RYTERNA Entry

Technical Doors

RD40

www.ryternaentry.com









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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.

ryternaentry.com

configurator.ryternaentry.com



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

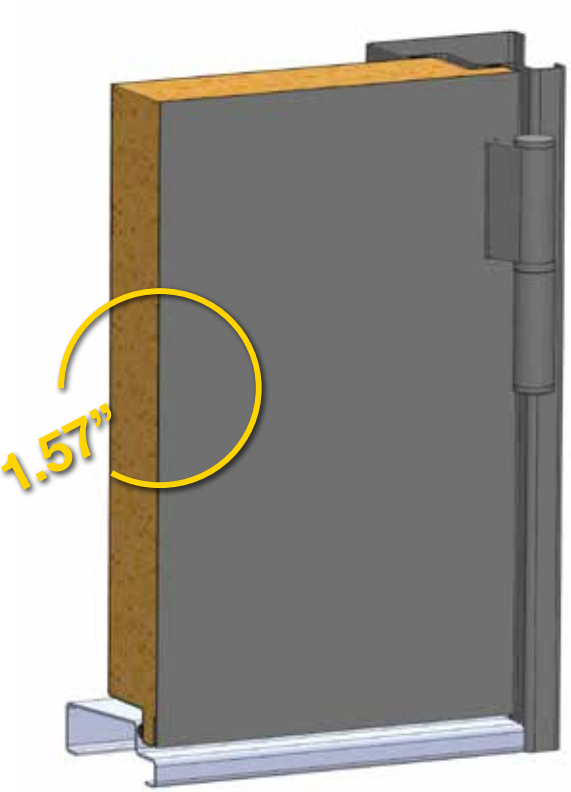


Door type **RD40**
Outside colour **RAL 9005**
Handle **Black (BL)**

Door type RD**40**

Made of 0.04” 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/m²·K*
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

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

Determination of thermal transmittance of door

page: (pages)
1 (12)

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 10077-2:2012)

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-P”. 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-P”.
Gaskets: 2 contours with D-profile EPDM gaskets.
Opening onwards.
PVC lock box.

Customer: UAB „RYTERNA ENTRY“, Rytenos g. 4, Birutiškių km., LT-54469 Kauno raj.
Manufacturer: UAB „RYTERNA ENTRY“, Rytenos g. 4, Birutiškių km., LT-54469 Kauno raj.

Calculation results:

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

Calculated at: Building Physics Laboratory, Institute of Architecture and Construction of Kaunas University of Technology
Specimen delivery date: 2022-06-19
Additional information: Application, drawing
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.
Date of calculating: 2022-07-01
Head of laboratory:
Calculated by:

Validity – the named data and results refer exclusively to the specimen tested. Notes on publication – no part of this document may be reproduced, excerpted experiments, translated to another language without the prior written consent of the laboratory.

Tunelių g. 60, LT – 44408 Kaunas, Lithuania (tel. +370 37 350799);
Web site: www.ktu.lt/ml; E-mail: [illegible]

Doors are made to measure:

STD:

35.04” × 78.35”
35.04” × 82.28”
38.98” × 78.35”
38.98” × 82.28”

On request:

Width 27.56” ÷ 45.28”
Height 66.93” ÷ 88.58”

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

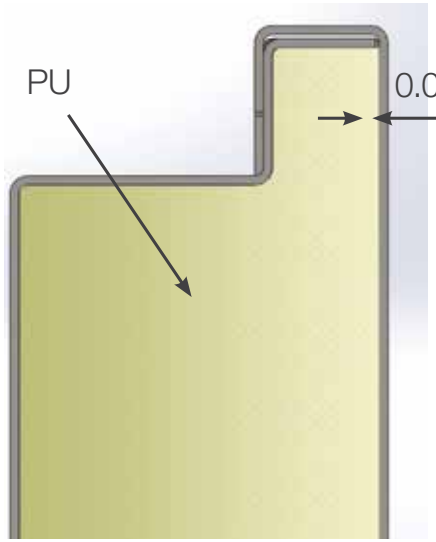
Entrance doors are made of 0.04” galvanized steel skin filled with PU that forms firm and durable construction.



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/m²·K



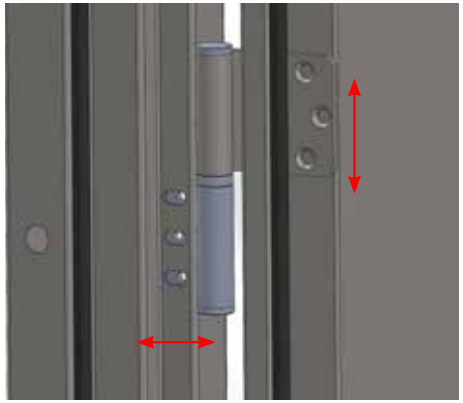
Corrosian protected 0.04” skins linked together, with 1.57” PU insulation and forms solid “sandwich panel”.



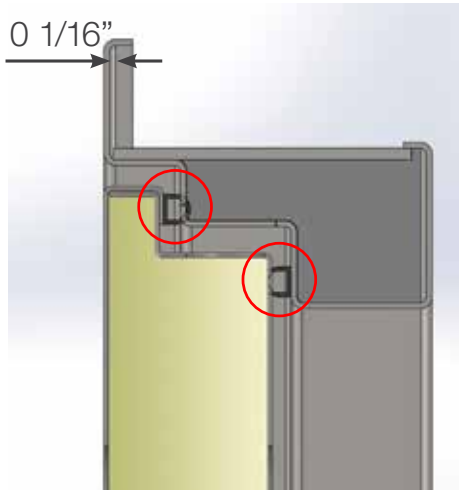
6 **STD** RAL STRUCTURE colours.

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.

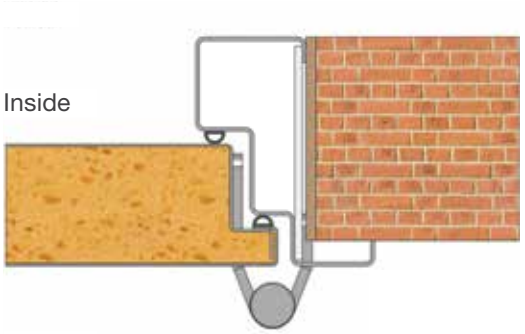
Door frame made of 0.06” thickness galvanized steel.

