

WÖHR PARKING PLATFORM 503 (longitudinal shifting)

Specification

General:	Parking platform 503 with longitudinal shifting. They are used in driving lanes of underground car parks to increase the number of parking spaces in traffic areas which have been used before for manoeuvring only. These parking platforms are motor-driven and, if they are empty, can be driven over to reach the parking spaces behind them, or they are shifted if the parking platforms are occupied. For dimensions please see data sheet Parking Platform 503 . The operating device for the parking platforms is arranged so that all platforms and the parking spaces behind them are in sight. An operating instruction is clearly visible and permanently fixed above each operating device.
Design and description:	The parking platforms have completely closed surfaces with wheel troughs for the rear wheels of the parking car. The edges are bevelled for easy and comfortable parking or driving over. The driving plates and wheel troughs are mounted in a screwed sheet-metal frame. It is provided with ball bearing „whisper“ Vulkolan rollers which can quickly be quickly exchanged.
Platform height:	Platform height approx. 9 cm above finished floor.
Drive	Each parking platform is provided with a drive mounted in the turning point of the platform. Shifting speed approx. 0.20 m/sec. The following drives are available alternatively: „Drive unit above floor“: No floor recess required. Power transmission via a tight chain laid in a U-shaped profile which is open towards the outside and thus completely secured. The chain is deviated by two chain wheels and driven by the motor chain wheel. „Drive unit under floor“: Requires floor recess. Power transmission below the platforms via a chain guided like a gear rack and driven by a motor chain wheel.
Rails:	Guide rail and running rails hot-dip galvanized according to DIN EN ISO 1461, zinc layer approx. 45 µm, approx. 20 mm above top edge finished floor, dowel on finished floor. For evenness according to DIN 18202 (table 3, line 3), floor layers and details please see data sheet.
Electric wiring and control:	The parking platforms are always currentless. The electric power supply for the drive which is mounted separately from the platform is either surface laid („drive unit above floor“) or laid in empty pipes („drive unit under floor“). Each operating device has two buttons indicating the directions and an Emergency Stop button. One operating device per platform is mounted on the column opposite the platform. Operation always according to the hold-to-run-device. This control system is feasible only if entrance to the underground car park is restricted solely to authorised users, e.g. by way of proprietor lock-cylinders, magnetic swipe cards/chips or access codes. If restricted access cannot be ensured, it is necessary to supply service-key operated lock switches for control-system release, subject to a surcharge. 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.
Control:	With the necessary motor contactors and an electronic control.
Standards:	WÖHR Car Parking Systems are machines according to the Council Guideline governing machinery 2006/42/EC, Annex 1 and EN 14010.
Corrosion protection	For details please see enclosed information Surface protection 2014 , No. 023-0024.
Provided by customer:	<ol style="list-style-type: none">1. Evenness of bare floor according DIN 18202 (table 3, line 2).2. Electric work according to enclosed data sheet Parking Platform 503 (supply lines with lockable main switch to the switch cabinet).3. For drive unit under floor: floor recess for gear box as well as delivery and assembly of empty pipes DN 40 with taut wire according data sheet or plan drawings.4. For drive unit under floor: the gear box mounted by the manufacturer has to be covered with concrete.5. After mounting the rails the floor pavement has to be embedded up to the same level with the running rails according to DIN 18202 (table 3, line 3) see data sheet 503.6. Marking of platform edges according to ISO 3864, if required.7. Acceptance by authorised inspector, if required together with a fitter, if not included in offer

Enclosure: [Surface protection 2014](#), Nr. C023-0024.

The manufacturer reserves the right to modify or alter above specifications.

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