



MAKING PLACE



DATASHEET L12 (WITHOUT PIT)

MEKANOR PARKTECHNOLOGIEN



DESIGNED, DEVELOPED AND MADE IN GERMANY.

LEGEND



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



Maximum load per parking space in kg for single parking spaces.



A charging station can be retrofitted at any time.



PRODUCT DESCRIPTION L12

The L-12 parking system enables efficient use of existing parking space by allowing two vehicles to be parked one above the other on a single level – without the need for an on-site pit.

The level, horizontally accessible platforms ensure convenient and comfortable parking and unparking. The system is ideal for private garages (e.g. for secondary or leisure vehicles), for parking facilities with valet parking, as well as for applications in the automotive environment.

The L-12 is designed for both indoor and outdoor use.

Operation is carried out via a clearly arranged control unit with push-buttons for lifting and lowering, including an integrated emergency stop function.

Additional documents



Driving plates – PDF

DEPENDENT CAR PARKING SYSTEM –
SINGLE UNIT FOR TWO PASSENGER CARS.

EFFICIENT TECHNOLOGY.
ELEGANT DESIGN.
A COST-EFFECTIVE SOLUTION.

Maximum vehicle weight

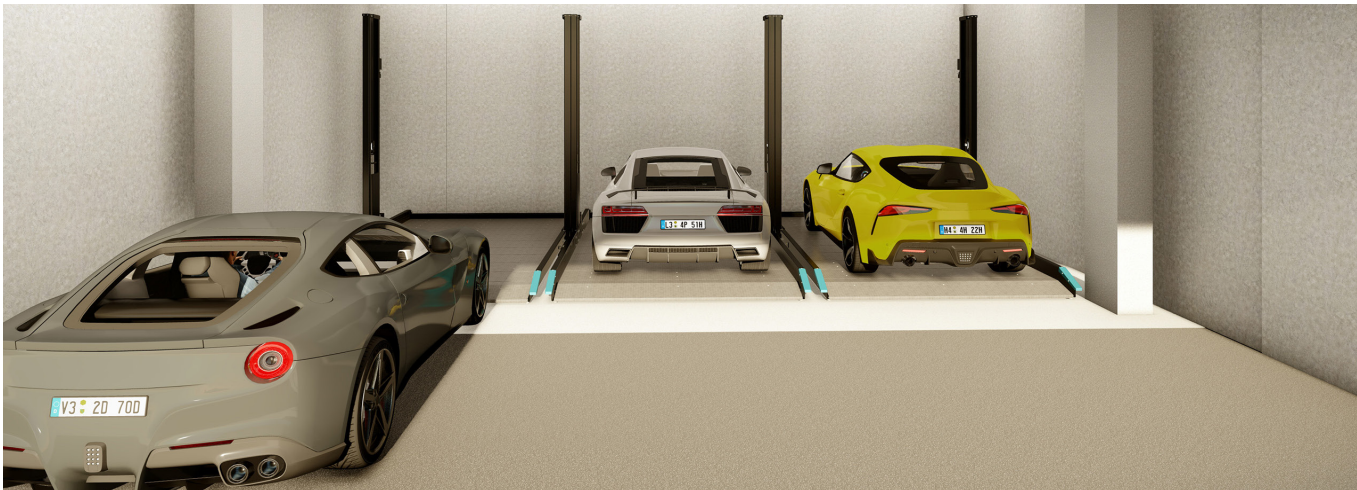
	weight	wheel load
Standard	2000 kg	500 kg
Optional	2300 kg	575 kg
	2600 kg	650 kg
	3000 kg	750 kg

AREAS OF APPLICATION

- Designed for use in residential developments, hotels, and valet parking areas.
- Suitable for car rental companies, vehicle dealerships, as well as service and workshop operations.
- The platform parking spaces are reserved exclusively for an authorized, instructed user group.
- The system is designed for installation in both indoor and outdoor environments.

SYSTEM DESCRIPTION

- The dependent car parking system L12 features a horizontally accessible platform and two parking levels.
- Installation is above ground and without a pit.
- The lower parking space is located directly at floor level.



