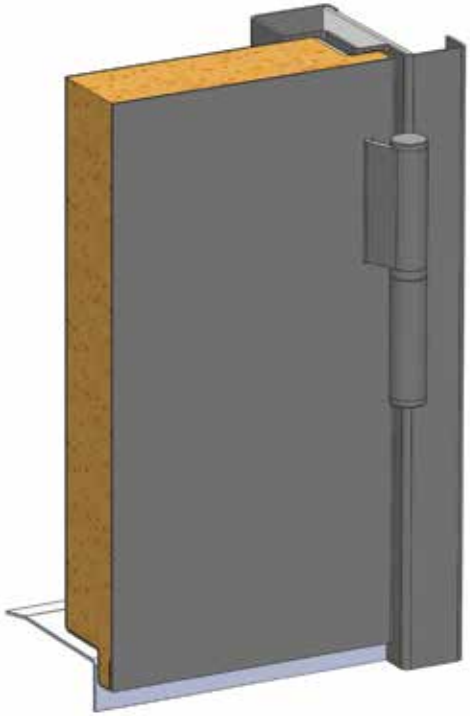




OFS & DAYLIGHT OPENING



MITRED FRAME WITH MOULDINGS, OPEN TO OUTSIDE **(OL)**



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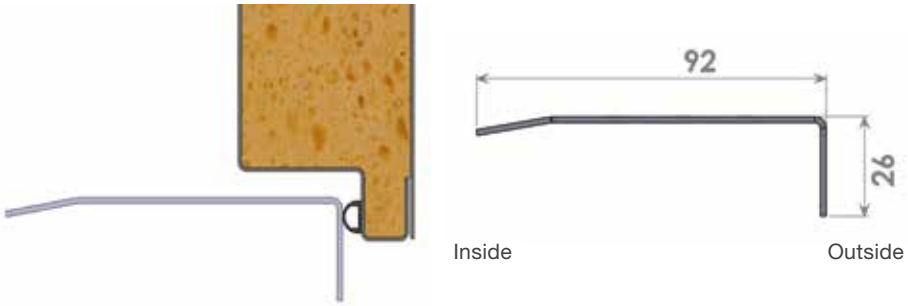
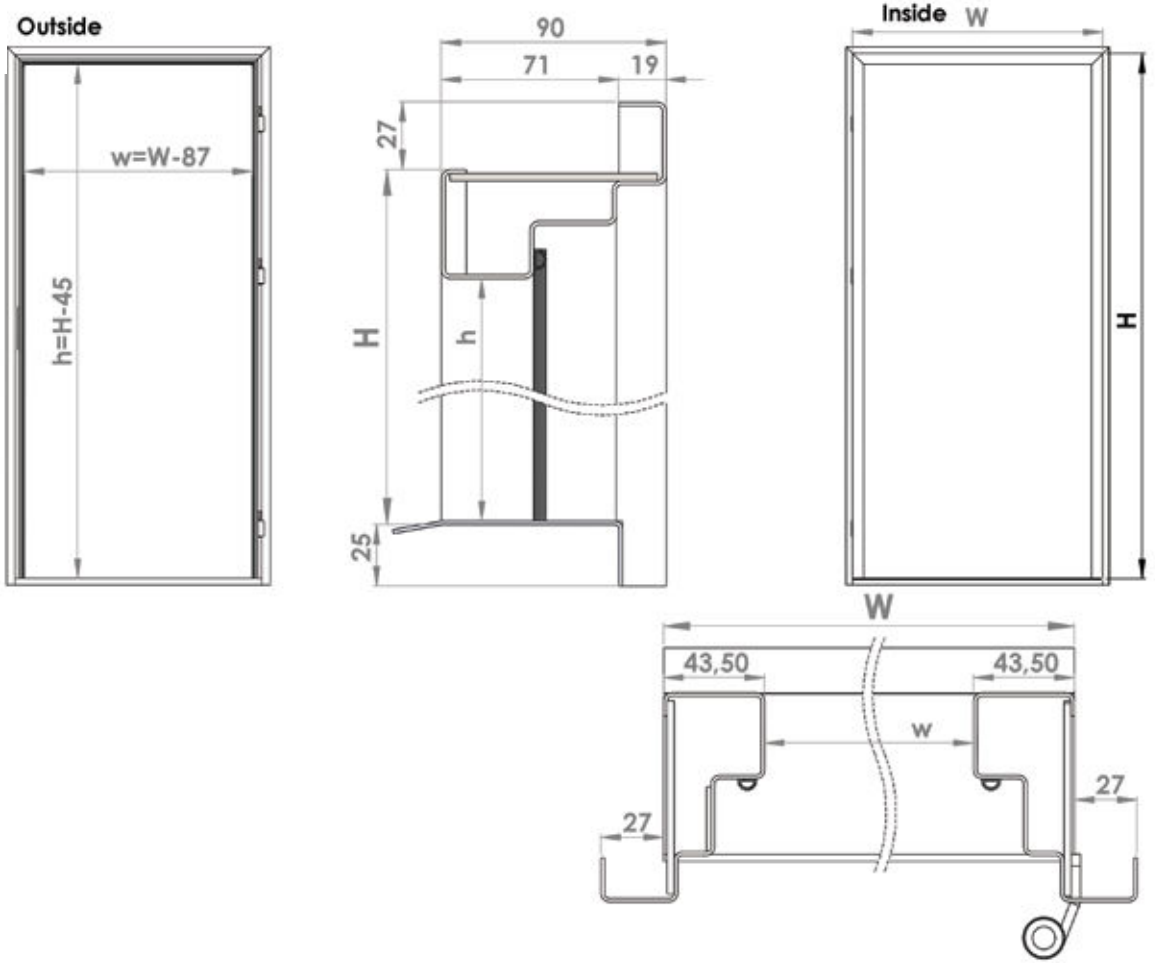
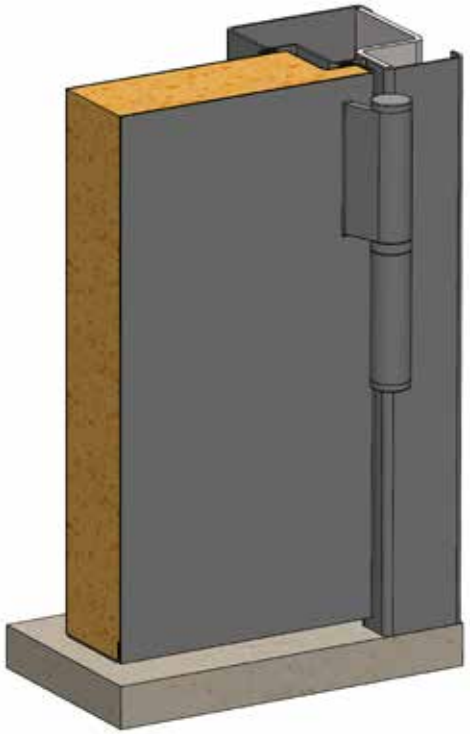


