



MAKING PLACE



DATENBLATT S02 (WITHOUT PIT)

Independent two-level car parking system

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.



The system is barrier-free and suitable for wheelchair users.



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



A charging station can be retrofitted at any time.



PRODUCT DESCRIPTION S02

The **S02** is a semi-automatic car parking system without a pit for two parking levels. It is suitable for residential buildings, office and commercial properties, as well as for the automotive sector. Thanks to vertically and horizontally moving platforms, up to 19 vehicles can be accommodated in a space-saving modular segment design. Operation is carried out via a touchscreen control unit or, optionally, by remote control; without gates, manual operation is possible via a key switch.

With flat platforms, innovative sliding gates and a remote diagnostics system, the system offers a high level of comfort and safety.

Technical data: Vehicle weight up to 2000 kg (optional 2600 kg), clear height from 330 cm, minimum installation length 545 cm. Made in Germany, compliant with EU directives.

Additional documents



Drive-on plates (PDF)



Gate options (PDF)

Modular arrangement in segments

MINIMUM OF **2 SEGMENTS FOR 3 VEHICLES**

ALL PLATFORMS ARE **HORIZONTALLY ACCESSIBLE**

Ideal for **residential buildings, office and commercial properties**, and the automotive sector.

Use is restricted to a defined and trained group of users.

Installation indoors; outdoor installation available on request.

Vehicle weight (max.)

	Weight	Wheel load
Standard	2000 kg	500 kg
Optional	2600 kg 3000 kg	650 kg 750 kg



FUNCTIONAL DESCRIPTION

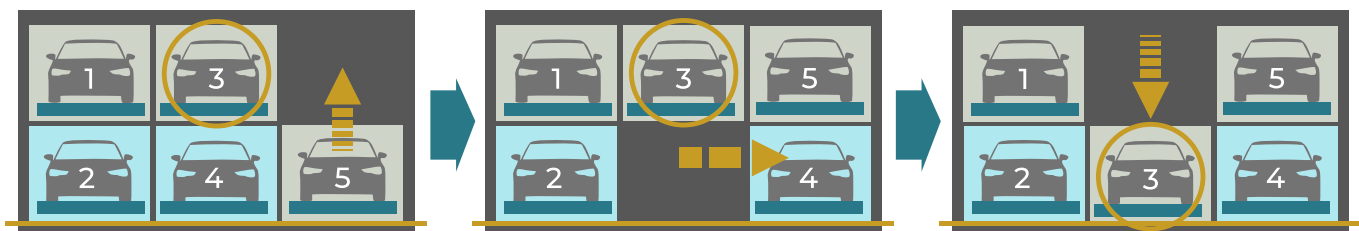
Making Place S-Systems

Our digital series combines vertically and horizontally moving platforms. For the sliding process, one empty space is always kept free on the access level. The desired parking space is selected conveniently at the control terminal by pressing a button.



Example:

3 segments with 5 parking spaces plus one empty space.



A) In order for parking space no. 3 to move downward, parking space no. 5 is moved upward.

B) Parking space no. 4 is then shifted sideways.

C) Parking space no. 3 subsequently moves downward to the access level.

Our comfort standard

- No columns in the front area
- Flat platforms for convenient entry and exit
- Elegant gates and innovative solutions for comfortable and safe maneuvering

LENGTH DIMENSIONS

Ⓐ Clearance

Space for on-site installation.

Ⓓ Clear entrance height

Clear entrance height at the lintel in accordance with the applicable Garage Regulation (GaVO); with gates, minimum 210 cm. Please check the relevant local GaVO.

Ⓑ Space

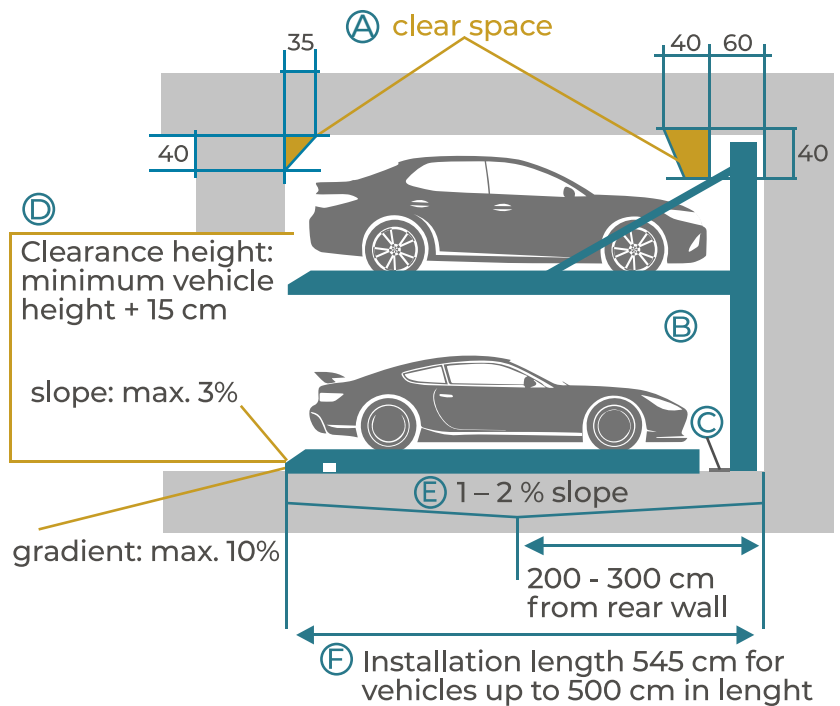
No building columns are permitted within the area of the parking system.

