




UHe

TRACTION  
LIFT

Space-optimised  
design

 **HIDRAL**  
WORLDWIDE LIFTING SOLUTIONS



Transform your building with our residential lift, ideal for refurbishment and new build projects. With elegant design and advanced technology, it adds accessibility and value to any space.

Quiet, safe and compact, it integrates perfectly into existing or new buildings, bringing comfort and style to every level in your home.

#### Main Features:

- Perfect solution for building refurbishment.
- The possibility of installation with a reduced pit facilitates its implementation in limited spaces or existing shafts.
- Includes the possibility of adjacent access, offering greater flexibility and adaptability to the needs of the environment.
- It presents a wide versatility in landing entrances and offers different shaft structure options.






## What if you could design your own lift?

At Hidral we give you the option to design your own UHe lift, choosing colours and finishes from a wide range of quality materials.





The UHe lift is designed to redefine the concept of accessibility, comfort and elegance in any space. Its elegant and customisable design adapts to any architectural style.

It includes a small control panel mounted on the door frame on the top floor. It contains all the materials required for maintenance

# Cabin wall finishes

**Plastic Coated**

Cream White

Capri Blue

Walnut

Beech

Old Oak

Young Ivory

Pearl Grey

Mist Grey

Abyssal Black

Graphite Grey

**Multi Layer Laminate**

Pearl

Pumice

Kashmir

Clementine

Carnaval

Sparta

Maui

Vibrant Green

Tropical Blue

Cassis

**Stainless steel**

# Cabin floor finishes

**Artificial stone (basic quartz)**

Expo Grey Stone

Cement Spa Stone

Capri White Stone

Thebes Black Stone

Ivory Beach Stone

**Vinyl Flooring**

Golden Maple Vinyl

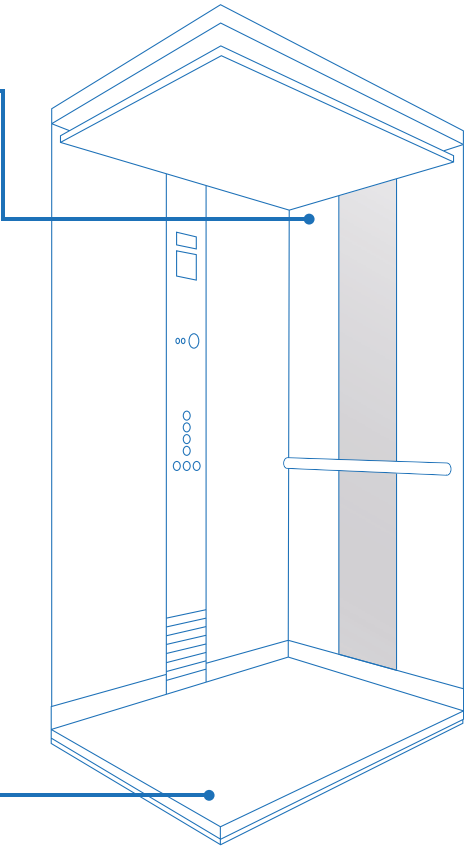
Delta Blue Vinyl

Brazilian Walnut Vinyl

Silver Mist Vinyl

Satin Wood Vinyl

Nocturno Vinyl

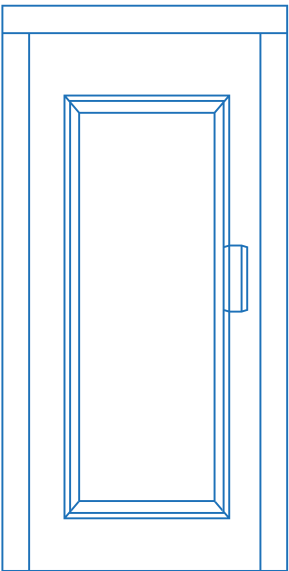


# Door models

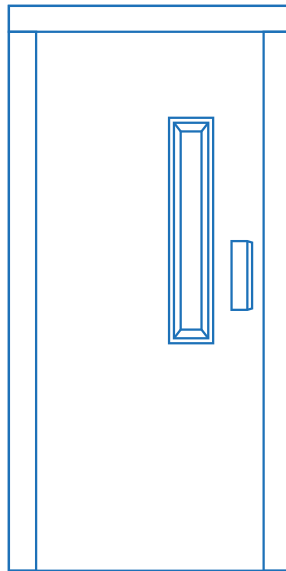
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The lift can include bus-type car doors or telescopic doors with two or three leaves. The floor doors can be hinged or telescopic doors with two or three leaves.

