

Data Sheet Wöhr Combilift 551-2.6

Suitable for condominium and office buildings.
For permanent use only!*

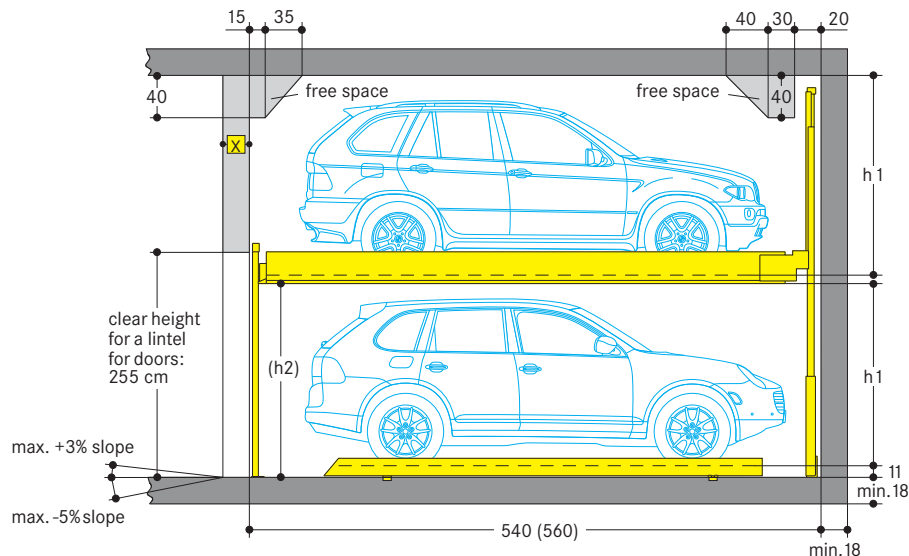
* In case of short time user (e.g. for offices, hotels, a.s.o.) technical adjustments are required. Please contact WÖHR!

Platforms are in horizontal position to drive on.

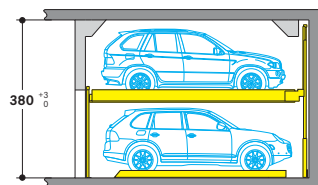
Load per platform max. 2600 kg
(load per wheel max. 650 kg)

X = to be clarified with door supplier.

Dimensions in cm



Standard type 551 - 2600 kg

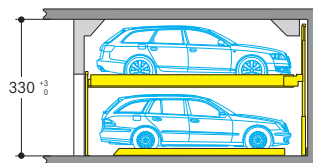


	car height	distance
UL*	Cars/Vans/SUV up to 175 cm	h1 = 180
EL*	Cars/Vans/SUV up to 175 cm	h1 = 180

Access height h2 = 191 cm.

* UL = upper level, EL = entrance level

Economic type 551 - 2600 kg

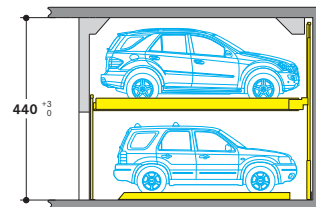


	car height	distance
UL	Cars/Vans/SUV up to 150 cm	h1 = 155
EL	Cars/Vans/SUV up to 150 cm	h1 = 155

Access height h2 = 166 cm.

Please attend to restricted car heights on upper and lower platforms!

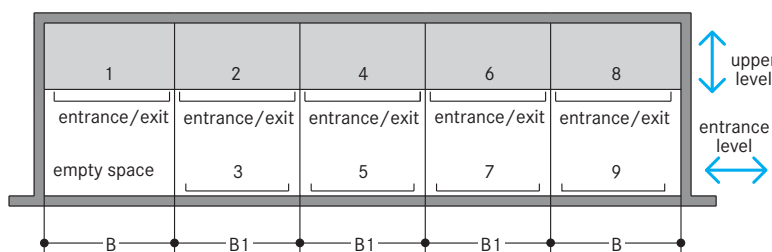
Comfort type 551 - 2600 kg



	car height	distance
UL	Cars/Vans/SUV up to 205 cm	h1 = 210
EL	Cars/Vans/SUV up to 205 cm	h1 = 210

Access height h2 = 221 cm.

Width dimensions



In each grid a entrance/exit is necessary.

Space required	gives clear platform width UL	gives clear platform width EL
B	250	227*
B1	260	227*
B	270	227*

* the space to get in and out of the car for platforms in entrance level is increased by 35 cm driver side.

