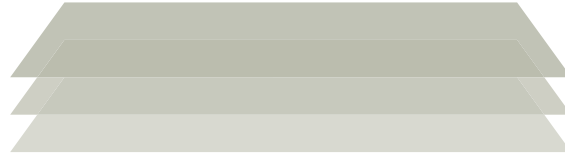
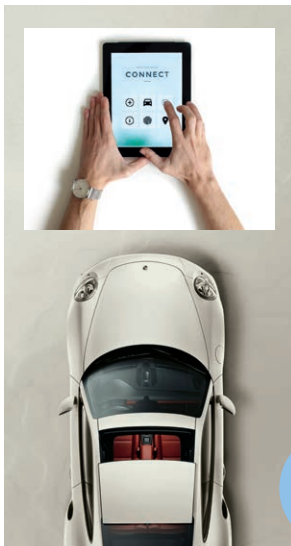


DE PARK

Parking. Surprisingly simple.



DATA SHEET **DE-65**



DE-65 (without pit)

The perfect solution for Outdoor installation or in halls with high ceilings.

Independent parking on 3 levels with semi-automatic control

D

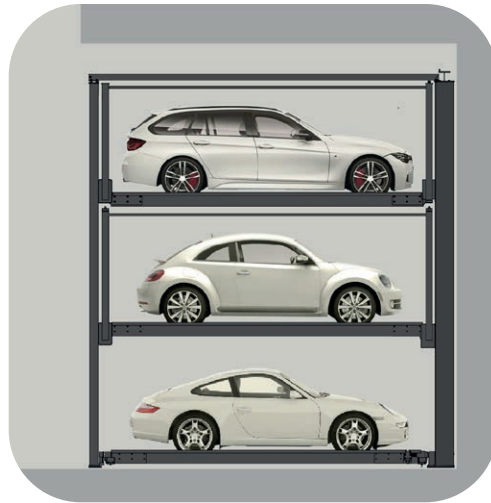
Digital Parking Technologies

Made in Germany

Modular arrangement in segments,

minimum 2 segments for 4 vehicles are required.

Platforms are horizontally accessible.



- Suitable for **condominium, office buildings, hotels** and the **automotive sector**.
- Usable for **trained and permanent users only**.

VEHICLE WEIGHT (max.)



Standard

- 2000 kg, 500 kg wheel load

Optional

- 2600 kg, 650 kg wheel load

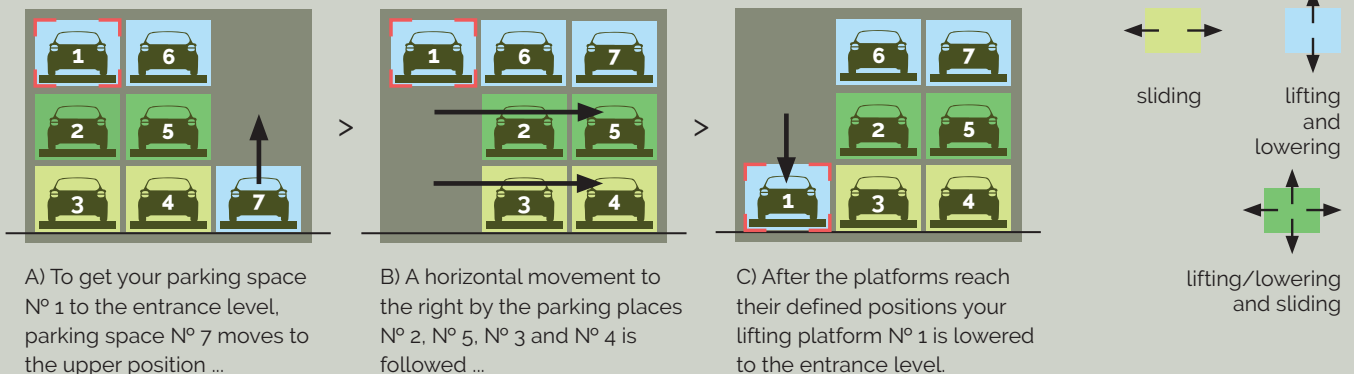
Vehicle display for automotive sector!

Brilliant solution for vehicle presentation and intermediate storage of vehicles. The system can be covered with a glazed facade.