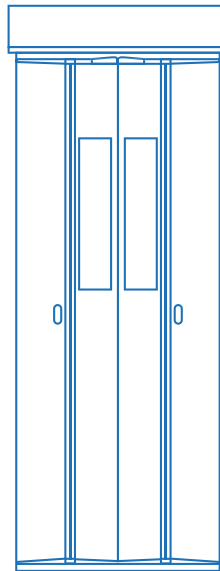
**Semi-automatic glazed landing door**



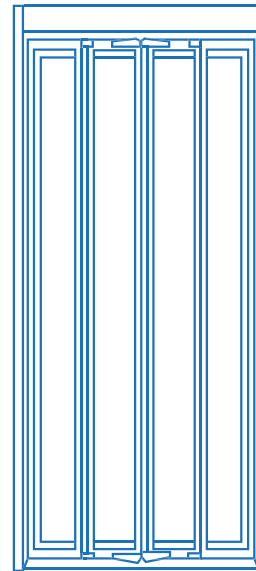
**Semi-automatic landing door with peephole**



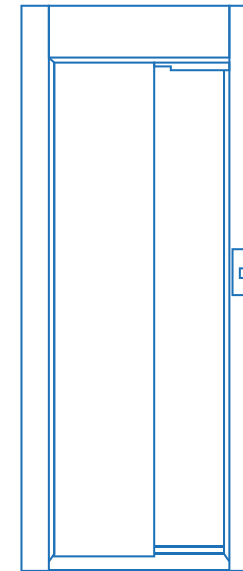
**Bus cabin door**



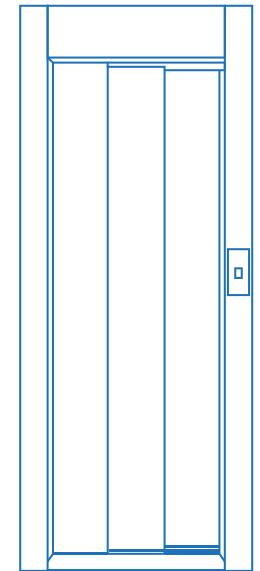
**Glazed bus cabin door**



**2-panel telescopic floor door**



**3-panel telescopic floor door**



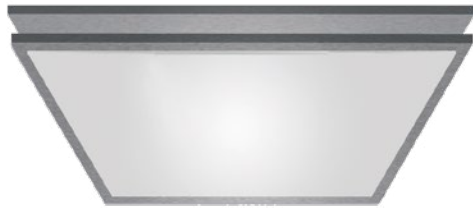


# Ceilings

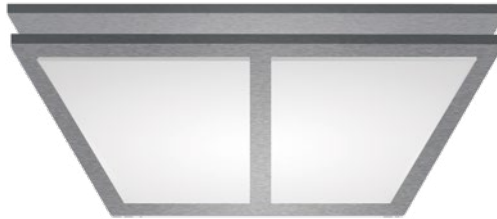
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With a choice of high quality materials, LED lighting and sophisticated finishes, each option is designed to optimise the car's interior ambience, providing visual comfort and personalised styling to suit your needs.

