

4-Post-Lifts

Requirements for the concrete floor:

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

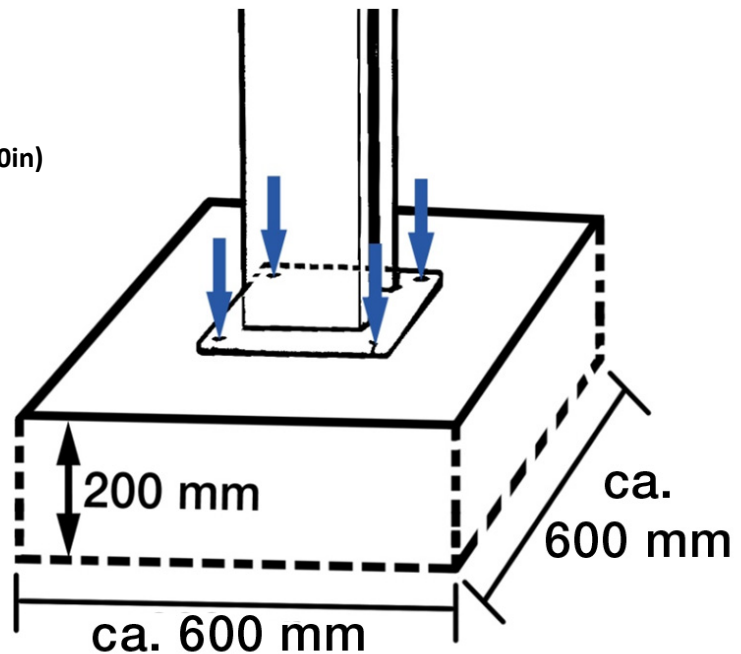
Foundation dimensions:

- Ideally, it's better to cover the whole area in concrete C20/25, 150 mm thick.

Minimum Requirements:

For separate foundations

ca. 600 x ca. 600 x 200 mm (2ft x 2ft x 8,0in)



The base plate must be at least 320 mm larger in length and width than the post lift above the base plates.

Other requirements:

- The surrounding area must be suitable for the load, for example, no sand asphalt, etc.
- If in doubt, the foundation should always be checked by a structural engineer.

For soil exposed to frost, note the following:

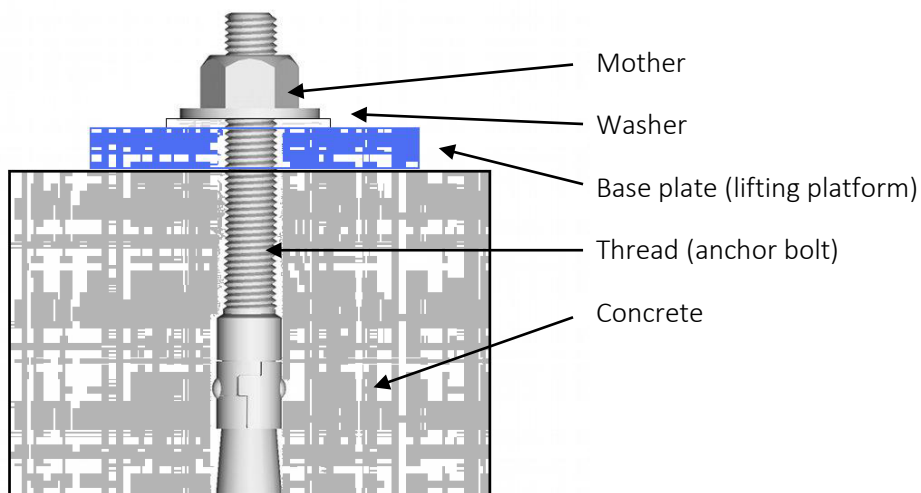
For frost exposure, the concrete must comply with exposure class XF4, as dripping de-icing agent cannot be ruled out.

This results in the following minimum requirements for the concrete when exposed to frost:

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

It must be noted, however, that the lifts are not designed for outdoor use (except for galvanised models). The control box is IP54, but the rest of the electrics, motors and limit switches are IP44 at most.

Anchor bolt fastening



Tightening torque of the anchor bolts is: 120 Nm