

data sheet **DE-10**

**DE-10** is an independent parking system without a pit. Our transversal sliding platform optimizes the available space and reduces the traffic area in the garage.

**EASY TO PLAN** with space saving construction.

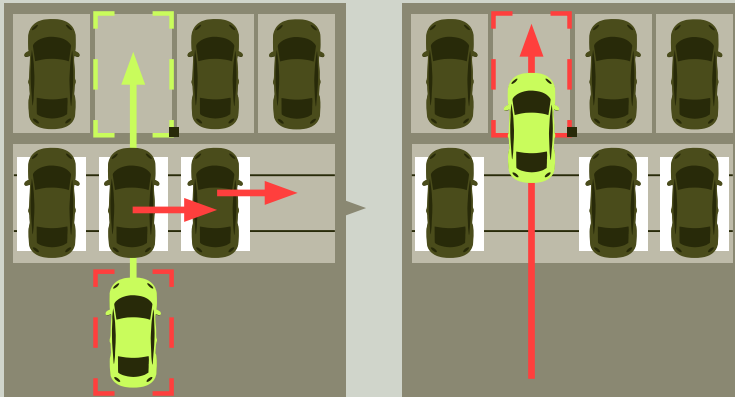
**EASY TO INSTALL** with minimized parts construction.

**EASY TO USE** due to barrier free construction.

**A1**

OR

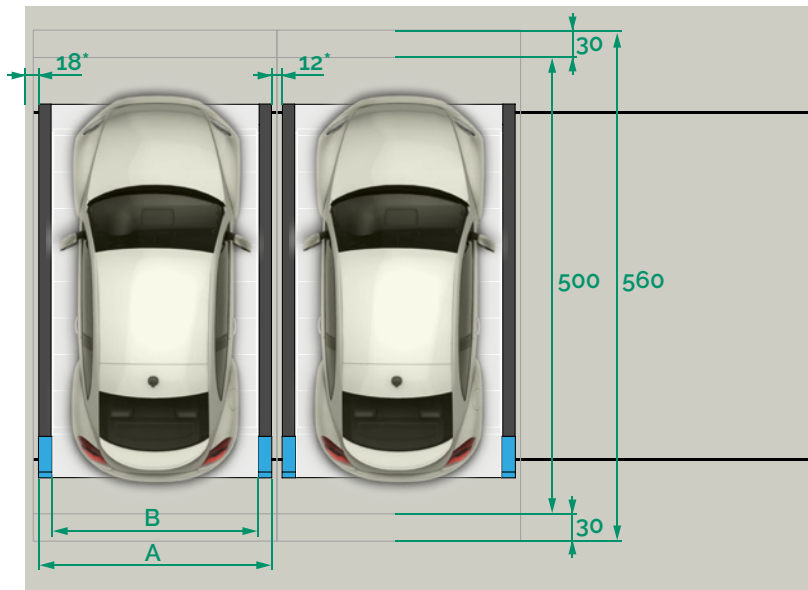
**D1**



## 1. FUNCTIONALITY OF THE DE-10 SYSTEM

The transverse sliding platforms use the spaces behind pillars and on corners. They are electrically driven and move on rails.

One empty space in a system row allows the cars to reach the row located behind.



## 2. WIDTH OF PARKING SPACE / SYSTEM (IN CM)

A = outer width  
B = inner width  
C = additional Space

Outer width A	Inner width B
225	195
235	205
245	215
255	225

\* If the distances cannot be complied, additional safety precautions are necessary.

## 3. LENGTH OF PARKING SPACE / SYSTEM (IN CM)

### Height

In areas with higher ceilings, taller vehicles can be parked.

### System length

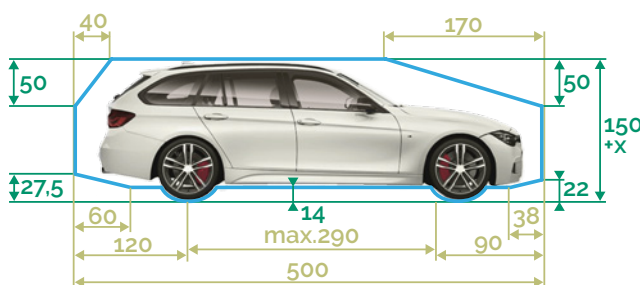
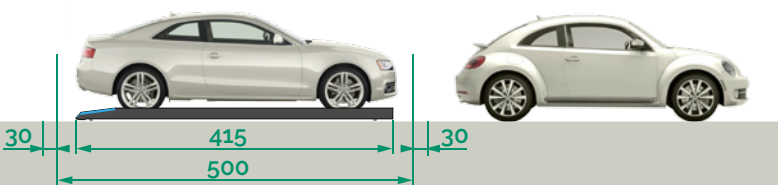
For a 500 cm car length a 560 cm system length is necessary.

