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PRODUCT DATA

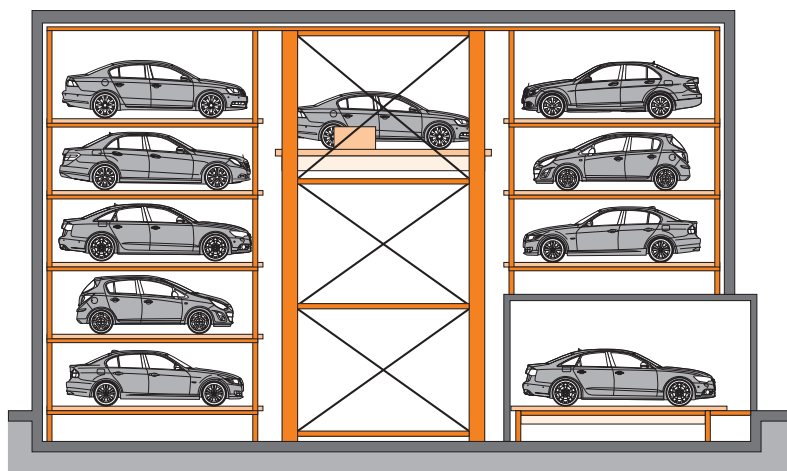


mastervarioR3L

Shelf system

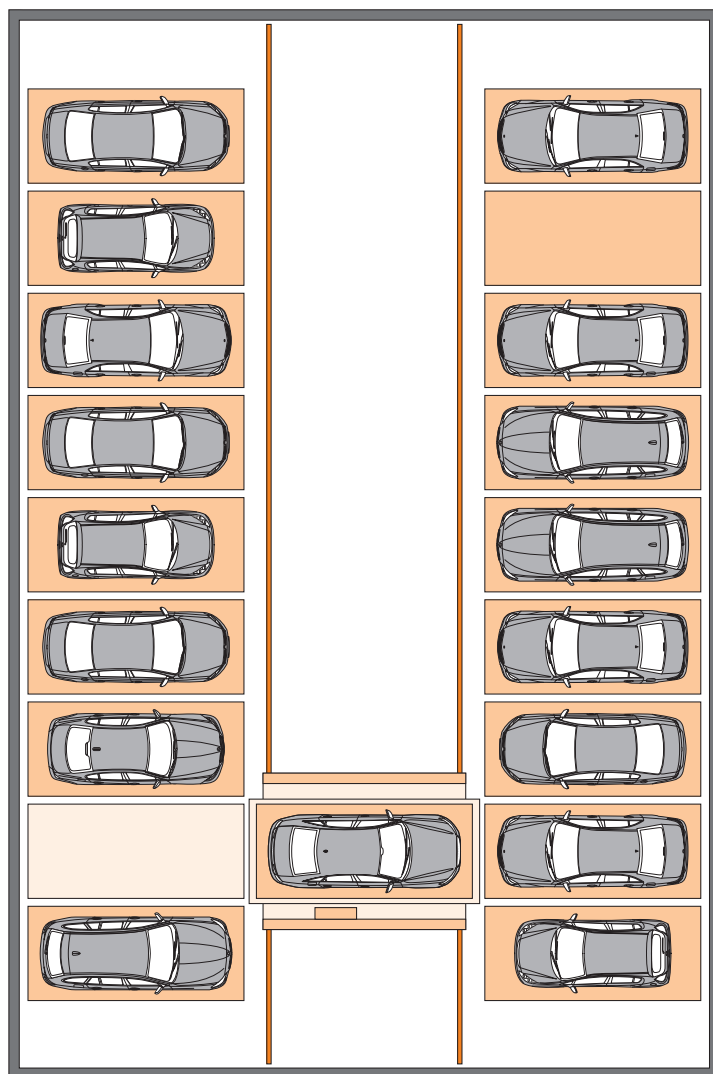
The automatic shelf system is similar to the high-rack storage area.

The shelf system can be designed as above-ground or underground system or as a combination of both variants.



- Storage and retrieval unit with horizontal and vertical conveying unit
- Optional turning unit
- Up to 10 parking levels
- Vehicle height variable
- Different level heights possible
- Floor loads per parking space: 2500 kg
- Higher loads per parking space possible upon request

Please note the separate technical information.

