



MAKING PLACE



DATASHEET L32 (WITH PIT)

Independent car parking system with 2 levels

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 L32

The L32 parking system is a hydraulic installation designed for space-saving vehicle parking. This system significantly reduces the required parking area, as two vehicles can be parked within the space of one.

A pit depth of at least 170 cm and a clear height of 320 cm are required for installation. The system features two operating positions: one for accessing the lower parking spaces and one for the upper parking spaces.

Operation is provided as standard via a push-button control. When entrance gates are installed in front of the system, operation via remote control is also possible.

ADDITIONAL DOCUMENTATION:



Drive-on plates – PDF



Gates – PDF

THE STANDARD SOLUTION FOR CLEAR HEIGHTS FROM 320 CM

SINGLE UNIT FOR **2 VEHICLES**

DOUBLE UNIT FOR **4 VEHICLES**

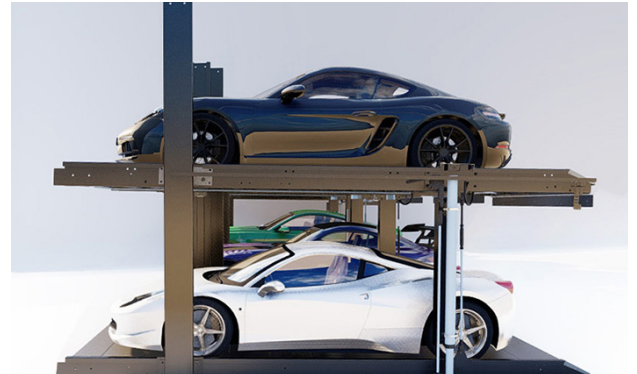
Ideal for use in residential buildings, office and commercial properties, as well as hotels.

Usage is intended exclusively for a designated, trained user group.

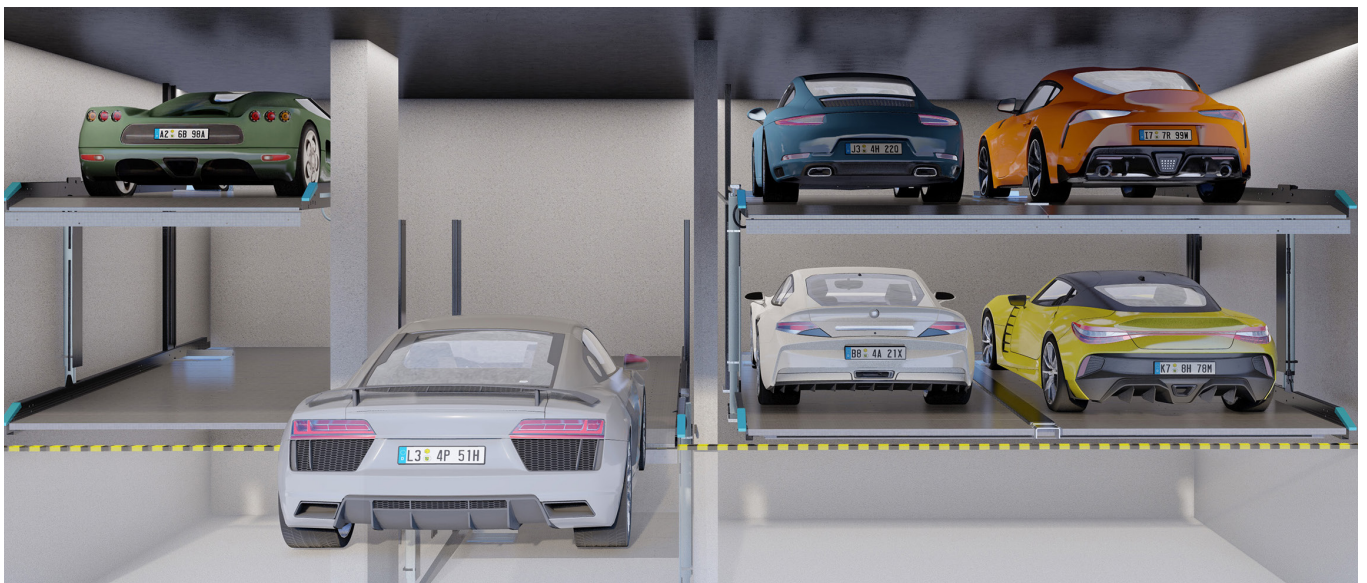
Installation can be carried out indoors, or outdoors upon request.