**False ceiling with tinted glass**



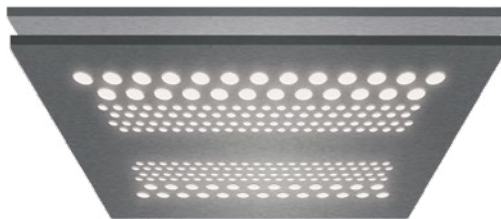
**False ceiling with LED panels**



**LED spotlight ceilings with or without false ceilings**



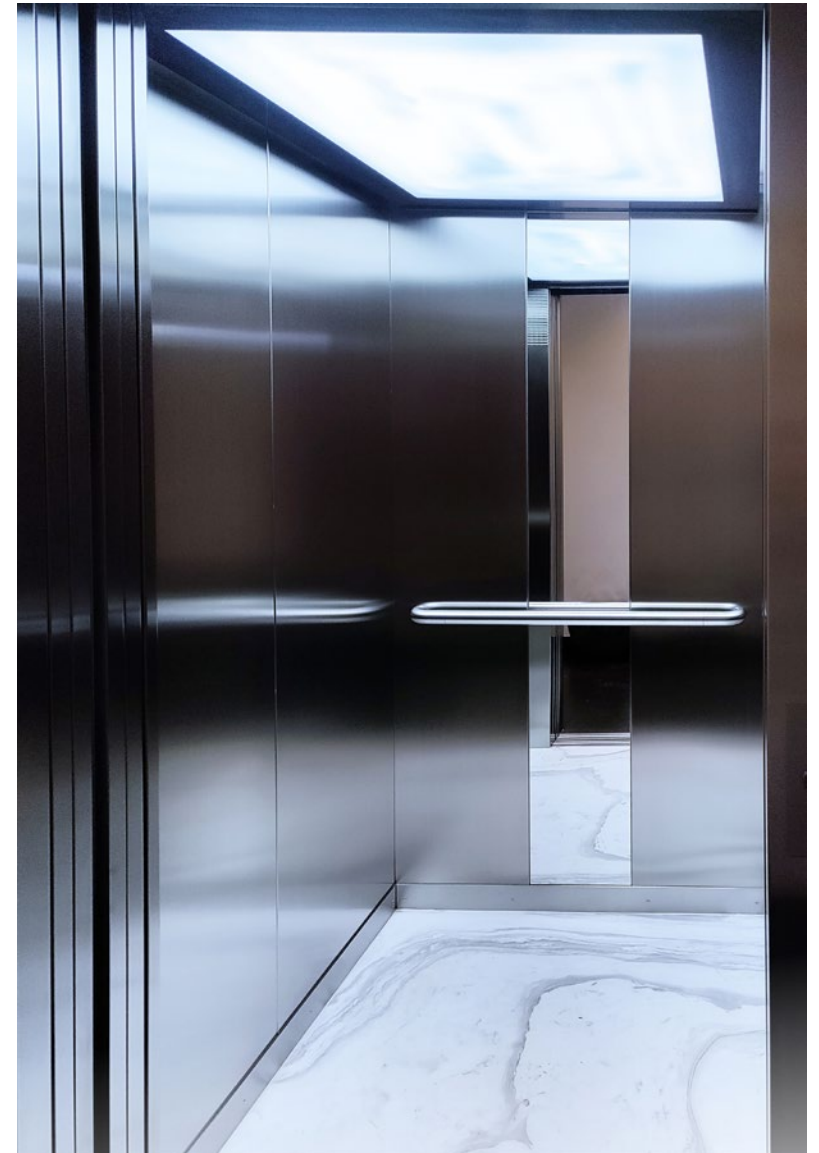
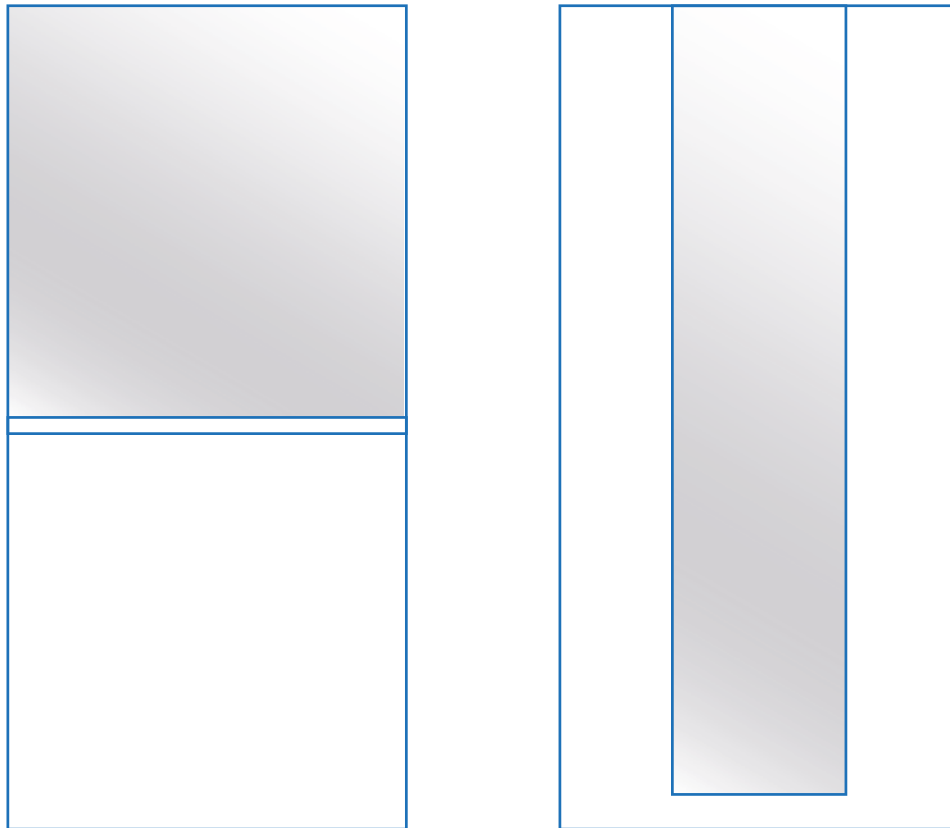
**False ceiling with perforated sheet metal**



