MAKING PLACE

DATASHEET L52
(WITH PIT)

Intelligent solution for doubling outdoor parking space

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 double parking systems.

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

A charging station can be retrofitted at any time.

PRODUCT DESCRIPTION L52

With the **L52** system, Making Place presents an impressive solution for doubling parking capacity in outdoor areas. Thanks to its two-level design – featuring a drive-on upper platform and a recessed pit – existing spaces can be used far more efficiently, allowing vehicles to be parked safely and discreetly.
Laterally offset columns provide additional comfort when entering and exiting the vehicle, while the upper level can be individually designed. **L52** is ideally suited for residential developments, office and commercial buildings, as well as listed heritage properties – manufactured in Germany and installed worldwide to meet the highest standards of quality and flexibility.

Additional documents:

Drive-on plates-PDF

Gate options-PDF

SINGLE SYSTEM FOR 2 PASSENGER CARS | DOUBLE SYSTEM FOR 4 PASSENGER CARS (COMBINABLE)

- **The upper platform can be finished with individual surfaces, e.g. green areas or paving stones (this may affect the parking height).**
- **When lowered, the system can also be driven over.**
- **All platforms are horizontally accessible.**

The system is suitable for use in residential buildings, office and commercial properties, as well as buildings with or under heritage protection. It is designed for a trained, permanent user group and can be installed both indoors and outdoors.

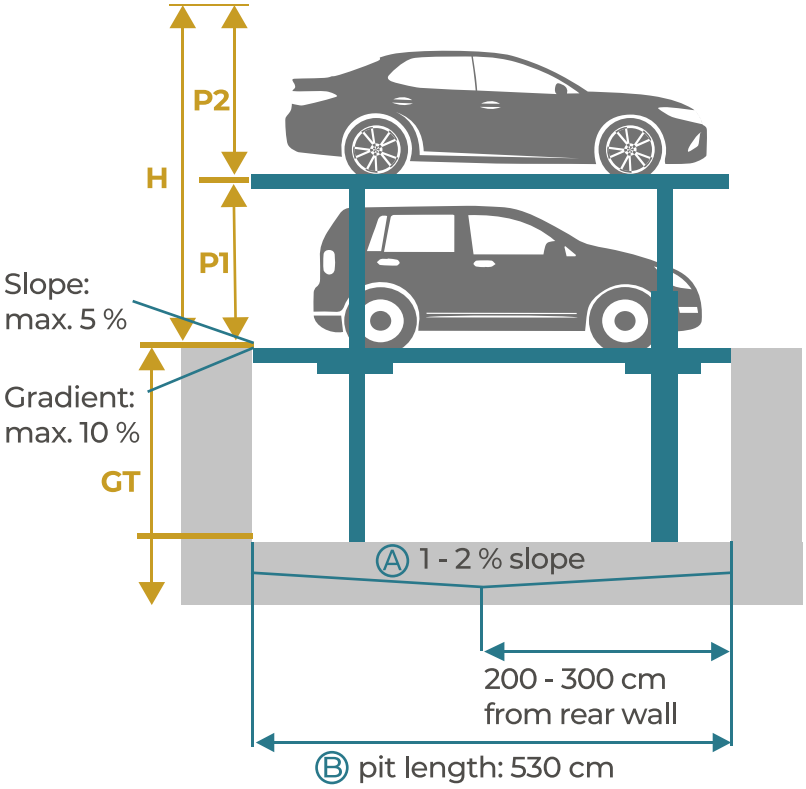
WHEN IN THE LOWERED POSITION, THE PARKING SPACES IN THE PIT ARE INVISIBLE.

	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 platforms for safe driving, intuitive push-button operation, and greater freedom of movement thanks to laterally offset columns.

Flat platforms – for smooth and comfortable driving
Push-button control – simple, fast and intuitive
Laterally offset columns – more space and comfort when getting in and out

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 x 2 cm) with a sump pit (50 x 50 x 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

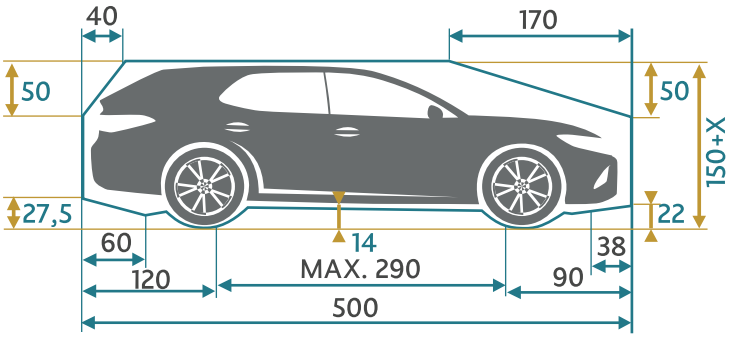
Pit Depth (GT)**	Max. Vehicle Height Lowe (P1)*	Clear Height (H)	Max. Vehicle Height Upper (P2)*
195 cm	150 cm	315 cm	150 cm
205 cm	160 cm	325 cm	150 cm
215 cm	170 cm	335 cm	150 cm
225 cm	180 cm	345 cm	150 cm
235 cm	190 cm	355 cm	150 cm
245 cm	200 cm	365 cm	150 cm

**Pit dept

The above specifications refer to the installation of single systems. Double systems require an additional 5 cm of pit depth. Other dimensions are available upon request.