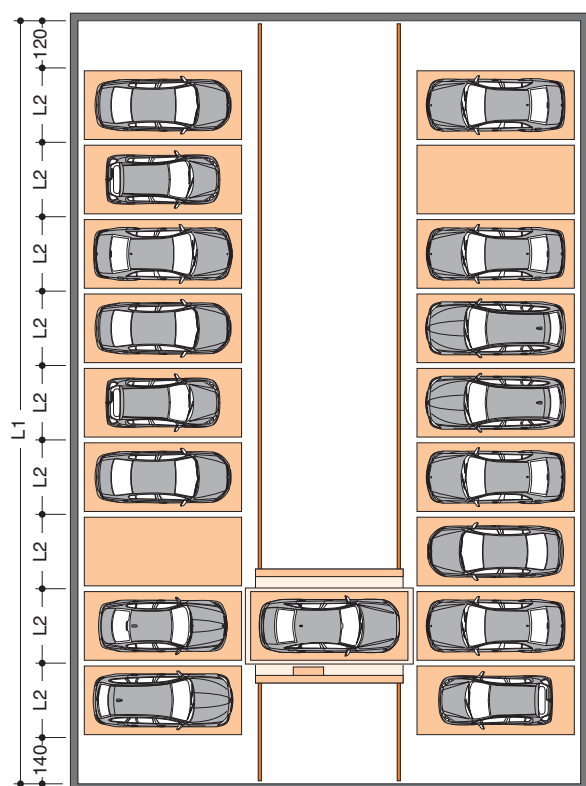
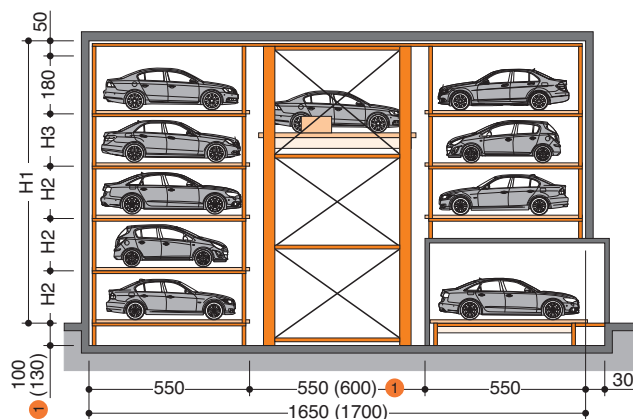


Tower design

- For 2–10 levels
- Transfer cabin can be arranged variably
- Different parking level heights for variable vehicle heights

- Multi-row arrangement possible
- Turning unit optional

Tower design



Electrical cabinet

Close to the transfer cabin room for an electrical cabinet is to be provided.

Minimum dimensions:

l: 240 cm, w: 200 cm, h: 230 cm.

Height dimensions

for vehicles up to 160 cm and 1 levels for vehicles up to 200 cm	
levels	H1
2	443
3	616
4	789
5	979
6	1152
7	1325
8	1498
9	1688
10	1861

car height	H2	H3
160	173	190
200	213	230

Length dimensions

parking spaces per level	platform width 230 cm	
	L1	L2
12	1790	255
14	2045	255
16	2300	255
18	2555	255
20	2810	255
22	3065	255
24	3320	255

