MAKING PLACE

DATASHEET L53
(WITH PIT)

Three parking spaces safely
accommodated in the area of one.

MEKANOR 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 – L53

The L53 is an innovative parking solution for outdoor installations, providing space for several vehicles on three levels while requiring minimal surface area.

The system impresses with its robust construction, weather-resistant materials, and easy operation. This allows for efficient expansion of parking capacity without additional space requirements. Made in Germany – for lasting quality and reliability.

Additional documents:

Drive-on plates (PDF)

Gate options (PDF)

Single unit for 3 vehicles

- **Single-unit system for 3 vehicles (Multiple units can be arranged side by side or in series.)**
- **The surface of the upper platform can be customized with individual coverings, which may affect the available parking height.**
- **The system can be driven over when lowered.**
- **All platforms are horizontally accessible.**

The system is suitable for use in **residential buildings, office and commercial properties**, and **heritage-protected sites.**
It is designed for a **defined group of trained users** and can be installed both **indoors and outdoors.**

When lowered, the parking spaces inside the pit are invisible.

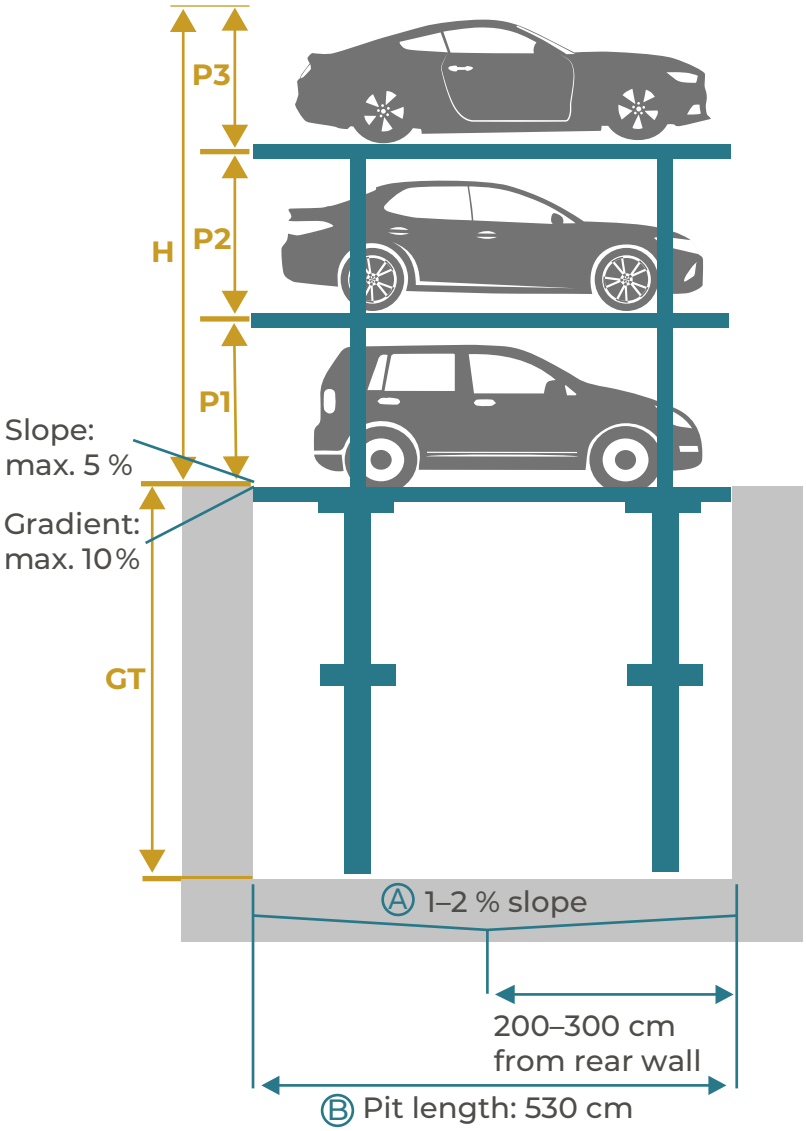
	Weight	Wheel load
Standard	2000 kg	500 kg
Optional	2600 kg	650 kg
	3000 kg	750 kg

Our Standard:

More comfort in every detail.
Flat, level platforms for safe access, intuitive push-button operation, and more freedom of movement thanks to offset columns.

EASY PLANNING THANKS TO SPACE-SAVING DESIGN.
EASY INSTALLATION DUE TO FEWER COMPONENTS.
EASY OPERATION THROUGH A BARRIER-FREE STRUCTURE.

Length Dimensions



Ⓐ Drainage

The pit floor must have a slope of 1–2 %. 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).

Ⓑ Pit length

For vehicles up to 500 cm in length, a minimum pit length of 530 cm is required.
For vehicles up to 520 cm, the pit length should be at least 550 cm.

