



MAKING PLACE



DATASHEET L42 (WITH PIT)

Elegant garage solution for doubling
parking capacity

MEKANOR PARKING TECHNOLOGIES



DESIGNED, DEVELOPED AND MADE IN GERMANY.

LEGEND



The systems offered comply with DIN EN 14010 and the EC 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 L42

The L42 parking system is an elegant and stylish hydraulic solution for space-saving vehicle parking. Thanks to its intelligent design, the available space can be used optimally, allowing two vehicles to be parked one above the other within the footprint of a single parking space.

The support columns are positioned directly against the wall, ensuring that no obstructing elements interfere with entering or exiting the parking space. At the same time, the system allows comfortable opening of the vehicle doors and provides a particularly user-friendly parking solution.

Operation is carried out via push-button control as standard. If garage doors are installed in front of the system, convenient operation via remote control is also possible.

ADDITIONAL DOCUMENTS



DRIVE PLATES PDF



GATES PDF

COMFORT SOLUTION FOR THE HIGHEST DEMANDS

SINGLE UNIT FOR 2 PASSENGER CARS, CAN BE COMBINED IN SERIES AS REQUIRED.

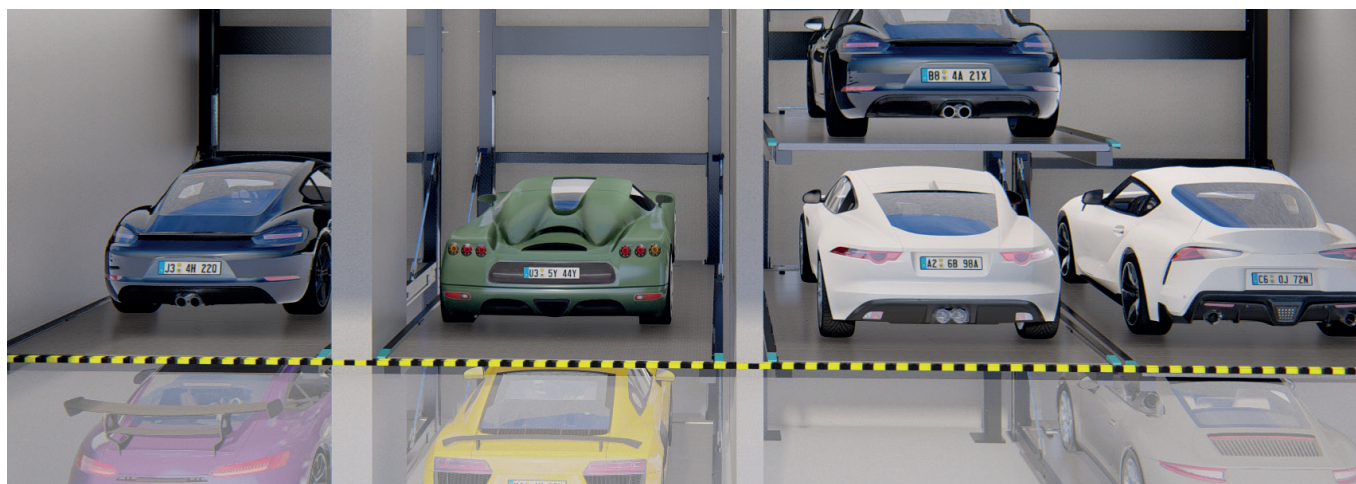
Ideal for residential buildings, office and commercial properties, and hotels.

Usage is limited exclusively to a defined and instructed user group.

Designed for indoor installation.

Maximum Vehicle Weight

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



The independent L42 car parking system is designed without columns in the entrance area, allowing particularly convenient and unobstructed vehicle access.

The system features horizontally accessible platforms on two levels, ensuring safe and user-friendly operation.

Installation is carried out in a pit, allowing the system to integrate seamlessly into the garage and creating a space-saving and elegant parking solution.

**OUR STANDARD:
LEVEL PLATFORMS WITHOUT TRIPPING EDGES.**

CONVENIENTLY DESIGNED. QUICKLY INSTALLED. EASY TO USE.

Our well-engineered design enables simple planning, fast installation with a reduced number of components, and comfortable, barrier-free operation.

LENGTH DIMENSIONSLENGTH DIMENSIONS

Ⓐ Clearance Space

Space required for on-site installation.

Ⓑ Marking

A 10 cm wide yellow-black hazard marking according to DIN ISO 3864 must be applied at the pit edge in the access area to clearly identify the hazard zone in accordance with DIN EN 14010.

Ⓒ Drainage

A slope of 1–2% must be provided in the pit floor.

