



L-Line 60

MAGNETIC DOOR FOR INTERIORS
Technical catalogue

www.roloautomation.co.uk

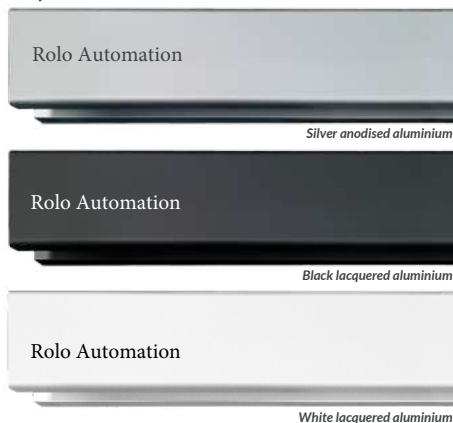
L-Line 60

The most advanced magnetic door on the market

Evodrive + is the perfect blend of cutting-edge technology and easy use. Its innovative design features a flip cover that not only protects internal components but also provides quick and easy access for maintenance, enhancing durability and efficiency.

In summary, the Evodrive + magnetic door offers unmatched performance, positioning itself as the most advanced option on the market today. Perfect for the most demanding projects, it ensures a hassle-free automation experience while maximizing both functionality and aesthetics.

Profile available in:



MAIN FEATURES



Aesthetic design

The most advanced magnetic guide on the market. With dimensions of just **60 x 70 mm**, it takes up only a fraction of the space compared to traditional systems.

Its minimalist and simple design not only enhances the aesthetics of any environment but also provides users with security.



Enhanced safety

The L-Line 60 ensures **maximum safety** in every use. It is compatible with a wide range of safety sensors and activation devices and can be configured in "**low energy**" mode to provide safe operation in environments with individuals with reduced mobility, fully complying with safety regulations.



Easy installation

Designed for straightforward installation, it ensures a **long service life** with exceptionally low maintenance costs once operational. The system's reliability and efficiency make it the ideal solution for those seeking durable and cost-effective automation.



Low maintenance costs

The absence of **belts, pulleys, reducers, and other mechanical components** commonly found in traditional automation systems drastically reduces the need for regular maintenance and significantly minimizes costs associated with spare parts.

DATASHEET

Operator dimensions (height x width)

60 x 70 mm

Operator weight

8 - 10 kg

Clear opening width

Single leaf: 750 - 1400 mm
Double leaf: 1500 - 2800 mm

Operator length

Single leaf: 1650 - 2800 mm
Double leaf: 3100 - 5700 mm

Leaf weight

Min: 5 kg / Max: 80 kg

Opening speed

200 - 800 mm/s

Closing speed

150 - 300 mm/s

Operating noise

< 50 dB

Number of cycles

> 1.000.000

Power supply

Input voltage range 110 - 240 VCA
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 4
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

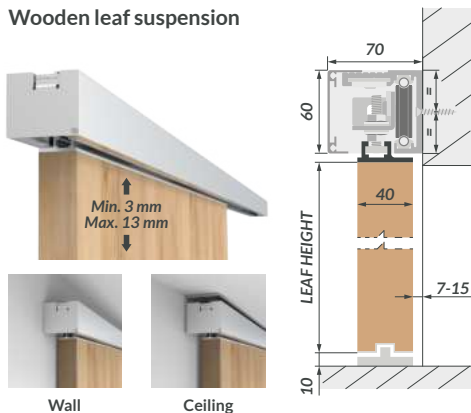
Directive 2006/42/CE
"Machinery Directive"
Directive 2014/30/UE
"Electromagnetic Compatibility (EMC)"
Directive 2014/35/UE
"Low Voltage Directive"
Directive 2014/53/UE
"Radio equipment (RED)"

According to

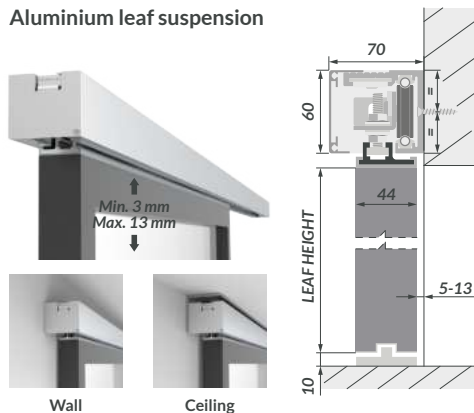
UNE-EN16005:2013
"Power operated pedestrian doorsets. Safety in use"

