



MAKING PLACE



DATASHEET L12 (WITHOUT PIT)

Intelligent and efficient solution for doubling parking spaces with intuitive control

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 L12 parking system by Making Place is a space-saving and economical parking system without a pit, designed to double parking spaces on two levels. The lower parking space is accessible at ground level, while the upper platform is lifted hydraulically.

The modular single unit for two passenger cars can be combined as required. Horizontally accessible, flat platforms ensure a high level of comfort and safety. Simple push-button operation, compact design and fast installation make the system ideal for residential buildings, hotels, car dealerships, workshops and for indoor and outdoor use.

Additional documents



Driving plates – PDF

SINGLE UNIT FOR 2 CARS

The parking system has a modular design and consists of at least one segment for two vehicles. Thanks to the flexible segment-based construction, the system can be expanded at any time and adapted to changing requirements.

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

- Ideal for private parking in residential environments, hotels (short- and long-term parking), car sharing and valet parking
- Suitable for car rental companies, car dealerships as well as service and workshop facilities
- Parking spaces on the platform are intended exclusively for a defined, trained user group
- Suitable for indoor and outdoor installation

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 comfort standard:

- Flat platforms instead of trapezoidal sheets for safe and comfortable driving on
- Space-saving design for simple and clear planning
- Fast installation thanks to a reduced number of components
- Barrier-free use for maximum user comfort
- Operation via push buttons instead of key switches – simple, intuitive and safe

LENGTH DIMENSIONS

Ⓐ Clearance

Space for on-site installation.

Ⓓ Clear entrance height

Clear driving-through height at the lintel according to local garage regulations (GaVO); minimum 210 cm when gates are installed. Please check the applicable GaVO.

Ⓒ Grounding

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

Ⓔ Drainage

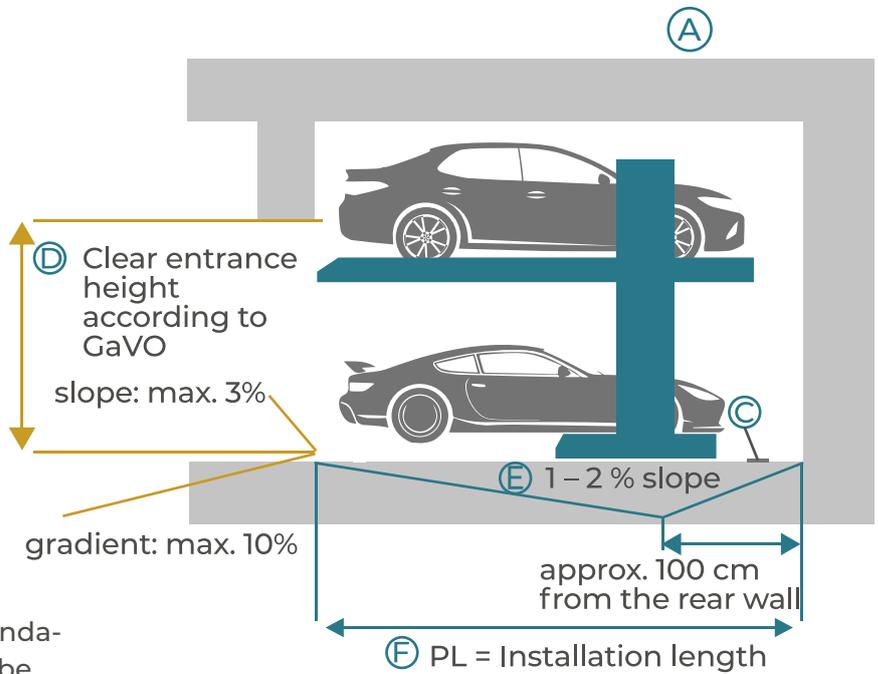
A slope of 1–2 % must be provided in the floor. Drainage should be arranged at a distance of approx. 100 cm from the rear wall.

Ⓕ Installation length

For vehicles up to 500 cm in length, a minimum installation length of 520 cm is required.

For longer vehicles up to 520 cm, a minimum installation length of 540 cm is recommended.

