



Data Sheet

Turntable

GD - Hard Disc



Genio Engineering, S.L.

C/ Ayala 86, Bajo Ext. Izq.
28001 Madrid
Tel: + 34 91 088 81 36
info@gening.es
www.gening.es

Contents

Page

1 Dimensions

2 Civil works

3 Description

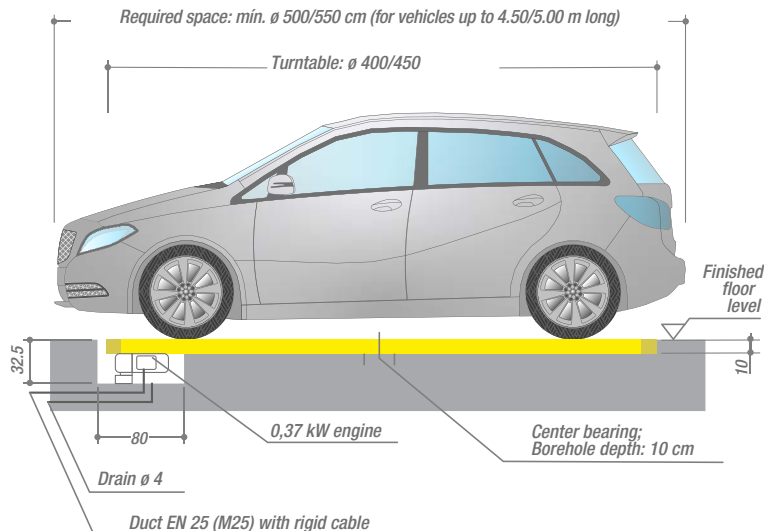
4 Technical data



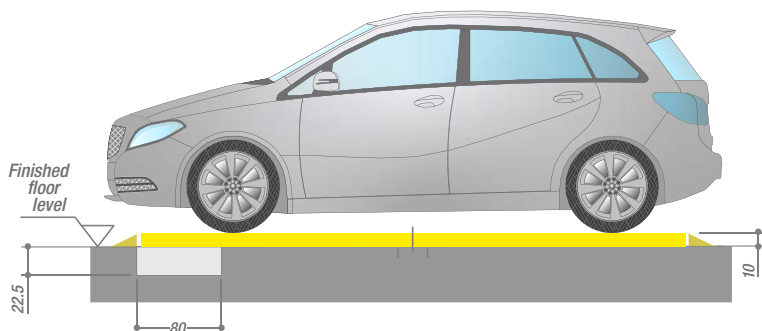
Turntable GD (below ground level)

Required space: min. $\varnothing$ 500/550 cm (for vehicles up to 4.50/5.00 m long)

Turntable: $\varnothing$ 400/450



Turntable GD (above ground level)



Dimensions:

The dimensions of the civil works are the minimum necessary.

Dimensional tolerances $\begin{matrix} +1,5 \\ 0 \end{matrix}$ Dimensions in cm.

Finished floor level

The tolerances of the fullness of the access floor must strictly comply with DIN 18202, chapter 3, line 3.

Situable for:

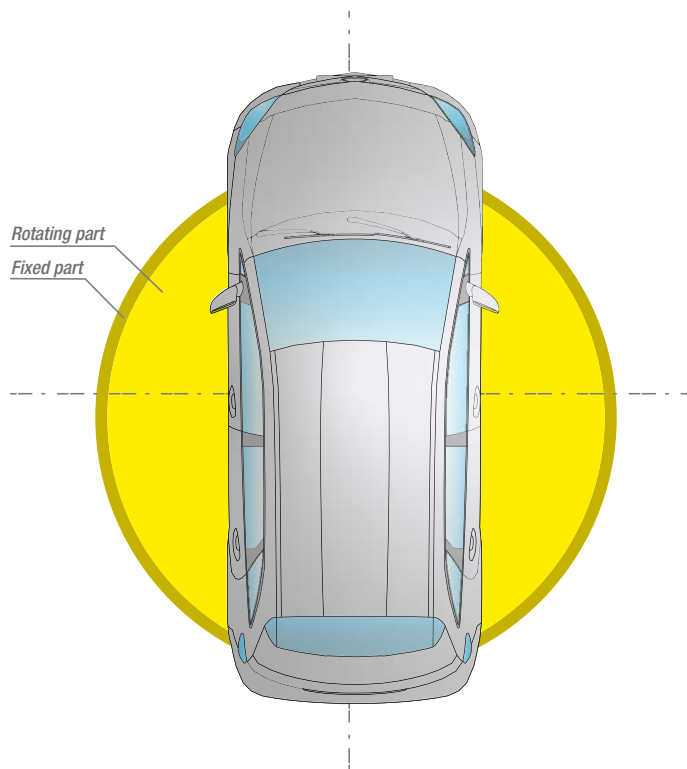
Conventional and family cars.