THE FUNCTIONALITY OF DE-PARK DIGITAL

Our Digital Series have a combination of lifting and sliding platforms. There is one sliding platform at entrance and middle level less per system. A system with up to 10 segments and 28 parking spaces is possible. You can choose your parking space with one touch at the control panel.

The example shows 3 grids with 7 parking places: 2 empty space are needed for the movement.



Our Standard Design for you!



Fig. above: DE-611 for demonstration purposes only.

FLAT PLATFORMS

offer higher comfort and safety for driver and car.

Easy to walk and easy to drive.

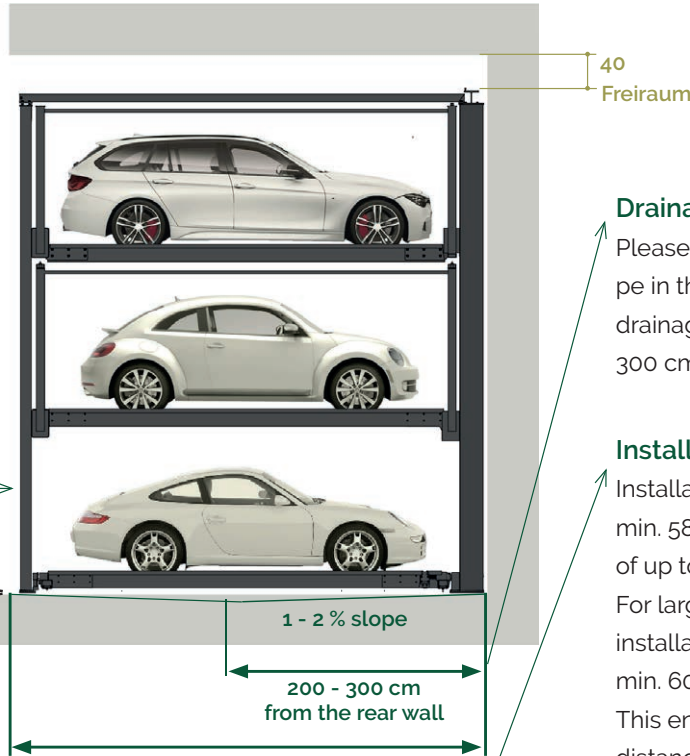
LENGTH DIMENSIONS

DIMENSIONS in cm

Doors
Scope of supply in accordance to DIN EN 14010 with doors.

slope: max. 3 %

raise: max. 5 %



Drainage

Please provide 1 to 2 % slope in the floor. Distance for drainage in the area of 200 bis 300 cm from the back wall,

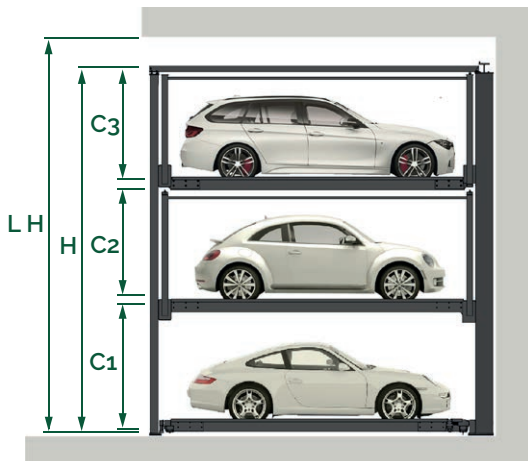
Installation length

Installation length of min. 580 cm for vehicle length of up to 500 cm is required. For large touring sedans an installation length of min. 600 cm is recommended. This enables also larger safety distances, if newer, longer vehicles are purchased.

Installation length 580 cm for vehicle length up to 500 cm

Installation length 600 cm for vehicle length up to 520 cm

HEIGHT DIMENSIONS

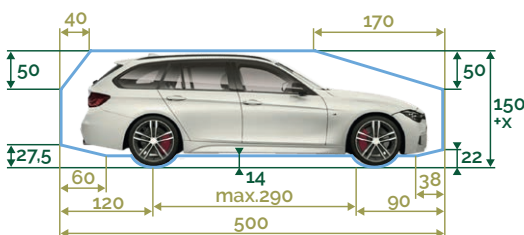


- LH = clear height*
- H = system height*
- C1 = vehicle height bottom**
- C2 = vehicle height middle**
- C3 = vehicle height top**

Other dimensions are available upon request.