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



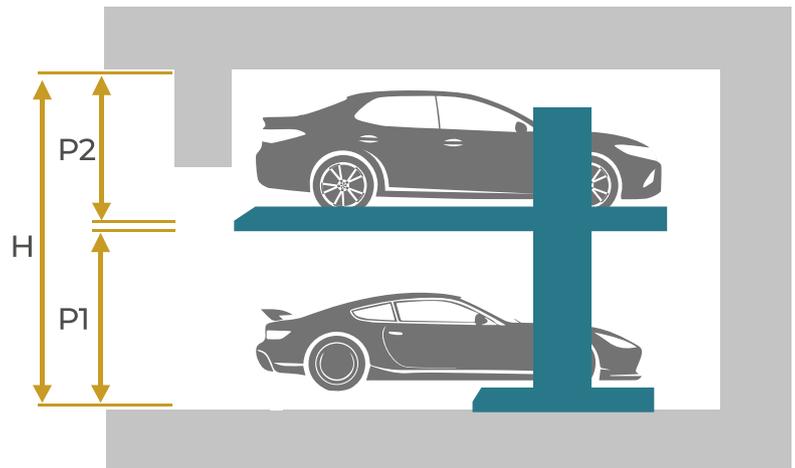
Dimensions	Platform length	Installation length for maximum vehicle length	Maximum vehicle length
K	350 cm	520 cm	500 cm
L	395 cm	520 cm	500 cm

*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

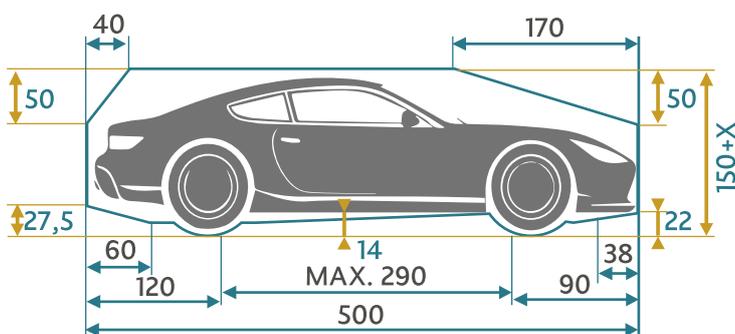
Overview of dimensions

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

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:

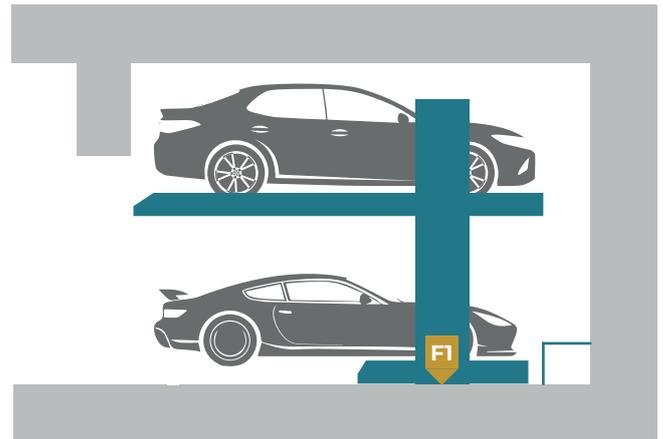
by holding down the respective button, the system moves smoothly and precisely into the desired position.

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

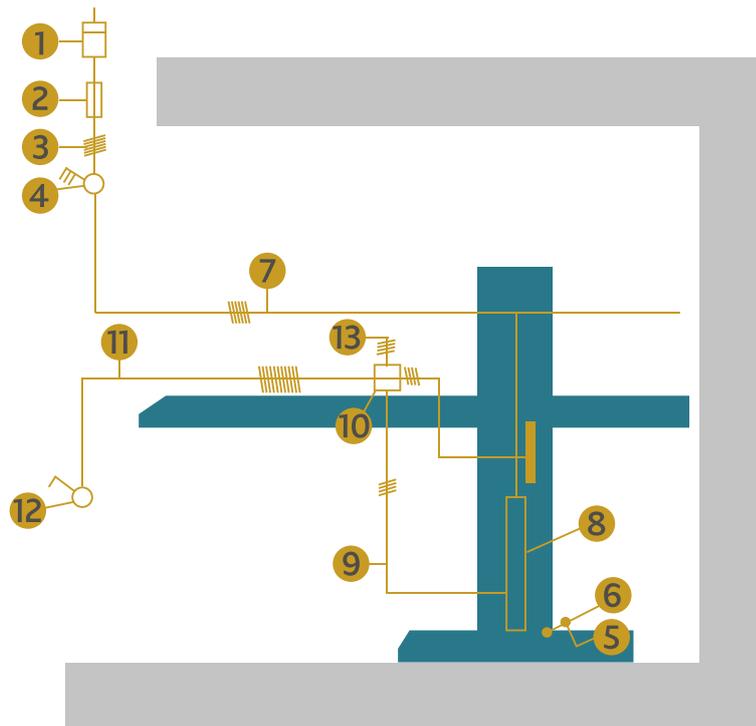
Power supply and system performance

- 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.

ADDITIONAL INFORMATION

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

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