

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 0
 - 1.3 A conformity test by TÜV SÜD
 - 1.4 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:

- Parking Platforms 503 for longitudinal moving, 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.
- For the relative dimensions, rail system and drive versions please consult the WÖHR Parking Platform 503 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 areas where this is not guaranteed, operation is via an operating device with key switch (hold-to-run device) at an extra charge.
The shifting operation either ends by releasing the button or by a limit switch at the drive when the maximum shifting distance is reached. While the platforms are shifted a flashing light is blinking above the turning point of the platforms.
- **WÖHR Parking Platform 503 EP:** for 1 car.
- **WÖHR Parking Platform 503 TP:** for 2 cars one behind the other.

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 with a zinc-aluminum-magnesium alloy coating of approx. 16 µm on both sides (compliant to the DIN EN 10346)
- Drive on metal sheets hot-dipped galvanised compliant to EN 10327 with approx. 20 µm zinc layer (continuously galvanized)
- 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 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 Parking Platform 503 Data Sheet).
2. Acceptance certification performed by an expert, if not formally included in the offer.
3. Flatness of the unfinished floor according to DIN 18202, Table 3, line 2.
4. For drive unit under floor: floor recess for gearbox as well as delivery and assembly of empty pipes DN 40 with taut wire according data sheet or plan drawings.
5. For drive unit under floor: set the gearbox installed by the manufacturer in concrete.
6. After installing the rails, laying the screed at the height of the running rails according to DIN 18202, Table 3, line 3 (see Parking Platform 503 Data Sheet).
7. Possibly additional marking of the platform edges according to ISO 3864.
8. Sufficient lighting of the driving aisle and of the parking places if necessary.



Scope of operations

UP

TP

Item 1.00.

Longitudinally movable Parking Platform for **one car**
(WÖHR Parking Platform 503 EP 2,0)

Vehicle length: 500 cm

Installation length: 500 cm

Travel path: 470 cm

Platform width: 217 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 503 EP 2,0
or its equivalent

___ Piece(s) € _____ € _____

Item 1.10.

Longitudinally movable Parking Platform for **one car**
(WÖHR Parking Platform 503 EP 2,3)

Vehicle length: 530 cm

Installation length: 530 cm

Travel path: 500 cm

Platform width: 245 cm

Platform load: 2,3 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 503 EP 2,3
or its equivalent

___ Piece(s) € _____ € _____

Technical specifications / Tender text
WÖHR Autoparksysteme GmbH
PARKING PLATFORM 503



Item 1.20.

Longitudinally movable Parking Platform for **two cars**
 (WÖHR Parking Platform 503 TP 2,0)

Vehicle length: 500 cm
 Installation length: 1000 cm
 Travel path: 970 cm
 Platform width: 217 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 503 TP 2,0
 or its equivalent _____ Piece(s) € _____ € _____

Item 1.30.

Longitudinally movable Parking Platform for **two cars**
 (WÖHR Parking Platform 503 TP 2,3)

Vehicle length: 530 cm
 Installation length: 1060 cm
 Travel path: 1030 cm
 Platform width: 245 cm
 Platform load: 2,3 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 503 TP 2,3
 or its equivalent _____ Piece(s) € _____ € _____

Net total price € _____
plus 19 % VAT

Technical specifications / Tender text
WÖHR Autoparksysteme GmbH
PARKING PLATFORM 503



Item 1.40. *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

€ _____