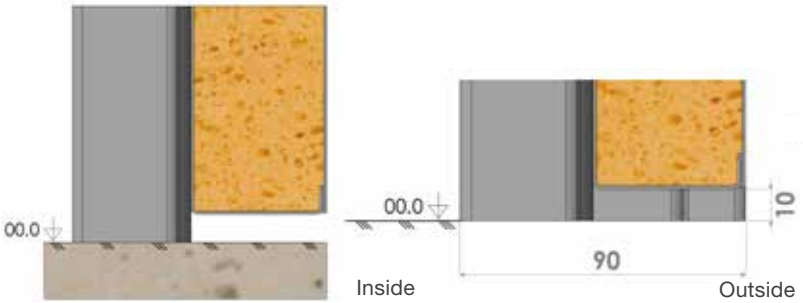
OFS & DAYLIGHT OPENING



WITHOUT THRESHOLD, OPEN TO OUTSIDE **(OW)**

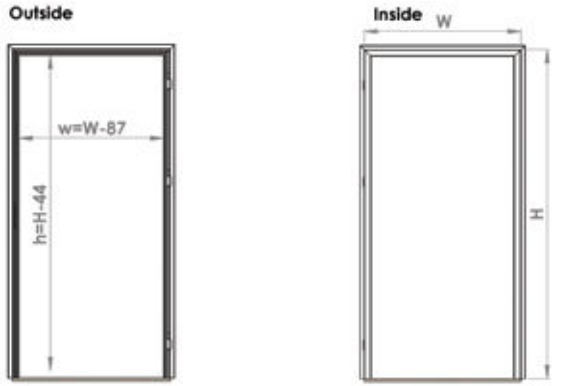


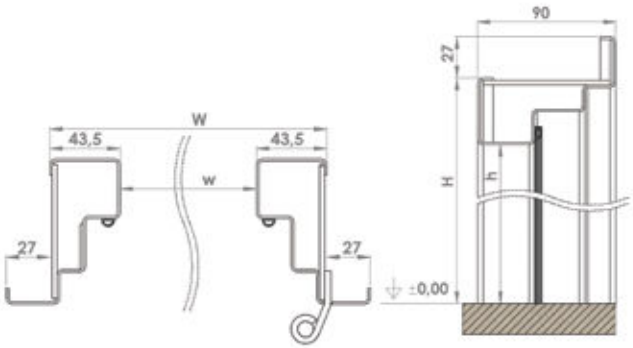
LO-OW



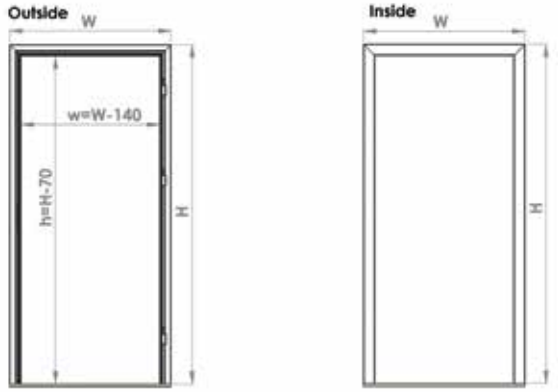
OFS & DAYLIGHT OPENING

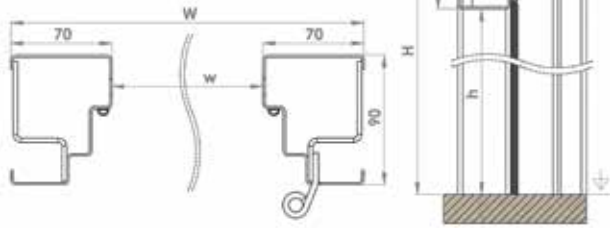
MO frame



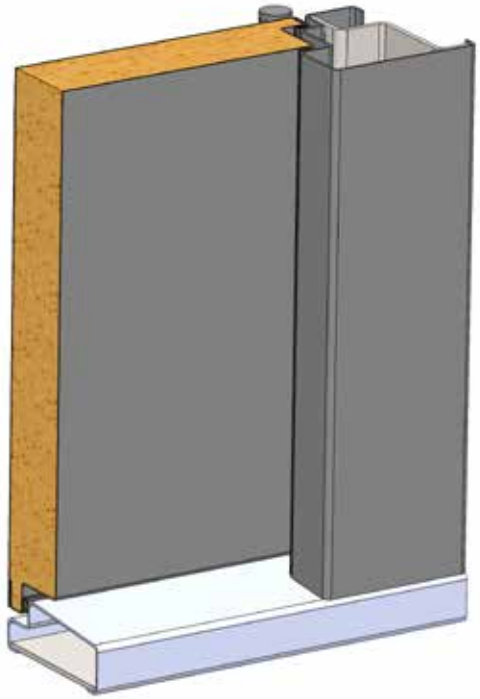


LO frame

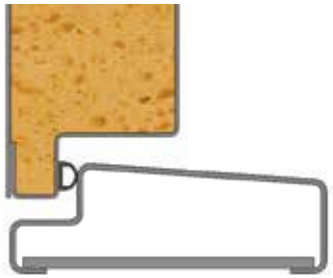


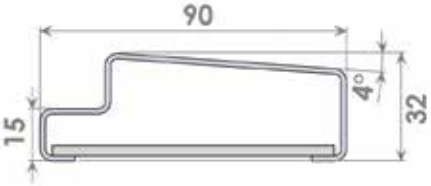


SINGLE SEALING ANGLED THRESHOLD, OPEN TO INSIDE **(IS)**



LI-IS

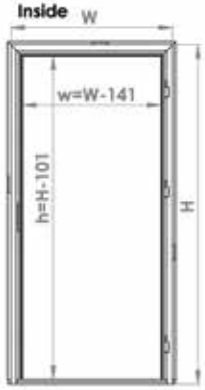


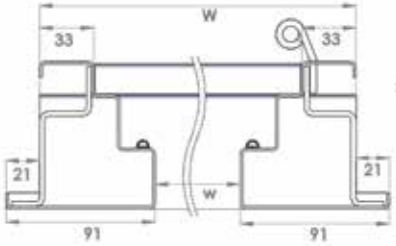


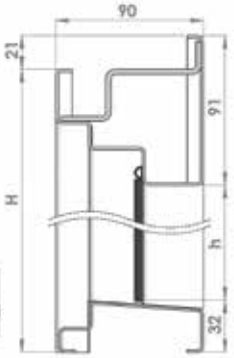