Drainage should be positioned 200–300 cm from the rear wall.

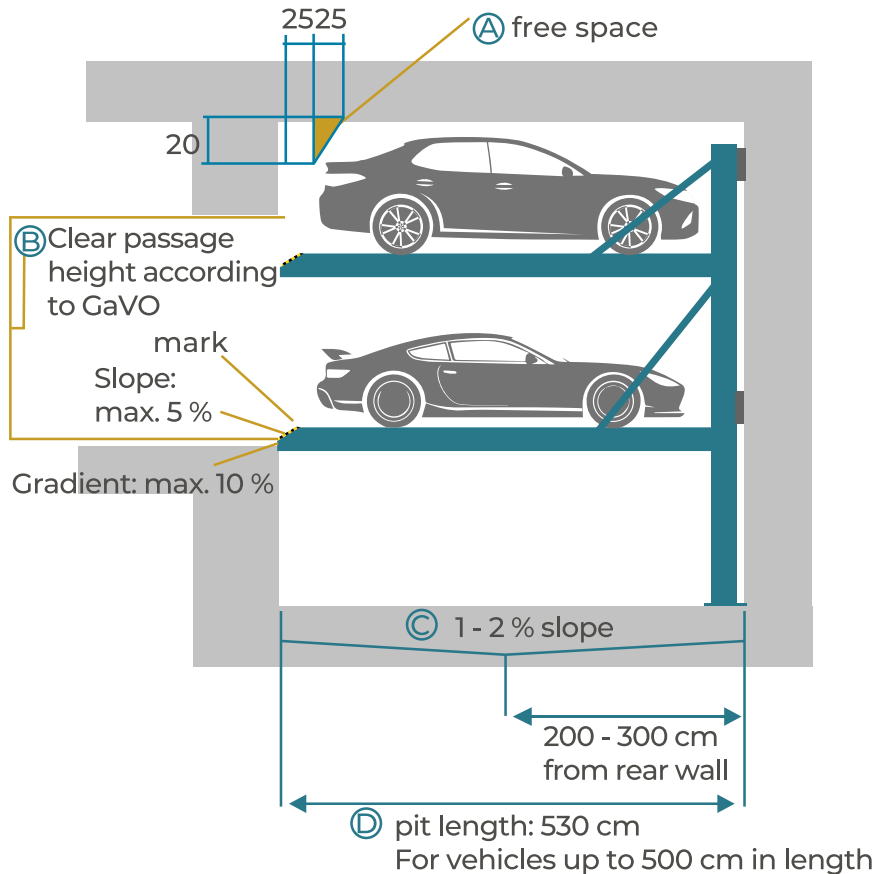
Installation of a drainage channel (10 × 2 cm) with a sump pit (50 × 50 × 20 cm) is recommended.

Ⓓ Pit Length

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

Shorter versions are generally possible; however, local parking regulations must always be observed.
For comfortable use, a pit length of 550 cm is generally recommended.

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



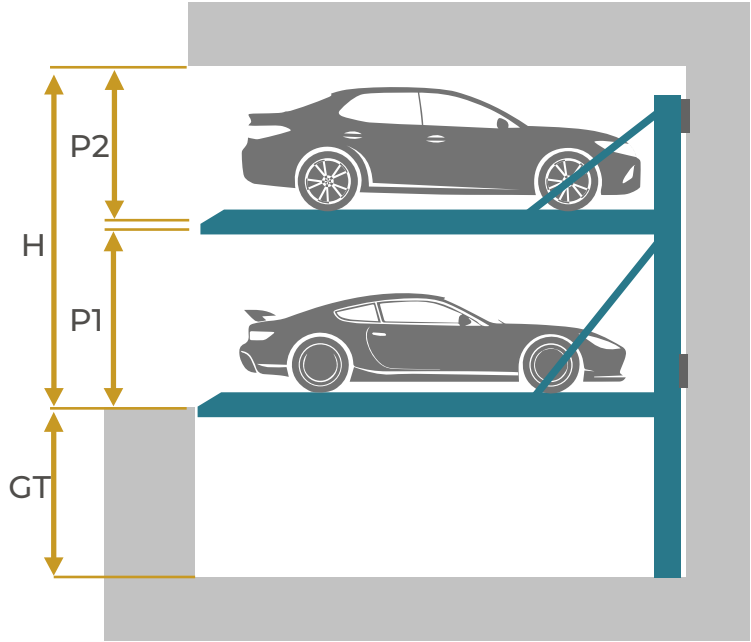
HEIGHT DIMENSIONS

The pit depth (GT) determines the maximum height of the lower vehicle (P1). The upper vehicle (P2) depends on the clear height (H) — the total height available for both vehicles.