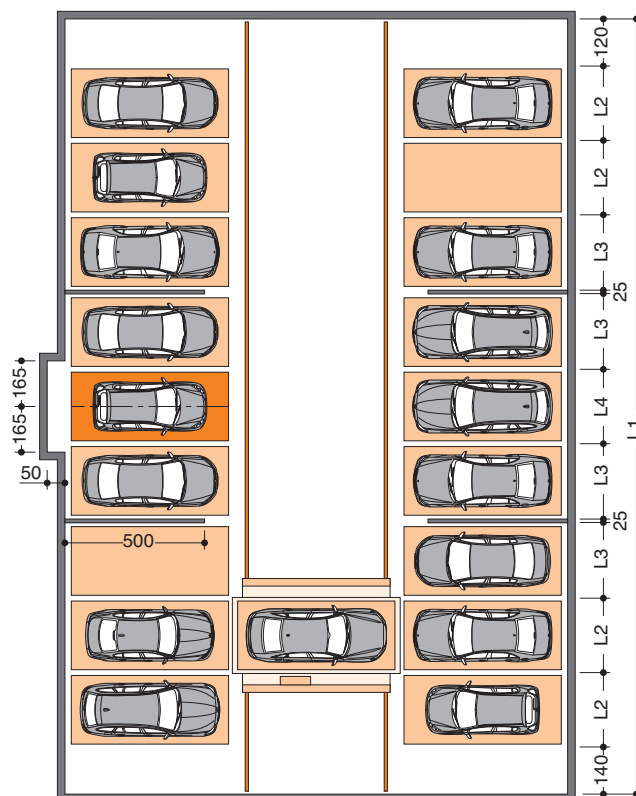
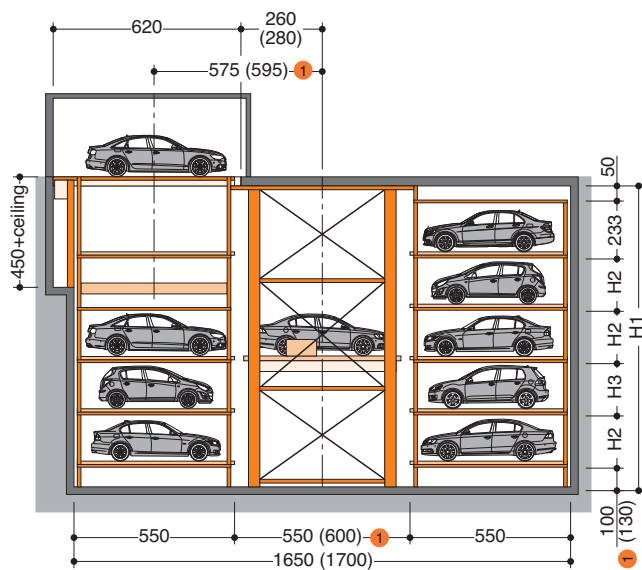
! Depending on the location of the transfer cabin, the number of parking spaces may vary.

① Dimensions in brackets for SRU (storage and retrieval unit) with turning unit.

Shaft design

- For 2–10 levels
- Transfer cabin can be arranged variably
- Different parking level heights for variable vehicle heights

Shaft design



Electrical cabinet

Close to the transfer cabin room for an electrical cabinet is to be provided.
Minimum dimensions:
l: 240 cm, w: 200 cm, h: 230 cm.

Height dimensions

for vehicles up to 160 cm and 1 levels for vehicles up to 200 cm	
levels	H1
2	543
3	716
4	889
5	1079
6	1252
7	1425
8	1598
9	1788
10	1961