# Mirrors

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Complete your home lift with two mirror options: top or full-length. Both are designed to enhance the feeling of spaciousness in the car.





# The UHe lift goes beyond conventional design.

The choice of an external lift structure is a practical solution for buildings that need to gain internal space without sacrificing the connection between floors. This option allows you to make the best use of natural light and available outdoor space, while minimising disruption to the interior of the building.



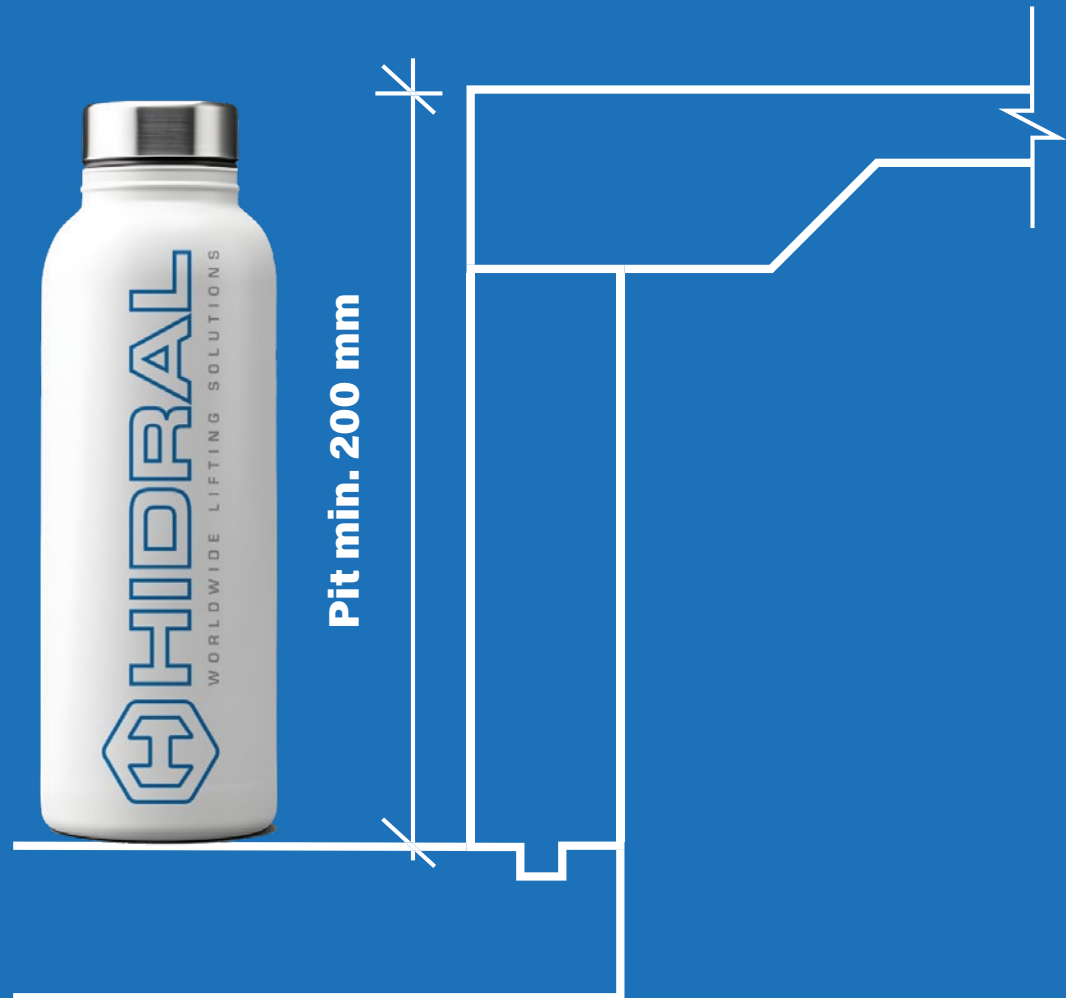
This lift complies with the 2014/33/UE Lift Directive and meets the standards of the harmonised Standard EN 81-20, with some exceptions covered by the EU Design Examination certificate issued by AENOR. Perfect for those looking for quality and reliability in vertical mobility.