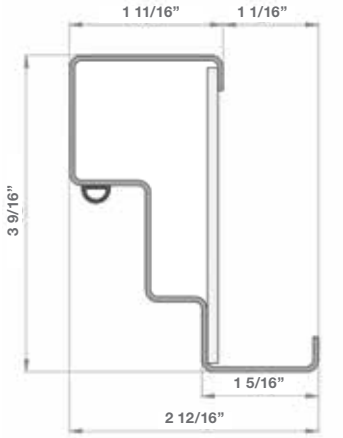


Door type **FD40**
Outside colour **RAL 5010**
Handle **Black (BL)**

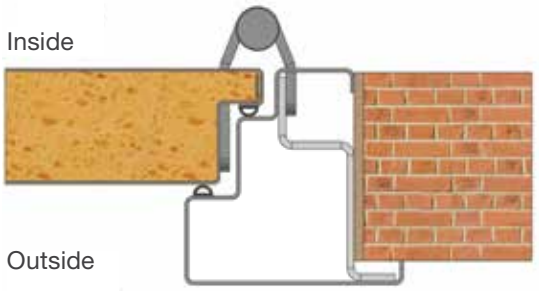
Frame types

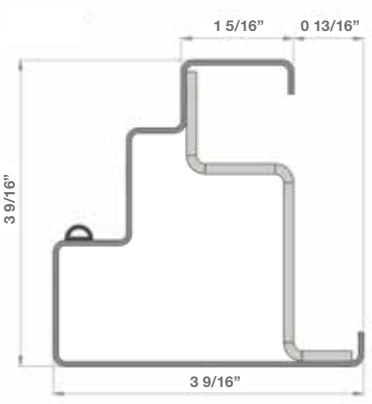
MITRED FRAME WITH MOULDINGS, OPEN TO OUTSIDE **(MO)**



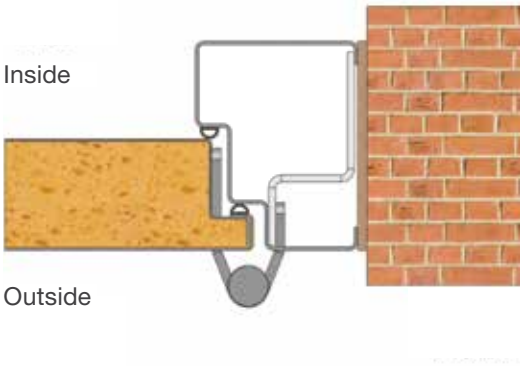


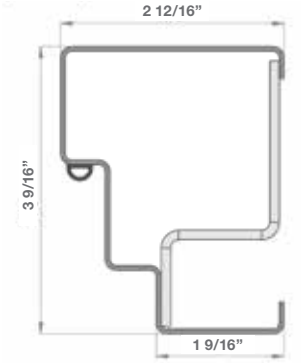
MITRED FRAME WITH MOULDINGS, OPEN TO INSIDE **(MI)**