Vehicle weight (max.)

	Total weight	Wheel load
Standard	2000 kg	500 kg
Optional	2600 kg	650 kg
	3000 kg	750 kg



THE INDEPENDENT PARKING SYSTEM L32,
WITH HORIZONTALLY ACCESSIBLE PLATFORMS AND TWO PARKING
LEVELS, IS INSTALLED IN A PIT.



OUR STANDARD:

FLAT PLATFORMS WITHOUT TRIPPING EDGES

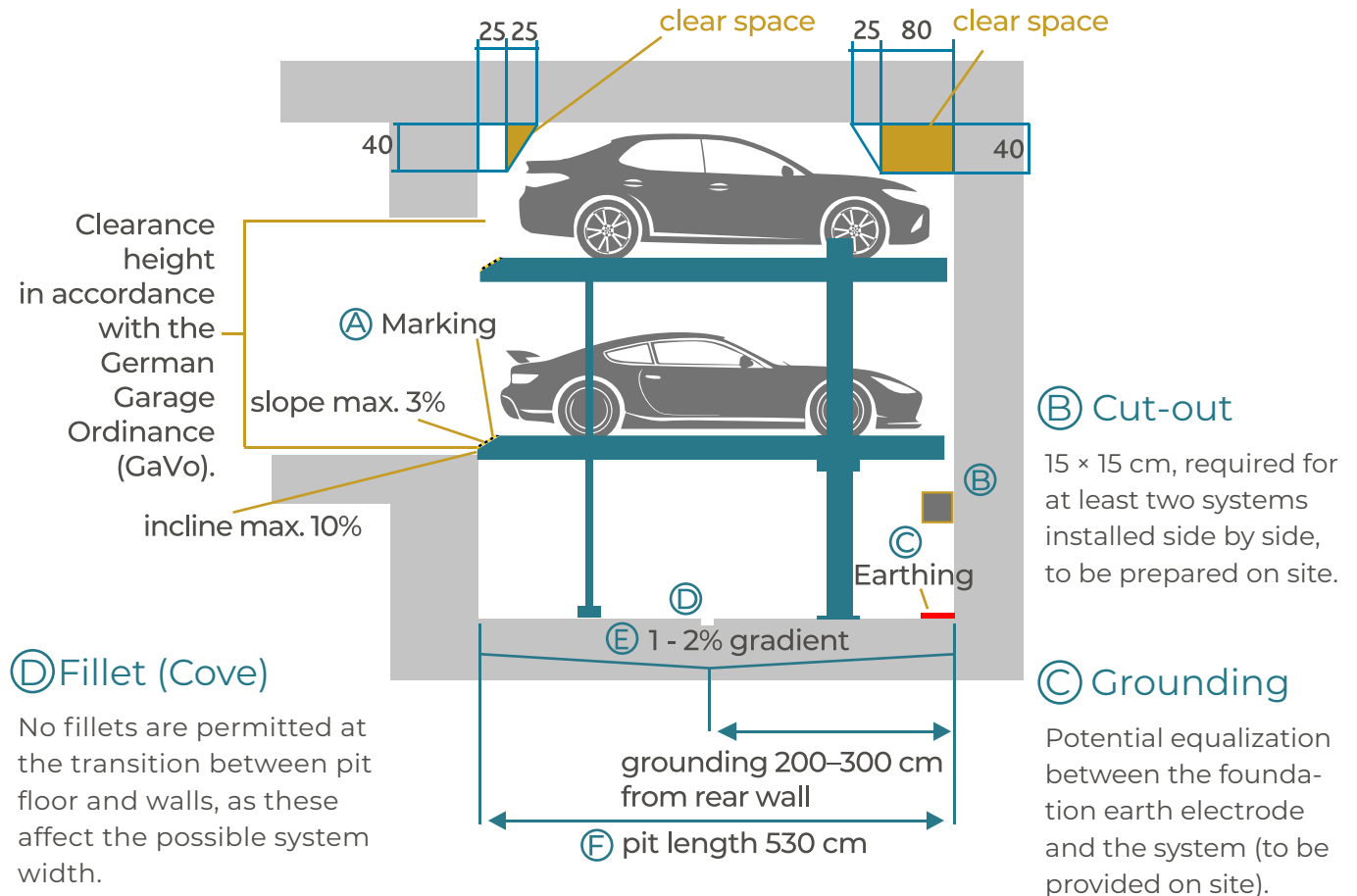
COMPACT DESIGN. QUICK INSTALLATION. EASY OPERATION.

