

## PRODUCT DATA

DIMENSIONS, TECHNICAL INFORMATION AND PERFORMANCE SPECIFICATION

# parkdisc D450



PARK  
& SMILE

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## Explanation of symbols



Max. load 3000 kg:



The systems provided are consistent with DIN EN 14010 and the EC Machinery Directive 2006/42/EC.

## Dimensions and tolerances



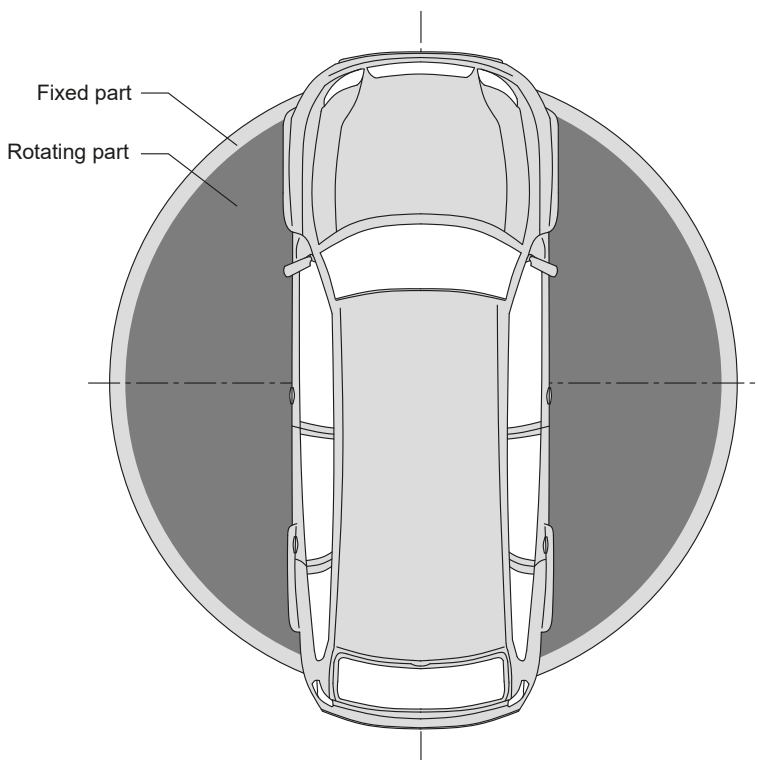
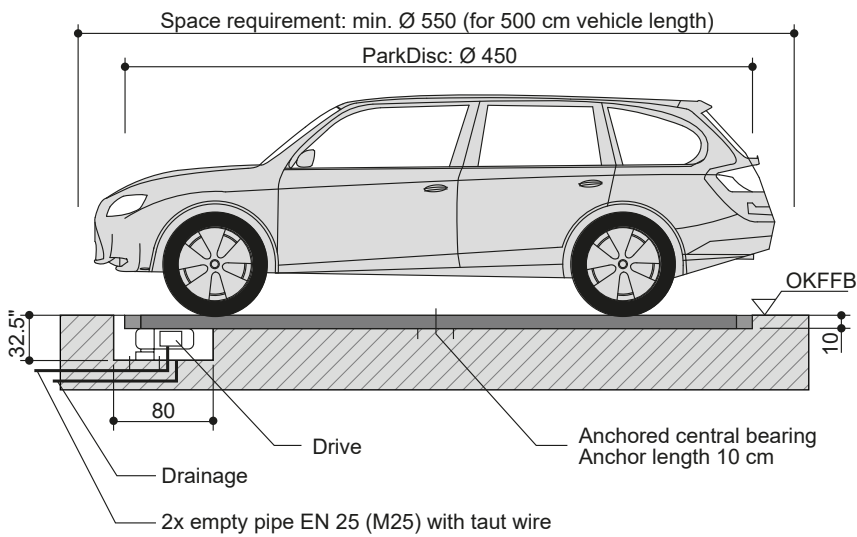
All dimensions and minimum final dimensions.

Tolerance for dimensions +3/0. Dimensions in cm.

