Rhino.LIFT

Rhino Lift
Rhino Lift PRO

Goods-only lift

Goods lift with attendant







GLE
Global Lift Equipment

Rhinolift©:
the high performance goods only lift

Rhinolift© is a goods lift of up to 2000kg rated load, specially designed for use in buildings with high turnover and movement of goods between floors - such as shopping centres, department stores, hypermarkets and industrial installations...

Rhinolift© is a sophisticated and reliable high-performance machine, far superior to the standard platforms and goods lifts on offer.

Wide range of options available
Rhinolift© is available with load capacities of 500, 1000, 1500 or 2000kg, with a full range of lift car configurations available for each model. Over and above our wide-ranging selection of standard solutions, **GLE** can also design the exact made-to-measure **Rhinolift©** which you and your business need, adapting it to your precise specifications.

Flexible and straightforward installation
Rhinolift© installation is designed to cause the minimum disruption to the day-to-day operation of your business, and does not require messy on-site building work. **Rhinolift©** requires no extra space at all for its installation. No major construction work is necessary inside your building: the **Rhinolift©** comes with its own freestanding modular structure, fully capable of bearing the weight of the whole system.

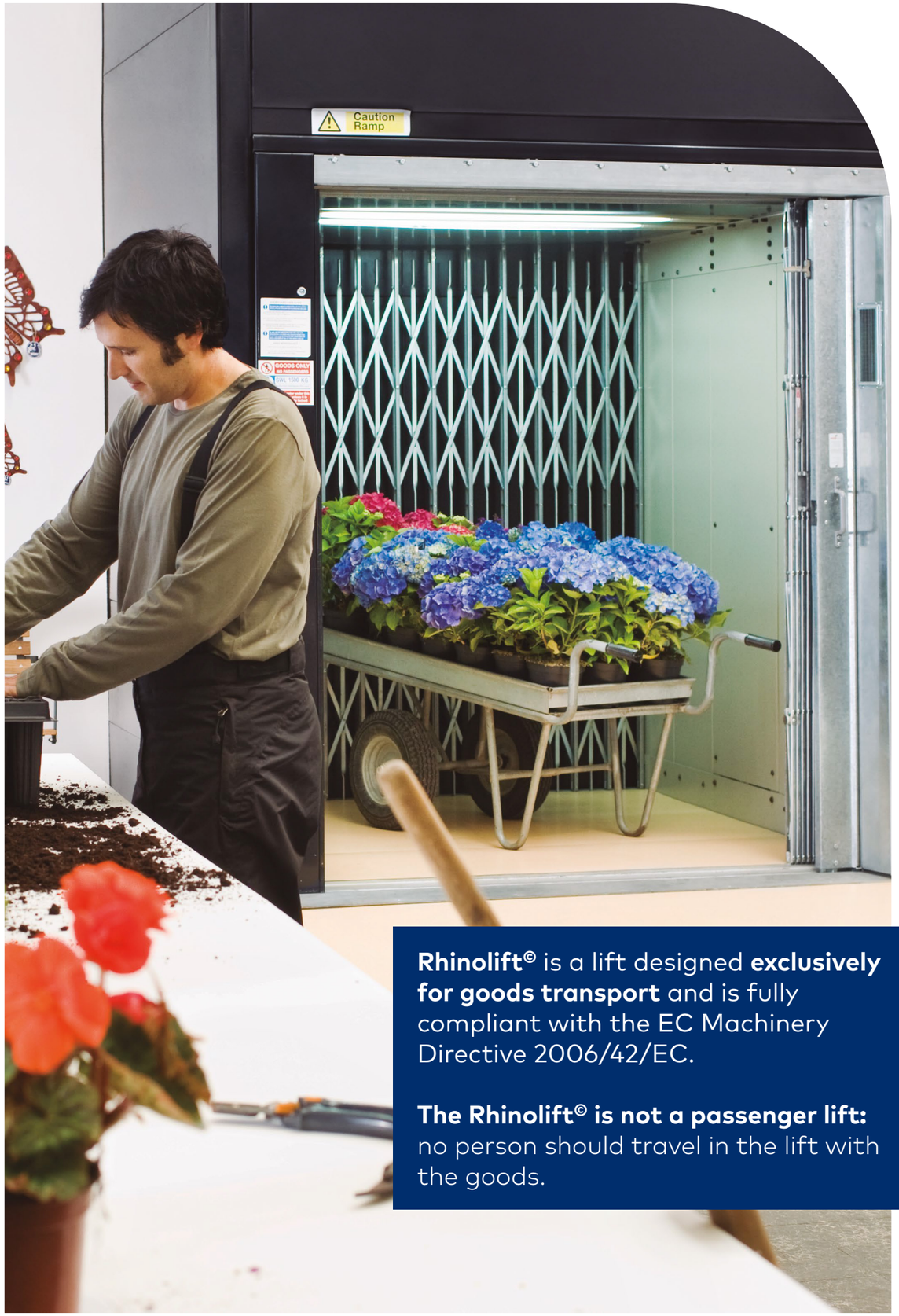
Rapid installation
Rhinolift© installation is very fast: just ten weeks after signing the order, your **Rhinolift©** will be in place and ready to start work.