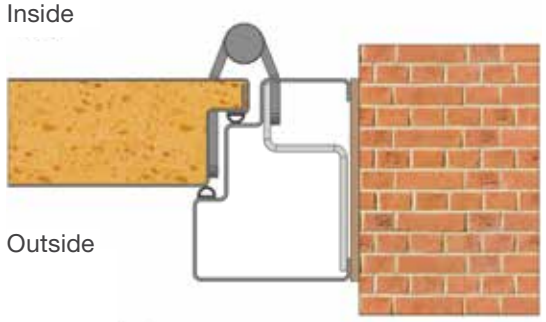


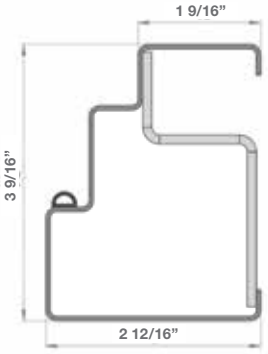
MITRED FRAME, OPEN TO OUTSIDE **(LO)**





MITRED FRAME, OPEN TO INSIDE **(LI)**

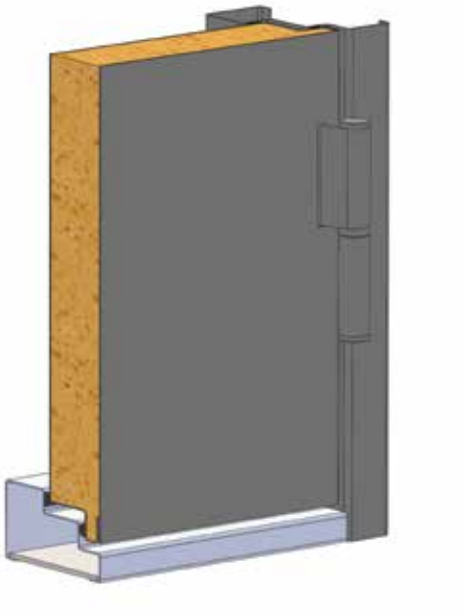




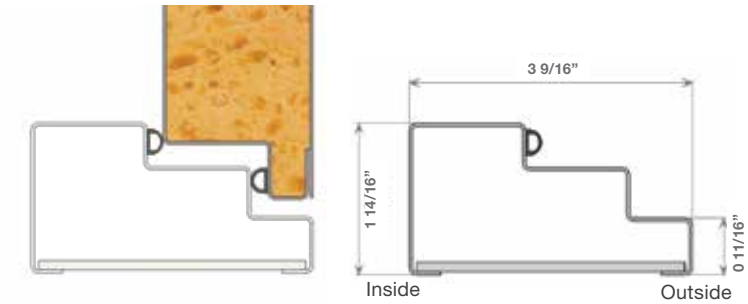
Threshold types and specifications

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

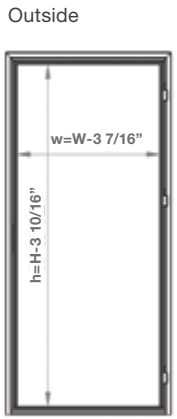
OFS & DAYLIGHT OPENING

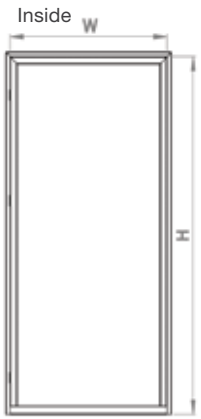


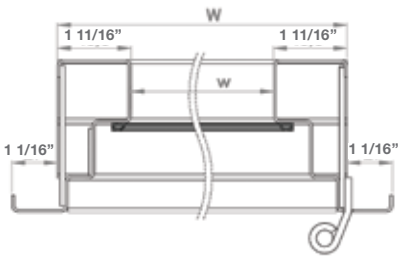
MO-OD

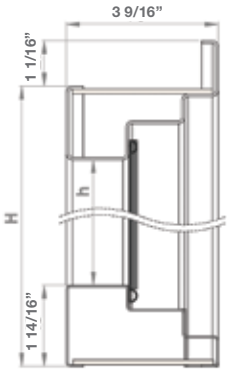


MO frame

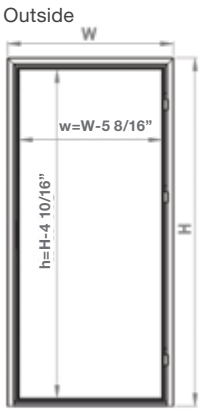




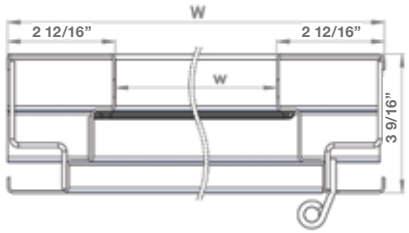


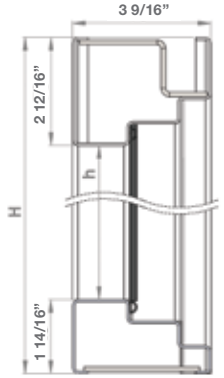


LO frame

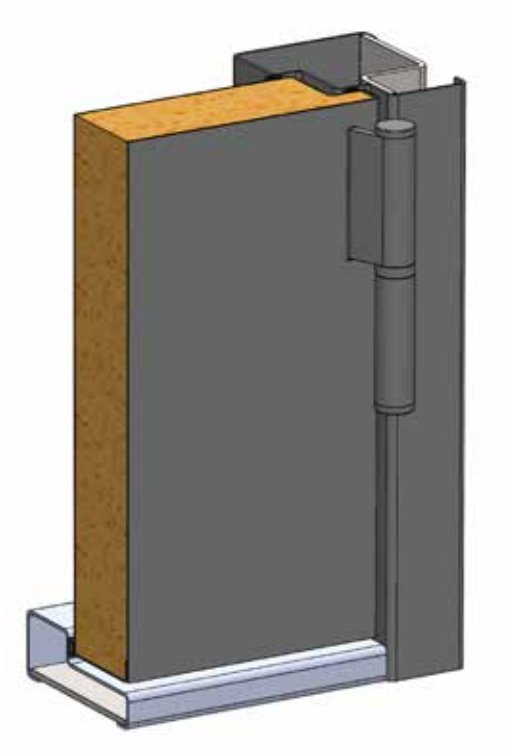




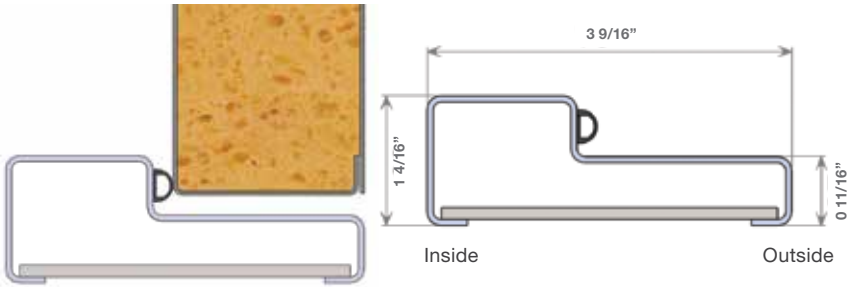




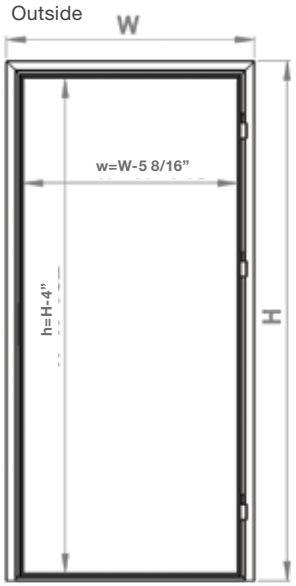
SINGLE SEALING THRESHOLD, OPEN TO OUTSIDE **(OS)**