Notes

- For standard version no doors are necessary. Doors can be installed either for manual or automatic opening.
- Arrangements start with 2 grids for 3 cars, 3 grids for 5 cars etc.
- Car length max. 500 cm with an installation length of 540 cm, car width 200 cm. In case of special platform widths narrower than 250 cm respectively, the maximum vehicle width is reduced accordingly.
- For very large cars an installation length of 560 cm is recommended. This length offers larger safety distances for potential future developments or projects with short term parkers such as hotels or similar.
- In front of each grid a 10 cm wide, yellow-black marking according to ISO 3864 has to be provided by the purchaser (see "statics and construction requirements" on page 3).
- It is not possible to have channels or undercuts and/or concrete haunches along the floor-to-wall joints. In the event that channels or undercuts are necessary, the system width needs to be reduced or the installation width needs to be wider.
- The manufacturer reserves the right to modify or alter above specifications.

Evenness tolerances

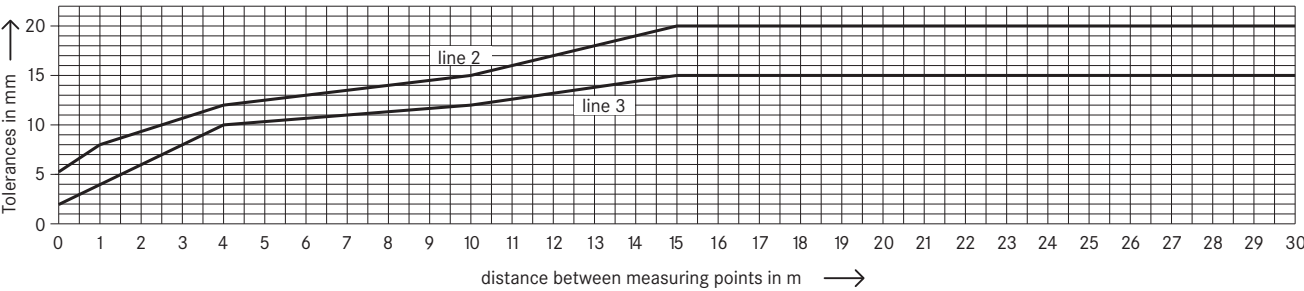
According to EN 14010 the danger of trapping between nonparallel platforms edges and the ground has to be prevented. The distance between the lower flange of the platforms and the garage ground must therefore not exceed 2 cm.

To adhere to the safety regulations and to get the necessary even ground, the tolerances of evenness to DIN 18202, table 3, line 3, must not be exceeded. Therefore exact levelling of the ground by the client is essential.

Abstract from DIN 18202, table 3

column	1	2	3	4	5	6
line	reference	Vertical measurements as limits in mm with measuring points distances in m to*				
		0,1	1	4	10	15
2	Unfinished to surface of covers, subconcrete and subsoils for higher demands, e.g. as foundation for cast plaster floor, industrial soils, paving tiles and slabstone paving, compound floor paving. Finished surfaces for minor purposes, e.g. warehouses, cellars	5	8	12	15	20
3	Finished grounds, e.g. floor pavement serving as foundation for coverings. Coverings, tile coverings, PVC flooring and glued coverings.	2	4	10	12	15

* Intermediate values are to be taken out the diagram and must be rounded-off to mm.



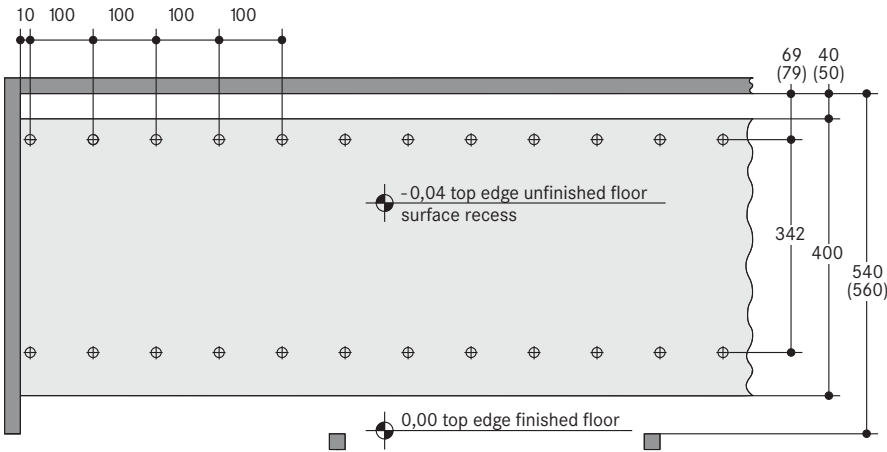
Check points

The evenness of a surface is checked independently of its position and slope by bore hole gauges between two check points on the surface. WÖHR normally make a random test using single measurements in case of obviously inaccurate surfaces.

