



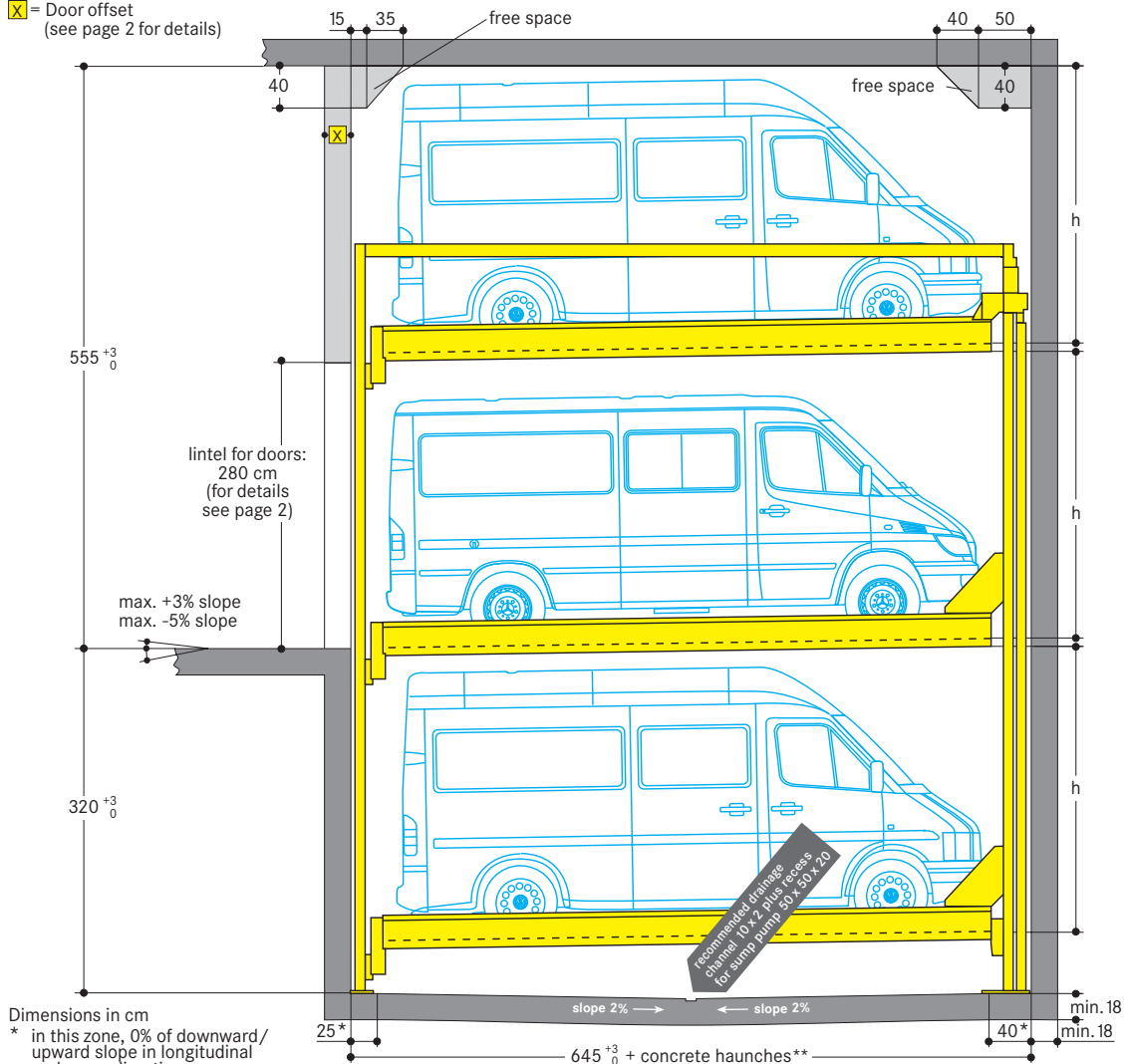
Data Sheet Wöhr Combilift 544-2,6

Suitable for transportation and vehicle industry.
For permanent use only!*

* In case of short time use 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)

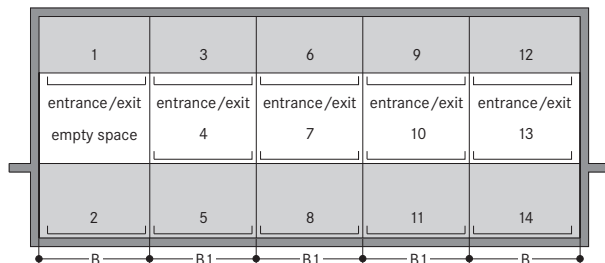
X = Door offset
(see page 2 for details)



	car height	distance
UL	cars up to 265 cm and max. 2600 kg	h = 270
EL*	cars up to 265 cm and max. 2600 kg	h = 270
LL*	cars up to 265 cm and max. 2600 kg	h = 270

UL = upper level
EL = entrance level
LL = lower level

Width dimensions



Space required		gives clear platform width
B	B1	
280	270	250
290	280	260
300	290	270

One entry/exit is required on entrance level for each grid.

