



NEW

Rolo L-Line 45

MAGNETIC DOOR FOR INTERIORS
Technical catalogue



www.roloautomation.co.uk

NEW

L-Line 45

The most compact magnetic door on the market

The L-Line 45 introduces a new era in Rolo's sliding magnetic doors, offering a solution that fits any environment. Its ultra-compact structure, measuring just 45 x 45 mm, perfectly balances elegance and functionality, it combines a minimalist design with advanced technology to ensure a comfortable and secure user experience.

With its easy installation, simple design, and silent operation, Versa Mini is the ideal choice for those seeking to merge style with technology. It's not just about acquiring a door, it's about gaining the security and confidence of a reliable, adaptable, and highly efficient product.

Profile available in:



MAIN FEATURES



Ultra-compact design

The smallest magnetic operator on the market today, with dimensions of just **45 x 45 mm**. Its compact size does not compromise performance or functionality, making it the perfect choice for diverse and demanding spaces, as it seamlessly adapts to any environment.



Certifications

It is already **CE certified**, ensuring compliance with the highest safety and quality standards in Europe. Additionally, we are in the process of obtaining **UL certification**, guaranteeing adherence to the strict safety regulations in the United States.



Installation versatility

It can be mounted on **walls, ceilings, pocket or T-profiles**, effortlessly adapting to any environment thanks to its different adapters. This flexibility makes it suitable for a wide range of projects and applications.



Sustainable packaging

The packaging is designed with an eco-friendly approach, using a rigid cardboard tube measuring **60 x 60 mm**. This not only reduces costs and simplifies transportation but also minimizes environmental impact through the use of sustainable materials.

DATASHEET

Operator dimensions (height x width)

45 x 45 mm

Operator weight

8 - 10 kg

Clear opening width

750 - 1200 mm

Operator length

1650 - 2450 mm

Leaf weight

Min: 5 kg / Max: 80 kg

Opening speed

200 - 600 mm/s

Closing speed

150 - 300 mm/s

Operating noise

< 50 dB

Number of cycles

Medium traffic > 500.000

Power supply

110 - 240 VCA

Input voltage range 50/60 Hz (Universal)

Output voltage 24 VDC

Cable section 3 x 1,0 mm² (Length 2 m)

Operating modes

Automatic, Open, Closed, Exit only and Bathroom

Adjustables parameters

Hold open time

Opening and closing speed

Low energy mode

Manual and device activation mode

Opening and closing deceleration speed

Opening deceleration distance

Deceleration and acceleration pattern

Gap to end stop

Sensitivity to obstruction while closing and opening

Opening direction

Bluetooth pairing

Factory setting

Parameter reading

Power consumption

In stand-by 0,5 W

In motion 80 W

Maximum (0,5 s) 180 W

Motor

Type Linear LSMPM

Number of poles 3

Voltage 24 VDC

Type of magnets Neodymium permanent

Force < 100 N

Operating temperature

Min 5°C - Max 40°C

Accessories

24 VCC / 1 A

Warnings

Obstruction during the opening or closing cycle

Motor overcurrent

Encoder malfunction

Leaf weight is above limits

Motor temperature is above limits

Overvoltage

Communication between motor and I/O module

Electronic board clock

Non-volatile memory in the electronic board

Flash memory

Hardware overcurrent

Failure on safety sensor

Certifications

Directive 2006/42/CE

"Machinery Directive"

Directive 2014/30/UE

"Electromagnetic Compatibility (EMC)"

Directive 2014/35/UE

"Low Voltage Directive"

Directive 2014/53/UE

"Radio equipment (RED)"

According to

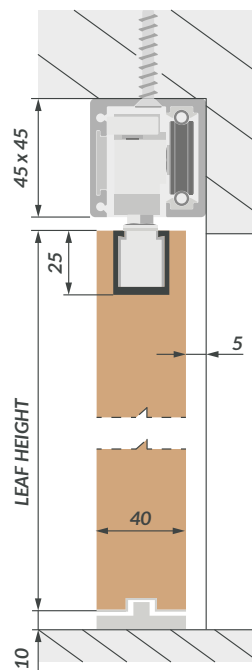
UNE-EN16005:2013

"Power operated pedestrian doorsets. Safety in use"

WOODEN LEAF SUSPENSION

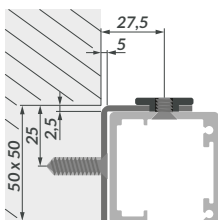


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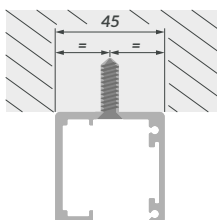