car height	H2	H3
160	173	190
200	213	230

Length dimensions

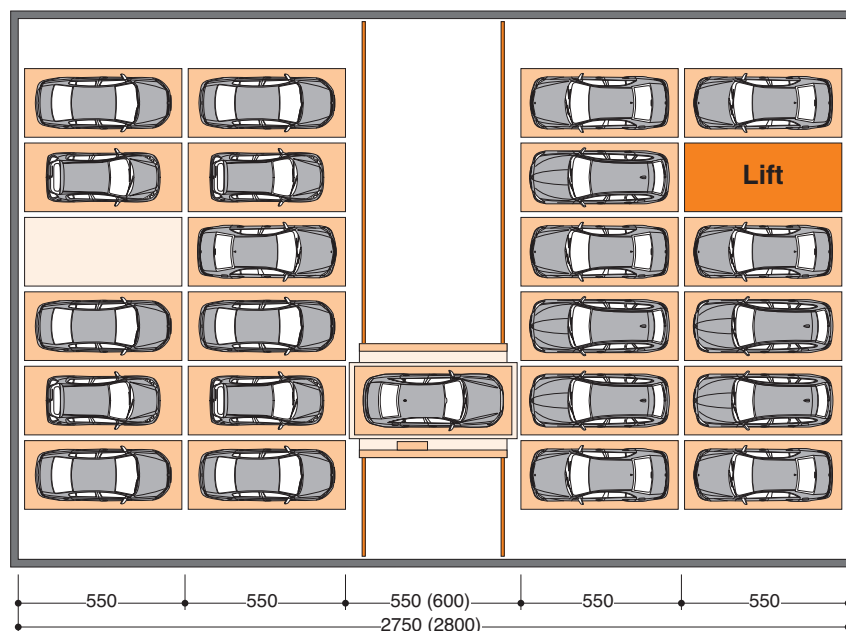
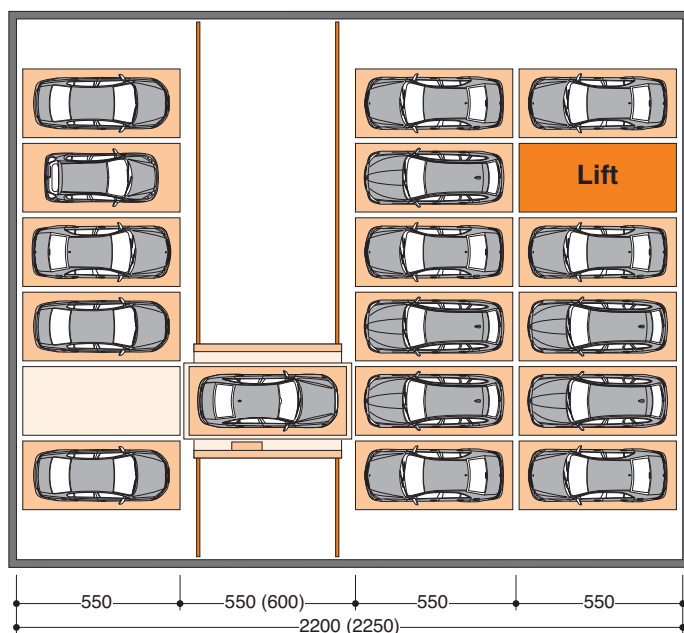
parking spaces per level	platform width 230 cm			
	L1	L2	L3	L4
12	1880	255	265	300
14	2180	255	265	300
16	2435	255	265	300
18	2690	255	265	300
20	2990	255	265	300
22	3245	255	265	300
24	3500	255	265	300

! Depending on the location of the transfer cabin, the number of parking spaces may vary.

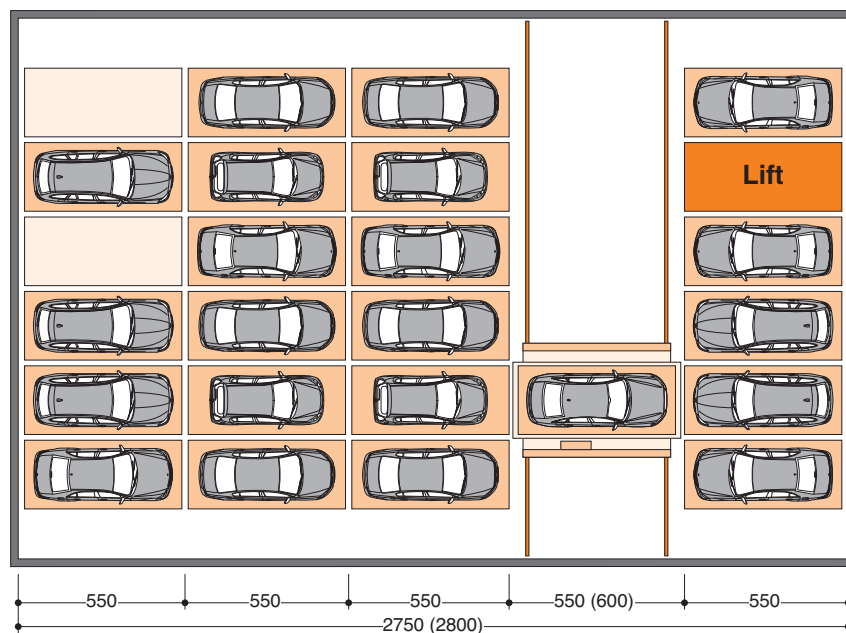
1 Dimensions in brackets for SRU (storage and retrieval unit) with turning unit.

Multi-row arrangement

With the multi-row arrangement, premises can be utilized optimally, and, with the shaft version, money can be saved as far as underground construction costs are concerned.