Notes

- Pits must always be protected by a sliding door (even in underground garages).
- Arrangements start with 2 grids for 5 cars, 3 grids for 8 cars etc.
- Installation length of 645 cm for car length of a max. of 570 cm. Clear platform width of 250 cm for car widths of 190 cm.
- It is not possible to have channels or undercuts and/or concrete haunches along the pit's rear and front floor-to-wall joints. In the event that channels or undercuts are necessary, the pit length needs to be increased based on the dimensions of said channels or undercuts.
- The manufacturer reserves the right to construction or model modifications and/or alterations. Furthermore, the right to any subsequent part modification and/or variations and amendments in procedures and standards due to technical and engineering progresses in the art or due to environmental regulation changes, are also hereby reserved.

Combilift 544-2,6 | 05.2016 | C02Z-5220 | © Otto Wöhr GmbH



The solution for minibuses, small trucks, big SUVs and other heavy cars up to 2,6 to

Tore

According to EN 14010, the Combilift 544 must be closed with doors. The door controls are integrated in the overall system. That means:

- The doors are electro-mechanically interlocked
- The doors can only be opened when the selected parking place has reached the entry/exit position
- Any pits are closed in the entrance area

Door types:

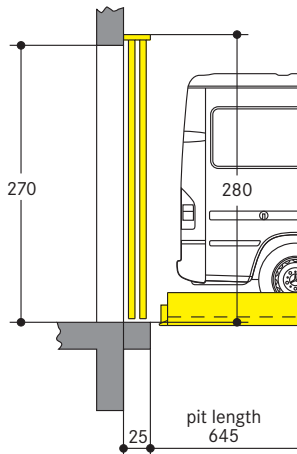
Only manually operated sliding doors

- for underground garages with galvanised barred metal panelling
- above ground with powder coated metal sheets (RAL 7030)

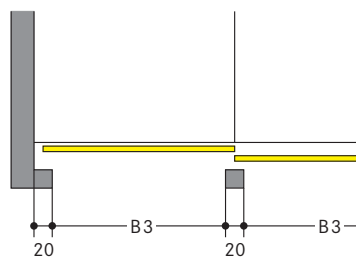
Installation:

Behind the building pillars with door offset

Section

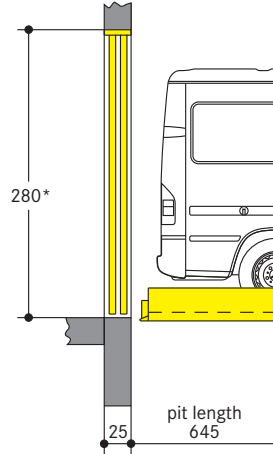


Ground plan

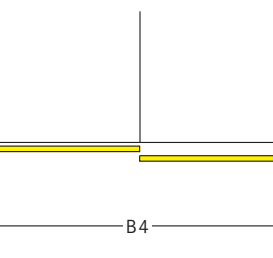


Installation:

Below the lintel between the building pillars

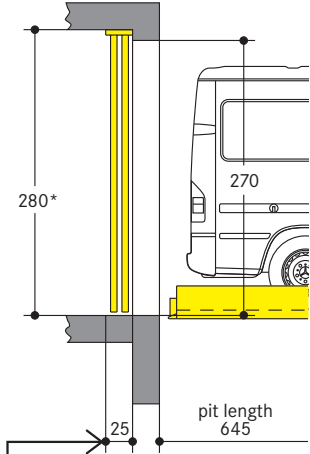


Ground plan

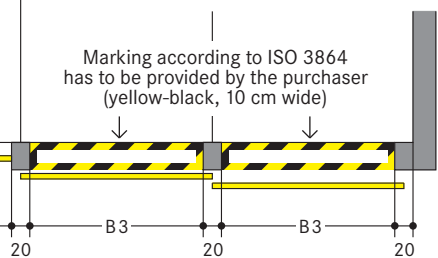


Installation:

In front of the building pillars



Ground plan



Space required		Gives clear platform width
B3	B4	
250	520	250
260	540	260
270	560	270

* The lintel of 280 cm is absolutely necessary. If differing heights additional fixings are required at additional charge. If no lintel is provided, the gates need to be fitted onto a steel frame (subject to surcharges).

Sliding door floor guides in underground garages

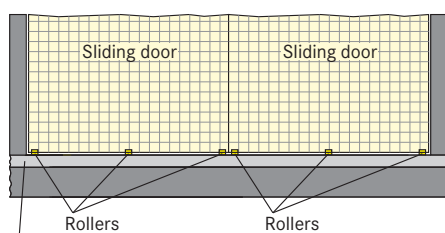
The evenness or flatness of the floor in the bottom floor guide section is required to comply with the DIN 18202, Table 3, line 3, standard requirements.

The bottom floor guides are constituted by plastic rollers, locked down onto floor mounted base plates.

Dowel borehole depth to be approx. 9 cm.