## Technical data

<b>Max. travel</b>	30 m*
<b>Max. stops</b>	up to 10*
<b>Speed</b>	1 m/s (0.5 m/s for single-phase solution)
<b>Rated Load</b>	225-630 kg
<b>Min. pit</b>	200 mm**
<b>Standard headroom</b>	3400 mm (ask about the possibility of reducing the headroom)
<b>Entrances</b>	Single, 180° and 90°

\*Please consult for higher values.

\*\*Minimum 220 mm for a nominal load of 630 kg and 250 mm for a 3-leaves telescopic door. Min. pit 200 mm



Optimising space: this image shows the reduced pit depth required to install the lift compared to a 500 ml bottle. Its efficient design means the lift can be integrated even in projects where space is at a premium, eliminating the need for large excavations.

Ideal for refurbishment and new builds, it guarantees fast, versatile installation without compromising functionality.

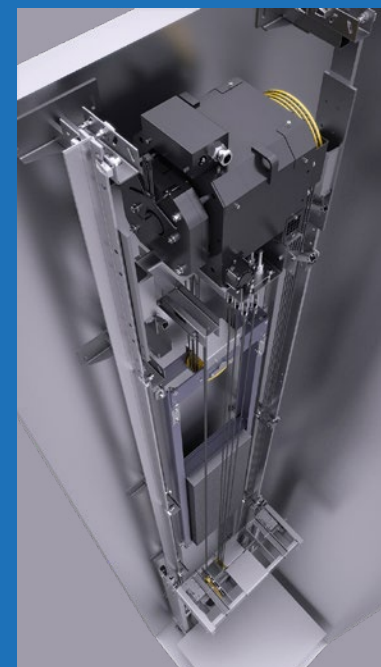
# Consumption table

Load	Motor	Current
225 kg	1.1 kW	5.3 A
300 kg	1.1 kW	7.3 A
400 kg	1.4 kW	10.8 A
450 kg	1.7 kW	10.7 A
630 kg	2.2 kW	14.0 A

Single-phase power supply **230V**

Load	Motor	Current
225 kg	2.2 kW	4.6 A
300 kg	2.2 kW	5.9 A
400 kg	2.8 kW	8.1 A
450 kg	3.4 kW	9.1 A
630 kg	4.4 kW	13.8 A

Three-phase **400V** power supply



**Motor UHe**

# Car dimensions

Maximum surface area depending on rated load (Q).

**Width (A):** between 800 and 1100 mm (between 850 and 1250 mm for cars with single entrance and with the guides opposite to the entrance).

**Depth (B):** between 900 and 1400 mm (between 800 and 1000 mm for cars with single entrance and with the guides opposite to the entrance).

**Car Height (H):** 2100 mm.

Q	A
225 kg	0.70
300 kg	0.90
400 kg	1.17
450 kg	1.30
630 kg	1.66

The high-performance Gearless motor on our UHe lifts provides both comfort for the user and remarkable smoothness of operation and precise adjustment during stops. What's more, this motor offers substantial energy savings compared with conventional machines.