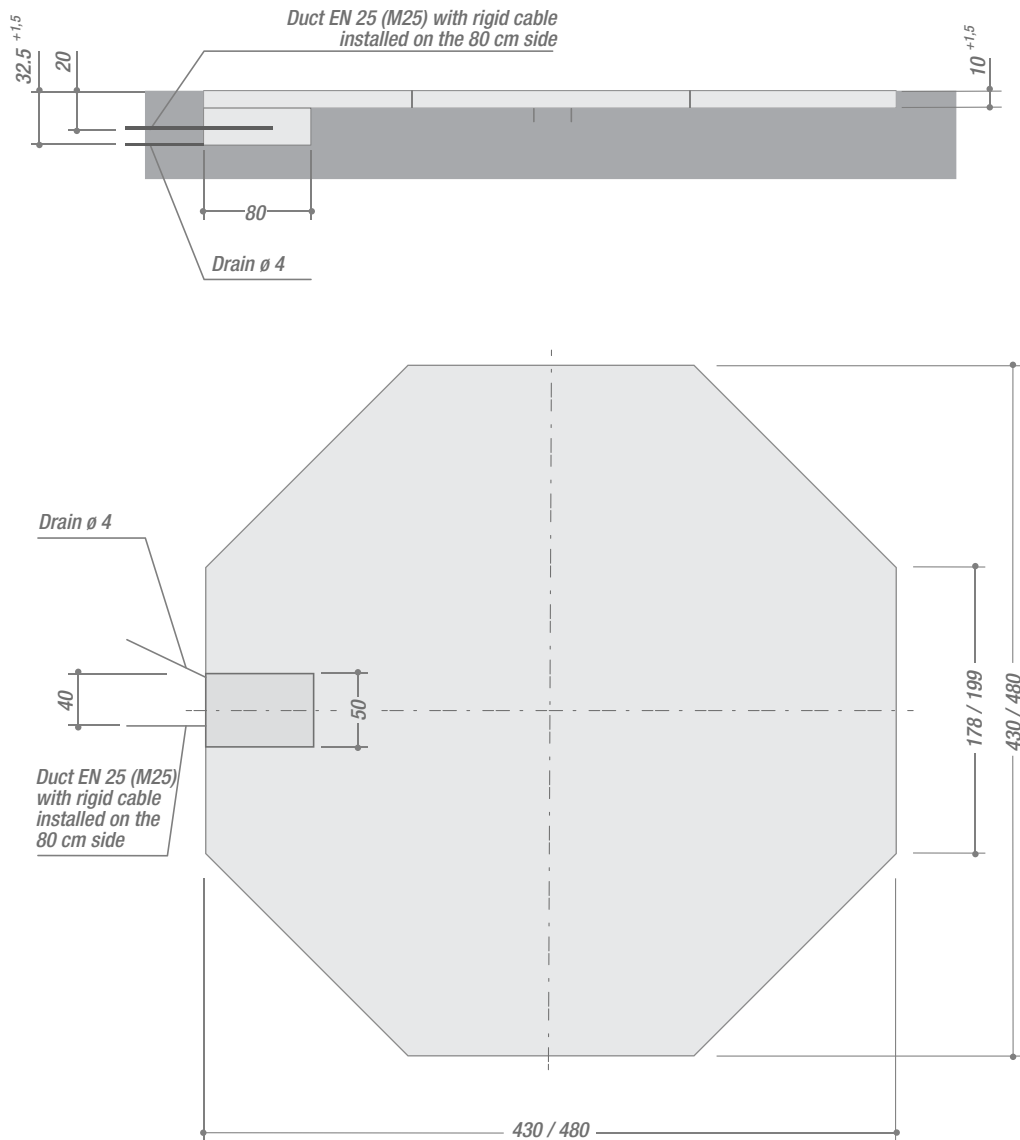
Vehicle dimensions

Length	máx. 4.50/5.00 m
Weight*	máx. 2.500 Kg
Weight per wheel*	máx. 625 Kg

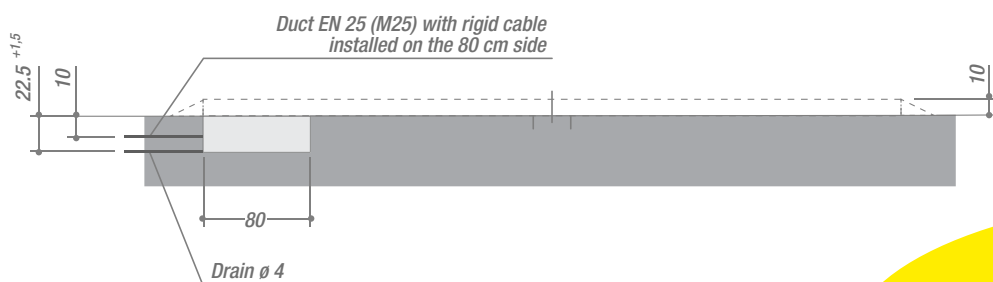
Standard passenger cars are vehicles without sports accessories such as spoilers, low-profile tires, etc.

