

Construction project:

Installation of a car parking system

Preliminary technical notes

1. The principles underlying the execution of this project are:
 - 1.1 Garage regulations of the relevant federal states in the latest version
 - 1.2 The EC Machinery Directive no. 2006/42/EC, Annex 1, and the DIN EN 14010
 - 1.3 The project execution drawings produced by the architects
 2. By submitting a bid, the tenderer confirms that the relative garage dimensions as well as the driving aisle widths are in full compliance with the Garage Regulations in force, with the project execution guidelines designated by the tenderer and with the system itself, as offered by the tenderer.
 3. The required load capacities compliant to the DIN 1991-1-1, page 3, amount to 2.0 t for each parking place.
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Technical specifications

General:

- Turntable 505 for turning vehicles in narrow and bounded entrances and exits.
- For the relative dimensions please consult the WÖHR Turntable 505 Data Sheet .
- In areas where access is restricted to authorized persons (e.g. underground car parks with keys), operation is carried out via an operating device with pushbuttons. In outdoor installations, where this is not guaranteed, operation is via an operating device with key switch (hold-to-run device) at an extra charge.

Corrosion protection:

The classification of the parking systems to the DIN EN ISO 12944-2 reads:

Corrosivity category C3 medium (interior: production rooms with high humidity and some air pollution. Exterior: urban and industrial atmospheres, moderate pollution by sulphur dioxide. Coastal areas with low salinity.

Corrosivity category C2 low (interior: unheated buildings where condensation may occur, e.g. depots, sports halls). **C2 applies to all moving parts** such as cog wheels, racks, chains and bevel gears located either above or below the drive-in levels.

- Cover plates hot-dipped galvanised compliant to DIN EN ISO 1461 with approx. 45 µm zinc layer
- Screws for the installation of the cover plates, washer and nuts:
Sheet mounting with self-channelling screws, zinc multi-disc coating, approx. 12-15 µm layer thickness; washers and nuts electrolytically galvanised compliant to DIN 50961, approx. 5-8 µm zinc layer
- For further details see additional sheet Surface Protection

Preparation works to be performed by the customer:

1. Main power supply cabling up to the lockable main switch and connection to the main switch (electrical works to be compliant to the specifications on the WÖHR Turntable 505 Data Sheet.
2. Acceptance certification performed by an expert, if not formally included in the offer.
3. Concrete quality according to the static building requirements, min. C20/25.
4. Floor recess as well as delivery and assembly of empty pipes according to detailed instructions. The ring-shaped border mounted by the manufacturer has to be covered with concrete.
5. Outdoor installation is possible, provided the pit edge is heated by the customer (required for installation sites with snowfall and temperatures below 0° C),
6. Drainage (mandatory when used outdoors). The drainage of the pit must be performed by the customer with a surface gradient above the motor-recess level. If this is to be connected to the sewage system, it is advisable to provide oil and/or petrol separators.
7. Sufficient lighting in the area of the turntable.
8. If DIN 4109 "Sound protection in structural engineering" is to be fulfilled, customer-performed requirements are necessary: separate foundation from the building structure.



Scope of operations

UP

TP

Item 1.00.

Turntable for **one car**

Diameter: 450 cm

Vehicle length: 500 cm

Platform load: 4,0 t

including installation and freight costs, free delivered to the installation site
incl. electrical work from lockable main switch
including inspection certification by a technical expert

WÖHR Turntable 505
or its equivalent

___ Piece(s) € _____ € _____

**Net total price
plus 19 % VAT**

€ _____

Item 1.10. *Contingency item *

Surcharge for stainless steel
textured sheet

___ Piece(s) € _____ € _____

Item 1.20. *Contingency item *

Surcharge for 10 cm deep trough for
customer-performed filling of the trough

___ Piece(s) € _____ € _____

Item 1.50. *Contingency item *

Surcharge for completion of a system
maintenance contract, which includes
2x annual maintenance consisting of
a main and secondary inspection,
all spare and wear parts,
as well as a cleaning of the platform top

4 years € _____ € _____

**Net total price, including contingency items
plus 19 % VAT**

€ _____