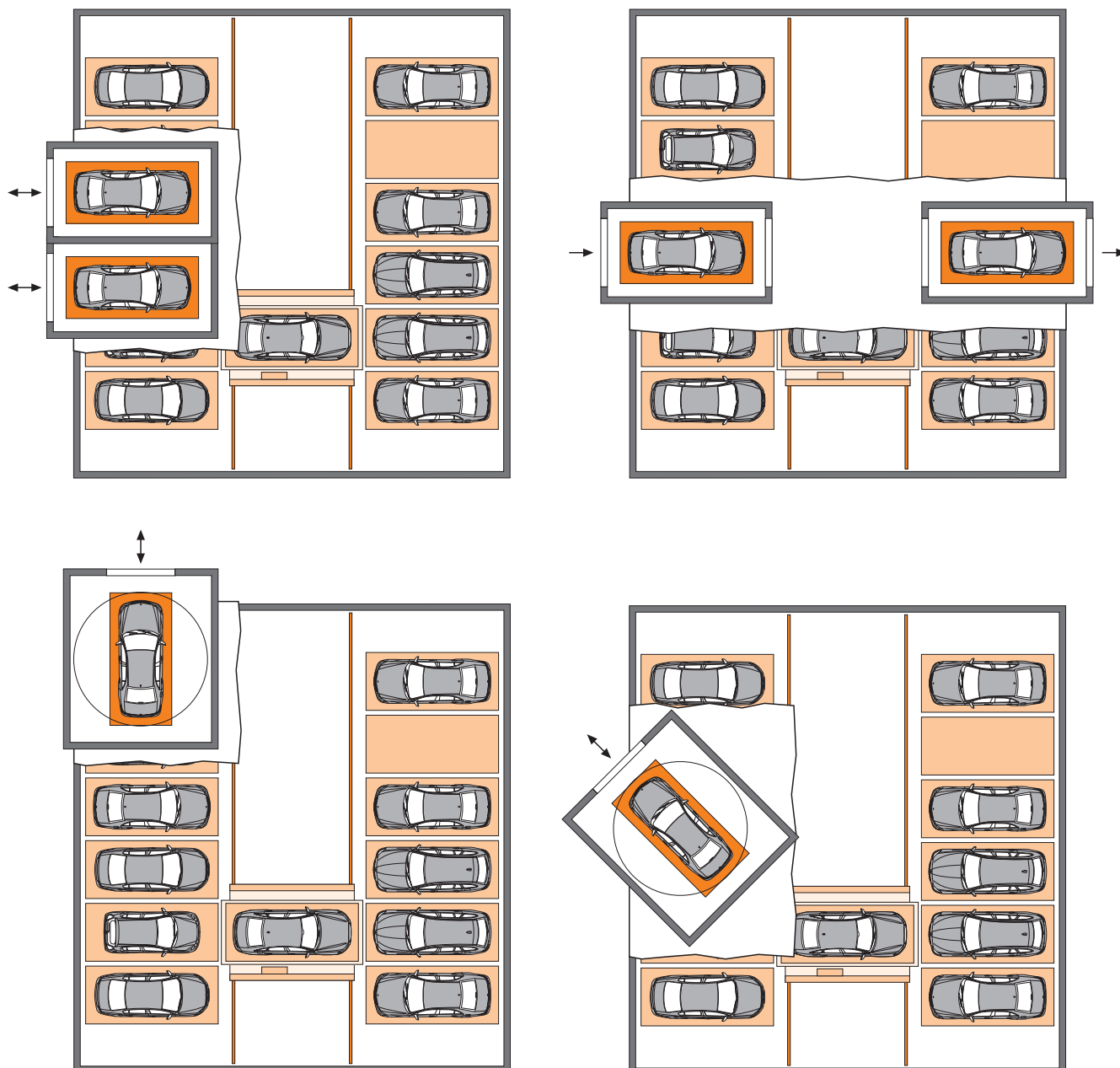
In case of double storage per level at least 1 empty space is required for moving purposes for storing the pallets.



In case of triple storage per level at least 2 empty spaces are required for moving purposes for storing the pallets.

Optional versions of the transfer cabin

The transfer cabin can be arranged flexibly. For optimal access times, the location in the middle of the system is the best solution. The number of transfer cabins can be adjusted depending on the requirements and the type of use.



We reserve the right to change this specification without further notice

KLAUS Multiparking reserves the right in the course of technical progress to use newer or other technologies, systems, processes, procedures or standards in the fulfillment of their obligations other than those originally offered provided the customer derives no disadvantage from their so doing.