Our well-thought-out construction enables simple planning, fast installation with fewer components, and comfortable, barrier-free operation.

LENGTH DIMENSIONS

Ⓐ Marking

At the pit edge in the access area, a 10 cm wide yellow-black warning stripe must be applied on site according to DIN ISO 3864, to clearly mark the danger zone in accordance with DIN EN 14010.



Ⓔ Drainage

A floor slope of 1-2 % must be provided in the pit. Drainage should be placed 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 long, a pit length of at least 530 cm is required. For vehicles up to 520 cm, the pit length should be at least 550 cm. Shorter versions are possible but must comply with local parking space regulations. For convenient operation, a pit length of 550 cm is generally recommended.

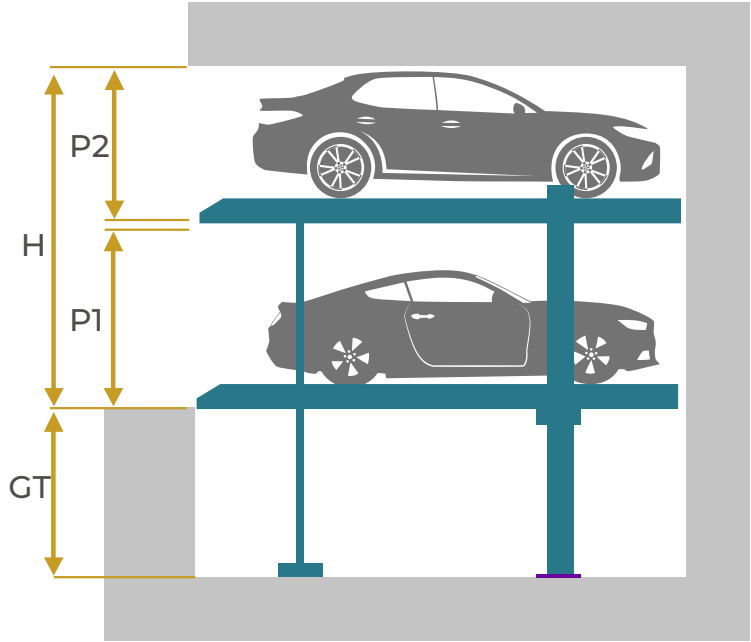
Note: If a gate is planned, please refer to the Gate Brochure.

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 minimum clear height must be 320 cm to ensure safe clearance for both levels.

Example:

With a pit depth of 190 cm, the lower vehicle (P1) may be up to 170 cm high. A clear height of 340 cm is required so that the upper vehicle (P2) with a height of 150 cm fits above.

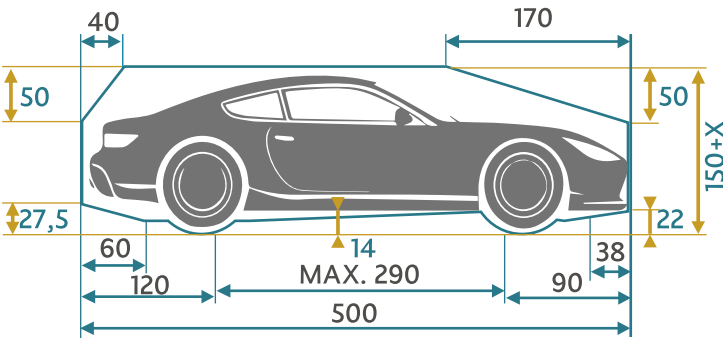


Dimension Overview:

- Pit depth (GT):** 170–225 cm (available in 5 cm increments)
- Max. vehicle height below (P1):** 205 cm (depending on pit depth)
- Clear height (H):** minimum 320 cm
- Max. vehicle height above (P2):** according to building height; greater clear height allows higher vehicles

Pit depth (GT)	Max. vehicle height below (P1)	Clear height (H)	Max. vehicle height above (P2)
170 cm	150 cm	320 cm	150 cm
185 cm	165 cm	335 cm	150 cm
200 cm	180 cm	350 cm	150 cm
210 cm	190 cm	360 cm	150 cm
225 cm	205 cm	375 cm	150 cm

CLEAR HEIGHT



- The maximum vehicle height:** (including roof rack, antenna, etc.) must not exceed the stated limits.
- On the upper platform:** higher vehicles may be parked if sufficient ceiling height is available.
- Dimensions:** All values are minimum dimensions.
- Standards & Tolerances:** Additional requirements apply according to:
 - VOB Part C (DIN 18330, DIN 18331)
 - DIN 18202

