



MAKING PLACE



DATASHEET S01 (WITHOUT PIT)

Independent car parking system with
semiautomatic controls

TRONIK PARKING TECHNOLOGIES



DESIGNED, DEVELOPED AND MADE IN GERMANY.

LEGEND



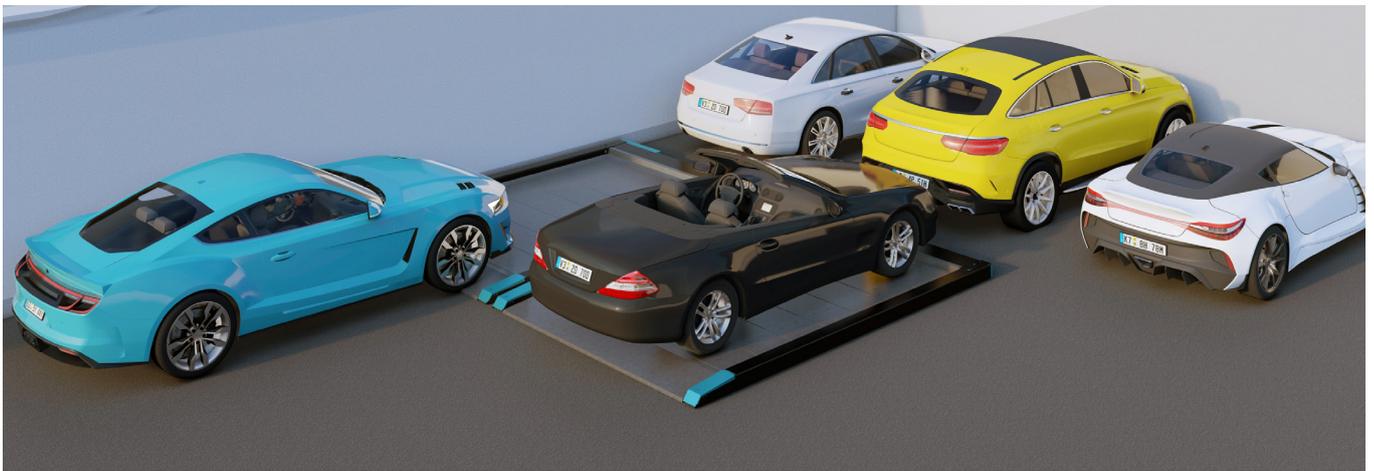
The offered systems comply with DIN EN 14010 and the EU Machinery Directive 2006/42/EC.



Maximum load per parking space (kg) for single parking systems.



A charging station can be retrofitted at any time.



PRODUCT DESCRIPTION S01

Maximum space utilization

The S01 parking system is an independent car parking system with laterally movable parking pallets, installed directly on the ground.

It maximizes the number of parking spaces even in confined areas and is ideally suited for residential, office, and commercial buildings.

With this system, passenger cars can also be parked behind columns or in recesses.

Semi-automatic operation via touchscreen ensures intuitive use.

Thanks to its robust construction and space-saving design, the system provides a reliable and efficient parking solution.