The clear height must be at least 320 cm to safely accommodate both vehicles.

Example:

With a pit depth of 190 cm, the lower vehicle (P1) may be up to 170 cm high. The clear height must be at least 340 cm to allow the upper vehicle (P2) with a height of 150 cm.



Overview of Dimensions

Pit depth (GT): 170–225 cm (available in 5 cm increments)

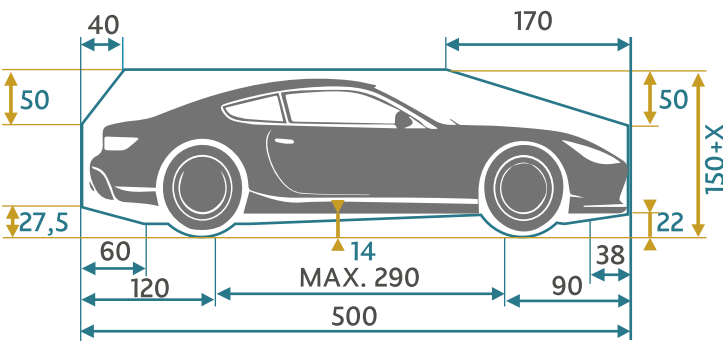
Maximum vehicle height lower level (P1): 185 cm (depending on pit depth)

Clear height (H): minimum 315 cm

Maximum vehicle height upper level (P2): depends on structural height; greater clear height allows taller vehicles on the upper level.

pit depth (GT)	maximum height lower vehicle (P1)	clear height (H)	maximum height upper vehicle (P2)
175 cm	150 cm	315 cm	150 cm
180 cm	155 cm	320 cm	150 cm
185 cm	160 cm	325 cm	150 cm
200 cm	175 cm	340 cm	150 cm
210 cm	185 cm	350 cm	150 cm

CLEARANCE PROFILE



Maximum height: The vehicle including roof rack, antenna, etc. must not exceed the specified maximum values.

Upper platform: With greater ceiling height, taller vehicles may also be parked on the upper level.

Dimensions: All dimensions are minimum dimensions.

Standards & Tolerances:
• VOB Part C (DIN 18330, DIN 18331)
• DIN 18202

WIDTH DIMENSIONS – UNDERGROUND GARAGE (BETWEEN PARTITION WALLS)



Single unit for 2 passenger cars



3 × single units for 6 passenger cars

System width A	Parking space width B
250 cm	230 cm
260 cm	240 cm
270 cm	250 cm
280 cm	260 cm
290 cm	270 cm
300 cm	280 cm

Thanks to the modular design, single units can be combined flexibly, ensuring maximum space utilization without obstructing columns between parking spaces.

Planning and execution notes

Construction tolerances:

0 to +3 cm permissible.

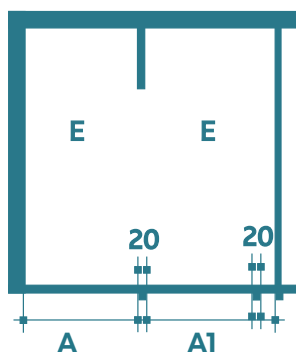
Driving lane widths: Observe applicable GaVO regulations and respective state building codes.

Recommended parking space width:

For comfortable parking and unparking, widths from 250 cm are recommended.

WIDTH DIMENSIONS – UNDERGROUND GARAGE (COLUMNS OUTSIDE THE PIT)

Die Darstellung (Stützenbreite 20 cm) ist als Orientierungshilfe zu verstehen.



Wall to column A	Column to column B	= Parking space width
250 cm	240 cm	230 cm
260 cm	250 cm	240 cm
270 cm	260 cm	250 cm
280 cm	270 cm	260 cm
290 cm	280 cm	270 cm
300 cm	290 cm	280 cm

E = Single unit for 2 passenger cars, 290 cm

CONSTRUCTION EXECUTION

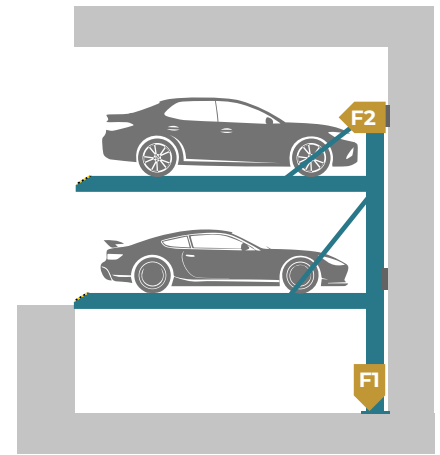
Load Impact

Load specifications apply per system column.