It has the option of single-phase power supply (at a speed of 0.5 m/s), which significantly reduces the cost of adapting the building.

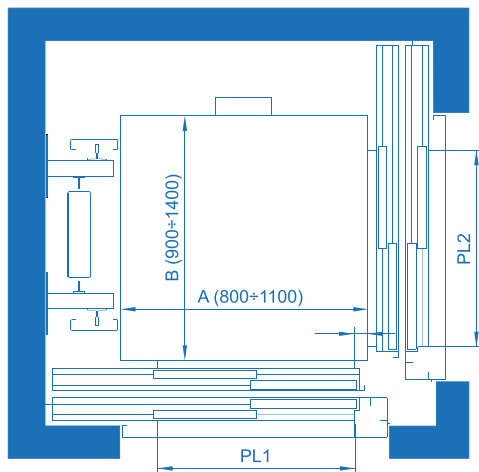


# Car Entrances

## Double entrance at 90°

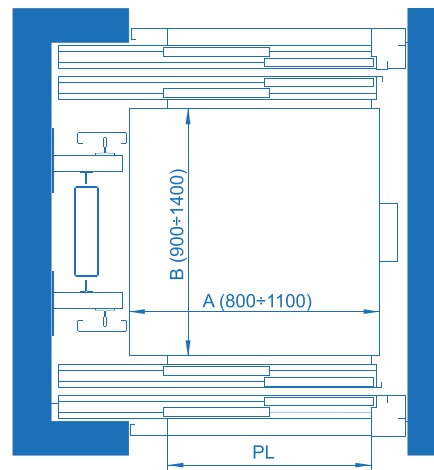
The lift doors are located at 90 degrees to each other. This means that it is possible to access the lift from two different sides, perpendicular to each other.

It is useful in architectural configurations where pedestrian traffic comes from perpendicular directions.



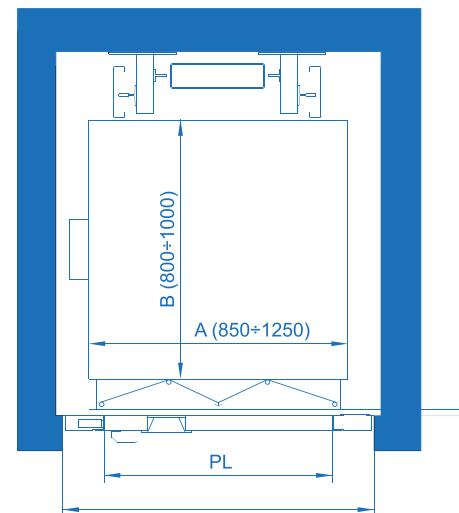
## Double entrance at 180°

180° access refers to a configuration where the car access doors are located on opposite sides of the cabin. This allows entry from one side and exit from the opposite side on different floors, facilitating the movement of people in environments where more efficient circulation is required.



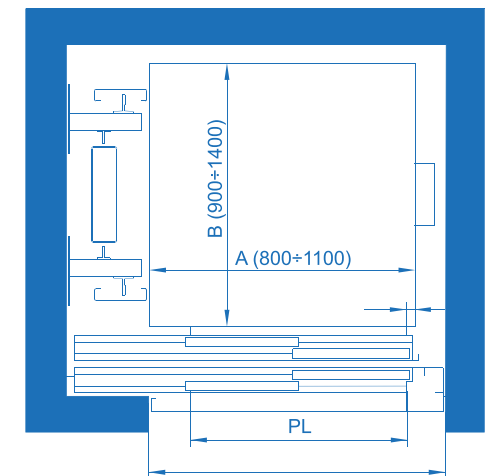
## Front Access with rear guide rails

In this type of simple boarding, there is only one access door and the lift guides (the rails on which the cabin moves) are located at the rear of the cabin, opposite the door.