SUSPENSION AND INSTALLATION TYPES

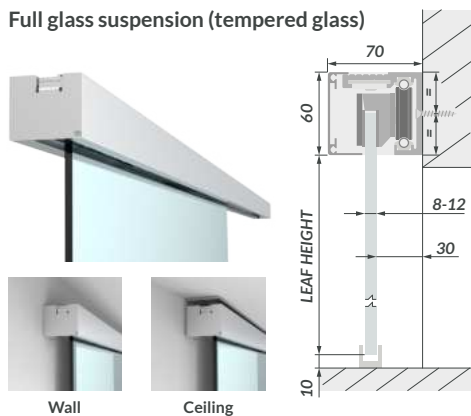
Wooden leaf suspension



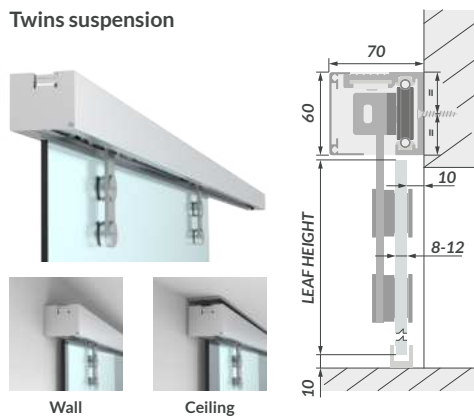
Aluminium leaf suspension



Full glass suspension (tempered glass)

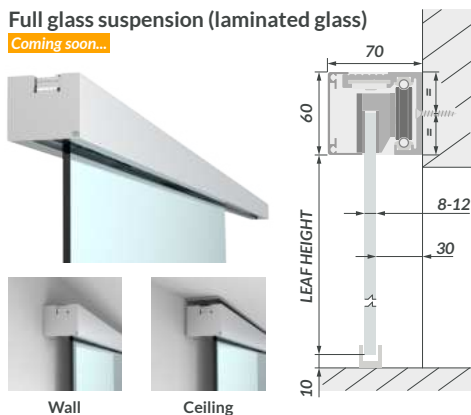


Twins suspension

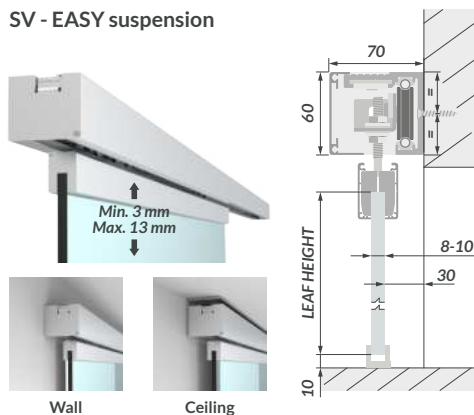


Full glass suspension (laminated glass)

Coming soon...



SV - EASY suspension



VARIETY OF APPLICATIONS



VARIETY OF APPLICATIONS



VARIETY OF APPLICATIONS





Soon available in:



Black



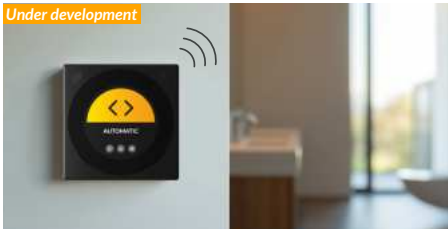
Silver



White

ACCESSORIES

Under development



Selector - Remote control

Under development



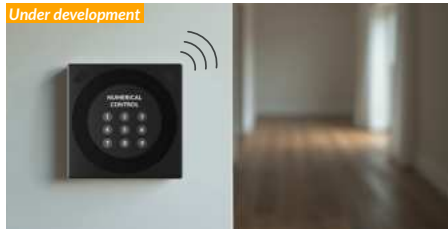
Selector - Bathroom mode

Under development



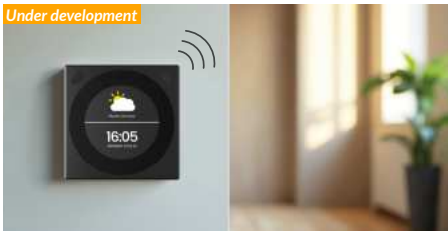
Selector - Wireless push button

Under development



Selector - Numerical control

Under development



Selector - Stand-by

Under development



Selector - Parameters

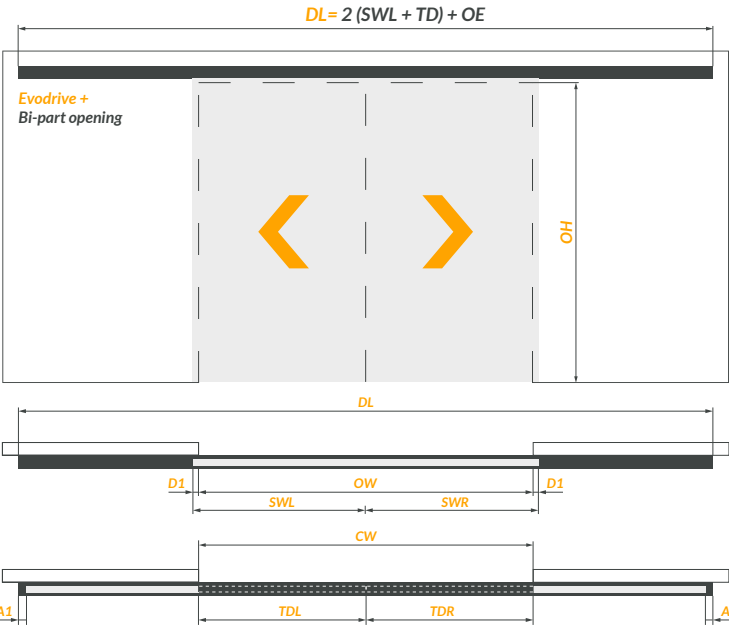
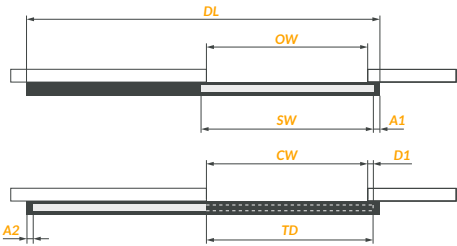
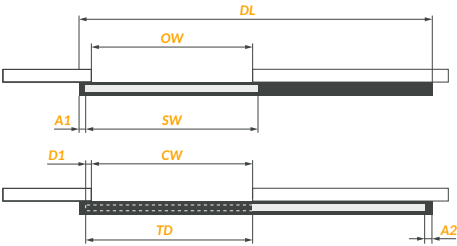
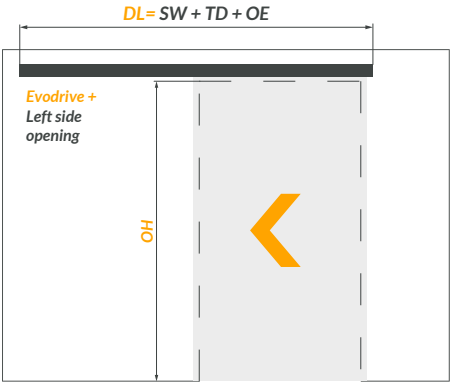
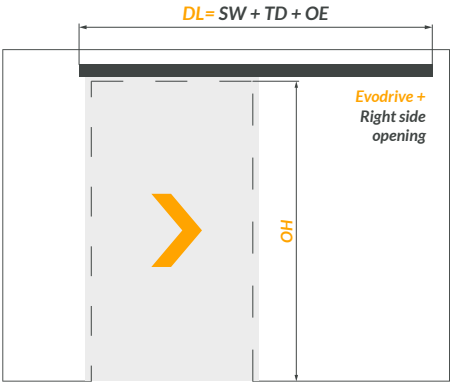


Automatic lock



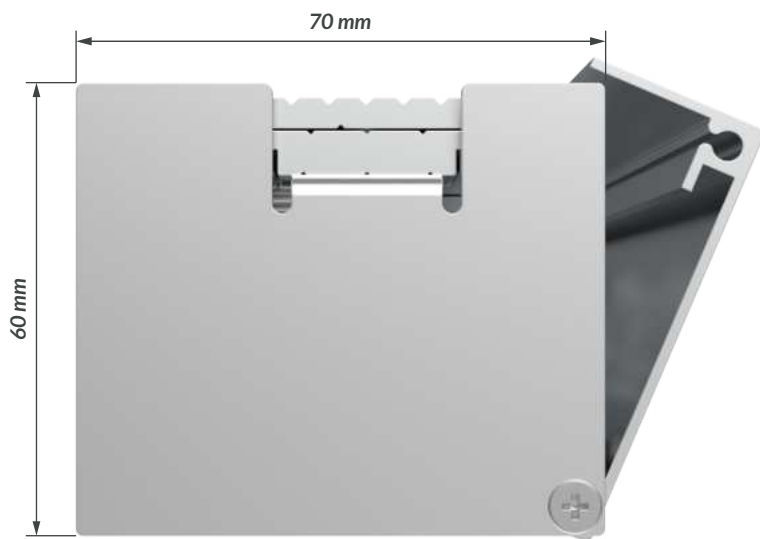
Safety radar

MEASURES



LEGEND

- DL Drive length
- OH Opening height
- OW Opening width
- CW Clear opening width
- SW Sliding leaf width
- TD Travelling distance ($D1 + CW$)
- $D1$ Overlap
- OE Operator extension ($A1 + A2$)



Real scale 1:1

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