WIDTH DIMENSIONS – UNDERGROUND GARAGE WITH PARTITION WALLS



Single unit: for 2 cars



Double unit: for 4 cars



Combined single + double unit: for 6 cars

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

System width A	Parking width B
490 cm	460 cm
510 cm	480 cm
530 cm	500 cm
550 cm	520 cm
570 cm	540 cm

System width A	Parking width B+C
750 cm	230 + 460 cm
780 cm	240 + 480 cm
810 cm	250 + 500 cm
840 cm	260 + 520 cm
870 cm	270 + 540 cm

MAXIMUM SPACE EFFICIENCY – THE DOUBLE SYSTEM OPERATES ENTIRELY WITHOUT INTERFERING INTERMEDIATE SUPPORTS.

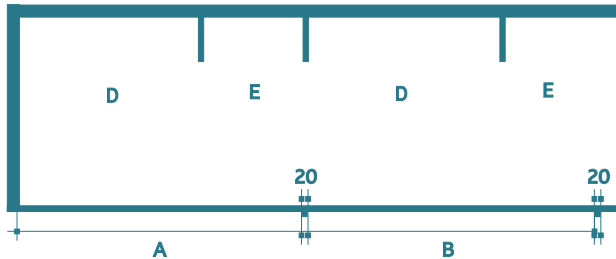
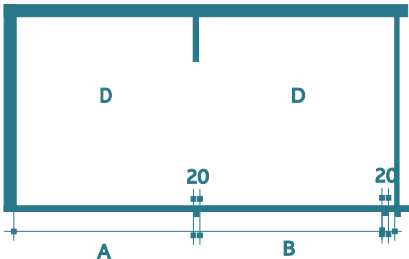
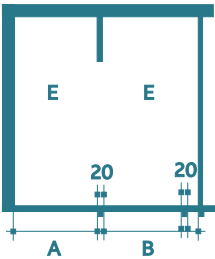
Planning and Execution Notes: Tolerances on site: 0 to +3 cm

Drive aisle width: according to GaVO and relevant state building regulations

Recommended parking width: from 250 cm for comfortable parking maneuvers

WIDTH DIMENSIONS – UNDERGROUND GARAGE WITH COLUMNS OUTSIDE THE PIT

Depiction (column width 20 cm) serves as a reference.



Wall to column A	Column to column	= Parking 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

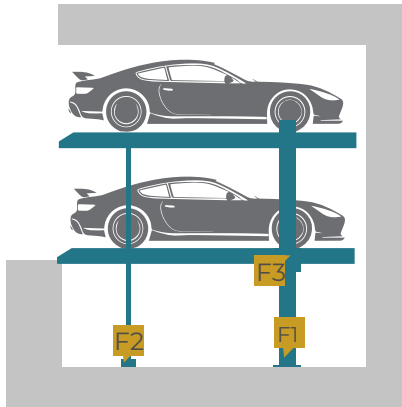
Wall to column A	Column to column B	= Parking width
480 cm	470 cm	460 cm
500 cm	490 cm	480 cm
520 cm	510 cm	500 cm
540 cm	530 cm	520 cm
560 cm	550 cm	540 cm

Wall to column A	Column to column	= Parking width
740 cm	730 cm	460 + 230 cm
770 cm	760 cm	480 + 240 cm
800 cm	790 cm	500 + 250 cm
830 cm	820 cm	520 + 260 cm
860 cm	850 cm	540 + 270 cm

WIDTH DIMENSIONS – UNDERGROUND GARAGE WITH COLUMNS INSIDE THE PIT

Columns within the pit may extend up to 120 cm into the pit, measured from the front edge. Exact coordination is required during planning.

CONSTRUCTION DETAILS



- The specified loads apply per system column.
- If two columns are positioned directly adjacent, the load values double, as both columns are anchored at one point.

Anchoring

The systems are anchored to the floor using heavy-duty bolts.

Required anchoring depth: approx. 13 cm.
The floor slab must be at least 20 cm thick and meet the concrete strength class C20/25 or higher, depending on structural requirements.

