



Explanation of the installation of ETL (OH5) foundation in concrete.

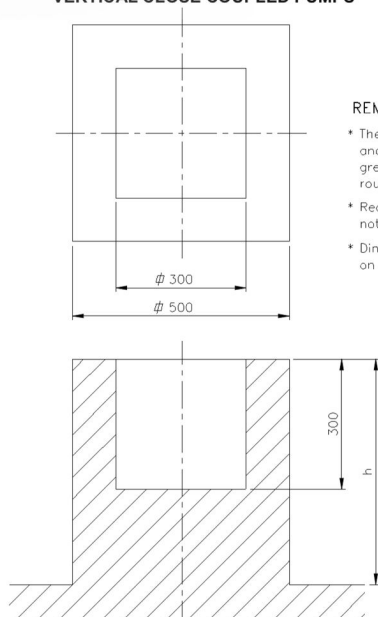
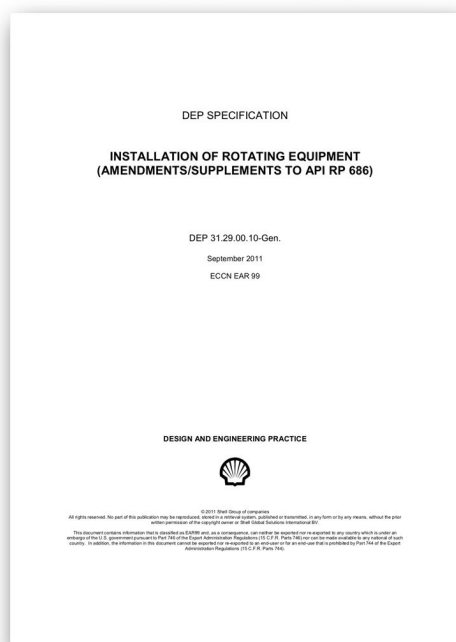
This document explains step by step the installation of a ETL (OH5) pump foundation in concrete. Following this procedure ensure proper and easy installation. For information on the position of the anchor bolts, please refer to the GA of the project. The type of anchor used as well as the depth of the pockets is the customer's responsibility. This is because selection is highly dependent on the site situation. However, Rodelta can take care of this on request.

Installation of ETL (OH5) foundation in concrete

Step 1

A pedestal for the ETL (OH5) pump can be poured in accordance with dimensions as specified in the DEP. Of course, you as a customer can also choose to apply other dimensions. However, the philosophy of pouring and steps remains the same.

APPENDIX 1A STANDARD FOUNDATION DIMENSIONS FOR THE INSTALLATION OF VERTICAL CLOSE COUPLED PUMPS



REMARKS:

- * The concrete has to be sufficiently cured and shall be free of any dust, oil or grease. The upper layer shall be roughened/chipped.
- * Required reinforcement of foundation is not shown in this schematic drawing.
- * Dimensions in mm; dimension h depends on actual situation at site.



