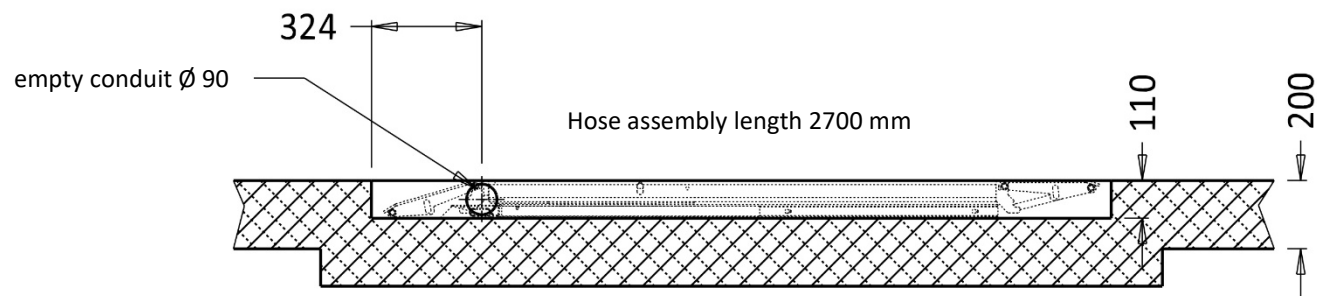


Protective bars removed  
Handles on ramps cut off



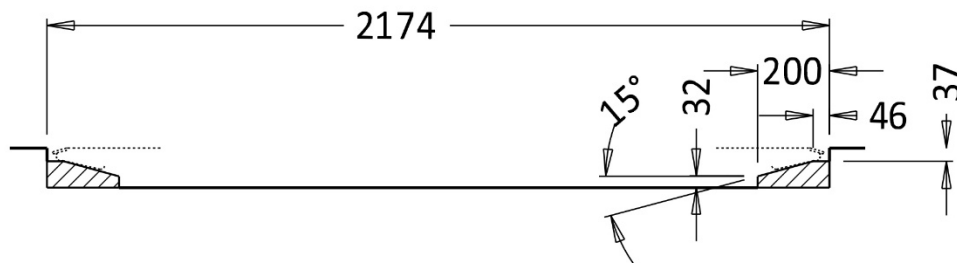
Misprints, errors and changes excepted. Version: 07.11.2025

Foundation plan  
Scissor lift TWS35-20E / TWS35-20E-G  
Recessed installation

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Optional supports for the ramps  
in the lowered position



#### Requirements for the concrete:

- Concrete C20/25 according to DIN 1045-2 (previous designation: DIN 1045 concrete B25).
- The floor must be level and have a flatness of  $\leq 5$  mm/m.
- Newly poured concrete must cure for at least 28 days.

#### Foundation dimensions:

- Ideally, the entire hall floor should be made of C20/25 concrete with a thickness of at least 200 mm.
- In all lifting positions, there must be a distance of at least 0.8 metres between the lifting platform and the fixed elements (e.g. the wall).

#### Other requirements:

- The surrounding ground must be suitable for the load, e.g. no sandy soil, etc.
- Reinforcement in the concrete is not mandatory for the proper use of the scissor lift, but is recommended.
- The scissor lift must **NOT** be set up on ceilings or floors with basements without authorisation. If in doubt, the foundation should always be designed by a structural engineer; this is essential for ceilings or floors with basements.
- If using tiles, screed, insulation and underfloor heating, please consult our technical department.
- If the foundation for the recessed installation is to be created retrospectively, connection reinforcements must be provided.

#### The following must be observed for soil exposed to frost:

In the case of frost exposure, the concrete must correspond to exposure class XF4, as dripping de-icing agent cannot be ruled out.

This results in the following minimum requirements for concrete under frost stress:

Exposure class:	XF4
Maximum w/c:	0,45
Minimum compressive strength:	C30/37 (instead of C20/25)
Minimum cement content:	340 kg/m <sup>3</sup>
Minimum air void content:	4.0 %
Total foundation depth:	$\geq 80$ cm (due to frost resistance)
Remainder filled with gravel:	0/32

However, it must be noted that the lifts are not designed for outdoor use (except for galvanised models). Although the control box complies with IP54, the rest of the electrics, motors and limit switches have a maximum IP44 rating.

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