Ⓒ Earthing

Equipotential bonding between the foundation earth electrode and the system (to be provided on site).

Ⓔ Drainage

A floor slope of 1–2% must be provided. Drainage should be positioned 200–300 cm from the rear wall. We recommend installing a drainage channel (10 × 2 cm) with a sump pit (50 × 50 × 20 cm).



Ⓕ Installation length

For vehicles up to 500 cm in length, a minimum installation length of 545 cm is required. For longer vehicles up to 520 cm, the installation length should be at least 560 cm.

Shorter versions are generally possible; however, local parking regulations must always be observed.

For comfortable use, we generally recommend an installation length of 550 cm.

Thanks to the innovative design, the parking space can be accessed very comfortably. The continuous flat platform ensures high comfort and maximum safety.

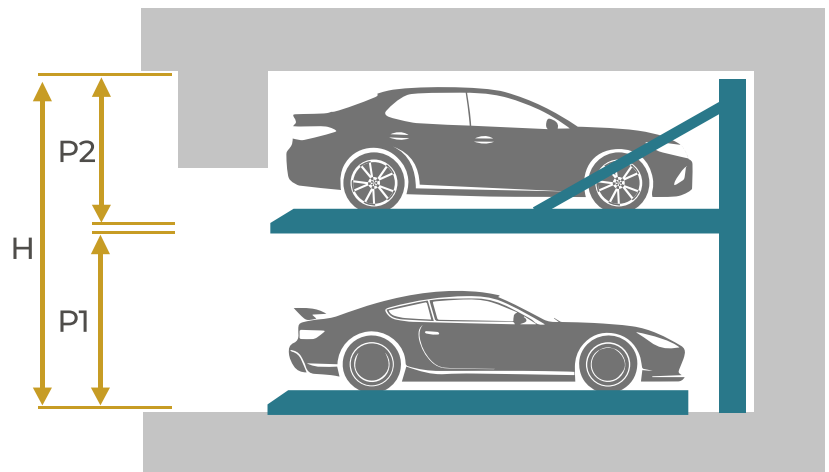
A gentle ramp angle and the lowered side beam facilitate maneuvering and reduce the risk of collisions.

IMPORTANT: If a gate is planned, please refer to the “Gate” brochure.

HEIGHT DIMENSIONS

The maximum vehicle height – including roof racks, antennas or similar attachments – must not exceed the specified limits.

If greater ceiling height is available, taller vehicles can also be parked on the upper platform.



Clear Height (H)	Vehicle height bottom (P1)	Vehicle height top (P2)		Vehicle height bottom (P1)	Vehicle height top (P2)		Vehicle height bottom (P1)	Vehicle height top (P2)
330 cm	150 cm	150 cm		-	-		-	-
340 cm	160 cm	150 cm		-	-		-	-
350 cm	170 cm	150 cm	or	160 cm	160 cm	or	-	-
360 cm	180 cm	150 cm	or	170 cm	160 cm	or	-	-
370 cm	190 cm	150 cm	or	180 cm	160 cm	or	170 cm	170 cm
380 cm	200 cm	150 cm	or	190 cm	160 cm	or	180 cm	170 cm

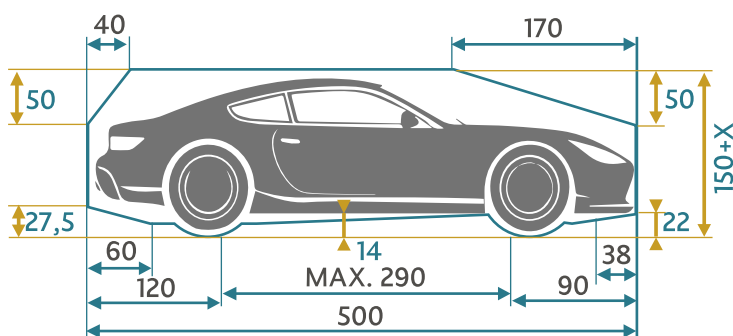
Overview of dimensions:

Maximum vehicle height bottom (P1): 200 cm

Clear height (H): minimum 330 cm

Maximum vehicle height top (P2): depends on the building structure; greater clear height allows taller vehicles on the upper level

CLEARANCE PROFILE



Maximum height:



The vehicle, including roof racks, antennas, etc., must not exceed the specified maximum values.