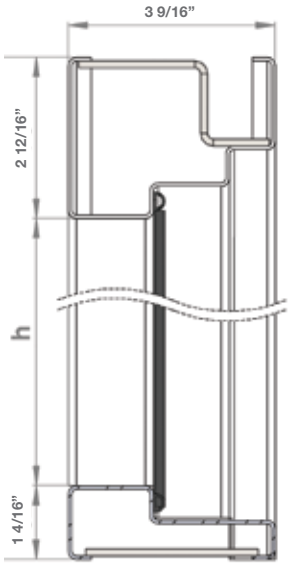


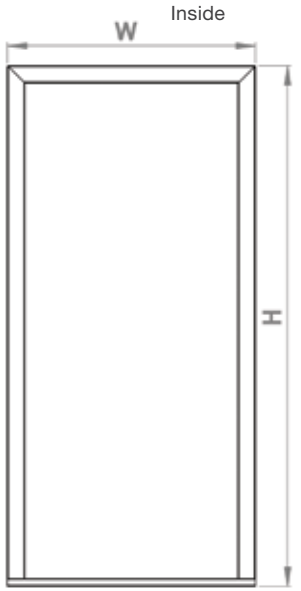
LO-OS

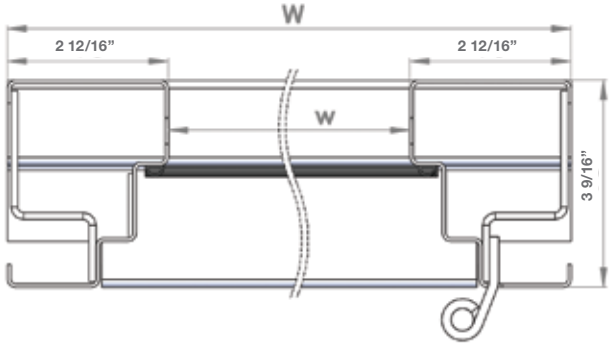


OFS & DAYLIGHT OPENING

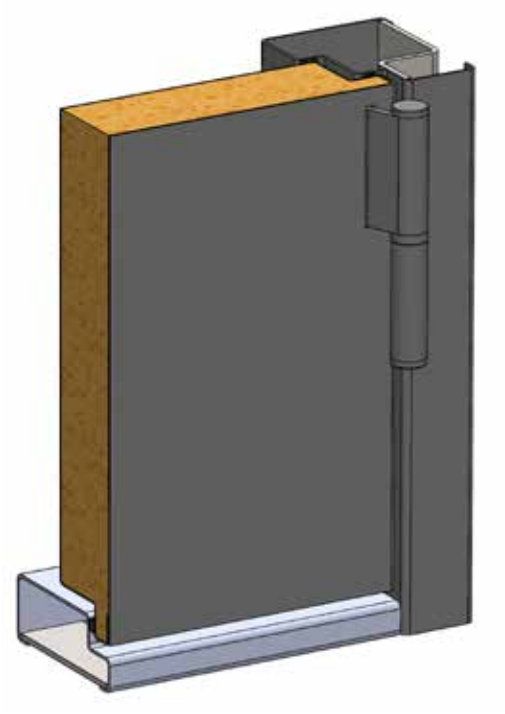




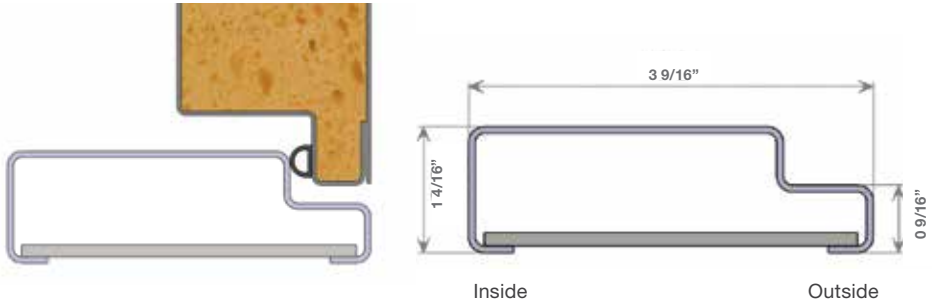




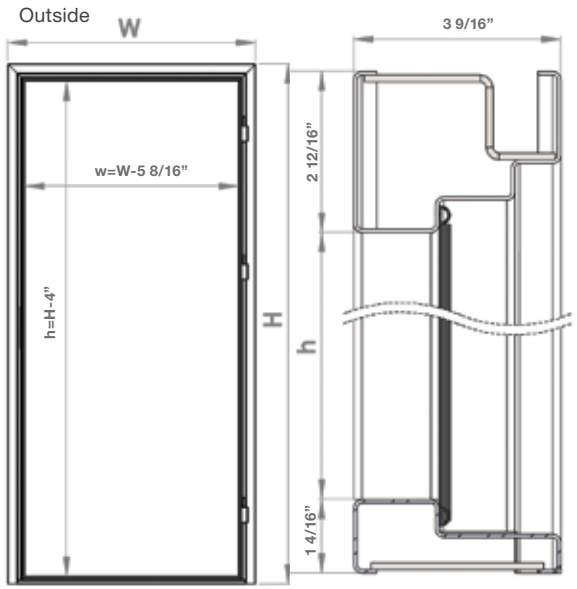
SINGLE SEALING THRESHOLD, OPEN TO OUTSIDE **(OS2)**