ADDITIONAL DOCUMENTATION

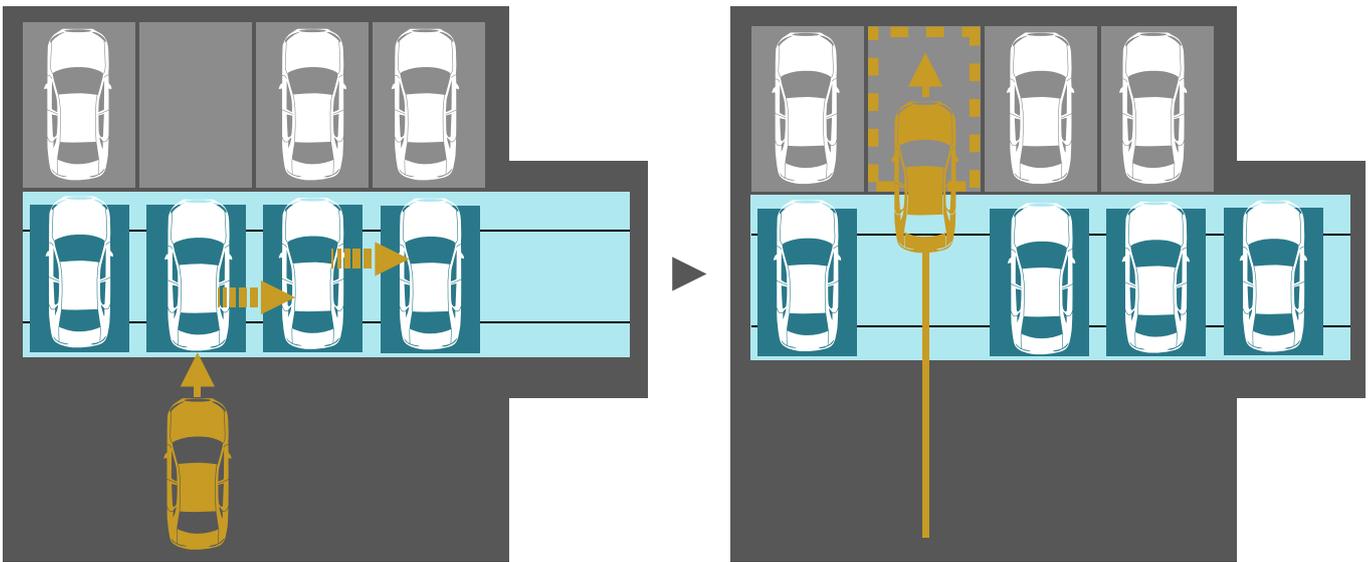
 [drive-on plates-PDF](#)

MORE CAPACITY IN LESS SPACE

The pallets can be arranged in multiple rows; only a single empty space per row is required to allow access to any parking space at any time.

By flexibly moving and compacting the pallets, the number of parking spaces can be significantly increased — often even doubled.

INDIVIDUAL, LATERALLY MOVABLE PARKING PALLETS ALLOW FOR UP TO TWICE AS MANY PARKING SPACES.



Our comfort standard:

- Level platforms for convenient parking and unparking
- Barrier-free design for safe and comfortable operation



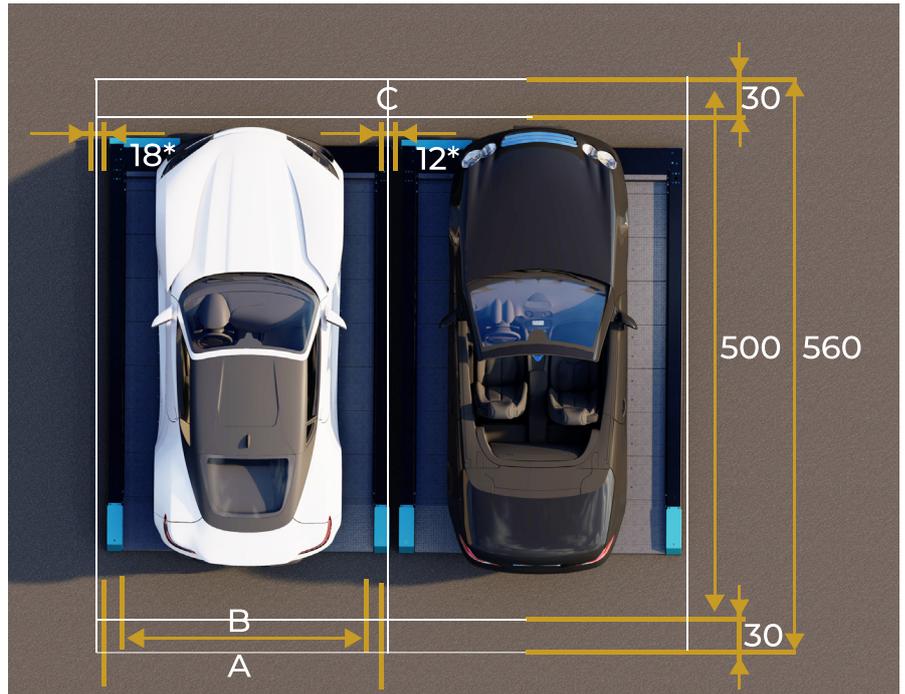
INSTALLATION DATA

A	B
225	195
235	205
245	215
255	225

PARKING SPACE WIDTH / SYSTEM WIDTH (IN CM)