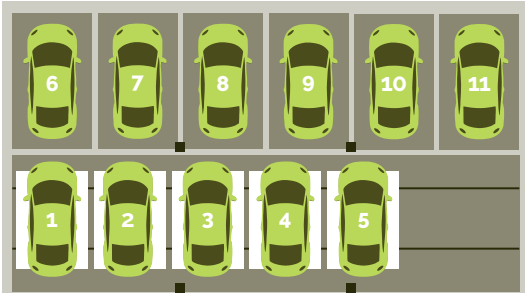
### Dimensions

- All dimensions are minimum finished dimensions in cm.
- Allow for tolerances to VOB Part C (DIN 18330, 18331) and additionally DIN 18202 (+ 30 mm / 0 mm).
- As required in DIN EN 14010 the distance between the front or rear of a parked car on the parking platform is 30cm

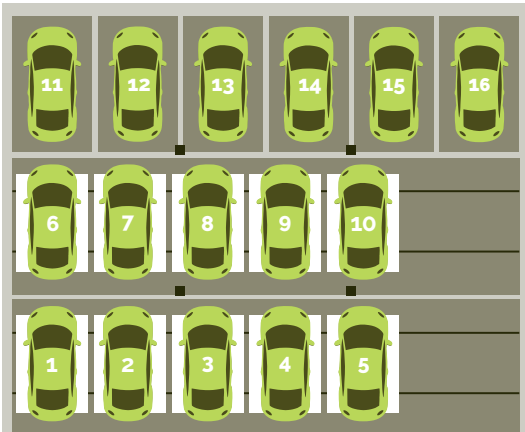
### Maximum vehicle weight

- 2000kg / 500kg wheel load
- 2600kg / 650kg wheel load





Arrangement example with 11 parking places on 2 rows.



Arrangement example with 16 parking places on 3 rows.



## 4. ARRANGEMENT POSSIBILITIES

The transverse sliding platforms can be combined in several parking rows one behind another.

## 5. ACCESS CONDITIONS

### Floor evenness and tolerances

According to DIN EN 14010, the maximal safety distance between the lowest part of the platforms and the garage floor must not exceed 2cm. Therefore, the exact evenness of the floor by the customer is necessary.

To comply with the requirement, the evenness tolerances of the driving lane floor should be according to DIN 18202, table 3, line 3. Do not use cast asphalt!

### Drainage

- 1-2 % slope on the outside of the platform.

## 6. FORCES TO THE FLOOR

	2000 kg	2600 kg	
F1	7,5 kN	9,0 kN	The given forces are traffic load.

## 7. ANCHORING

- Systems are anchored into the floor. The hole depth is approximately 10 cm.
- The quality of the concrete in the structure (for the parking system) must be at least C20/25.

## 8. TYPE OF CONTROL

### Interactive control unit:

Our system is controlled analogue or digitally: The DE-10 parking system of up to 2 platforms is controlled with a interactive key switch unit. For DE-10 parking systems of 3 or more platforms a PC touch screen unit is used. With one touch you can choose your parking place. You can view the progress of the provision on the screen.

Digital Control unit for parking systems with 3 or more platforms.



## 9. ELECTRICAL ELEMENTS

• The control cabinet must be placed outside the moving range of the system.  
We recommend positioning the cabinet near the system for a better overview of the system.  
The space in front of the cabinet must be minimum 1,00 m for opening the door and the operator.

### Services provided in the system:

- Operator terminal including operator presence control with raising and lowering.
- Emergency stop placed outside of the system's range of movement.

### To be provided from customer:

Item	Description
1	Electric meter
2	Fuse or automatic circuit breaker according to DIN VDE 0100 part 430, max. 16 A
3	According to local power supply regulations 3 PH + N + PE
4	Main switch lockable
5	Connection for the protective potential equalization DIN 60204
6	Protective bonding all 10m

## 10. REQUIREMENTS

### Maintenance, cleaning & prevention

- The systems must be serviced and cleaned regularly. This applies more so if the systems and the platforms are exposed to aggressive substances such as salt, water, dirt, operating supplies, sand, etc.
- Adequate drainage must be ensured.

### Ventilation and Lighting

- The garage must be adequately ventilated.
- The parking spaces must be adequately illuminated on site as specified.

### Ambient conditions

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



### Separating elements / Barriers

According to EN ISO 13857, separating elements or barriers must be installed in the pedestrian area / accessible areas around the parking system, including during installation.



### 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.

## 11. CE AND CONFORMITY



### The systems conform to ...

- EN 14010-2009-12 Safety of Machinery - Equipment for power driven parking of motor vehicles
- Machinery Directive 2006/42/EC

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