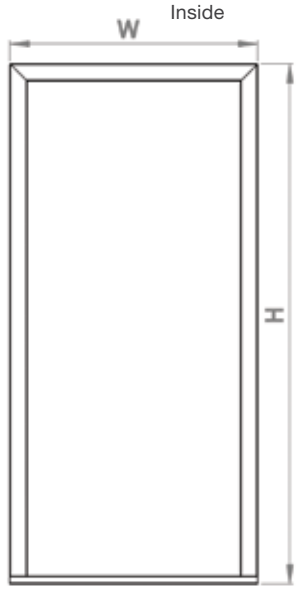


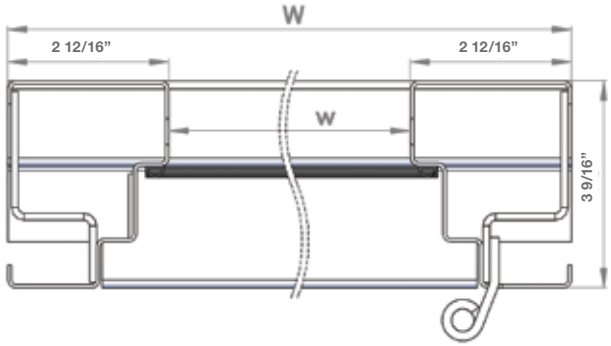
LO-OS2



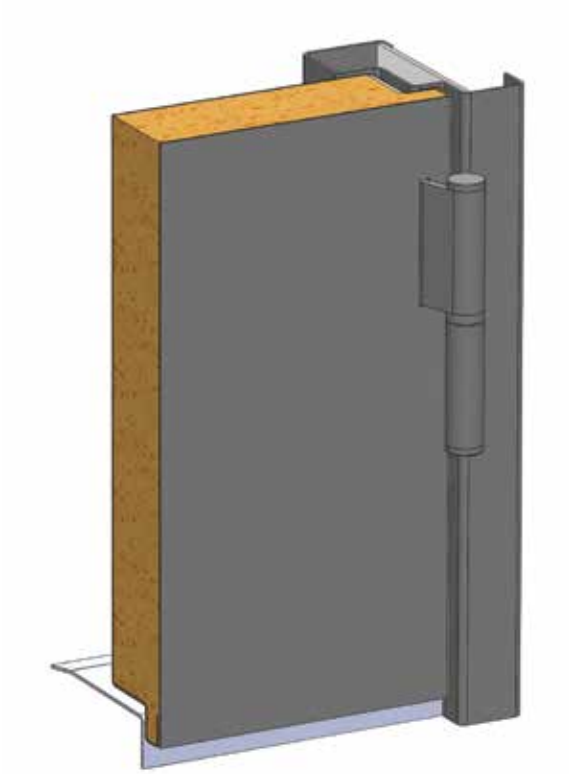
OFS & DAYLIGHT OPENING



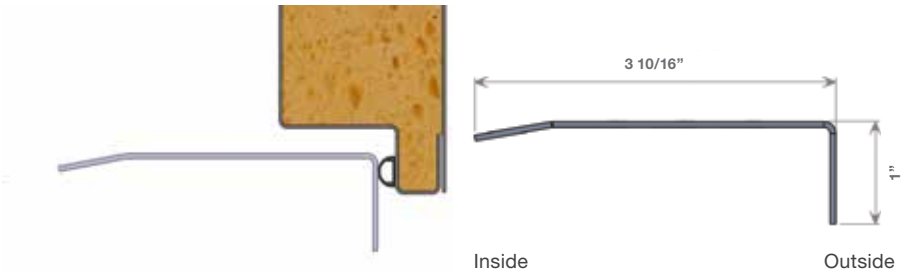




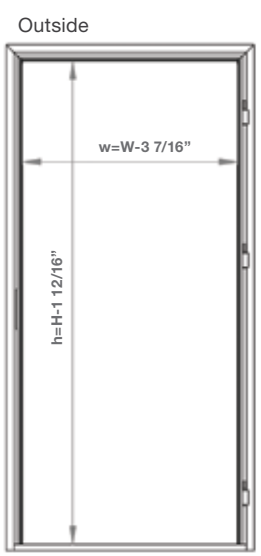
MITRED FRAME WITH MOULDINGS, OPEN TO OUTSIDE **(OL)**

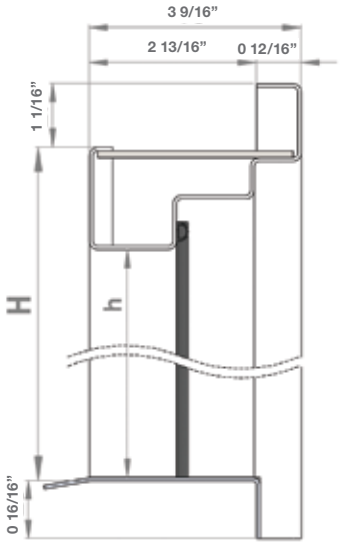


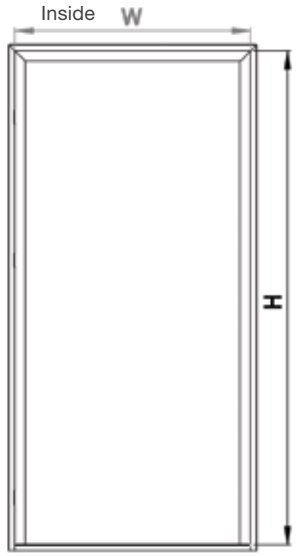
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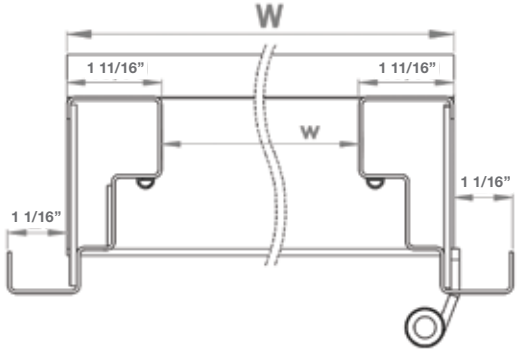