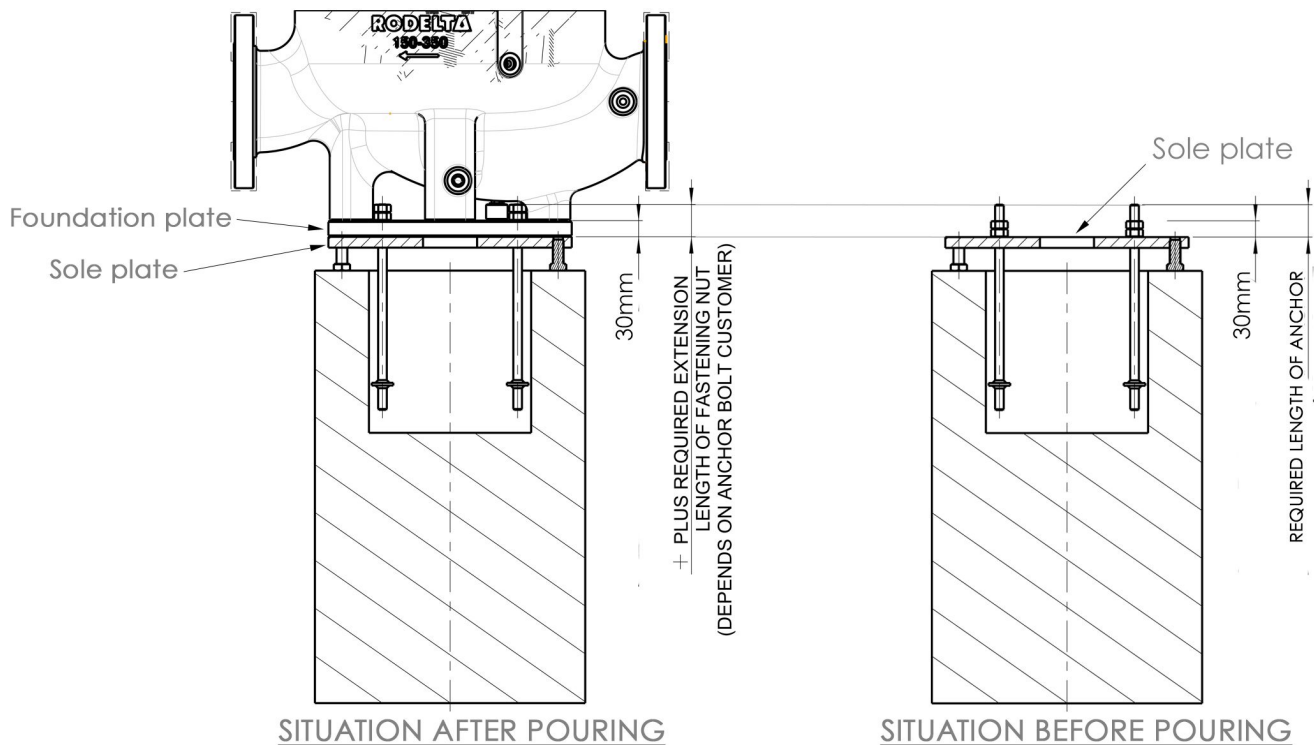
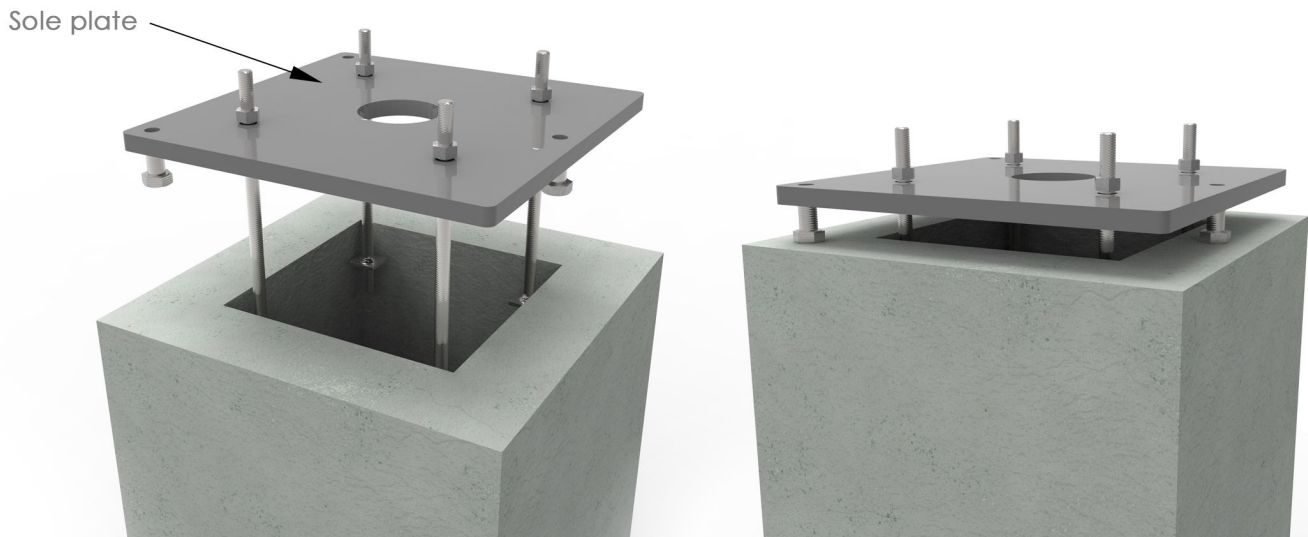
Pedestal for ETL acc DEP