Upper platform:



With greater ceiling height, taller vehicles can also be parked there.

Dimensions:



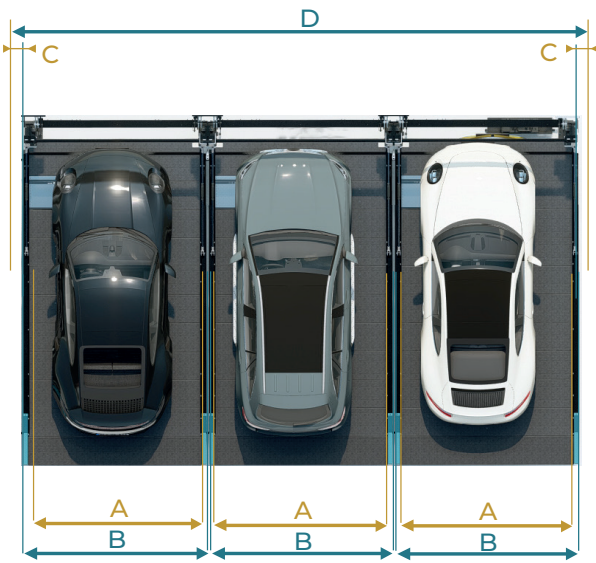
All specifications are minimum dimensions.

Standards & tolerances:



The following standards also apply:
VOB Part C (DIN 18330, DIN 18331)
DIN 18202

WIDTH DIMENSIONS



SEGMENT DESIGN

- A = Parking space width (clear platform width)
- B = Segment width
- C = Additional width (outer segments)
- D = Total width

(All dimensions in centimeters)

Each segment grid requires an access lane (entry/exit).

Stellplatzbreite A	Segmentbreite B	Zusatzbreite C
230 cm	250 cm	10 cm
240 cm	260 cm	10 cm
250 cm	270 cm	10 cm
260 cm	280 cm	10 cm
270 cm	290 cm	10 cm

■ Due to the design, the clear parking width of the sliding platform is generally about 15 cm narrower than that of the lifting platform.

- Thanks to the flat side panels, sufficient space remains for parking as well as comfortable entry and exit.
- Each of the two outer segments requires an additional 10 cm in width.
- On site, dimensional tolerances of 0 to +3 cm are permitted.

The **S02 model** can be flexibly expanded – up to 10 segments with a total of 19 parking spaces are possible.

parking width A	Total width D across x segments								
	2 seg. 3 vehicle	3 seg. 5 veh.	4 seg. 7 veh.	5 seg. 9 veh.	6 seg. 11 veh.	7 seg. 13 veh.	8 seg. 15 veh.	9 seg. 17 veh.	10 seg. 19 veh.
230	520	770	1020	1270	1520	1770	2020	2270	2520
240	540	800	1060	1320	1580	1840	2100	2360	2620
250	560	830	1100	1370	1640	1910	2180	2450	2720
260	580	860	1140	1420	1700	1980	2260	2540	2820
270	600	890	1180	1470	1760	2050	2340	2630	2920

WIDTH OF SUPPORTS IN FRONT OF THE PARKING AREA



OPERATION OF THE PARKING SYSTEMS



(RMD) Remote Monitoring & Diagnostics

For fast online analysis and reliable maintenance:
RMD ensures smooth system operation.

Available as an option. Requirement: a DSL line with internet access must be provided on site at the control cabinet.

Modern touchscreen control unit with integrated key switch and emergency stop function.

OPERATING OPTIONS

Without gates

For systems without gates, operation is carried out via a dead-man control for safety reasons. Light barriers secure the access area.

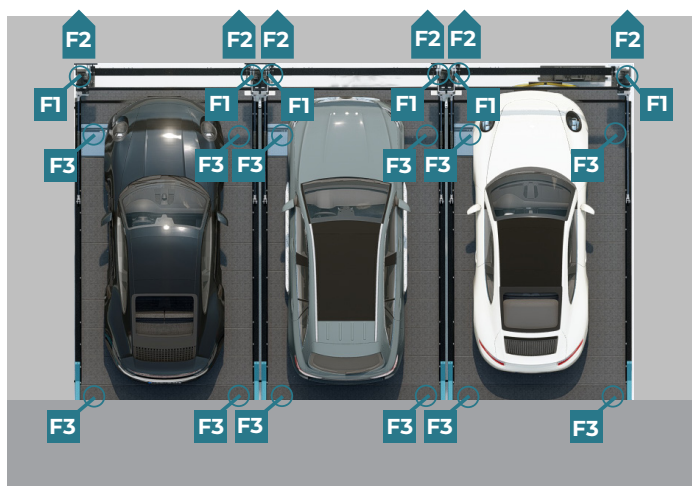
Manual sliding gates (standard)

Manual opening and closing with mechanical locking.