LH	H	C1	C2	C3		C1	C2	C3
540	500	150	150	150	or	-	-	-
570	530	160	160	160	or	180	150	150
600	560	170	170	170	or	190	160	160
630	590	180	180	180	or	200	170	170
660	620	190	190	190	or	-	-	-
690	650	200	200	200	or	-	-	-
720	680	210	210	210	or	-	-	-

CLEARANCE PROFILE



*Pit (notification to clear height)

A pit depth of 10 cm is required for a floor level access. Otherwise, the platforms are delivered with an integrated access ramp in the front area. Please note that the dimensions LH (clear height) and H (system height) are reduced about 10 cm in case of the pit version.

**Vehicle height (notification to C1/C2/C3)

Higher cars can be parked on the platform above in case of more ceiling height. The total vehicle height, including the roof rack, antenna, etc., must not exceed the mentioned maximum height values.

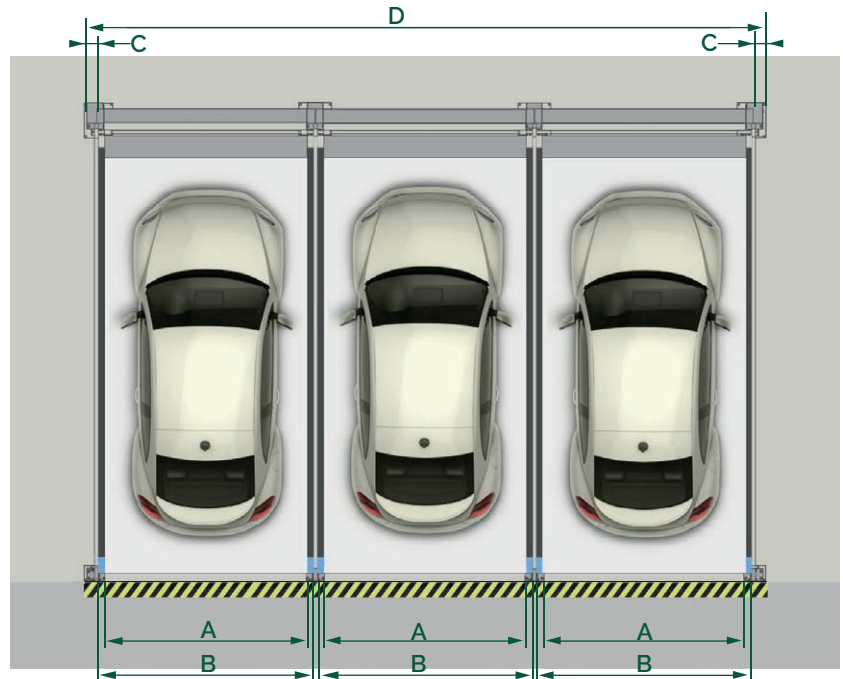
WIDTH DIMENSIONS

ARRANGEMENT IN SEGMENTS

A = parking width (clear platform width)
 B = segment width
 C = additional width* (outer segments)
 D = total system width

Parking width A	Segment width B	Additional width C
230	250	15
240	260	15
250	270	15
260	280	15
270	290	15

*The outer segments require an additional width of 15 cm = 30 cm in total.



A driving lane in front of each segment is required for access.

DE-65 is available with **10 segments** for **28 parking spaces** within one system.

Parking width A	Total system width** D by x segments								
	2 seg. 3 cars	3 seg. 5 cars	4 seg. 7 cars	5 seg. 9 cars	6 seg. 11cars	7 seg. 13 cars	8 seg. 15 cars	9 seg. 17 cars	10 seg. 19 cars
230	530	780	1030	1280	1530	1780	2030	2280	2530
240	550	810	1070	1330	1590	1850	2110	2370	2630
250	570	840	1110	1380	1650	1920	2190	2460	2730
260	590	870	1150	1430	1710	1990	2270	2550	2830
270	610	900	1190	1480	1770	2060	2350	2640	2930

- **Tolerance of dimensions on the construction site = 0 to + 3 cm..
- We recommend a parking width of at least 250 cm for a comfortable parking.

HYDRAULIC UNIT

The hydraulic unit is placed in the rear area of the system between the columns.

Up to 10 segments can be operated with one hydraulic unit.

Dimensions of hydraulic unit (width x depth x height)

approx. 120 cm x 30 cm x 60 cm

OPERATION of parking systems

Touch-Screen control unit
with key-switch and emergency stop button

„FDS remote-diagnosis-system“

for a quick online analysis and reliable diagnosis for smooth operation .