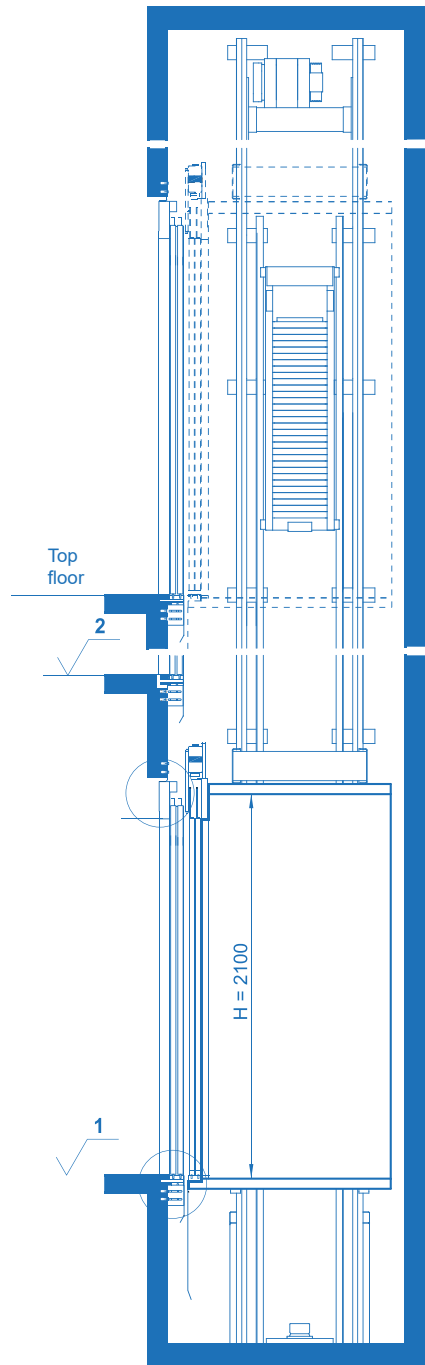
## Side Access

There is only one access door, but the guides are located on the sides of the car. The type of lift with single boarding and lateral guides is used in specific situations where the structural characteristics of the building make it impossible to place the guides at the rear of the cabin.

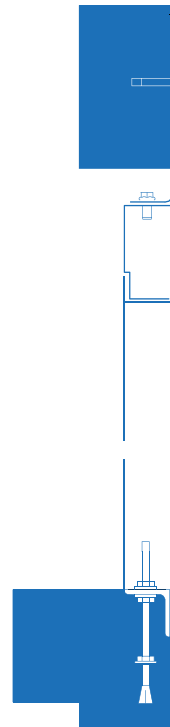


# Lateral section of the cabin shaft

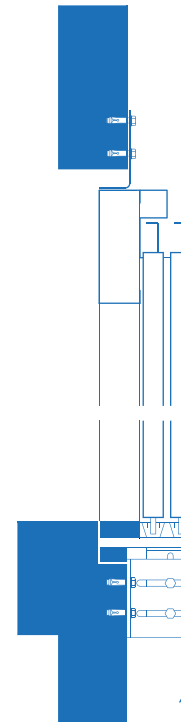
## Door options



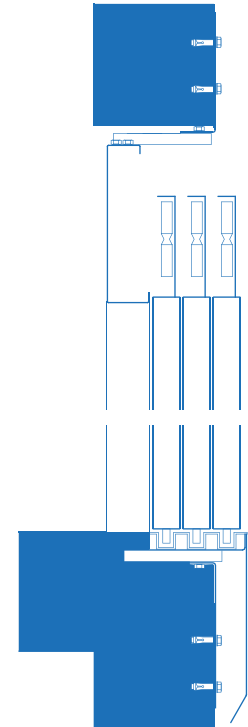
**Swing door**



**2-leaf telescopic door**

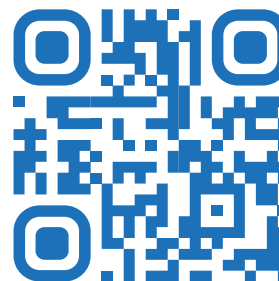


**3-leaf telescopic door**



All HIDRAL products and services are guaranteed by certification from the Spanish Association for Standardisation and Certification (AENOR). This certification confirms that HIDRAL's quality system is managed, designed, and implemented in accordance with the ISO 9001:2000 international standard. It is also an additional guarantee for its customers, who can have full confidence in its commitment and expertise.

Please note: Product finishes and options are subject to stock availability and design changes by our suppliers. It is our intention to update catalogues wherever possible. To ensure we meet your needs, please contact our technical sales department at [sales@hidral.com](mailto:sales@hidral.com).



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