No machine room, no pit and no shaft headroom
Rhinolift© requires no machine room, no shaft headroom and no pit - everything needed for its effective operation is housed within its free-standing structure, including a 100mm shaft pit.

Energy-efficient
Rhinolift© will reduce your operating costs: its energy consumption is significantly lower than that of conventional lift platforms.

Simple and safe to use
Transporting goods with **Rhinolift©** is very straightforward and completely safe for the operative.

Durability and high performance
Rhinolift© is a long-lasting installation designed to work intensively, reliably and efficiently over many years. It is a robust goods lift, equipped with sturdy and hard-wearing lift cars which guarantee the safe transport of goods. Many different options are available to adapt each **Rhinolift©** to your particular needs: in-car buffer rails and kick plates, hard-wearing floor finishes in aluminium or steel chequer plate, manual shutter gates, picket gates...



Rhinolift© is a lift designed **exclusively for goods transport** and is fully compliant with the EC Machinery Directive 2006/42/EC.

The Rhinolift© is not a passenger lift: no person should travel in the lift with the goods.

Rhinolift Pro©: the specialist goods lift with attendant

Rhinolift PRO© has been designed by applying special modifications to our best-seller **Rhinolift©** goods only lift specifically oriented to allow one or two competent attendants to accompany the freight safely and easily:

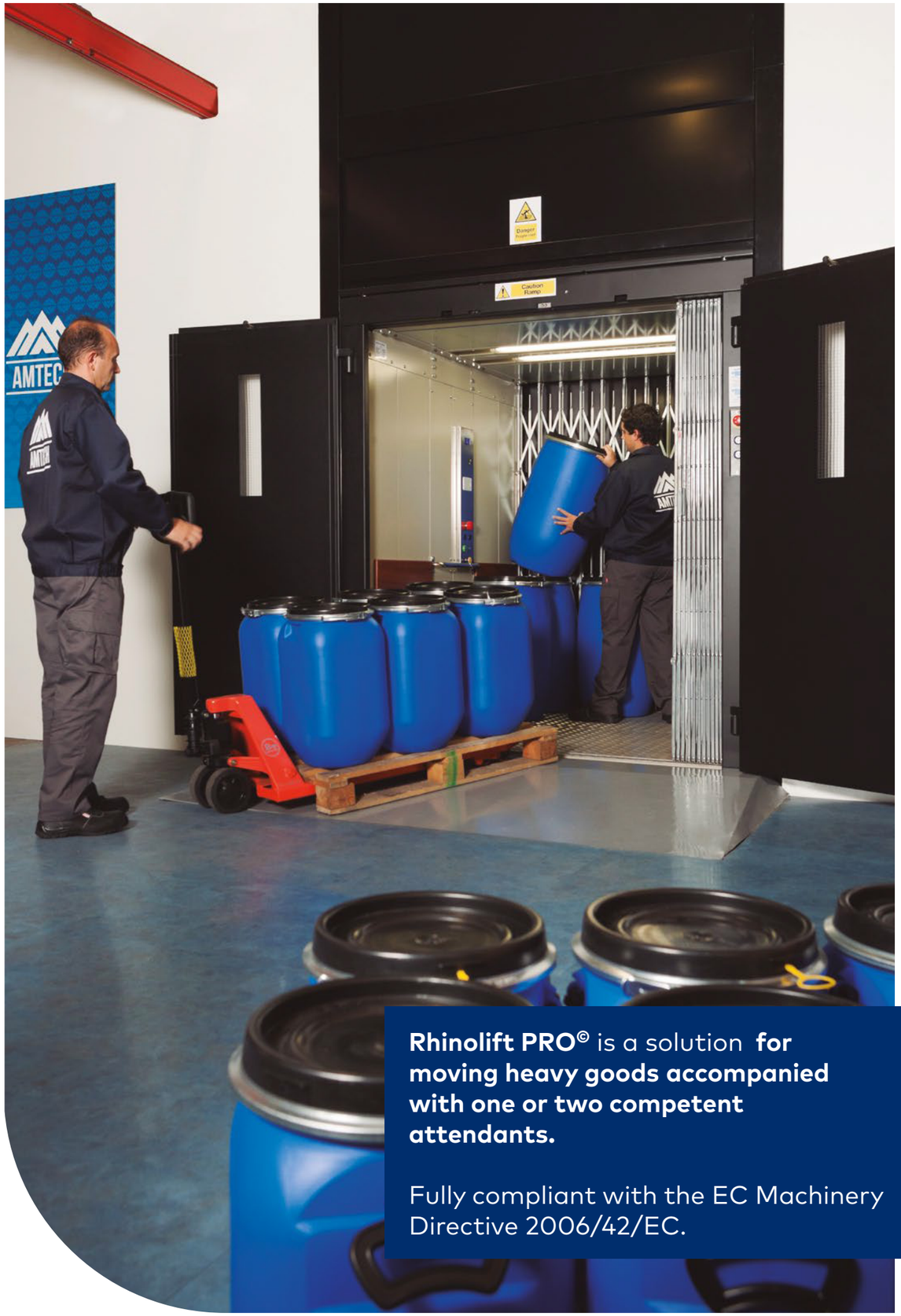
- The lift car has been equipped with a car operation panel which incorporates a constant pressure push button and emergency stop switch. The car operation panel can be equipped with a position display and voice synthesizer as an option.

- To switch on the attendant mode, a key switch has been included in the lift car to allow the attendant to operate the lift from inside the car.

- The lift can also be controlled by an automatic operation at landing.

- The attendant's security is fully guaranteed by a category 2* full height light ray installed in the car entrance. The landing doors are supplied with vision panels to ensure total visibility. The lift also incorporates an alarm in case of entrapment and it can be equipped with a telephone as an option.

- **Rhinolift PRO©** has all the advantages of the original Rhinolift plus some improvements specifically oriented to make it the absolutely best good lifts with attendant of the market.



Rhinolift PRO© is a solution **for moving heavy goods accompanied with one or two competent attendants.**

Fully compliant with the EC Machinery Directive 2006/42/EC.