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Step 2

The anchors for securing the pump are hanging loosely in the holes of the sole plate. It is absolutely forbidden to tighten them with a nut from the bottom site of the sole plate. (strictly forbidden) This would break the transfer of the forces from the anchor to the concrete. The upper nut / nuts (see picture) from which the anchor hangs in the hole of the sole plate must have the right extension length. This extension length must be the thickness of the foundation plate and the required length of the fastening devices. (Depending on customer anchor choice) Anchor and nuts are not in scope Rodelta but can be supplied as an optional extra. Also avoid extending the anchors too far so they come into contact with the pump housing.

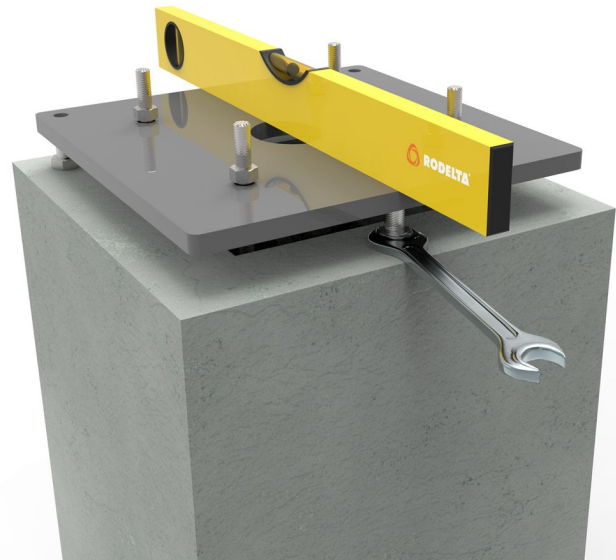
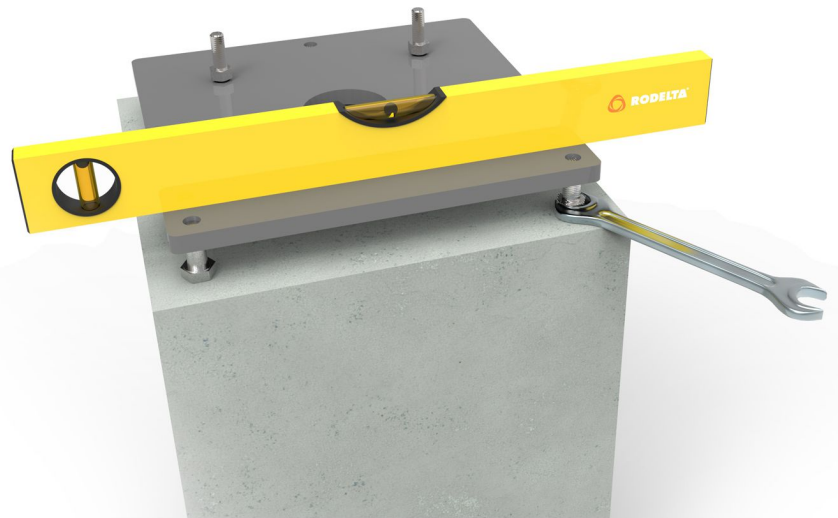




