

data sheet **DE-40**

DE-40 is our dependent parking-system with interactive control. A simple and elegant solution to double the parking place capacity of your garage.

A2

EASY TO PLAN with space saving construction.

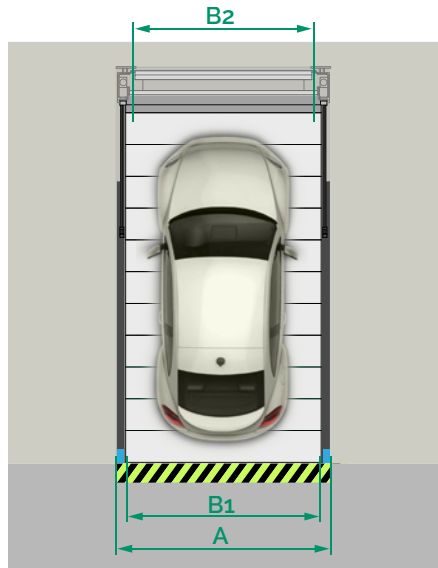


EASY TO INSTALL with minimized parts construction.



EASY TO USE due to barrier free construction.





1. WIDTH OF PARKING SPACE / SYSTEM (IN CM)

A = system width ^{1*}

B1 = usable parking space width

B2 = parking space width to GaVO (Regs.)

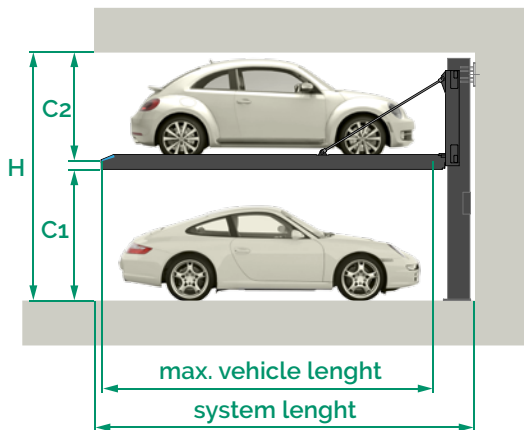
A	B1	B2
250	230	220
260	240	230
270	250	240
280	260	250
290	270	260
300	280	270

^{1*} Tolerance of dimensions on the construction site = 0 to + 3 cm

2. DIMENSIONS (IN CM)

H = clear height

C1/C2 = vehicle height bottom / top ^{2*}



H	C1	C2	C1	C2	C1	C2		
320	150	150	-	-	-	-		
330	160	150	-	-	-	-		
340	170	150	or	160	160	-		
350	180	150	or	170	160	-		
360	190	150	or	180	160	or	170	170
370	200	150	or	190	160	or	180	170

Special dimensions are available upon request.

^{2*} The vehicle height with roof rails, antenna and other height increases must not exceed the listed max. vehicle heights.

3. TECHNICAL DATA

Maximum vehicle weight

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

Height

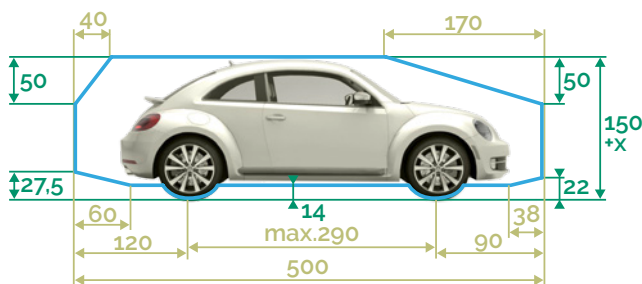
In case of larger ceiling height, higher vehicles can be parked on the top platform accordingly.

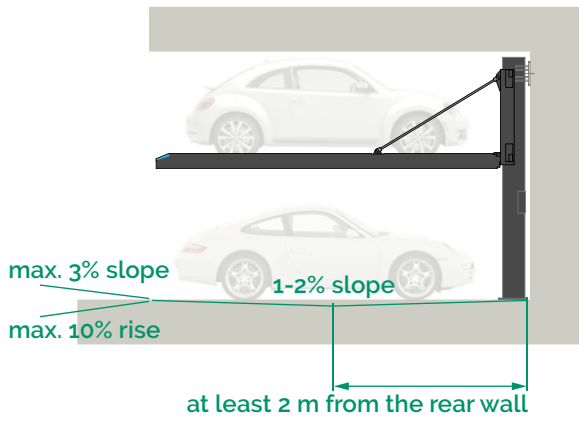
System length

For a 500 cm car length a 540 cm system length is necessary. A system length of 550 cm is recommended. This enables larger safety distances, if newer, longer vehicles are purchased.

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).
- In case of partition walls 15x15 cm opening for hydraulik pipes are necessary in the walls. Do not close the opening after the installation.





4. ACCESS CONDITIONS

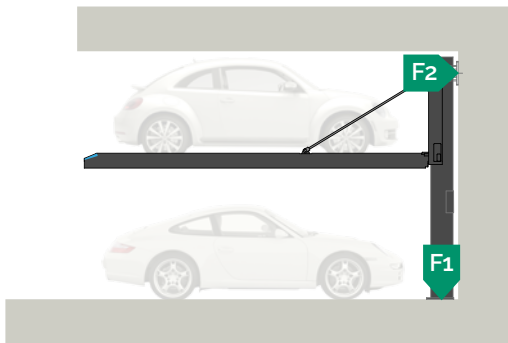
Maximum slope / rise

- Max. 3% slope ^{3*}
- Max. 10% rise ^{3*}

Drainage

- 1-2 % slope on the floor.