Standard specifications

Rhinolift©

Rated Load	500, 1000, 1500, 2000kg
Speed	0.15m/s
Drive system geared traction machine	VVVF speed regulator
Power supply	3-phase 380-400-415 Vac
Installation	Freestanding modular structure. RAL 9005 Black. Anchoring the structure to each floor is recommended.
Lift car	Built in steel plate, finished in RAL 7032 Beige. • Floor finish in steel plate, coated in RAL 7032 Beige • Direct fluorescent lighting Other finishes available upon request.
Entrance configuration	Single or open through at 180º
Landing doors	Manual single or double hinged with window. Finished in epoxy painted steel. RAL 9005 Black. UNE EN 81-58:2004 E120
Lift car door	The standard model is supplied without car doors
Height of structure	Max. 12m
Travel	Max. 9m
Number of levels	Max. 4 levels
Guides length	5m
Minimum travel between floors with same entrance	2150mm (1800 car height + 350mm)
Minimum travel between floors with different entrance (0 and 180)	350mm
Minimum headroom	Lift car internal height + 700mm
Minimum structure headroom	Lift car internal height + 600mm
Pit	The standard package is supplied with a 100mm pit incorporated into the structure
Traction	Gearbox with 1 brake
Control system	APB call and send lift control system from landings
Landing operating panel	• Push buttons with led • Emergency stop push button
Shaft lighting	Direct fluorescent lighting
Lift car internal height	1800, 1900, 2000, 2100, 2200mm
Lift car width	From 1000mm to 2000mm in 100mm increments
Lift car depth	From 1000mm to 2000mm in 100mm increments
Minimum necessary lift shaft width	Lift car width + 470mm
Minimum necessary lift shaft depth	Lift car depth + 180mm

Rhinolift PRO©

Rated Load	500, 1000, 1500, 2000kg
Speed	0.15m/s
Drive system geared traction machine	VVVF speed regulator
Power supply	3-phase 380-400-415 Vac
Installation	Freestanding modular structure. RAL 9005 Black. Anchoring the structure to each floor is recommended.
Lift car	Built in steel plate, finished in RAL 7032 Beige. • Floor finish in steel plate, coated in RAL 7032 Beige • Direct fluorescent lighting • Galvanized car roof • Car operating panel. Floor push buttons, attendant key switch, alarm button, stop switch • Performance Level C certified light curtain system according to EN ISO 13849-1. Cat.2 Other finishes available upon request
Entrance configuration	Single, or open through at 180º
Landing doors	Manual single or double hinged with window. Finished in epoxy painted steel. RAL 9005 Black. UNE EN 81-58:2004 E120
Lift car door	The standard model is supplied without car doors
Height of Structure	Max. 12m
Travel	Max. 9m
Number of levels	Max. 4 levels
Guides length	5m
Minimum travel between floors with same entrance	2150mm (1800 car height + 350mm)
Minimum travel between floors with different entrance (0 and 180)	350mm
Minimum headroom	Lift car internal height + 700mm (+ 750mm for 1500kg and 2000kg)
Minimum structure headroom	Lift car internal height + 600mm (+ 650mm for 1500kg and 2000kg)
Pit	The standard package is supplied with a 100mm pit incorporated into the structure
Traction	Gearbox with 2 brakes
Control System	APB call and send lift control system from landings. Constant pressure lift control in car. (key switch to select operation mode)
Landing operating panel	• Push buttons with led • Emergency stop push button
Shaft lighting	Direct fluorescent lighting
Lift car internal height	1800, 1900, 2000, 2100, 2200mm
Lift car width	From 1000mm to 2000mm in 100mm increments.
Lift car depth	From 1000mm to 2000mm in 100mm increments.
Minimum necessary lift shaft width	Lift car width + 470mm
Minimum necessary lift shaft depth	Lift car depth + 180mm
Unintended car movement protection	The standard model is supplied with Unintended car movement protection means

Door options



Lift landing doors: manual (standard)



Lift landing folding doors: manual shutter gates



Lift car folding doors: manual picket gates

Technical support

- We provide our customers with detailed and comprehensive technical support (both electrical and mechanical) tailored to their particular requirements during installation and/or maintenance operations.
- In real time, in english and with real highly-qualified personnel.
- We look after the products' full life cycle.