Inside Outside

OFS & DAYLIGHT OPENING

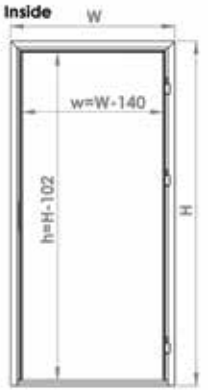
MI frame

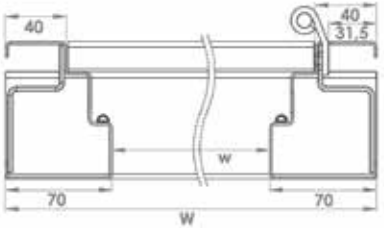


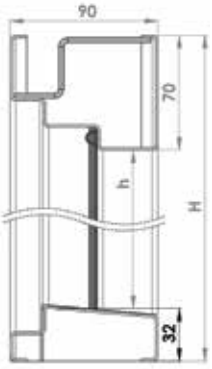




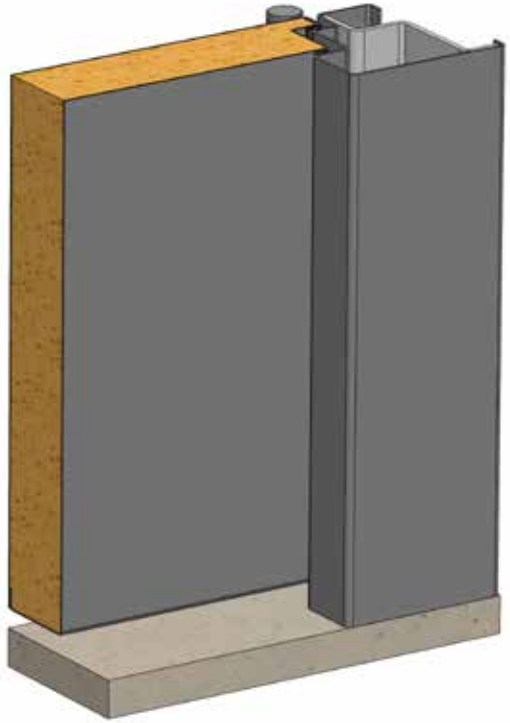
LI frame



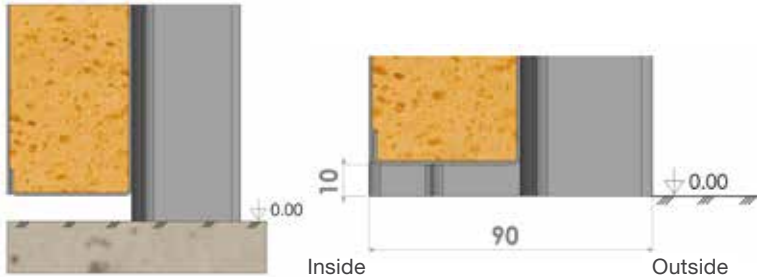




WITHOUT THRESHOLD, OPEN TO INSIDE **(IW)**

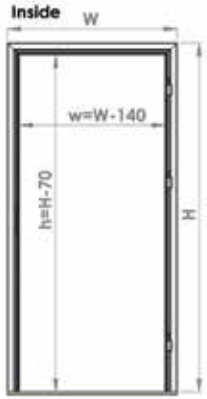


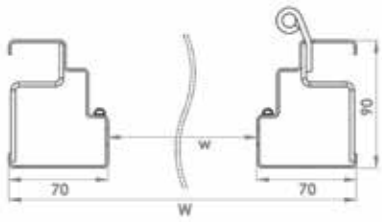
LI-IW

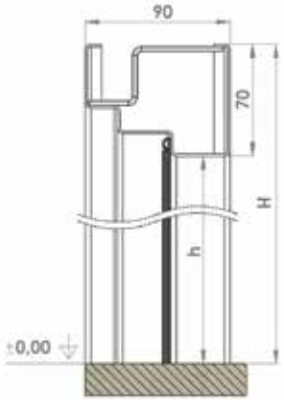


OFS & DAYLIGHT OPENING

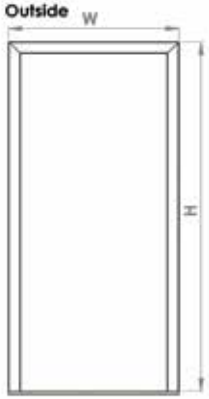
MI frame

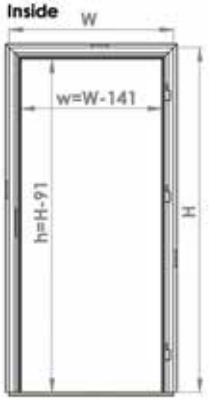


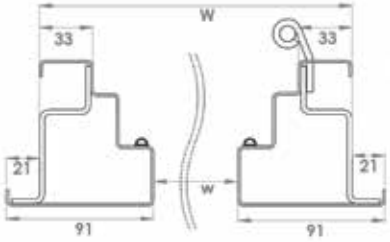


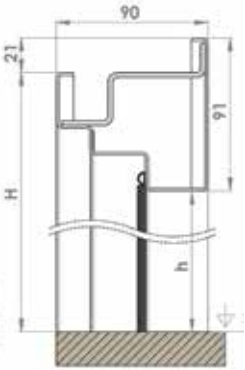