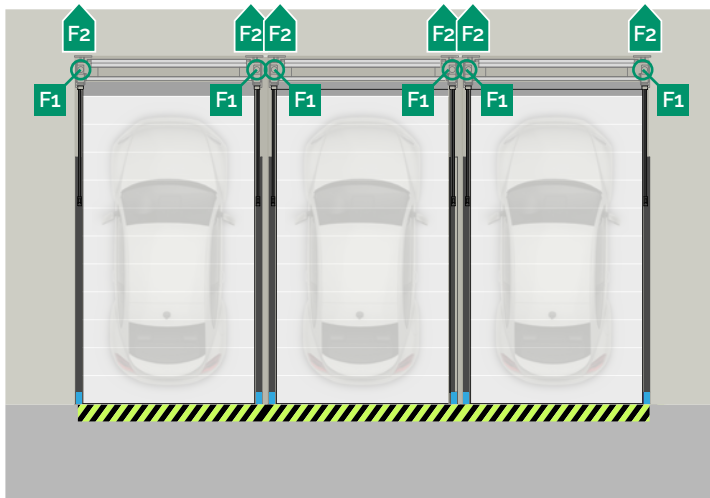
^{3*} In case of higher values, safe access of the vehicle cannot be guaranteed by DE-PARK.



5. FORCES ON THE STRUCTURE

	2000 kg	2600 kg
F1	20 kN	25 kN
F2	20 kN	25 kN

- The forces apply to one pillar.
- If pillars are next to each other the figures double, as both pillars are fixed in one point.
- The force F2 can also be absorbed via the ceiling (ceiling fixation available on request).



6. ANCHORING

- Systems are anchored into the floor and rear wall. The hole depth is approx. 13 cm.
- The quality of the concrete in the structure (for the parking system) must be at least C20/25.
- The precise position of the load application points depends on the selected system. For precise values, please contact DE-PARK.



7. TYPE OF CONTROL

Interactive control unit:

We replaced the dead man's control function from the turning key to a set of two interactive push buttons. This advancement provides additional comfort, security and functionality.

- The push buttons are illuminated so that the control unit can provide information on the system status.
- This new system allows the integration of many custom safety solutions.

8. ELECTRICAL ELEMENTS

Connected load of unit: 3 kW / 400 V / 50 Hz

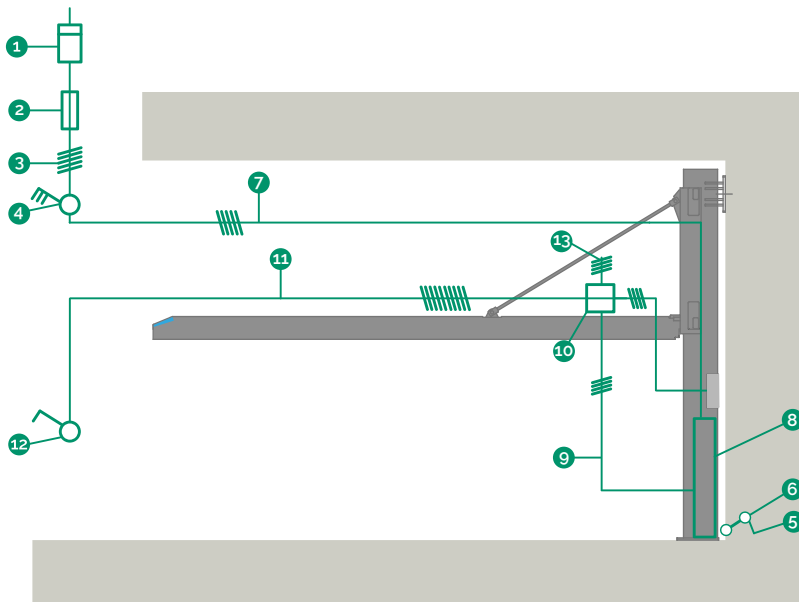
Services provided in the system:

- Operator terminal including two interactive push buttons for 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

All other parts provided by DE-PARK.



9. SYSTEM-RELATED 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

The garage must be adequately ventilated.

10. LEGAL REQUIREMENTS



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.



Noise emissions

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

11. REQUIREMENTS ON SITE

Ambient conditions

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

Lighting

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

12. 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



Design changes

We reserve the right to continuously develop our product on the basis of technical progress and to make changes and/or modifications to parts, assemblies or overall, to processes and to standards with no advance notice.

DE-PARK IS MAKING YOUR LIFE EASY:

GERMAN MADE WITH A SLIM & MODULAR DESIGN
EASY PLANNING AND SETUP

LOW MAINTENANCE CONSTRUCTION
EASY TO USE WITH LOW NOISE EMISSIONS

NO PILLARS IN THE ENTRY AND PEDESTRIAN AREA
EASY MANOEUVERING AND SENSORLESS POSITIONING

FLAT & CONTINUOUS PLATFORM
EASY TO CLEAN AND COMFORTABLE TO WALK ON



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