

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 1055, page 3, amount to 2.0 t for each parking place
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Technical specifications

General:

- Car parking system for independent parking.
- Parking Platform 501 in laterally shiftment, which are arranged in front of fixed parking spaces. Parking Platforms are moved in such a way that the parking spaces behind them can always be accessed.
- Power supply via a busbar on the ceiling.
- For the relative dimensions please consult the WÖHR Parking Platform 501 (electric rail on the ceiling) Data Sheet.
- The system is operated from a central control station (operating device). Selection of Parking Platforms via RFID chip (three chips per parking place). The text display is used as a user guide. Parking Platforms are moved so that the access to the selected parking place is freely traversable. The entire system and its movements must be visible from the operating device and from the controls.
- On the left side of the parking place there is about 60 - 80 cm space for getting in and out available.
- Vehicle wheel stop for vehicle positioning is included for each parking place.

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.



- Driving metal sheets hot dip galvanised with a zinc coating of approx. 45 my (compliant to the DIN EN ISO 1461).
- Side panels hot-dipped galvanised compliant to DIN EN ISO 1461 with approx. 55 my zinc layer.
- Screws for the installation of the driving metal sheets, washer and nuts:
Sheet mounting for the side panels of self-channelling screws, zinc multi-disc coating, approx. 12-15 my layer thickness. Washers and nuts electrolytically galvanised compliant to DIN 50961, approx. 5-8 my zinc layer.

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 Parking Platform 501 (electric rail on the ceiling) Data Sheet.
2. Acceptance certification performed by an expert, if not formally included in the offer.
3. Flatness of the finished floor according to DIN 18202, Table 3, line 3.
4. Required levelling of the floor to determine the flatness.
5. Sufficient lighting of the driving aisle and of the parking places if necessary.
6. Possibly required fire protection equipment (fire extinguishing systems, fire alarm systems, etc.).



Scope of operations

UP

TP

Item 1.00.

Laterally movable parking platform for **one car**

(Select the values or fill in any differing construction dimensions)

Platform width: _____ cm

Parking Platform length: 396 cm

Vehicle length: _____ cm

Platform load: 2,0 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 Parking Platform 501
 or its equivalent _____ Piece(s) € _____ € _____

Net total price € _____
plus % VAT

Item 1.10. *Contingency item *

Surcharge for a larger platform width

_____ cm _____ Piece(s) € _____ € _____

Item 1.20. *Contingency item *

Surcharge for increase of the platform
 load to 2.6 t for each parking place

_____ Piece(s) € _____ € _____

Item 1.40. *Contingency item *

Light barrier system for personal monitoring,
 provided safety distance of min. 30 cm
 is not exceeded

_____ Piece(s) € _____ € _____

Technical specifications / Tender text
WÖHR Autoparksysteme GmbH
PARKING PLATFORM 501/9



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 % VAT

€ _____