OFS & DAYLIGHT OPENING

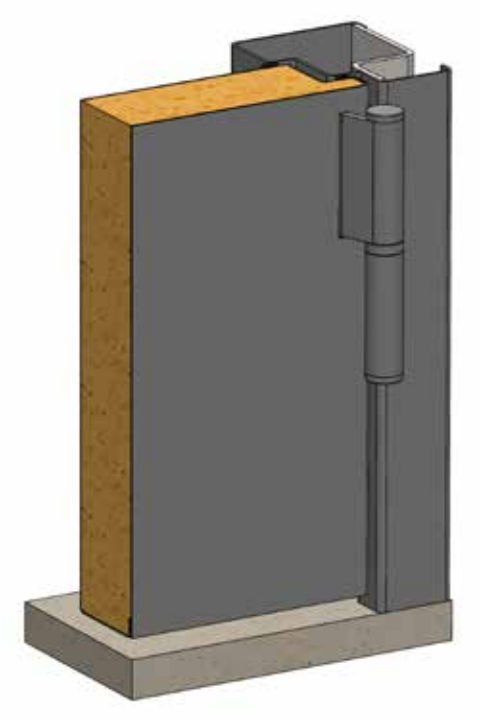




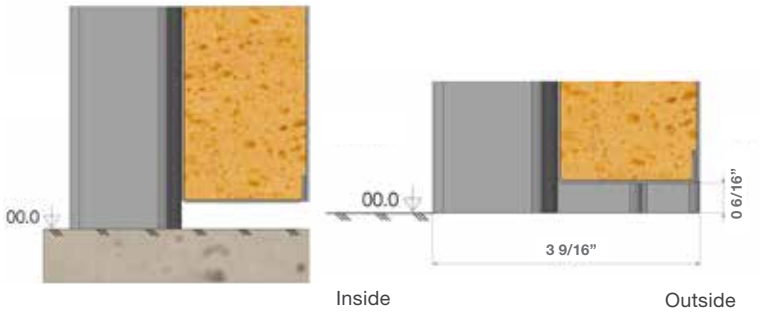




WITHOUT THRESHOLD, OPEN TO OUTSIDE **(OW)**



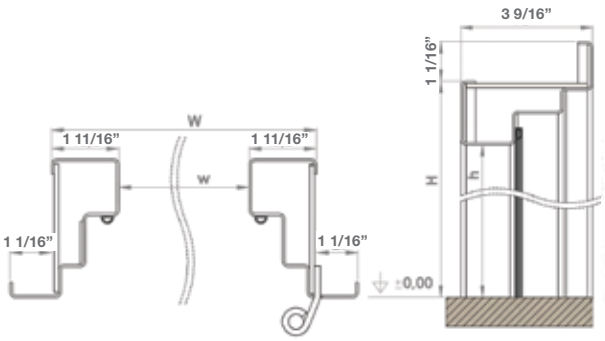
LO-OW



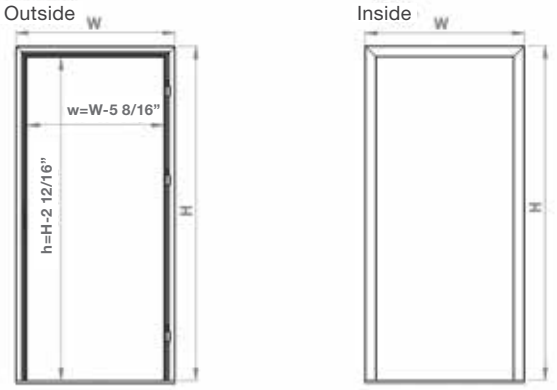
OFS & DAYLIGHT OPENING

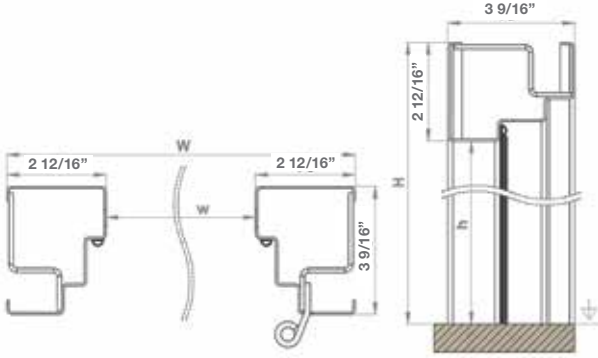
MO frame





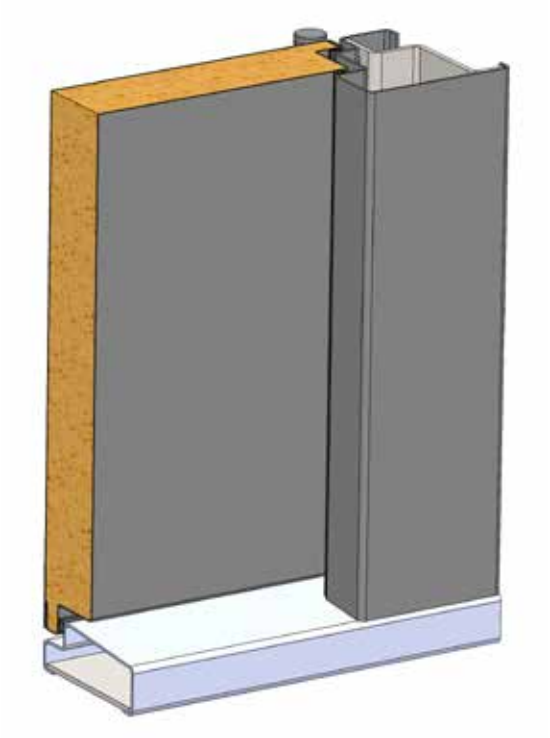
LO frame



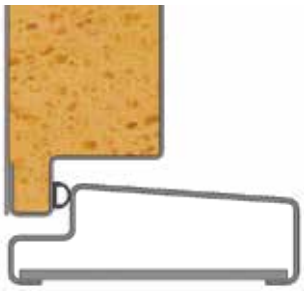


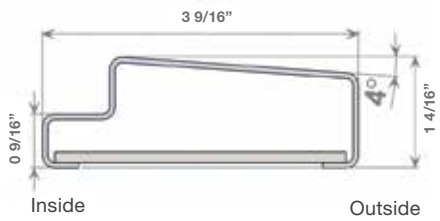
SINGLE SEALING ANGLED THRESHOLD, OPEN TO INSIDE **(IS)**