Our Standard: Level platforms without trip edges.

COMPACTLY PLANNED. QUICKLY INSTALLED. EASY TO USE.

Our sophisticated design allows simple planning, fast installation with only a few components, and comfortable, barrier-free operation.

LENGTH DIMENSIONS

Ⓐ Clearance Space

Space required for on-site installation.

Ⓑ Clearance Height

Clear passage height at the lintel according to GaVO; for gates a minimum of 210 cm is required. Please refer to the applicable GaVO regulations.

Ⓒ Grounding

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

Ⓓ Drainage

The installation area must be equipped with a properly functioning drainage system, e.g. a water collection channel installed in the front area, connected either to the sewer system or to a pump sump.

Within the channel, a lateral slope is permissible; however, no lateral slope is allowed in the remaining pit area (the longitudinal slope is determined by the structural dimensions).

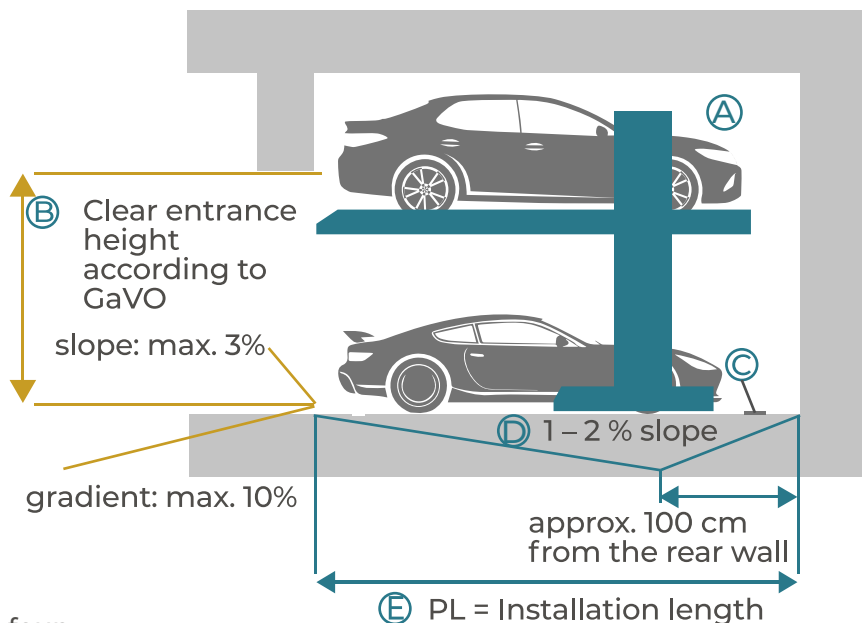
To protect the environment, we recommend applying a suitable floor coating.

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

Ⓔ Installation Length

For vehicles up to 500 cm in length, an installation length of at least 520 cm is required. For longer vehicles up to 520 cm, the installation length should be at least 540 cm.

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



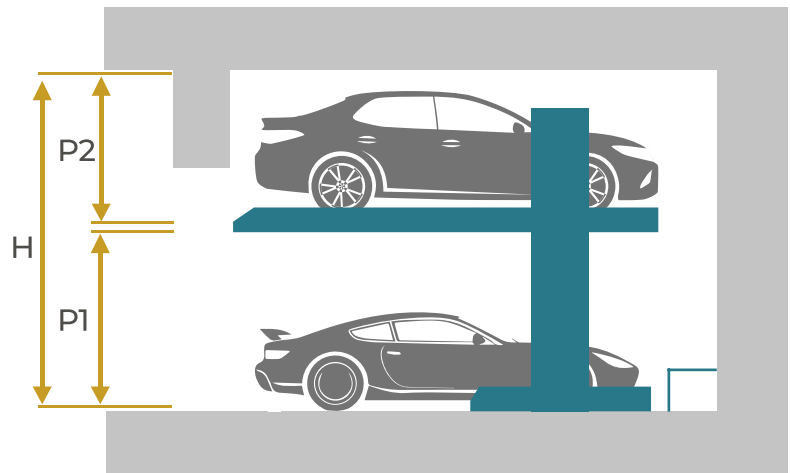
Dimen- sions	Platform length	Installation length for ma- ximum vehicle length	Maximum vehicle length
K	350 cm	520 cm	500 cm
L	395 cm	520 cm	500 cm

*With increasing platform length, vehicle positioning on the platform becomes more comfortable. Platforms can be extended or shortened by 45 cm.