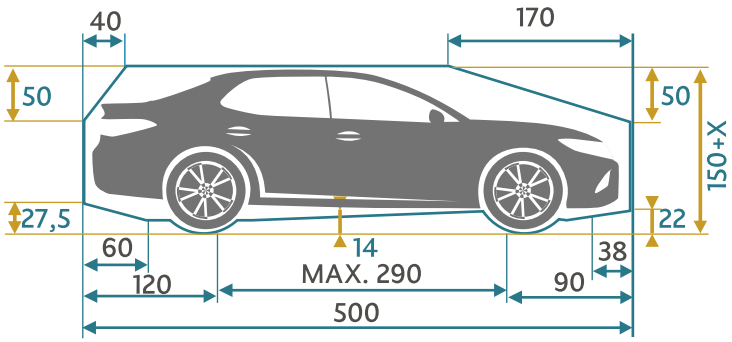
Height Dimensions

Pit Depth (GT)	Max. Vehicle Height Lowe (P1)*	Max. Vehicle Height Middle (P2)*	Clear Height (H) (for indoor installations)	Max. Vehicle Height Upper (P3)*
360 cm	150 cm	150 cm	475 cm	150 cm
380 cm	160cm	160cm	495 cm	150 cm
400 cm	170 cm	170 cm	515 cm	150 cm
420 cm	180 cm	180 cm	535 cm	150 cm
440 cm	190 cm	190 cm	555 cm	150 cm
460 cm	200 cm	200 cm	575 cm	150 cm

* Vehicle height: The permissible vehicle height includes all attachments such as roof racks or antennas and must not exceed the specified maximum values.

With sufficient ceiling height, taller vehicles can also be parked on the upper platform (P3) — unlimited in outdoor installations.

Clearance Profile



Maximum height: Vehicle including roof rack, antenna, etc. must not exceed the stated limits.

Upper platform: Use of the top platform (P3) is limited if a roof structure is located above the system.

Dimensions: All values are minimum dimensions.

Standards & Tolerances:
Additionally subject to
- VOB Part C (DIN 18330, DIN 18331)
- DIN 18202

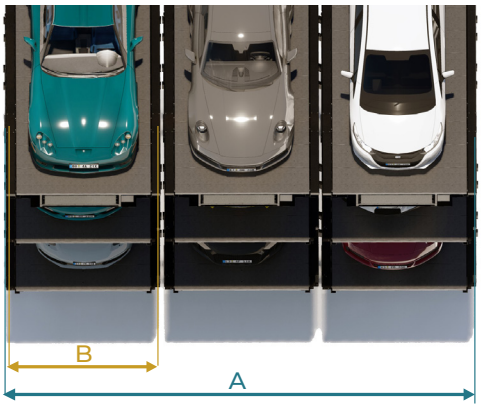
Width Dimensions

Parking layout and dimensions

By combining several single systems — both side by side and in series — available space can be used to maximum efficiency.

This allows for a high parking capacity on minimal footprint, ideal for projects with limited space.

Single system for 3 vehicles



3x Single systems for 9 vehicles

System width A	Parking width B
265 cm	230 cm
275 cm	240 cm
285 cm	250 cm
295 cm	260 cm
305 cm	270 cm

System width A	Parking width B
795 cm	230 cm
825 cm	240 cm
855 cm	250 cm
885 cm	260 cm
915 cm	270 cm

Construction tolerances: 0 to +3 cm.

Please observe the required driveway widths according to GaVo and local regulations.
For comfortable parking, we recommend parking widths of at least 250 cm.

For systems with columns outside the pit, please contact us with your project details.

Control and Operation

The New Generation: Push-Button Operation

More comfort and safety through a modern, intuitive control unit.
It includes **two push buttons (Up / Down), an emergency stop, a status indicator light**,
and a **key switch** to authorize operation.

The parking level is selected simply by pressing and holding the corresponding button (Up or Down).

Mounting options: Wall-mounted (flush or surface-mounted) or alternatively on a pedestal column.

Construction Details

(see also Planning Notes)

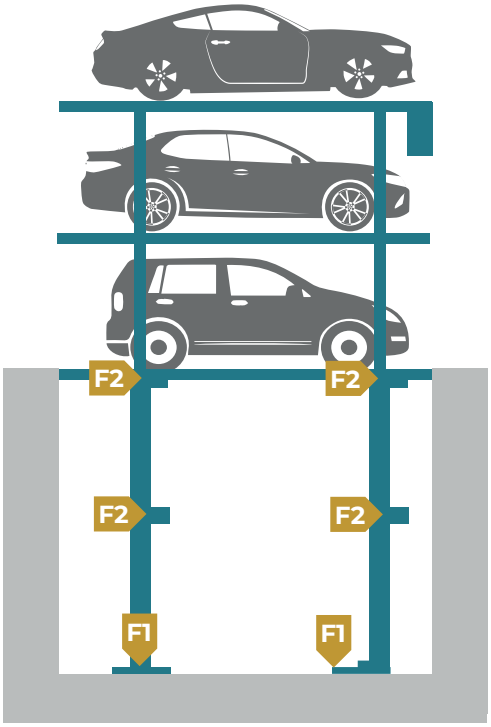
Pit Floor and Anchoring

The pit floor must be constructed according to the “pit floor layout.”