* Optioal máx. weight 3.500 kg. máx. weight per wheel 875 kg.



Civil works plan for turntable below ground level

Civil works plan for turntable above ground level

Only the motor shaft is required for the turntable above ground level. (80 x 50 x 22,5).



To be performed by the customer

Acces ramp

For platforms to be installed above ground level, the customer must install the access ramp after the turntable has been installed.

Main switch

Lockable main switch for each system. The main switch should be mounted directly next to the control panel.

Civil works

Civil works for motor shaft, turntable, drains. The system is bolted to the ground. The depth of the holes in the ground is approximately 15cm. The floor must be built in H20/25 concrete.

Duct

EN conduits (M25) with rigid cable between motor pit and control panel.

Insertion

Inserted or embedded in cement.

Drain

Drain required

Power supply to the control panel

The supply line to the control panel must be provided by the customer during installation. The functionality can be checked at installation by our installers in conjunction with the site electricians. If this cannot be done during installation, for any reason, for which the customer is responsible, the customer must hire an electrician at his own risk.

Building facilities

All necessary lighting, ventilation, fire suppression and fire alarm systems, as well as clarification and compliance with regulatory requirements.

If the following is not included in the order, it will have to be supplied / paid for by the customer

- Costs of final technical approval by the authorized technical service.

Description

General description

The rotating part is composed of individual bodies that are bolted together to form a solid structure. The assembly is equipped with a central ball bearing and (in accordance with static requirements) with low-maintenance plastic rollers with ball bearings, which allow smooth and quiet movement.

These rollers are mounted on a frame of circular U-profiles, which in turn are securely fixed to the floor by means of dowels and screws. Additional supports for embedding in concrete are welded to the sides.

Motor unit

- The turntable is driven by a three-phase motor (0,37 kW, IP55, 400 V, 50 Hz) using frictional resistance..
- In 45 seconds, the platform rotates 360° (n=1.33 / min).
- In the event of a power failure, the platform can be moved manually by disconnecting the motor brake
- The motor is housed in an adjustable tilting support that allows permanent contact with the platform.
- Specifications related to the size of the engine compartment and the ducts to be made by the customer can be found on page 2 of this data sheet.

Operation

- The system is activated by a push-button panel with man-present control.
- The power supply can be interrupted by means of a lockable main switch.

Platform floor

- The platform floor is made of galvanized lacquered sheet metal.
- These plates are installed in the proper position for installation and maintenance.
- Bolts, nuts and plates are galvanized.
- All other metallic material can be optionally galvanized with the exception of construction materials such as bolts, bearings, etc.

Weight

- The weight of the turntable is approx. 1,200 kg.
- The turntable has a diameter of 400 / 450 cm.

Options

- 2-channel radio-frequency remote control
- 4-channel radio-frequency remote control
- Proximity switch
- Safety photoelectric sensors (infrared)
- Rotation speed regulator
- Ring for centering the positioning of the vehicle
- Customized color



Electrical installation

Power supply

Power supply 5 x 1.5 mm² (3 Phase+Neutral+Ground) to the electrical cabinet with lockable main switch. System layout and long conduit lengths may require increased cable lengths. The electrical installation must comply with local regulations.

Main fuses:

- 3 x 10 A slow blow or 3 x 10 A cutout automatics (K or C tripping speed).

The appropriate electrical connection to the electrical cabinet must be provided by the customer. The functionality can be checked at installation by our installers in conjunction with the on-site electricians. If this cannot be done during installation for any reason for which the customer is responsible, the customer must hire an electrician at his own risk.

Control panel

Secure location chosen by the customer with visual contact to each platform.

Technical data

- Maintenance offer/contract
- Declaration of Conformity

Corrosion protection

GENING performs a galvanizing process on the entire interior metal structure and on the plates of its turntables, as well as on the bolts and fasteners. Galvanizing is a procedure for coating steel parts by immersing them in a crucible of molten zinc at 450 °C. Its main objective is to prevent rust and corrosion that can be caused by humidity and environmental pollution and to enhance its mechanical strength against shocks.

The standard version of the GENING turntables is suitable for both indoor and outdoor use.

Environmental conditions

Environmental conditions for the installation area of this system. Temperature range: -10 to +40 °C. Relative humidity: 50% with a maximum outdoor temperature of +40 °C.

Noise emission

Roller ball bearings maintain low noise level

Notes

- It is forbidden to work on vehicles parked on the platform.
- The parked vehicle must be protected against unintentional movement in accordance with the instructions.
- The transport of any person is only allowed if that person is inside the vehicle.

Genio Engineering, S.L. reserves the right to change specifications without prior notice.

Genio Engineering, S.L. reserves the right in the course of the technical process to use new or other technologies, systems, processes, procedures or regulations to guarantee the fulfillment of its obligations initially offered or those derived and even those that originate possible changes that do not suppose any disadvantage for the client.