Spare parts available

- The **Rhinolift©** and the **Rhinolift Pro©** have been designed in-house and we produce them in our own factories.
- As original designers and manufacturers, we can supply spare parts for all our units all of which are easily traceable using the lift reference number, the plan reference number, the control system reference number - not to mention the site address.
- We have a permanent spare parts stock and we can send them from our factory in a fast and secure way.



Rhinolift©
Optional extras

Access ramp
2 options:
- Painted metal sheet RAL 7032 Beige
- Aluminum checker plate finish

Guides length
2.5m

Landing doors
- **Manual folding shutter gates**

- **Manual single or double hinged with window**
  Finished in stainless steel AISI314.
  UNE EN 81-58:2004 E120

- **Manual single or double hinged with window.**
  Finished in stainless steel AISI316.
  UNE EN 81-58:2004 E120

Car doors
Manual picket gates, with or without electrical interlock

Car roof
Galvanized metal sheet

Car floor
A choice of:
- Rubber
- Aluminum checker plate
- Steel checker plate



Unintended car movement protection means

In-car buffer rails and kick plates
- Wood
- Stainless steel
- PVC

Push buttons
Keyed push buttons

“Out of Service” function
Key switch to block Rhinolift use

Lift car
Direct LED lighting

Ladder
Ladder with supports to access the rescue hatch.

Installation kits
Assembly tools are available both for the mechanical system and for the modular structure.

- **A Type**
  Where the clear space above the modular structure is over 500mm

- **B Type**
  Where the space above is less than 500mm and the lift car depth less than or equal to 1500mm

- **C Type**
  Where the space above is less than 500mm and the lift car depth is greater than 1500mm

- For the structure. Installation platforms.

Rhinolift PRO©
Optional extras

Access ramp
2 options:
- Painted metal sheet RAL 7032 Beige
- Aluminum checker plate finish

Guides length
2.5m

Landing doors
- **Manual folding shutter gates**

- **Manual single or double hinged with window**
  Finished in stainless steel AISI314
  UNE EN 81-58:2004 E120

- **Manual single or double hinged with window**
  Finished in stainless steel AISI316
  UNE EN 81-58:2004 E120

Car doors
Manual picket gates, with electrical interlock

Car floor
A choice of
- Rubber
- Aluminum checker plate
- Steel checker plate

In-car buffer rails and kick plates
- Wood
- Stainless steel
- PVC



Push buttons
Keyed push buttons

"Out of Service" function
Key switch to block Rhinolift PRO use

Lift car
- Direct LED lighting
- Car light timer
- Hand rail: Stainless steel / Painted

Ladder
Ladder with supports to access the rescue hatch

Installation kits
Assembly tools are available both for the mechanical system and for the modular structure

- **A Type**
  Where the clear space above the modular structure is over 500mm

- **B Type**
  Where the space above is less than 500mm and the lift car depth less than or equal to 1500mm

- **C Type**
  Where the space above is less than 500mm and the lift car depth is greater than 1500mm

- For the structure. Installation platforms.

Firemen operation function
When it is switched on, the lift will go to the evacuation floor.

Intercom between Car operating panel and control panel

Autodialer
- In car operating panel
- Inductive loop
- Bottom car telephone module