Available as an option.

To be provided on site:

DSL line with internet access
at the control cabinet.

**OPERATION in semi-automatic function
by Touch-Screen control unit.**

Choose your parking space simply and conveniently by touch screen and follow the movement of your platform on the screen. The control unit is activated by a key-switch to ensure a safe access for permitted users only. Access gates at the entrance of the system are required for safety reasons.

Mounting of control unit:

Wall mounting (in-wall / surface-mounted).

Alternative mounting options are available upon request.

“Stay comfortably in your car and let the system do the rest.”



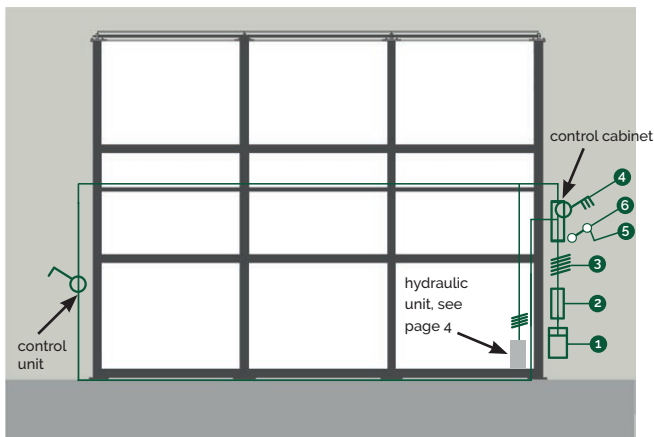
Upgrade: Operation by remote control

Each user receives a coded remote control for its parking space.

By simply pushing the button, the system will provide the selected platform.

The opening and closing of the gates by remote control is only possible when using electrically driven gates. Also external access gates and / or vehicle detectors can be operated by remote control.

ELECTRIC INSTALLATION



Installation diagram (front view)

Control cabinet

The control cabinet must be placed outside the moving range but close to the system.

- **Dimensions for up to 3 segments (width x depth x height):**
approx. 800 mm x 600 mm x 210 mm
- **Dimensions for up to 4 segments to max. 10 segments (width x depth x height):**
approx. 1000 mm x 1000 mm x 300 mm

To be provided from customer:

Pos.	Description
1	Electric meter
2	Fuse or automatic circuit breaker according to DIN VDE 0100, part 430, 3 x 16 A slow
3	Supply line 5 x 4,0 mm ² (3 PH + N + PE) to main switch according to local regulations
4	Main switch lockable
5	Connection for the protective potential equalization according to DIN 60204
6	Protective bonding all 10 m
7	Empty pipe DN 40 with taut wire to hydraulic unit and control unit

Power supply/system performance

- power supply: 400 Volt, 50 Hz, 3 phase
- system performance: 2 x 4,0 kW

All other components are part of our scope of delivery.

GATES

The design and fixation of the gates is designed project-specific.

We offer customized solutions for each project needs.

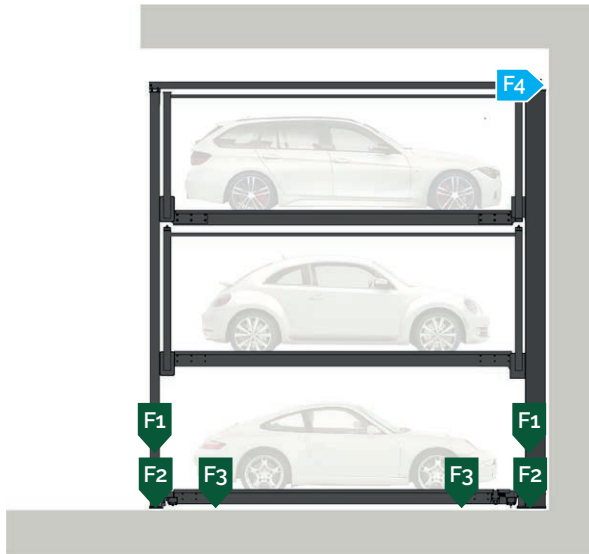
Please contact us with your planning. We would be pleased to give you advise.