OFS & DAYLIGHT OPENING

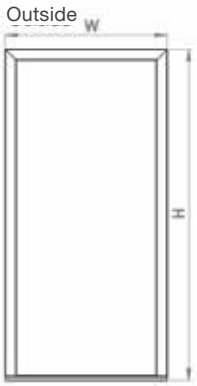


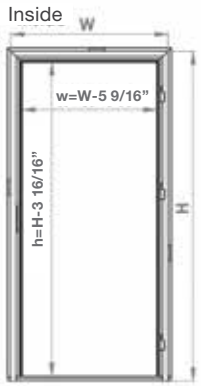
LI-IS

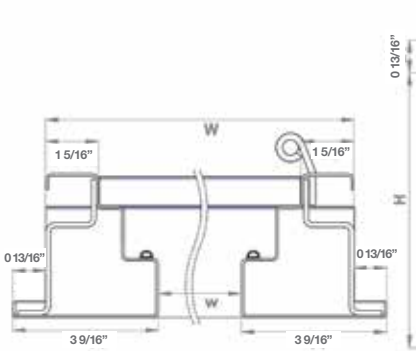


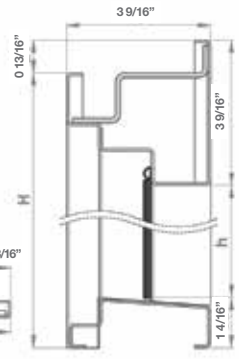


MI frame

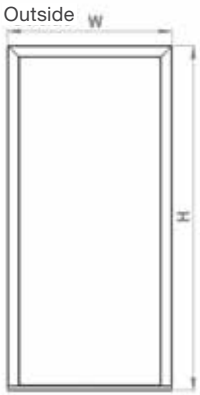


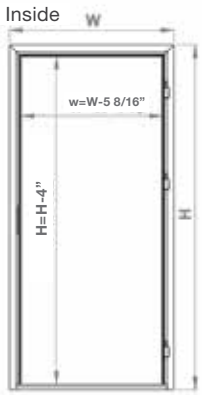


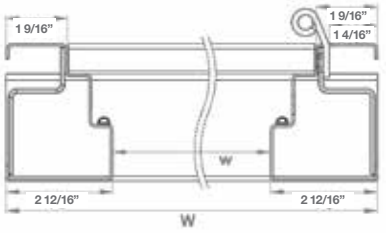


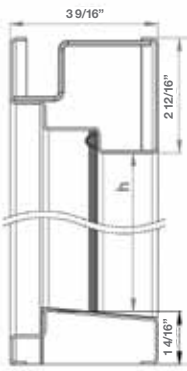


LI frame



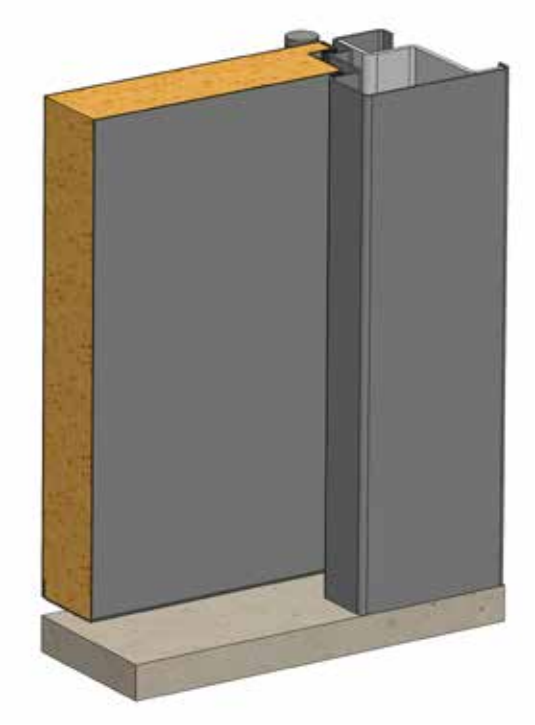




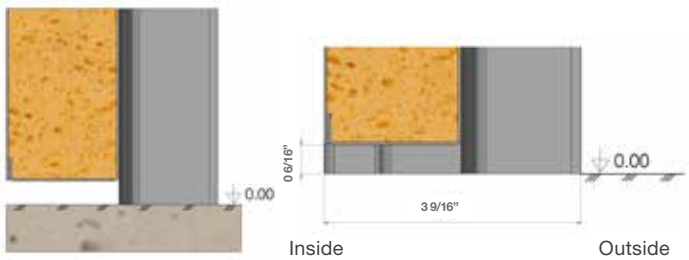


WITHOUT THRESHOLD, OPEN TO INSIDE **(IW)**

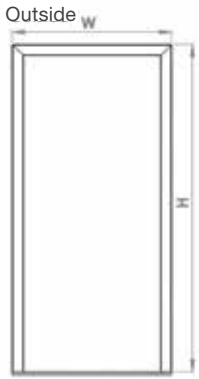
OFS & DAYLIGHT OPENING

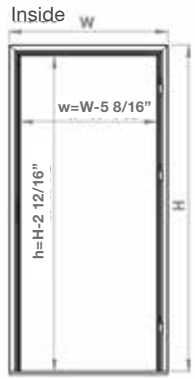


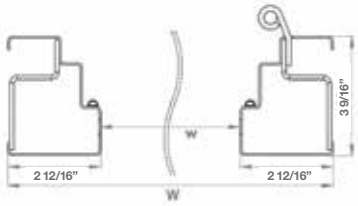
LI-IW

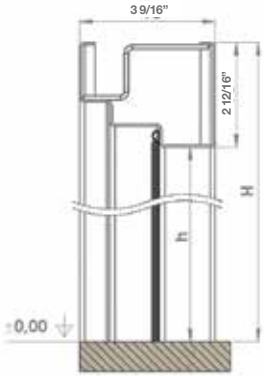


MI frame

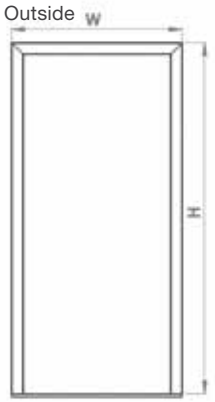


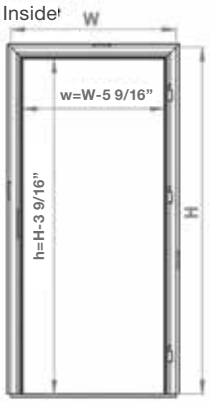


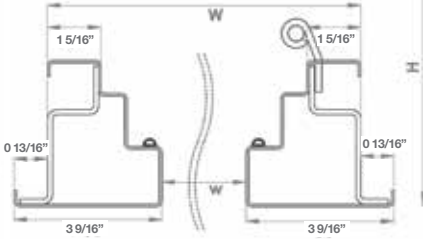


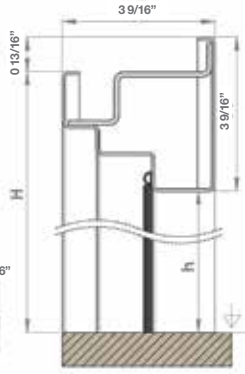


LI frame



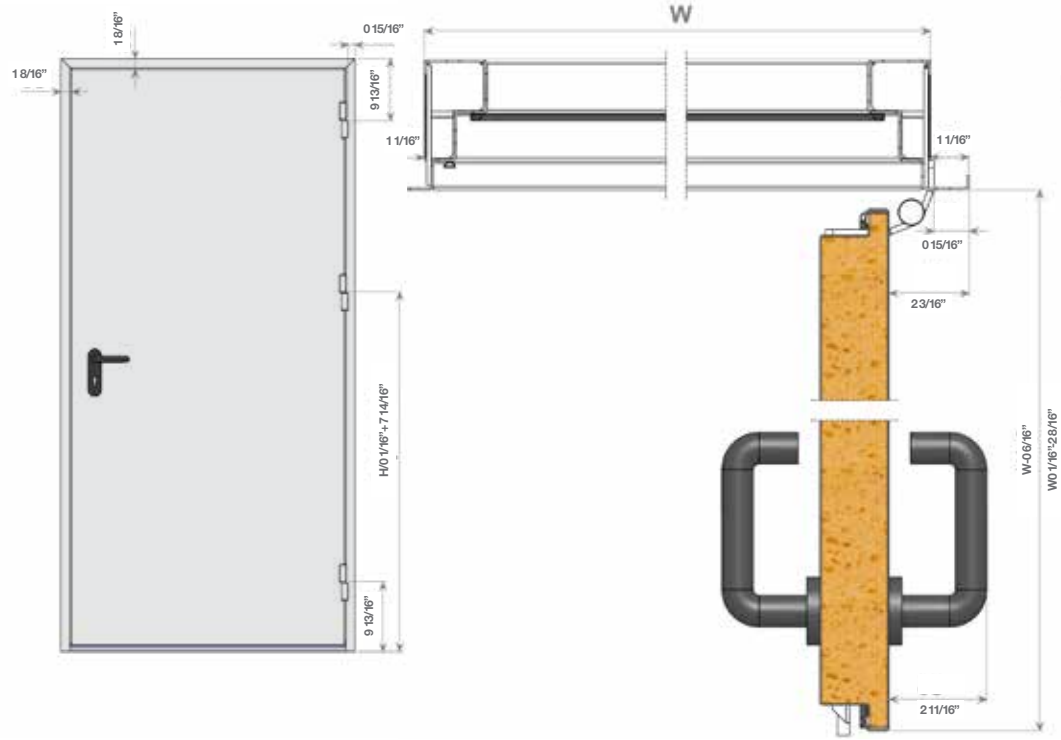




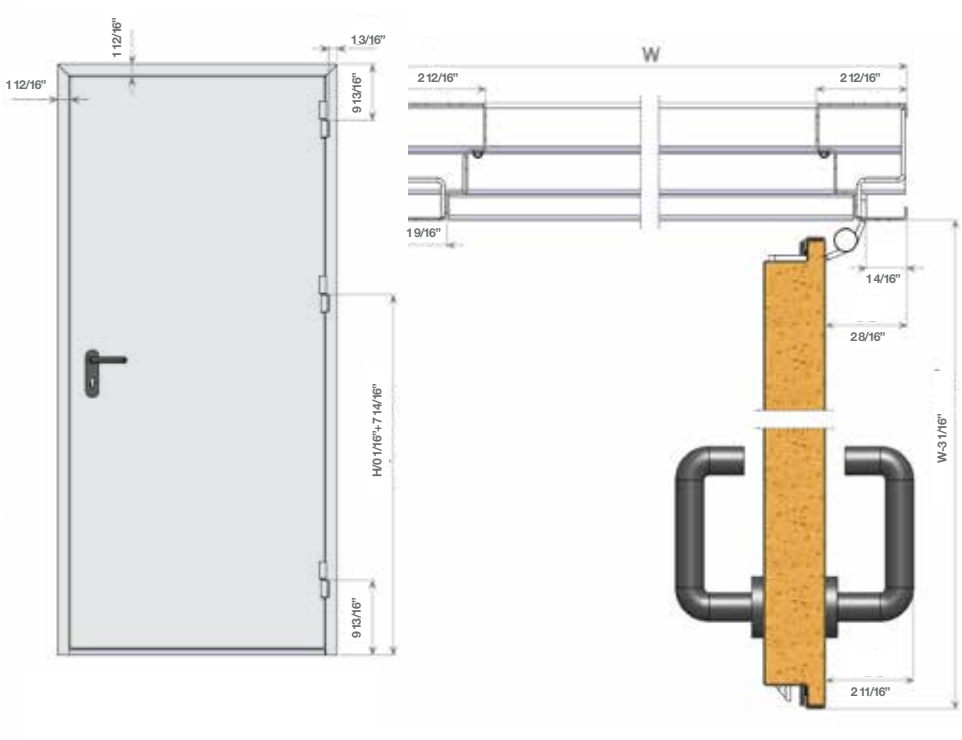