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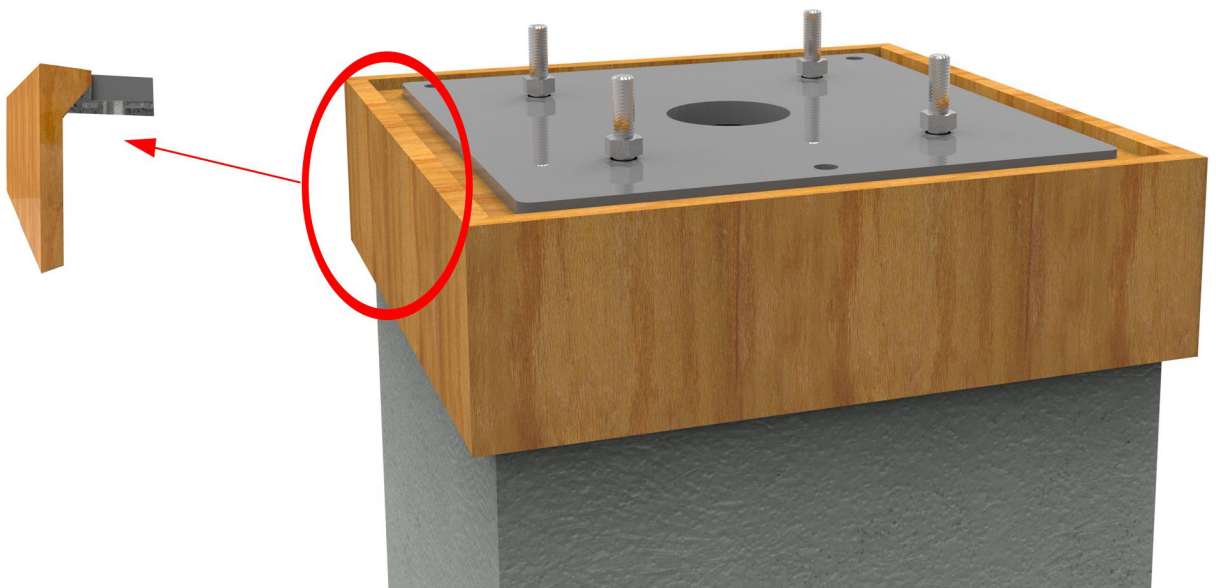
Step 3

Set the sole plate to the correct height by turning the 3 bolts at the bottom of the sole plate. If the correct height is set, level the sole plate using a plumb rule in horizontal direction.



Step 4

Place formwork for concreting. A possible chamfer in the formwork can prevent concrete from crumbling. (Tip)