For uniform examination of the evenness of the ground surface the following points are defined as measuring and check points:

- a) for surface recess
- b) for finished floor.

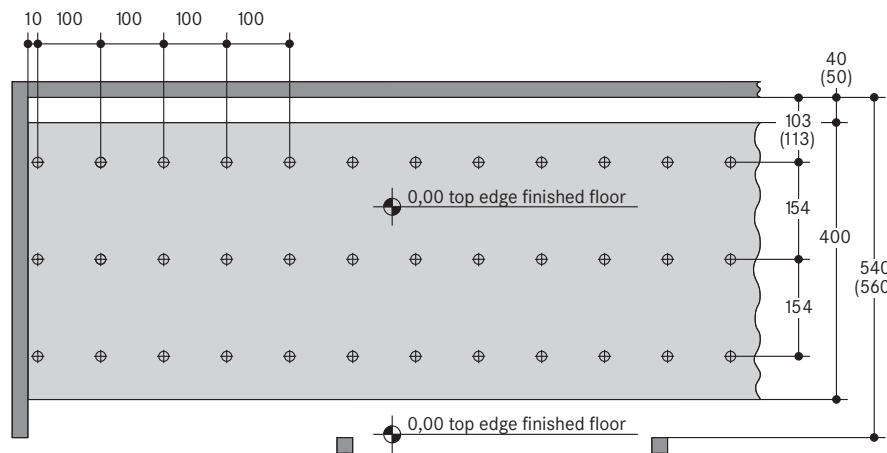
a) Layout for surface recess width 4m



⊕ Measuring points at 100 cm points for checking the unevenness acc. to DIN 18202, table 3, line 2, or acc. diagram

() dimensions in brackets for increased length

b) Layout for finished floor after placing floor pavement



⊕ Measuring points at 100 cm points for checking the unevenness acc. to DIN 18202, table 3, line 3, or acc. diagram

() dimensions in brackets for increased length

Track Installation · Flooring works · Drainage

The moving rail load of each platform wheel is max. 10 kN.

The evenness of the floor + screed must be achieved according to DIN 18202, table 3, line 2. After checking the floor + screed the levelling rails are mounted on top of the highest point.

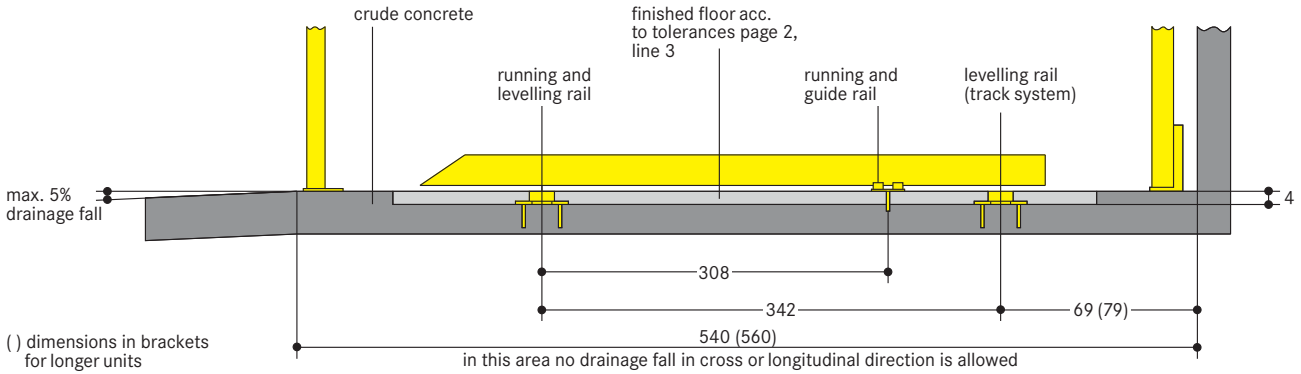
The underlining and fixing of the levelling rails occurs at the intended fixing points. For the laying of the running and levelling rails a meter tear is to be attached permanently for every railway track by the client.