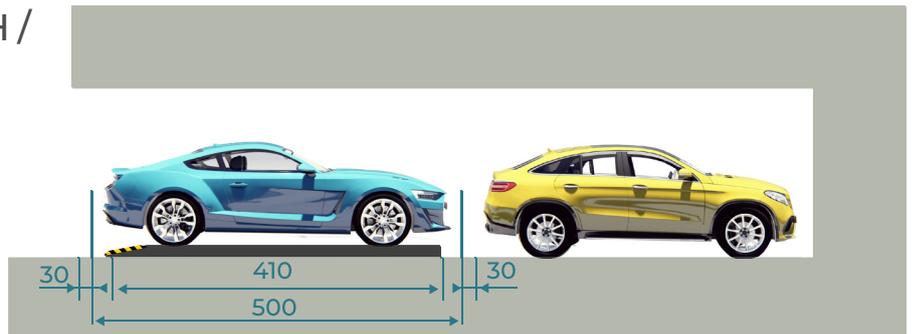
A = System width (outer grid)
 B = Parking space width (inner grid)
 C = Required clearance between the pallets*

*Regarding C: If the required clearances cannot be maintained, additional safety measures are necessary.



PARKING SPACE LENGTH / INSTALLATION LENGTH (IN CM)

Vehicle length	500 cm
Installation length	560 cm
Platform length	410 cm



The maximum vehicle height is determined by the available clear height of the parking garage minus a safety clearance of 5 cm to the ceiling.

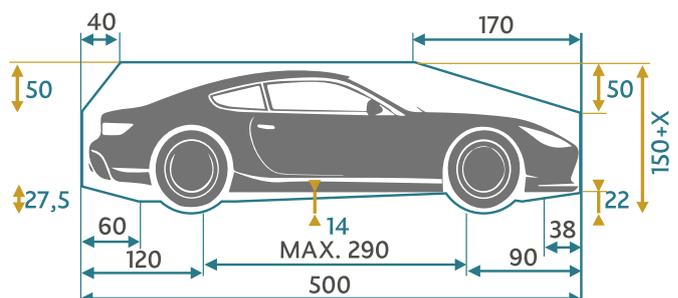
VEHICLE WEIGHT (MAX.)		
	weight	Wheel load
standard	2000 kg	500 kg
optional	2600 kg	650 kg

CLEARANCE PROFILE (IN CM)

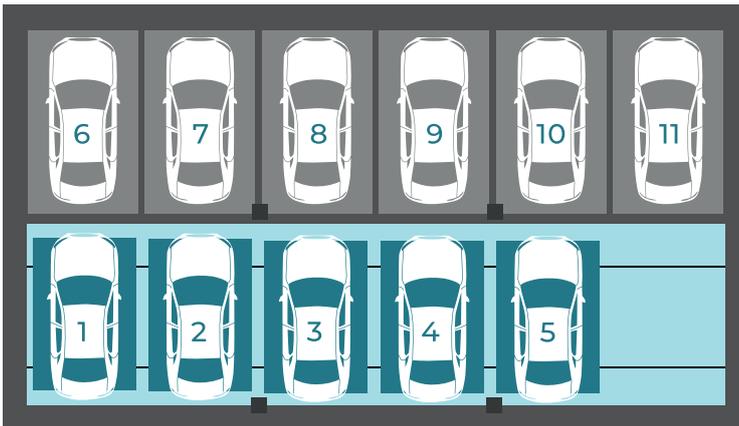
In accordance with DIN EN 14010, an installation length of 5.60 m is required for a 5 m passenger car. A safety clearance of 30 cm between vehicles or between the vehicle and the building structure must be ensured. Lowered vehicles or vehicles with pronounced front spoilers can only be parked to a limited extent.

DIMENSIONS

All specifications are minimum dimensions. In addition, the tolerances according to VOB Part C (DIN 18330, DIN 18331) as well as DIN 18202 apply.