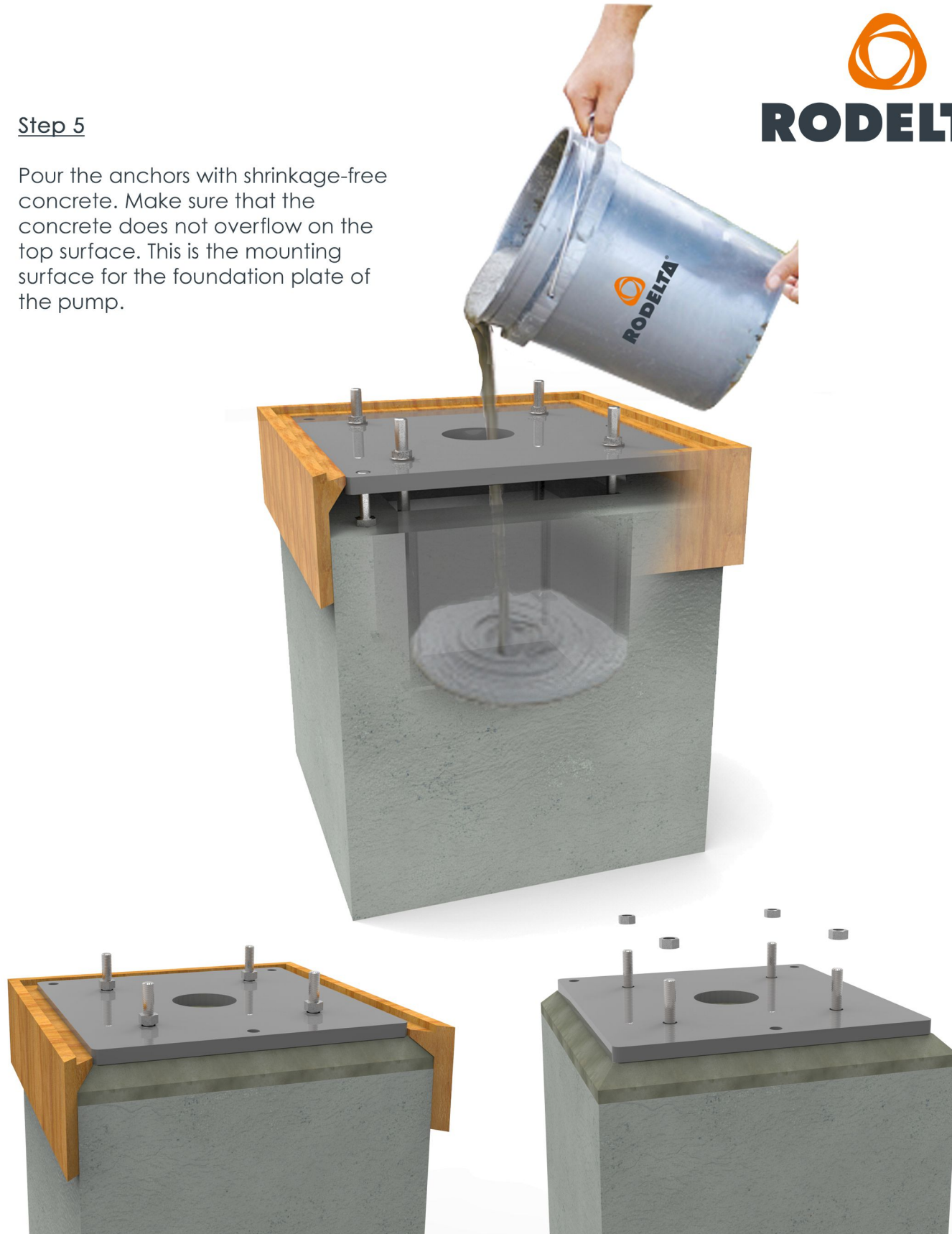




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Step 5

Pour the anchors with shrinkage-free concrete. Make sure that the concrete does not overflow on the top surface. This is the mounting surface for the foundation plate of the pump.



Step 6

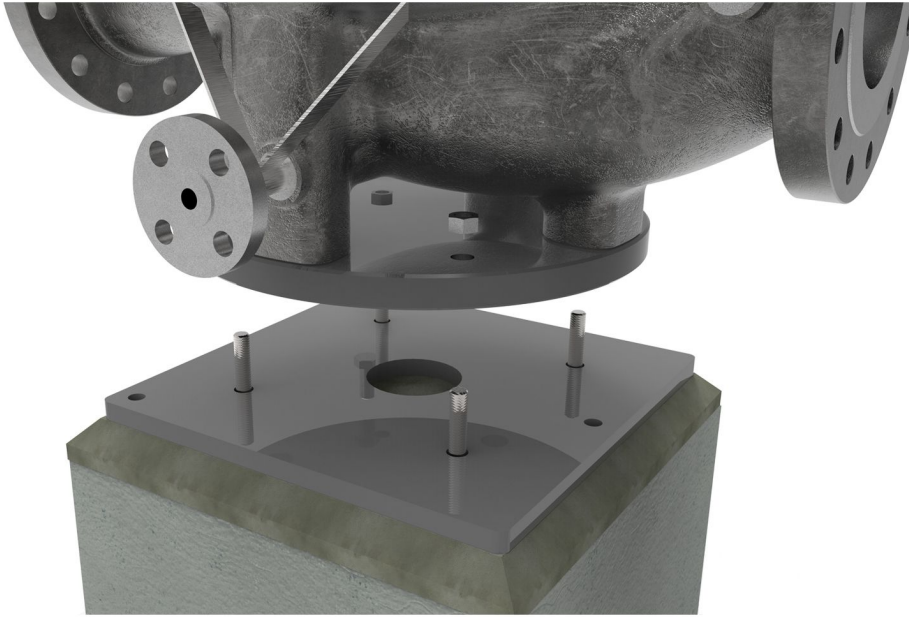
After the hardening of the shrinkage-free concrete, the mould can be removed