The screed is to be peeled off by the client on height of the levelling rails. Do not use mastic asphalt.

The running and guide rails are fastened after placement of the screed with bolts. Evenness according to DIN 18202, table 3, line 3.

In the area of the railway track no expansion gap or building dividing gaps are allowed.

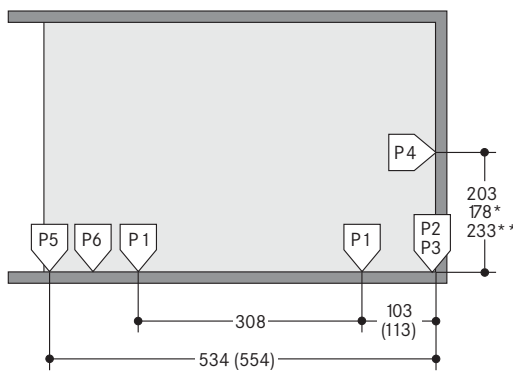
Due to the technical requirements there is no drainage fall allowed in the area of the system.



Width dimensions and statics

All dimensions shown are minimum. Constructional tolerances must be taken into consideration. All dimensions in cm.

Section



() dimensions in brackets for longer units

* dimensions for economic type

** dimensions for comfort type

P1 = +10,0 kN¹⁾

P2 = -12,0 kN

P3 = +41,0 kN

P4 = ± 5,0 kN

P5 = +12,0 kN

-10,0 kN

P6 = ± 3,0 kN

¹⁾ all static loadings include the weight of the car

Bearing loads are transmitted by wall plates with min. 30 cm² surface and to the floor by base plates with min. 350 cm² surface.

Wall and base plates will be fixed by heavy duty anchor bolts to a drilling depth of 10-12cm. When fixing to the waterproof concrete floors chemical anchors are employed (to be advised by Wöhr).

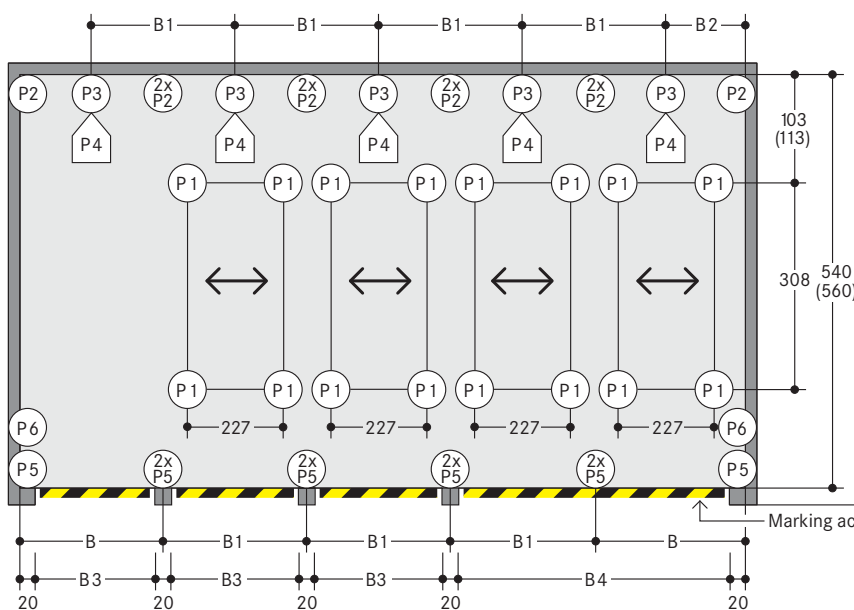
Base plate thickness min. 18 cm. Rear wall and base plate must be formed of concrete and must have a flat surface without protrusions.

Concrete quality according to the static requirements of the building, but for the dowel fastening we require a concrete quality of min. C20/25.

The specified lengths to the support points are mean values. Please contact Wöhr Agent for exact positions for any variations on the standard units.

Please contact Wöhr Agent for clarify the door widths/widths of columns. Grid width of 270/280/290 cm must be observed.

Ground plan



Space required					gives clear platform width
B	B1	B2	B3	B4	
280	270	145	250	520	250
290	280	150	260	540	260
300	290	155	270	560	270

Minimum driveway width according to local requirements