	2000 kg	2600 kg
F1	33 kN	41 kN
F2	33 kN	41 kN

If columns are positioned directly adjacent, load values double as both are anchored at a shared fixing point.

Load F2 can alternatively be transferred via the ceiling.



Wall Openings & Structural Walls

For electrical and hydraulic lines, an opening of approx. 15 × 15 cm must be provided in partition walls.

These openings may only be closed after full installation.

Walls at the entrance and rear must be made of concrete and executed completely flush — without protruding elements.

Anchoring

Systems are secured to the floor using heavy-duty anchors.

Required anchoring depth: approx. 13 cm. The floor slab must be at least 20 cm thick and meet the structural concrete requirements of the building.

Minimum concrete grade: C20/25.

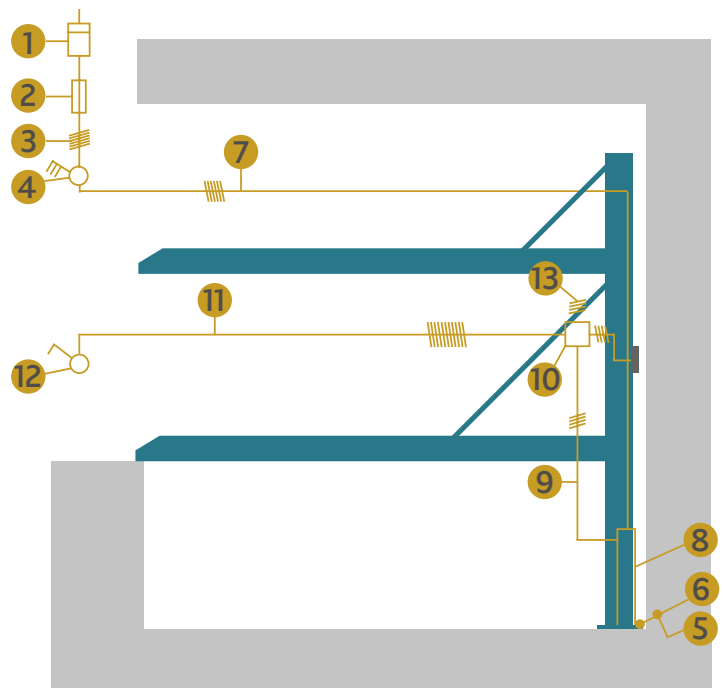
ELECTRICAL INSTALLATION

On-site services:

- 1 Electricity meter
- 2 Fuse or circuit breaker according to DIN VDE 0100 Part 430, max. 16 A
- 3 Supply line to main switch according to local regulations (3 PH + N + PE)
- 4 Main switch
- 5 Connection for equipotential bonding according to DIN 60204
- 6 Protective equipotential connection every 10 m Components No. 7–13 are included in the Making Place scope of supply.

Power supply / System capacity:

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



CONTROL & OPERATION

The New Generation: Push-Button Operation

The system is operated via a modern control unit combining maximum comfort and safety.

Two ergonomically arranged push-buttons for lifting and lowering, an easily accessible emergency stop button, RFID access or optionally a key cylinder matched to your project ensure intuitive and secure operation.

The selected parking space is activated by pressing and holding the respective button, allowing the system to move smoothly and precisely into position.

Flexible installation options:

The control unit can be wall-mounted (flush-mounted or surface-mounted) or installed on an elegant pedestal column.



PLANNING NOTES

Hydraulic Power Unit

The hydraulic power unit can be installed in a space-saving manner within partition walls or in a wall recess or niche.

Alternatively, a separate technical area above access level may be provided during planning.

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 & Care

Regular maintenance and cleaning are required to ensure safe and long-term operation. Adequate drainage must be ensured at all times.

Barriers & Railings

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

Temperature

Ambient temperature: -5°C to +40°C

Relative humidity: max. 80%

For deviating conditions, please contact us.

Ventilation & Lighting

The parking garage must be ventilated according to applicable regulations. Parking spaces must be sufficiently illuminated to ensure safety and orientation.

Sound Insulation

In enclosed rooms and similar areas, a maximum sound pressure level of 30 dB(A) must be observed according to DIN 4109.

A corresponding sound insulation package is included.

The building structure must ensure sound insulation of $RW'w \geq 57$ dB(A).

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.

IMPRINT



Datasheet L42 (with pit)

01/2026

Making Place GmbH

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