In order to adhere to the minimum final dimensions, the tolerances in accordance with the German Construction Tendering and Contract Regulations [VOB], Part C (DIN 18330 and 18331) and DIN 18202 must also be taken into account.

## Version overview

### ParkDisc D450 (underfloor version)



### Upper edge finished floor (OKFFB)

The tolerances for evenness of the roadway (floor) must be adhered to in accordance with DIN 18202, Table 3, row 3.

### Parking options

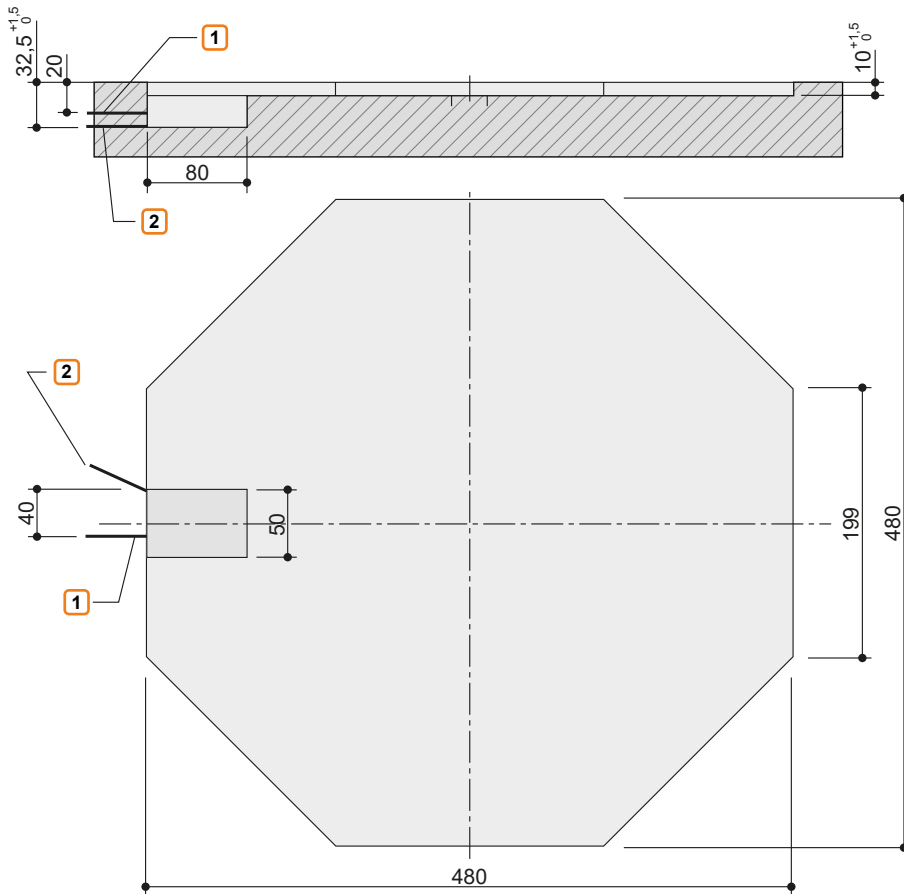
Series vehicles:  
saloon, estate, SUV, van in accordance with clearance gauge and maximum parking space load.

<b>Length</b>	max. 500 cm
<b>Weight</b>	max. 3000 kg
<b>Wheel load</b>	max. 750 kg

## Recess

### Recess drawing for underfloor drive

The drive housing does not provide complete protection against penetrating flowing water. It must be ensured that no flowing water can get into the area of the drive.



- 1 2x empty pipe EN 25 (M25) with taut wire
- 2 Drainage

## Electrical installation

### Supply cable

- Supply cable 5 x 2.5 mm<sup>2</sup> (3 PH+N+PE) to the switch cabinet with connectable master switch. A larger cable cross-section may be required dependent on the laying method or cable length. Please comply with the appropriate local standards.
- Pre-fuse:  
3 x 10 A fuse (slow-blow) or 3 x 10 A circuit breaker (trip characteristic K or C).
- The customer must provide the supply cable to the switch cabinet during installation. Functional capability can be checked by our engineers on site, in conjunction with the electrician. If this is not possible during assembly for reasons attributable to the customer, the customer must commission an electrician.