HEIGHT DIMENSIONS

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

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)
320 cm	150 cm	150 cm		-	-			
330 cm	160 cm	150 cm		-	-		-	-
340 cm	170 cm	150 cm	oder	160 cm	160 cm		-	-
350 cm	180 cm	150 cm	oder	170 cm	160 cm	oder	-	-
360 cm	190 cm	150 cm	oder	180 cm	160 cm	oder	170 cm	170 cm
370 cm	200 cm	150 cm	oder	190 cm	160 cm	oder	180 cm	170 cm

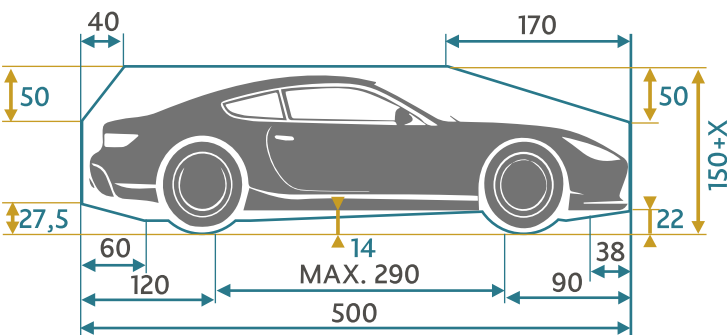
Overview of dimensions

Maximum vehicle height bottom (P1): 200 cm

Clear height (H): minimum 320 cm

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

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



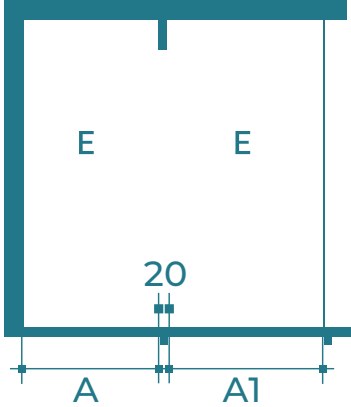
Parking space width A	Parking space width B
220 cm	250 cm
230 cm	260 cm
240 cm	270 cm
250 cm	280 cm
260 cm	290 cm
270 cm	300 cm

The modular single unit can be expanded and arranged in series as required.

- Permissible dimensional tolerances on site: 0 to +3 cm
- Driving lane width must comply with GaVO and applicable regional regulations
- A minimum parking space width of 250 cm is recommended for comfortable parking

WIDTH DIMENSIONS WITH COLUMNS IN FRONT OF THE PARKING AREA

Wall to column A	Column to column A1	= Parking space width
250 cm	235 cm	220 cm
260 cm	245 cm	230 cm
270 cm	255 cm	240 cm
280 cm	265 cm	250 cm
290 cm	275 cm	260 cm
300 cm	285 cm	270 cm



E = Single unit for 2 passenger cars
 Illustration shown as an example
 (column width = 20 cm) for orientation purposes.

CONTROL AND OPERATION

The new generation: push-button operation

Control is carried out via a modern operating unit combining maximum user comfort with the highest safety standards. Two ergonomically positioned push buttons for lifting and lowering, an easily accessible emergency stop button, RFID access or optionally a lock cylinder matching your project for system activation ensure intuitive and safe operation.

The desired parking space is selected easily and safely:

by holding down the respective button, the system moves smoothly and precisely into the desired position.

Flexible mounting options

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



CONSTRUCTION REQUIREMENTS (SEE ALSO PLANNING NOTES)



	2000 kg	2300 kg	2600 kg
F1	20 kN	25 kN	28 kN

Load impact

The specified loads apply to each individual system column. If columns are positioned directly next to each other, the load values are doubled, as both columns are anchored at a common fixing point.