LI frame



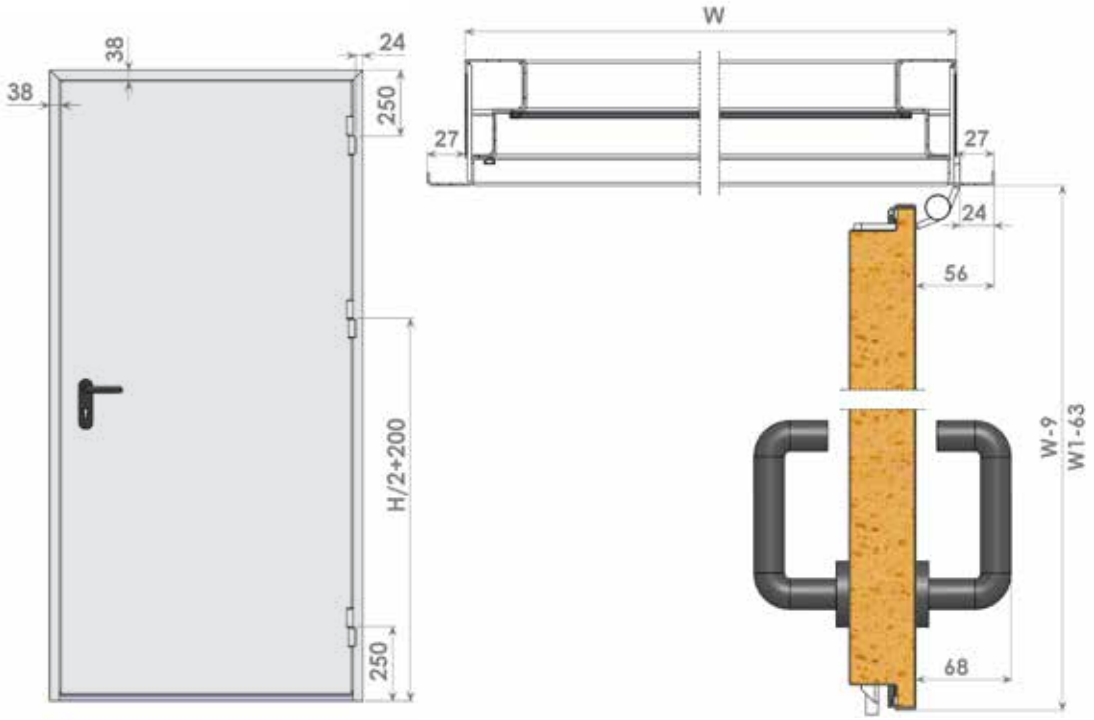




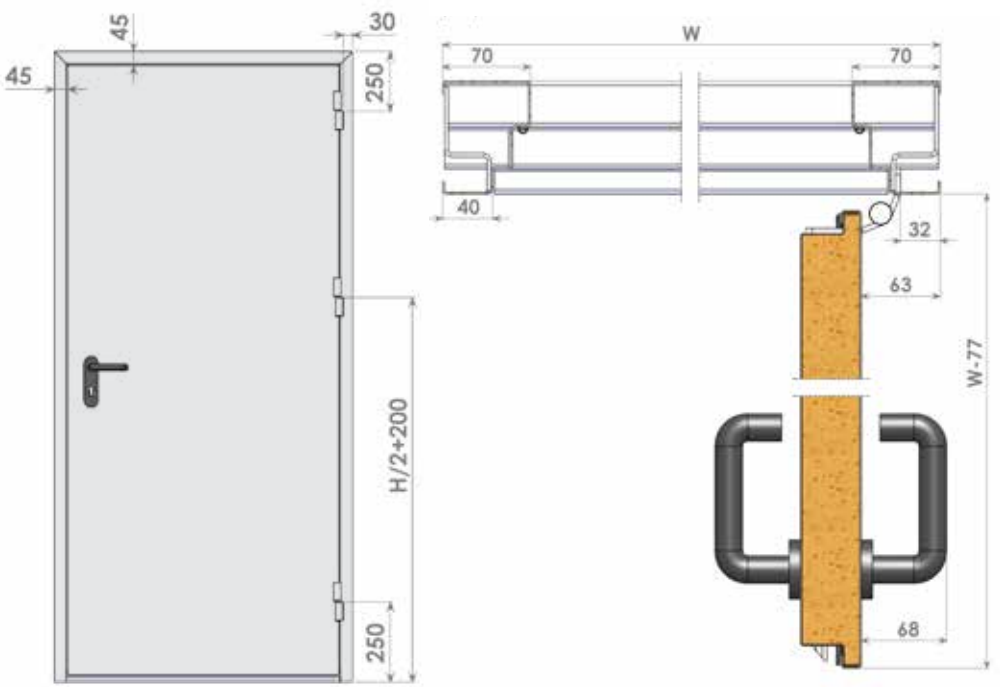


Specifications

MO OPEN LEAF 90°



LO OPEN LEAF 90°



Locks and handles

L1P
Lock
STD

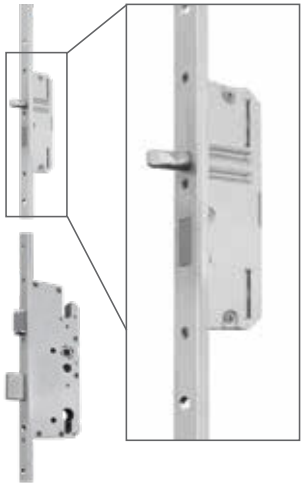
BL
Black lever handle
STD

GR
Grey lever handle
STD

ST
Stainless steel
lever handle

SSK
Stainless steel
knob handle

CWD
Lock cylinder
STD



C3P
Multi-point lock

D&N+EM

HL
White
lever handle

HK
White
knob handle

HLA
Aluminium
lever handle

CWF
Lock cylinder

LC 100
Lock

565
Lock

AS
Lever handle

CWE
Lock cylinder

APL
Lock

SSK
Stainless steel
knob handle

APLH
Anti-panic
handle

CWAP
Lock cylinder

Door type **RD40**
Outside colour **RAL 1012**
Handle **Black (BL)**
Glazing **S100**

Glazing

S200
Square glazing
200x200 mm

S350
Square glazing
350x350 mm

S100
Rectangular glazing
100x700 mm

S500
Rectangular glazing
500x700 mm

Accessories

Ventilation grille

Spyhole

Door closer
GEZE

PL201
Padlock staple

KP1
Keypad

matching

RYTERNA Entry

GARAGE DOORS

FRONT DOORS

GATES & FENCES

It’s never been easier to get a unique matching design. Front and garage door, aluminium gate and fence from one manufacturer.
Same design, same colour, same accents - hassle-free.

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2024.06.01 | **EN**