Building Management System with alarm push button and position

Voltage free contacts

Alarm push button

- Pit
- On the top of the car

3 hours emergency car light

Voice synthesizer

Car operating panel engraving

- Logo
- Lift reference plate/CE mark
- Telephone instructions

Landing operating panel options

- Logo engraving
- 3" LCD Vertical display
- Keypad

Pushbuttons options

- M10
- US91

Car operating panel options



BCA1



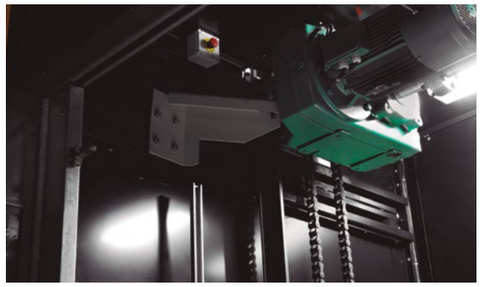
BCA2

BCA1

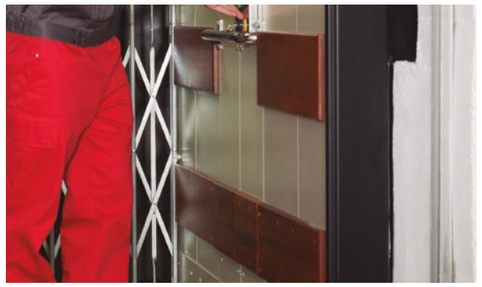
- 150mm width x 585mm height x 2mm depth.
- 5,90 inches width x 23.03 inches height x 0,08 inches depth.

BCA2

- 175mm width x 585mm height x 780mm depth.
- 6,89 inches width x 30,71 inches height x 0,98 inches depth.



The geared traction motor is housed in the upper part of the modular structure, removing the need for a separate machine room.



The inside of the lift car is finished with coated steel sheeting and is very durable and hard-wearing. Further car wall protection is available in the form of buffer rails and kick plates.



The freestanding modular structure incorporates a 100mm shaft pit, requiring a straightforward loading ramp. As an alternative, a 100mm pit can be built below the structure.





Dimensions guide

Both **Rhinolift** and **Rhinolift PRO** are designed to take maximum advantage of the available space and optimise its productive use.

NOTE: The widths and depths available are entirely independent of each other. Any depth can be combined with any width across all the rated load capacities.

In the case of a fully enclosed lift shaft: at the terminal landing there must be 600mm clearance above the door opening to allow access to the maintenance trapdoor. On the other floors, the structural opening must be at least the lift car headroom + 180mm.

LIFT CAR					STRUCTURE	SHAFT
Width	Entry Clearance			Car internal height	Width	Width
	No lift car door		Manual folding picket gate			
	Manual Shutter gate	Outswing				
1000	805	900	805	Car height	1404	1470
1100	905	1000	890	Car height	1504	1570
1200	1005	1100	970	Car height	1604	1670
1300	1105	1200	1070	Car height	1704	1770
1400	1205	1300	1155	Car height	1804	1870
1500	1275	1400	1235	Car height	1904	1970
1600	1375	1500	1335	Car height	2004	2070
1700	1475	1600	1420	Car height	2104	2170
1800	1575	1700	1500	Car height	2204	2270
1900	1650	1800	1600	Car height	2304	2370
2000	1750	1900	1685	Car height	2404	2470

LIFT CAR					STRUCTURE	SHAFT
Depth	Entry clearance				Depth	Depth
	SINGLE ENTRANCE		OPEN THROUGH			
	Manual shutter gate	No gate	Manual folding picket gate	No gate		
1000	850	950	800	1000	1120	1180
1100	950	1050	900	1100	1220	1280
1200	1050	1150	1000	1200	1320	1380
1300	1150	1250	1100	1300	1420	1480
1400	1250	1350	1200	1400	1520	1580
1500	1350	1450	1300	1500	1620	1680
1600	1450	1550	1400	1600	1720	1780
1700	1550	1650	1500	1700	1820	1880
1800	1650	1750	1600	1800	1920	1980
1900	1750	1850	1700	1900	2020	2080
2000	1850	1950	1800	2000	2120	2180

GLE

Global Lift Equipment

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AENOR GESTIÓN DE LA CALIDAD ISO 9001 ER-0426/1997

AENOR SEGURIDAD Y SALUD EN EL TRABAJO ISO 45001 SST-0008/2008

AENOR GESTIÓN AMBIENTAL ISO 14001 GA-2008/0458

CE

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