### Operating point

Attachment at a clear point (e.g. a pillar).

## Technical information

### Corrosion protection

In accordance with the 'Corrosion protection information' supplement.

### Ambient conditions

Ambient conditions for the areas around KLAUS Multiparking parking systems:

Temperature range -10 to +40° C. Relative humidity 50 % for a maximum outside temperature of +40° C.

### Building application documents

Multiparking systems generally require approval. Please observe local regulations and stipulations.

### Care

To prevent corrosion damage, please observe our special cleaning and care instructions and ensure that your garage is well ventilated.

### CE conformity

The systems provided are consistent with DIN EN 14010 and the EC Machinery Directive 2006/42/EC.

### Noise generation

Rollers mounted on ball bearings ensure a low noise level.

### Notes

- Max. load: Vehicle up to 3000 kg
- Working on vehicles parked on the ParkDisc is forbidden
- The parked vehicle must be secured to prevent unintentional movements in accordance with the operating instructions
- People are only permitted to travel on the ParkDisc when inside a vehicle

## Performance specification

### Description

The rotating part comprises multiple individual segments which, when screwed together, form a solid frame, that is borne on ball bearings in the centre and is supported on the perimeter on maintenance-free ball-bearing mounted rollers that meet the static load requirements while ensuring the low-noise running of the ParkDisc.

These rollers are mounted on the annular U-profile that is joined to the floor by anchor plugging. Additionally, concrete claws are welded on at the sides.

### Drive

- The ParkDisc is driven by a three-phase gear motor (0.18 kW, IP 55, 230/400 V, 50 Hz) with force transmission by friction
- The ParkDisc rotates through 360° in 45 seconds (1.33 rpm)
- In the event of a power failure, the ParkDisc can be rotated manually with the motor brake manually released
- The motor is mounted in a special rocker with adjustable contact pressure
- Please see page 4 for the shaft dimensions for the motor and the empty pipe to be laid on site.

### Operation (D450)

- Operation takes place via pushbuttons on a dead-man's manual control
- The on-site power supply can be interrupted by a lockable master switch

### Floor covering

- The floor covering comprises galvanised chequer plate
- A cover is fitted in a suitable position to facilitate installation and maintenance work
- Screws, nuts and washers are electrolytically galvanised
- All other steel and plate parts are galvanised with the exception of parts designed not to be such as pins, bearings, etc.

### Weight/diameter

- The weight of the complete ParkDisc is about 1200 kg
- The rotating part has a diameter of 450 cm

### Options

- 2-channel radio remote control
- Safety light-barriers

## Services to be provided by the customer

### Recess

Recess for drive motor and ParkDisc, water drainage from the recess.

### Empty pipes

Empty pipe EN 25 (M25) with taut wire between the drive pit and switch cabinet.

### Concreting

Setting the fixed part in concrete.

### Drainage

Required drainage.

### Supply cable to master switch - foundation earth

The customer must lay the supply cable to the master switch during assembly. Functional capability can be checked by our engineers on site, in conjunction with the electronics engineer. If this is not possible during assembly for reasons attributable to the customer, the customer must commission an electronics engineer.

The customer must earth the steel structure with a foundation earth connection (earthing distance max. 10 m) and equipotential bonding in accordance with DIN EN 60204.

### Building services systems

Any lighting, ventilation, fire-extinguishing and fire-alarm systems that may be required, plus clarification and compliance with corresponding official documentation.

### If the following item is not listed in the offer, then this too is considered a customer performance:

- Costs for the competent person's inspection and approval

## Subject to technical changes

In the course of technical progress, KLAUS Multiparking shall be entitled to use newer or different technologies, systems, processes or standards to provide the services than initially offered, provided that this does not disadvantage the customer in any way.

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