LOAD IMPACT

Single system

	2000 kg	2600 kg	3000 kg
F1	25 kN	32 kN	37 kN
F2	15 kN	20 kN	25 kN
F3	5 kN	5 kN	10 kN

Double system

	2000 kg	2600 kg
F1	45 kN	60 kN
F2	25 kN	30 kN
F3	5 kN	5 kN

Wall Openings and Building Walls

For electrical and hydraulic lines, a 15 × 15 cm opening must be provided in partition walls. Note: These openings may only be closed after installation is complete.

Walls at the entrance and rear must be concrete, perfectly level, and free of protruding elements.

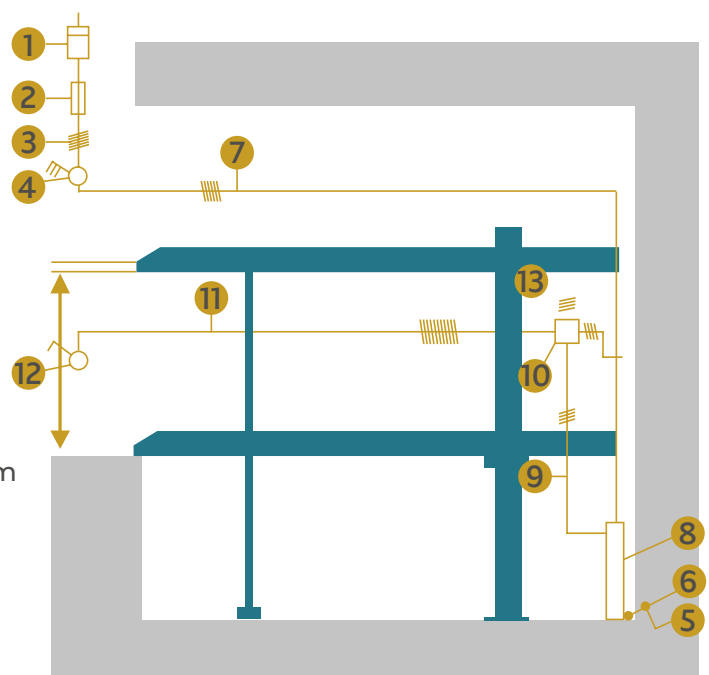
ELECTRICAL INSTALLATION

Customer-side provisions:

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

Power connection / System capacity:

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



CONTROL AND OPERATION

THE NEW GENERATION – OPERATION BY PUSH-BUTTON

Enhanced comfort and safety through an intuitive, modern control unit with:

two push-buttons (Raise & Lower), an emergency stop switch, a status indicator light, and a key switch for system activation.

To select a parking position, simply press and hold the respective button (press and hold to raise / lower).

Mounting options: wall installation (flush-mounted or surface-mounted) or on pedestal column.

PLANNING INFORMATION

Hydraulic unit

The compact hydraulic unit can be installed within partition walls or recesses.

Alternatively, a separate technical compartment above 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, and care

To ensure safe and long-term operation, the system must be serviced and cleaned regularly. Adequate drainage must also be ensured.

Railings and barriers

Traffic areas adjacent to or behind automated parking systems must be secured on site with suitable barriers or guardrails in accordance with DIN EN ISO 13857.

Ventilation and lighting

The parking garage must be ventilated in accordance with applicable regulations. Adequate lighting must be provided to ensure visibility and safety.

Temperature

range: -5 °C to +40 °C.

Relative humidity: max. 80 %.

For deviating conditions, please contact us.

Noise protection

In enclosed spaces, a maximum sound pressure level of 30 dB(A) must be maintained according to DIN 4109.

A corresponding sound insulation package is included.

Building structures must achieve a sound insulation value $R_w' \geq 57$ dB(A) on site.

Fire protection

Any applicable requirements or measures must be determined and implemented on site.

Conformity

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

ADDITIONAL INFORMATION

Barriers

Where necessary, barriers in accordance with DIN EN ISO 13857 must be installed to secure parking pits adjacent to traffic areas.

This also applies during the construction phase.

Guardrails are included as standard where required.

Drainage

The pit must include functional drainage, e.g. a drainage channel with connection to the sewer system or a sump pump.

A lateral slope within the channel is permissible, but not across the remaining pit area.

To protect the environment, a floor coating is recommended.

Oil and petrol separators must be considered according to local wastewater regulations.

Warning marking

According to DIN EN 14010, a 10 cm wide yellow-black marking per DIN ISO 3864 must be applied at the pit edge to clearly mark the danger zone.

IMPRINT



Data Sheet L32 (with Pit)

01/2026

Making Place GmbH

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