Step 7

Unscrew the nuts from the anchors. And clean the top of the sole plate.

Step 8

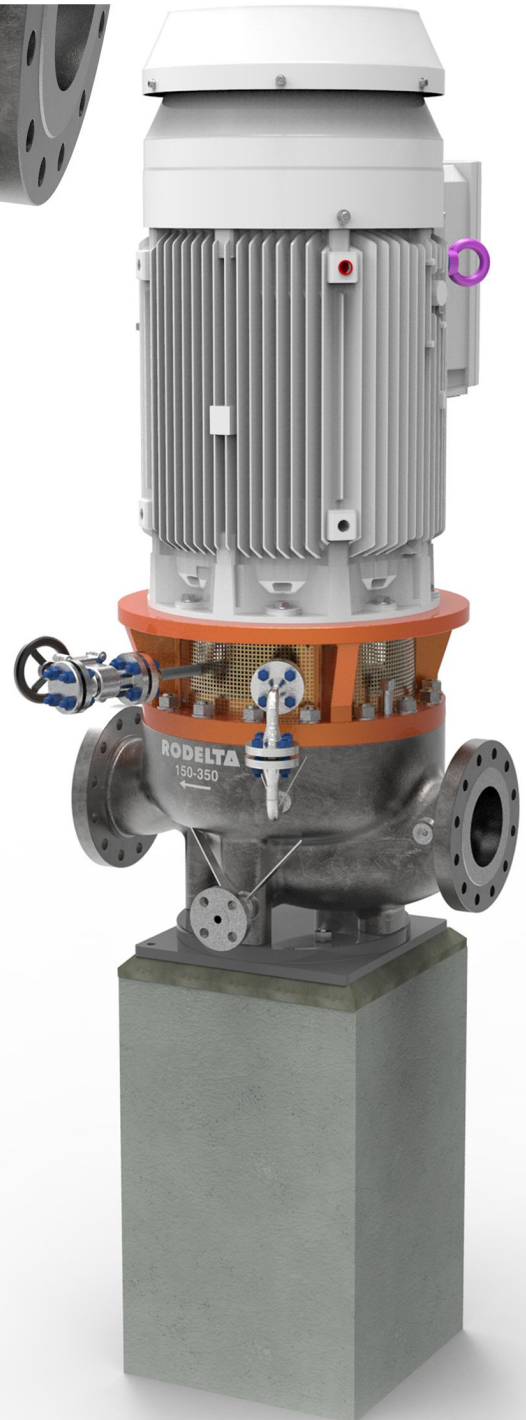
Place the pump on the sole plate.
According the lifting instructions in
the Rodelta ETL manual.
And tighten the bolts.



Lead-time reduction.

Use a Mounting template OH5 ETL. (Option)

A great advantage of the pump type ETL OH5.
Is the option of an installation template that
allows the start of the installation work of the
pump at an early stage. By pouring the sole
plate and welding the pipework on site before
the actual pump is installed, the overall lead
time can be significantly reduced. Ask for
more info or look at our website at ETL (OH5)
API 610 (Template)



Step 9

The pump piping and power cables can
be installed. The ETL pump unit does not
need to be aligned after assembly. This
alignment is in the pump design and has
already been checked at Rodelta.