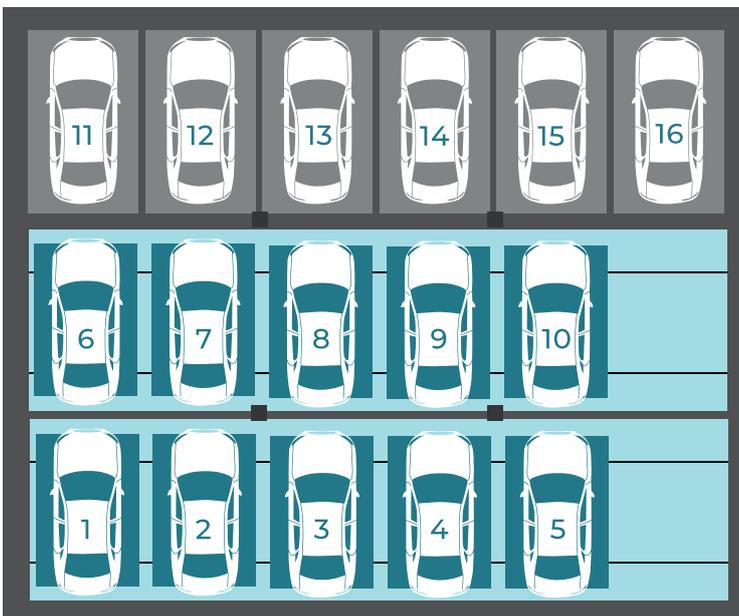


LAYOUT OPTIONS



Example 1:

Arrangement of 11 parking spaces in two rows positioned one behind the other.



Example 2:

Arrangement of 16 parking spaces in three rows positioned one behind the other.

The laterally movable parking pallets can be installed in front of existing parking spaces in multiple consecutive rows. Only a single empty space per row is required to provide access.

CONTROL AND OPERATION

Operation is semi-automatic via an interactive touchscreen control unit.

The desired parking space is selected with a fingertip, after which the process is started by pressing and holding the push button and is visualized on the display.



STRUCTURAL DESIGN (SEE ALSO PLANNING NOTES)

Requirements for the installation surface

The parking pallets are anchored to the floor using dowels (drilling depth approx. 7 cm). The concrete slab must have a minimum thickness of 20 cm and a concrete strength appropriate to the structure, but at least C20/25. Mastic asphalt is not permitted.

In accordance with DIN EN 14010, the distance between the lowest point of the parking pallets and the garage floor must not exceed 2 cm.

Therefore, sufficient floor levelness must be ensured on site.

The driving lanes must comply with the levelness tolerances specified in DIN 18202, Table 3, Line 3.

LOAD IMPACT		
	2000 kg	2600 kg
F1	7.5 kN	9 kN



ELECTRICAL INSTALLATION

The parking pallets are electrically driven and move on rails. Each pallet is equipped with its own power supply. The pallets are driven by electric motors. To ensure safe movement of the vehicles, the pallets are guided securely by two rails with a height of 10 mm.

Customer-side provisions:

Item Description

- 1 Electricity meter
- 2 Fuse or circuit breaker according to DIN VDE 0100, Part 430, 3 × 16 A, slow-blow. For larger systems, a higher-rated fuse may be required.
- 3 Power supply line to the main switch according to local regulations, 3 PH + N + PE
- 4 Lockable main switch
- 5 Connection for equipotential bonding according to DIN 60204

Power connection / System capacity:

Power requirement: 400 V, 50 Hz, 3 phases
Power consumption: 3.0 kW

Electrical installation – control cabinet

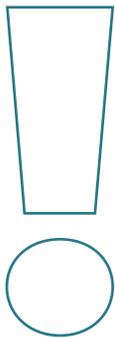
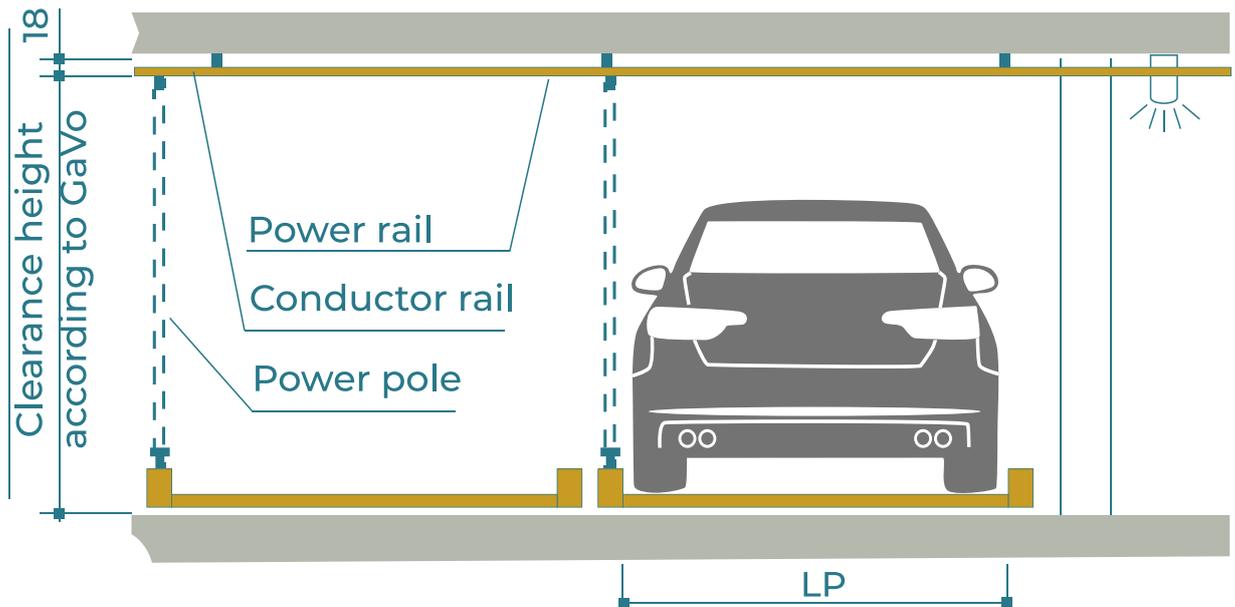
• Dimensions (depth × width × height):

approx. 1200 mm × 1600 mm × 210 mm

• Position:

The control cabinet should be installed outside the movement area of the system, but in close proximity. Please allow a minimum clearance of 1 meter in front of the cabinet for door opening and sufficient space for authorized personnel.

Power supply via overhead conductor rail



In accordance with DIN EN 14010, a safety clearance of 300 mm must be maintained between the front and rear bumpers of vehicles parked on the ParkBoards and fixed structural elements of the surroundings.

Vehicles with a length of up to 500 cm may extend longitudinally by up to 50 cm between the columns.

For longer vehicles, a length of 500 cm should not be exceeded unless the maximum permissible vehicle or parking space depth is reduced or light barriers are used.

The operating personnel must be positioned in such a way that the entire platform is fully visible during operation and all movements can be safely monitored.

- Standard equipment included in the basic configuration
- Special versions available as optional features
- Empty conduit with pull wire to the control cabinet; specification defined by Making Place as part of the detailed engineering
- The empty conduit for the power rail routing must be provided on site
- To comply with the minimum access width in accordance with DIN 18202, a reduced width must be provided

PLANNING INFORMATION

Maintenance, cleaning, and care

To ensure safe and long-term operation, the system must be serviced and cleaned regularly. Adequate drainage must also be ensured.

Railings and barriers

Traffic areas adjacent to or behind automated parking systems must be secured on site with suitable barriers or guardrails in accordance with DIN EN ISO 13857.

Ventilation and lighting

The parking garage must be ventilated in accordance with applicable regulations. Adequate lighting must be provided to ensure visibility and safety.

Temperature

range: -5 °C to +40 °C.

Relative humidity: max. 80 %.

For deviating conditions, please contact us.

Fire protection

Any applicable requirements or measures must be determined and implemented on site.

Conformity

Making Place car parking systems comply with the EU Machinery Directive 2006/42/EC and DIN EN 14010.

IMPRINT



Datasheet S01

12/2025

Making Place

Friesenstraße 9

14776 Brandenburg an der Havel