*Vehicle height
The permissible vehicle height includes all attachments such as roof racks or antennas and must not exceed the specified maximum values.
If sufficient ceiling height is available, taller vehicles can also be parked on the upper platform (P3) – in outdoor installations even without limitation.

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 space arrangement and dimensions

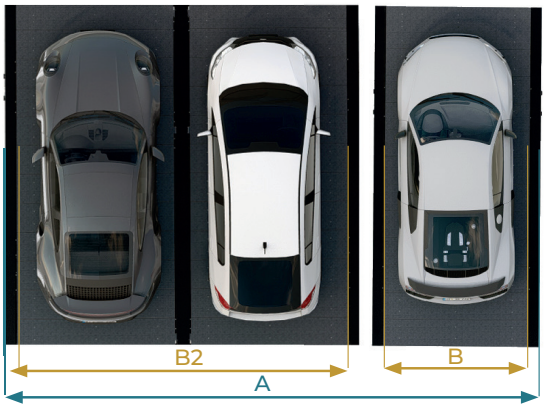
By arranging several single systems in sequence –
both side by side and one behind the other – the available area can be used optimally.
This allows for a high number of parking spaces within a very small footprint, making it ideal for projects with limited space availability.

Single system for 2 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

Double system for 4 vehicles

System width A2	Parking width B2
495 cm	460 cm
515 cm	480 cm
535 cm	500 cm
555 cm	520 cm
575 cm	540 cm



1x Double system +
1x Single systems for 6 vehicles

System width A	Parking width B2+B
760 cm	460 + 230 cm
790 cm	480 + 240 cm
820 cm	500 + 250 cm
850 cm	520 + 260 cm
880 cm	540 + 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

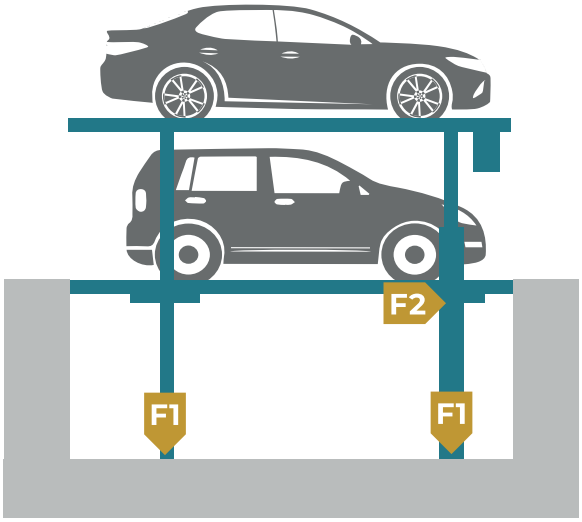
The New Generation: Push-Button Control

The system is operated via a modern control unit that combines maximum convenience with a high level of safety. Two ergonomically positioned push buttons for raising and lowering, an easily accessible Emergency Stop button, and RFID or an optional key switch matched to your project for system authorization ensure intuitive and secure operation.

The desired parking position is selected easily and precisely. By pressing and holding the corresponding button, the platform moves smoothly and safely to the required position.

Flexible installation options:
The control unit can be installed flush-mounted, surface-mounted, or on an elegant free-standing pedestal.

CONSTRUCTION DETAILS
(SEE ALSO PLANNING NOTES)



Pit Floor and Anchoring

The pit fl oor must be constructed according to the “pit fl oor layout.”
The four sections measuring 50 × 100 cm must be fl at and level.

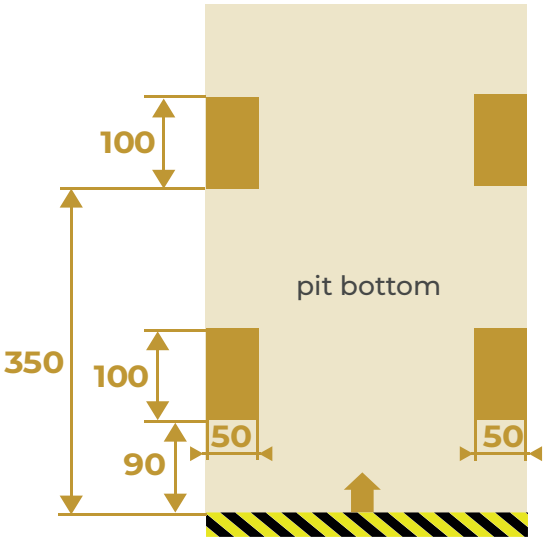
The systems are anchored to the fl oor using heavy-duty anchors (depth approx. 13 cm).

The fl oor 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



Force	2000 kg	2600 kg	3000 kg
F1 - Single	28 kN	35 kN	40 kN
F1 - Double	42 kN	55 kN	-
F2	6 kN	6 kN	6 kN

The specifi ed 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. 3x 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

As standard, the hydraulic power unit is integrated directly into the parking system.

If an external installation is preferred, the unit can be accommodated in a partition wall, a wall recess, or a niche to save space. Alternatively, a separate technical area above the access level can be provided during the planning stage.

Required installation space (L × H × D):
Approx. 150 × 140 × 35 cm

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 RW´w ≥ 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.

IMPRESSUM

MAKING
PLACE

Datasheet L52 (with pit)

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Making Place GmbH

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