INSTALLATION TYPES

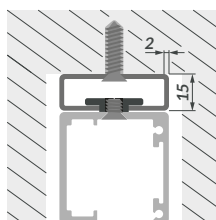
Wall



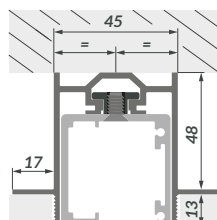
Ceiling



Pocket



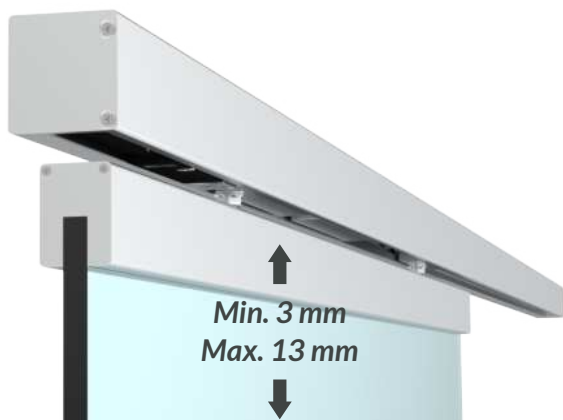
T - Profile



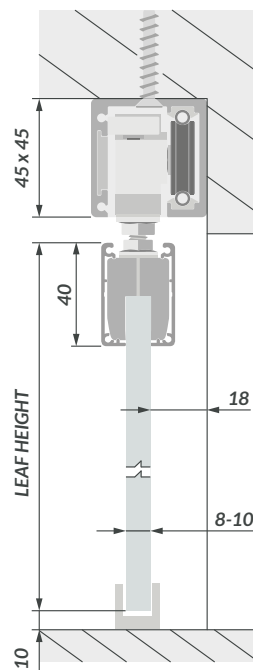
VARIETY OF APPLICATIONS



GLASS LEAF SUSPENSION

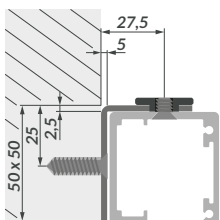


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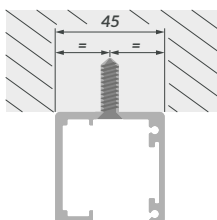


INSTALLATION TYPES

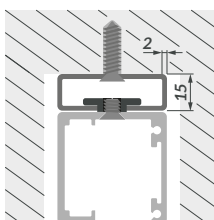
Wall



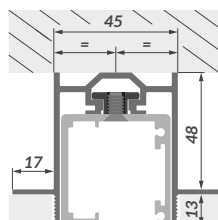
Ceiling



Pocket

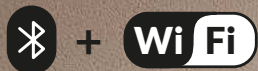


T - Profile



VARIETY OF APPLICATIONS





Soon available in:



Black



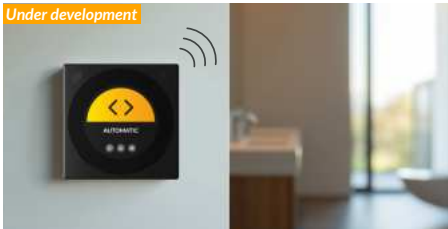
Silver



White

ACCESSORIES

Under development



Selector - Remote control

Under development



Selector - Bathroom mode

Under development



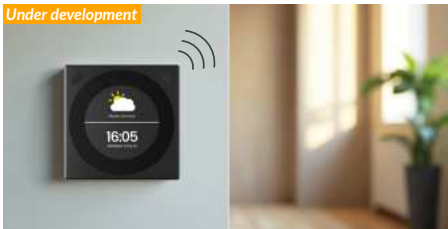
Selector - Wireless push button

Under development



Selector - Numerical control

Under development



Selector - Stand-by

Under development



Selector - Parameters

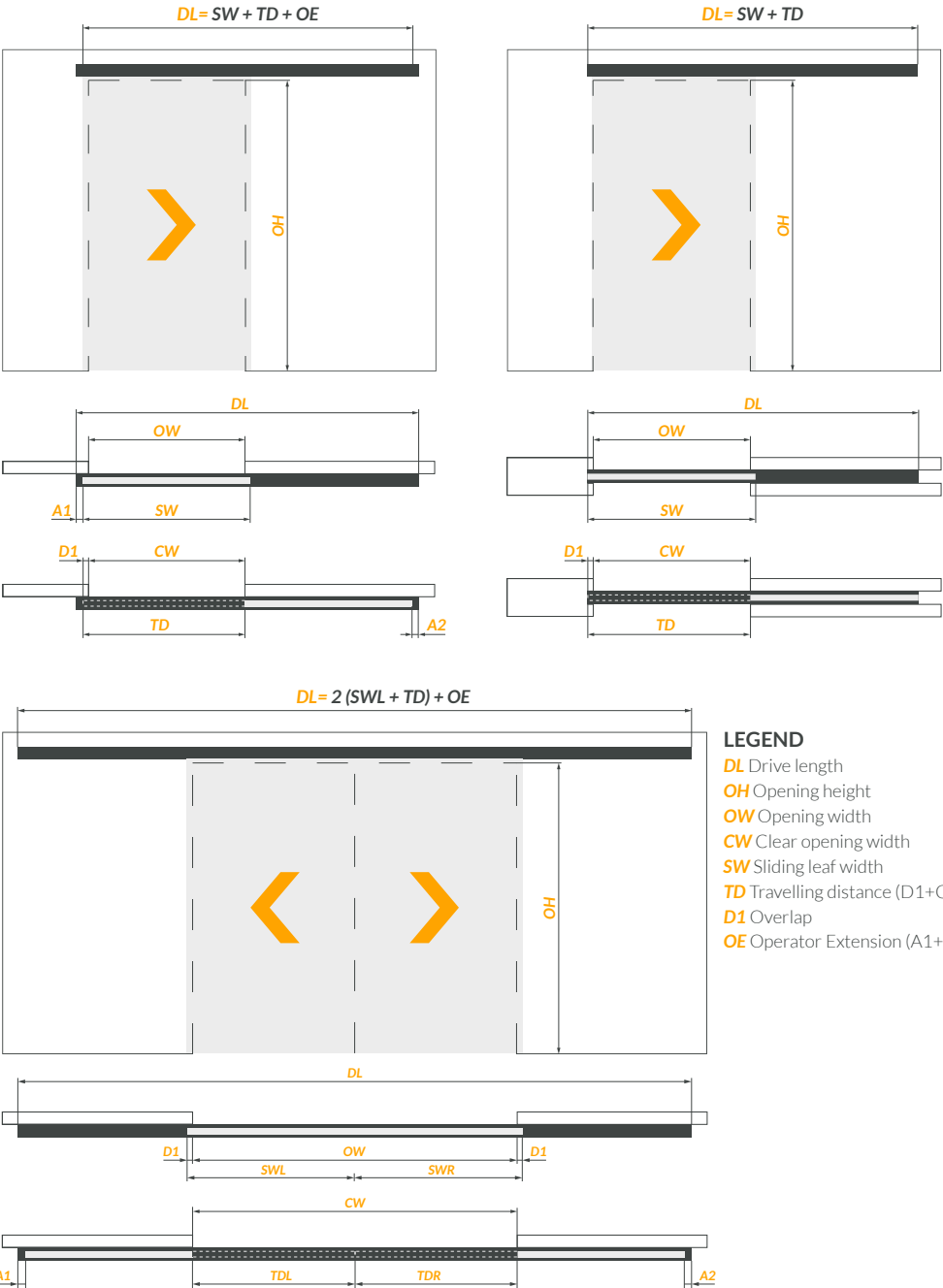


Automatic lock



Safety radar

MEASURES



ORDER FORM

CLIENT

Name of the installation: _____

Site address: _____

Location of the door: _____

Contact telephone number: _____

LEAF TYPE AND THICKNESS

Glass ☐ 8 mm ☐ 10 mm ☐ 12 mm
 Wooden ☐ _ mm

FINISHING

Silver anodised aluminium ☐
 Black lacquered aluminium ☐
 White lacquered aluminium ☐

INSTALLATION TYPE

Wall ☐
 Ceiling ☐
 Pocket ☐
 T - Profile ☐

ACCESSORIES

Automatic lock ☐
 Safety radar ☐

SUSPENSION TYPE + FLOOR GUIDE

Wooden suspension ☐
 Glass suspension ☐

MEASUREMENT

Opening width (mm) _____ mm

OW _____ mm

Opening height (mm) _____ mm

OH _____ mm

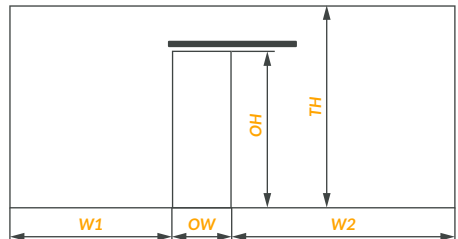
Total height (mm) _____ mm

TH _____ mm

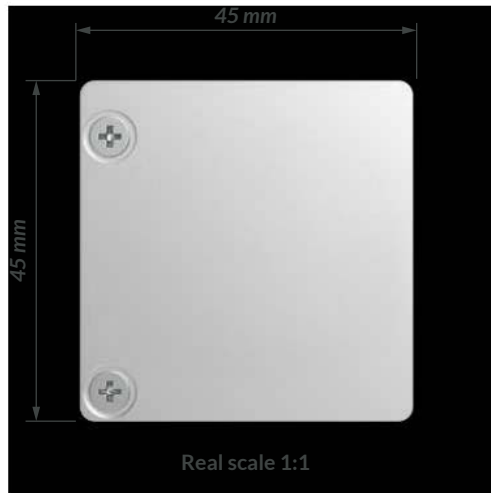
Opening - wall distance 1 (mm) _____ mm

W1 _____ mm

Opening - wall distance 2 (mm) _____ mm

W2 _____ mm

SIGNATURE



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