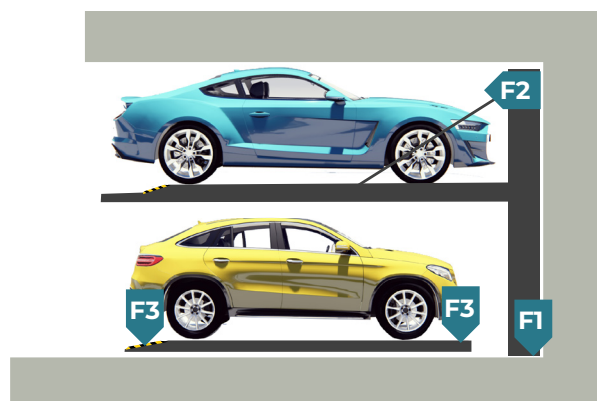
Electric sliding gates (optional)

Semi-automatic operation via the touchscreen control unit with the functions “open gate” and “close gate”.

CONSTRUCTION (SEE ALSO PLANNING NOTES)



Marking: According to ISO 3864 (to be provided on site).



Load F2 can also be transferred via the ceiling.

Ceiling fixation available if required.

Walls

Walls at the entrance side and rear must be made of concrete and be completely flat (without protruding parts).

	2000 kg	2600 kg
F1	20 kN	25 kN
F2	20 kN	25 kN
F3	8 kN	10 kN

Anchoring & floor requirements

The systems are anchored to the floor and rear wall using heavy-duty anchors.

Drill hole depth: approx. 13 cm. The base slab must be at least 20 cm thick and have a concrete quality in accordance with the structural requirements of the building.

Minimum concrete quality: C20/25.

Please observe the flatness tolerances in accordance with DIN 18202, Table 3, Line 3.

According to DIN EN 14010, the safety clearance between the outer lower edges of the parking platforms and the garage floor must not exceed 2 cm.

ELECTRICAL INSTALLATION

On-site services required

1. Electricity meter
2. Fuse or circuit breaker according to DIN VDE 0100, Part 430, 3 × 16 A slow-blow
3. Supply line to main switch according to local regulations (3 PH + N + PE)
4. Lockable main switch
5. Connection for equipotential bonding according to DIN 60204
6. Protective bonding every 10 m

Power supply / system performance

- Power supply: 400 V, 50 Hz, 3-phase
- Power consumption: 3.0 kW

Control cabinet

- **Dimensions (depth × width × height):**
approx. 253.5 × 511 × 711 mm
- **Position:** Position: outside the movement range of the system, but in close proximity.
Please allow at least 1 m clearance in front of the cabinet for door opening and sufficient space for authorized personnel.

PLANNING NOTES

Hydraulic unit

The hydraulic unit can be space-savingly installed in partition walls, wall recesses or niches.

Alternatively, a separate technical area above the entrance level can be planned.

Required space (length × height × depth):
approx. 100 × 140 × 35 cm for up to 5 systems
approx. 150 × 140 × 35 cm for up to 10 systems

Maintenance, cleaning & care

For safe and long-term operation, the parking system must be serviced and cleaned regularly. Please ensure adequate drainage.

Barriers & railings

Traffic routes directly adjacent to or behind the automated parking systems must be secured on site with suitable barriers or railings in accordance with DIN EN ISO 13857.

Ventilation & lighting

The parking garage must be ventilated in accordance with applicable regulations.

Parking spaces must be adequately illuminated to ensure safety and orientation.

Temperature

Ambient temperature: –5 °C to +40 °C

Relative humidity: max. 80%

Please contact us if conditions differ.

Noise protection

In enclosed rooms, a maximum sound pressure level of 30 dB(A) must be complied with in accordance with DIN 4109.

A corresponding sound insulation package is included.

Building insulation with a sound reduction index $R_w \geq 57$ dB(A) must be provided on site.

Fire protection

Any requirements and necessary measures must be clarified and implemented on site.

Conformity

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

ADDITIONAL INFORMATION

Drainage

The installation area must have a functioning drainage system, e.g. a water collection channel installed at the front and connected to the sewer system or a pump sump.

A lateral slope is permitted within the channel; however, no slope is permitted in the remaining pit area (the longitudinal slope is defined by the structural dimensions).

To protect the environment, we recommend coating the floor.

When connecting to the sewer system, oil and petrol separators must be considered in accordance with local regulations.

IMPRINT



Datasheet S02

01/2026

Making Place

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14776 Brandenburg an der Havel