The four sections measuring 50 × 100 cm must be flat and level.

The systems are anchored to the floor using heavy-duty anchors (depth approx. 13 cm).

The floor slab must be at least 20 cm thick with concrete quality per structural requirements (min. C20/25).



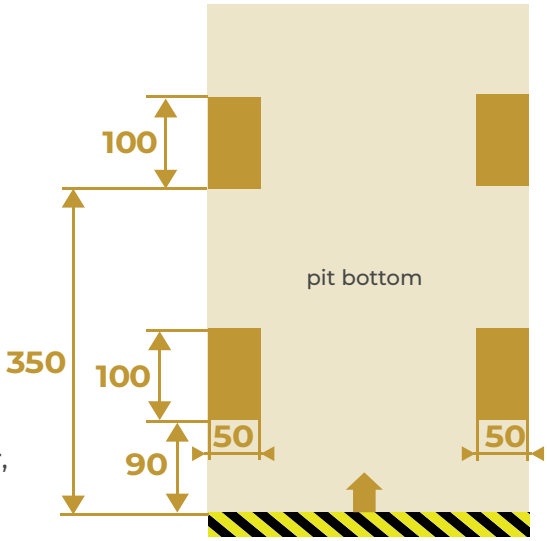
Walls

Front and rear walls must be made of concrete, perfectly smooth, and free from protruding elements.

Load Data

	2000 kg	2600 kg	3000 kg
F1	28 kN	35 kN	40 kN
F2	6 kN	6 kN	6 kN

The specified loads apply per system column.
If two columns are positioned directly next to each other, the load values double due to shared anchoring.



Electrical Installation

Work to be provided by the client:

No.	Description
1	Electricity meter
2	Fuse or circuit breaker per DIN VDE 0100, Part 430, max. 16 A
3	Power supply line to main switch per local regulations (3 PH + N + PE)
4	Main switch
5	Connection for equipotential bonding per DIN 60204
6	Equipotential bonding connection every 10 m

Power supply / System performance

- Power supply: 400 V, 50 Hz, 3 phases
- Power requirement: 2 × 3.0 kW

All other components are fully supplied by Making Place.

Planning Notes

Hydraulic unit

The hydraulic unit can be installed space-efficiently inside partition walls or in a recess/niche.
Alternatively, a separate technical area above the entry level can be provided.

Required space (L × H × D):
- approx. 100 × 140 × 35 cm for up to 5 systems
- approx. 150 × 140 × 35 cm for up to 10 systems

Maintenance & Cleaning

Regular maintenance and cleaning are required to ensure safe and long-term operation. Adequate drainage must be provided.

Railings & Barriers

Traffic routes directly next to or behind the system must be secured in accordance with DIN EN ISO 13857 using suitable railings or barriers (to be provided by the client).

Ventilation & Lighting

The garage must be ventilated and sufficiently illuminated according to local building codes.

Temperature

range: -5 °C to +40 °C
Humidity: max. 80 % relative
Please contact us if site conditions differ

Noise protection

In enclosed areas, the maximum permissible noise level is 30 dB(A) according to DIN 4109. A sound insulation package is included. The building must ensure a sound reduction index of at least $R'_w \geq 57$ dB(A).

Fire protection

Any fire safety requirements must be determined and implemented on site.

Conformity

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

ADDITIONAL INFORMATION

Barriers

Where necessary, install barriers according to DIN EN ISO 13857 to secure pits near traffic routes.
This also applies during the construction phase.
Railings are included where required.

Drainage

The pit must have a functioning drainage system, e.g. a front water collection channel connected to the sewer system or a pump sump.
A lateral slope within the channel is acceptable; the rest of the pit must remain level.
To protect the environment, we recommend coating the pit floor.
Oil and fuel separators must be provided as required by local regulations.

Warning Marking

In the access area, a 10 cm wide yellow-black safety marking must be applied to the pit edge in accordance with DIN ISO 3864, clearly identifying the hazard zone per DIN EN 14010.

IMPRINT

MAKING
PLACE

Datasheet L53 (with pit)

12/2025

Making Place

Friesenstraße 9

14776 Brandenburg an der Havel