Note: In the event that floor filling needs to be laid into the door section to the purpose of reaching the required floor evenness, the borehole depth needs to be increased by the thickness of the floor fill (for a max of 4 cm).

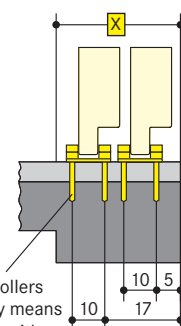
Front view



Finished floor level compliant to DIN 18353, floor evenness compliant to DIN 18202 table 3, line 3.

Locking down of the rollers onto the base plate by means of an adhesive anchor with an M8 internal screw thread.

Section



Sliding door floor guides in above ground garages

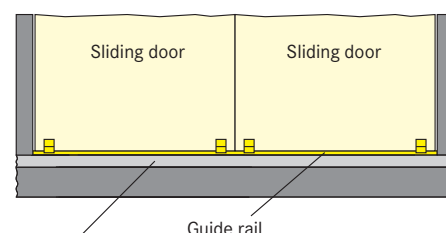
The evenness or flatness of the floor in the bottom floor guide section is required to comply with the DIN 18202, Table 3, line 3, standard requirements.

The bottom floor guides are constituted by guide rails, locked down onto the floor.

Dowel borehole depth to be approx. 8 cm.

Note: In the event that floor filling needs to be laid into the door section to the purpose of reaching the required floor evenness, the borehole depth needs to be increased by the thickness of the floor fill (for a max of 4 cm).

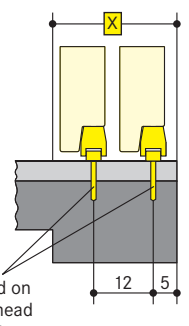
Front view



Finished floor level compliant to DIN 18353, floor evenness compliant to DIN 18202 table 3, line 3.

Guide rails to be fixed on using S 10 hexagon head wood bolts and plastic expansion dowels.

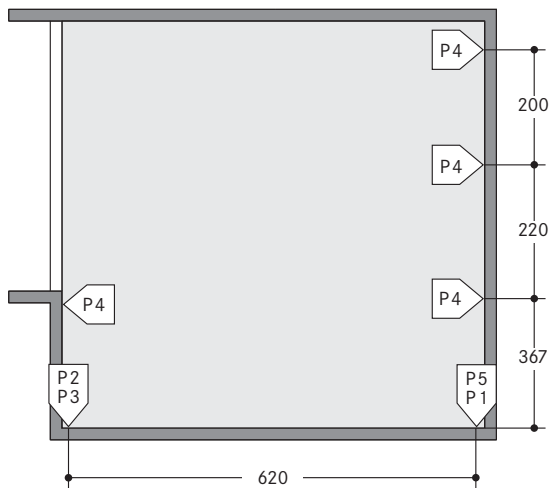
Section



Width dimensions and statics

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

Section



P1 = +85,0 kN¹⁾
 P2 = +70,0 kN
 P3 = +35,0 kN
 P4 = ± 5,0 kN
 P5 = +45,0 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).

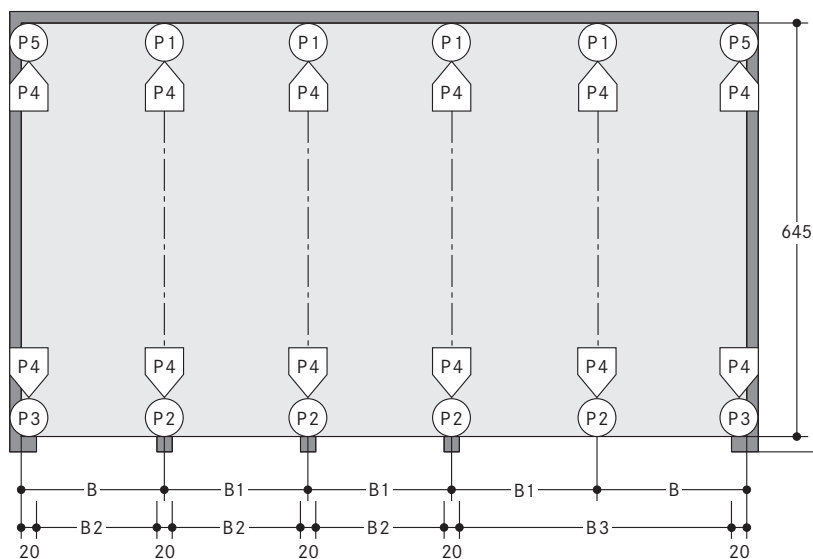
Base plate thickness min. 18 cm. Rear wall and base plate must be formed of concrete and must have a flat surface without protrusions.

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



↑
 The driving aisle width to be compliant with country regulations locally in force.

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

Notice:

If the width of the pillars is more than 20 cm, than the width of the drive through will be reduced accordingly to the above mentioned width dimensions. In order to avoid this we recommend to extend the measures between the pillars (B2 and B3) accordingly. Please contact WÖHR.