OUTDOOR INSTALLATION

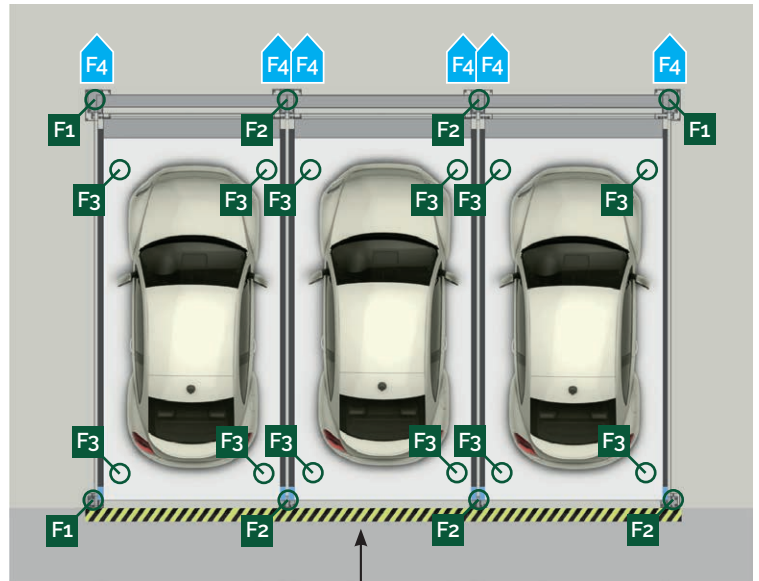
The system must be covered with a facade on all 4-sides and with a roof.

Please contact us. We would be pleased to give you advise to the different design options.

CONSTRUCTION REQUIREMENTS (see also planning notes)



Stand-alone installation or fixation at a rear wall



A yellow-black marking in front of each grid, 10 cm wide, according to ISO 3864 has to be provided (on-site)

FORCES TO THE STRUCTURE

	2000 kg	2300 kg	2600 kg
F1	24 kN	26 kN	28 kN
F2	43 kN	48 kN	52 kN
F3	9 kN	11 kN	13 kN
F4	10 kN	12 kN	14 kN

Horizontal forces

- F1** Start column + end column
- F2** Middle columns
- F3** Guide rails (4 rollers per platform)

Vertical forces

- F4** When fixation at a rear wall.

➔ The system requires a pit with a depth of 10 cm for a floor level installation of the platforms. Otherwise, without pit, the platforms are delivered with an integrated ramp in the front area.

ANCHORING & FLOOR REQUIREMENTS

The systems are directly anchored into the floor with heavy duty anchor bolts. The depth of the drill hole is approx. 13 cm. The base plate thickness must be minimum 20 cm with a concrete quality according to the static requirements of the building. Minimum requirement of the concrete quality is C20/25. The precise position of the load application points is available on request.

Please also adhere to **EVENNESS TOLERANCES TO DIN 18202, table 3, line 3**. Exact levelling of the

ground by the customer is essential. The distance between the lower flange of the platforms and the garage ground must not exceed 2 cm.

GUIDE RAILS

Guide rails are installed on the flat ground surface for horizontal movement of the sliding platforms. The width of the rails is approx. 3 cm and the height is approx. 2.5 cm.

WALLS (only if available)

Walls on the entry side and rear are to be made of concrete and completely flat (without protruding parts).

PLANNING NOTES**Maintenance, cleaning and prevention**

The systems must be serviced and cleaned regularly according to our operating instructions. Please ensure that there is sufficient drainage.

**Safety fences • Barriers**

Must be installed in the pedestrian area, accessible areas around the system as per DIN EN ISO 13857 (on site, also during the installation).

**Ventilation**

The parking garage must be adequately ventilated.

**Lighting**

The parking spaces must be adequately illuminated on site as per regulations.

**Temperature**

Temperature range from - 5 to + 40° C.
Relative humidity max. 80 %.
Please contact DE-PARK in case of different conditions.

**Noise emissions**

According to the noise insulation regulations for buildings to DIN 4109, a value of 30 dB (A) must be complied with in occupied rooms and spaces. You receive a sound insulation package with the system for the required 30 dB (A) insulation of the structure is also necessary. Sound reduction index min. $R_w = 57$ dB.

**Fire safety**

The garage design must fulfil the regional fire safety provisions. The requirements can vary. Therefore the situation must be clarified and information obtained in advance by the customer and then agreed and coordinated.

**Declaration of conformity**

Car Parking Systems of DE-PARK are conform to EG-Machinery Directive 2006/42/EG and to DIN EN 14010 (safety).



DE PARK

Faszinierend. Einfach. **Parken.**

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