Specifications

MO OPEN LEAF 90°



LO OPEN LEAF 90°



Locks and handles

BASIC SET



L1P
Lock
STD



D&N+EM



BL
Black lever handle
STD



GR
Grey lever handle
STD



ST
Stainless steel
lever handle



SSK
Stainless steel
knob handle

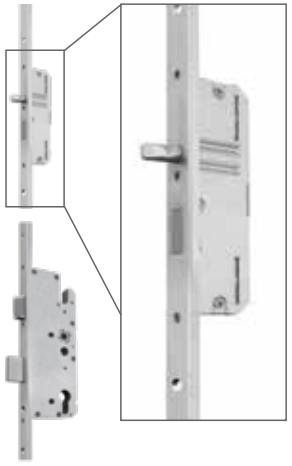


CWD
Lock cylinder
STD



CWF
Lock cylinder

PREMIUM SET





HL
White/Black
lever handle



HK
White/Black
knob handle



HLA
Aluminium
lever handle



C3P
Multi-point lock



D&N+EM



CWD
Lock cylinder
STD



CWF
Lock cylinder

ASSA ABLOY SET



LC 100
Lock



565
Lock



AS
Lever handle



CWE
Lock cylinder

ANTI-PANIC SET



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
7 14/16”x7 14/16”



S350
Square glazing
13 12/16”x13 12/16”



S100
Rectangular glazing
3 15/16”x27 9/16”



S500
Rectangular glazing
19 11/16”x27 9/16”

Accessories



Ventilation grille



Spyhole



Door closer
BASIC



Door closer
GEZE TS5000



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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