Walls and openings

Openings of approx. 15 × 15 cm are required in partition walls for electrical and hydraulic lines. Please do not close these openings after installation. Walls at the entrance side and rear must be made of concrete and be completely flat (without protruding parts).

Anchoring and floor requirements

The systems are anchored to the floor and rear wall using heavy-duty anchors. Drill hole depth is approx. 13 cm. The base slab must be at least 20 cm thick and meet the concrete quality required by the building's structural calculations. Minimum concrete quality: C20/25. Please observe the flatness tolerances according to DIN 18202, Table 3, Line 3. The safety clearance between the outer lower edges of the parking platforms and the garage floor must not exceed 2 cm in accordance with DIN EN 14010.

ELECTRICAL INSTALLATION

To be provided on site

- | 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 |

7–13: Components included in the scope of supply by Making Place

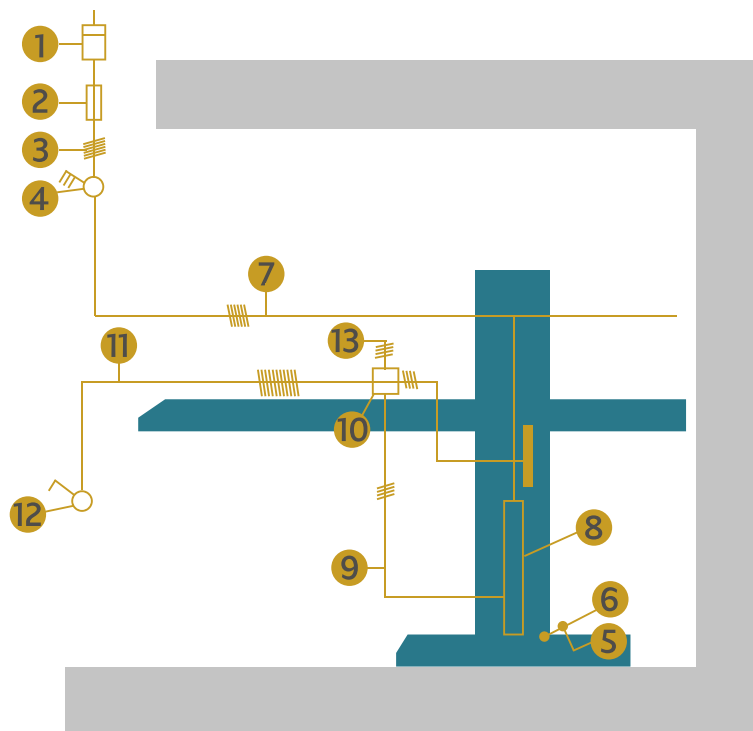
Power supply and system performance

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

Electrical installation – control cabinet

- Dimensions (depth × width × height): approx. 253.5 × 511 × 711 mm
- Position: The control cabinet should be placed outside the movement area of the system, but in close proximity.

Please allow a minimum clearance of 1 m in front of the cabinet for door opening and sufficient space for authorized personnel.



PLANNING NOTES

Hydraulic power unit

The hydraulic unit can be installed space-savingly in partition walls or in a wall recess or niche. 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 and care

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

Guarding & railings

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

Ventilation & lighting

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

Temperature

Ambient temperature: –5 °C to +40 °C

Relative humidity: max. 80 %

Please contact us in case of deviating conditions.

Noise protection

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

An appropriate noise protection package is included in the scope of supply.

On-site building insulation with a sound reduction index $R_{w'} \geq 57$ dB(A) must be ensured.

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.

Drainage

The installation area must be equipped with effective drainage, e.g. a water collection channel installed in the front area with connection to the sewer system or a pump sump.

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

To protect the environment, we recommend coating the floor.

Oil and fuel separators must be considered when connecting to the sewer system in accordance with local regulations.

IMPRINT



Datasheet L12

01/2026

Making Place GmbH

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