

Main Features of Anchor Profi

Convenient GUI input

- Base plate geometry
- Anchor layout
- Cross-vendor anchor selection

Multiple functionalities

- with elastic and rigid base plate
- for anchors and headed studs
- with design based on EU and USA standards

Ease of use

- fast base plate design
- independent cross-vendor anchor comparison
- detailed design reports

The screenshot displays the Dr. Li Anchor Profi 3.1.0 software interface. The central 3D model shows a concrete slab with a circular base plate and six anchors. Dimensions include a slab width of 255 mm, a base plate diameter of 150 mm, and an anchor spacing of 150 mm. The interface is divided into several panels:

- Base material:** Includes dropdowns for concrete type (Cracked concrete), reinforcement (No edge reinforcement), and installation conditions (Hammer drilled). It also features input fields for strength $f_{k,cube}$ (25 N/mm²) and temperature.
- Installation:** Includes a dropdown for 'No stand-off installation' and input fields for distance (0,0 mm) and rotational restraint (1,0).
- Anchor tension force calculation:** Includes radio buttons for 'Rigid base plate' and 'Elastic base plate'.
- Design based on:** Includes radio buttons for 'ETAG, CEN/TS' and 'ACI 318'.
- Action load and geometry:** Includes options for 'Design loads' and 'Characteristic loads', and input fields for concrete edge, base plate, and anchor group.
- Profile:** Includes options for 'Europa' and 'USA' and a 'Profile data' input field.
- Shape: Pipe:** Includes input fields for height (H: 240,0), width (W: 240,0), thickness (T: 8,0), and rotational angle (0,0°).
- Selected anchors and results:** Includes a table of selected anchors and their companies, and a list of results such as Tension (71.7%), Shear (42.7%), and Interaction (88.6%).
- Anchor selection:** Includes a list of manufacturers and anchor materials, and a diagram of an anchor type.

At the bottom of the interface, there are checkboxes for 'Base material geometry', 'Anchor layout', 'Position of anchor group', 'Loads', 'Base plate geometry', 'Anchor number', and 'Position of profile'.

10 good reasons for *Anchor Profi*

1. Independent

Anchor Profi is an independent anchor design software. The software currently has a database of anchors from 18 major European and American manufacturers. This makes it possible to design, compare and select heavy duty anchors from all major manufacturers around the world to meet certain anchorage conditions.

2. Save time

Using Anchor Profi, you only need to install and manage a single anchor design software. This will save you unnecessary administration costs and repeated integration of proprietary software programs that may have very different user interfaces.

3. Ease of use

The self-explanatory user interface can be easily mastered without any prior user experience. Anchoring design data are clearly displayed on the user interface to avoid lengthy search of the desired functions.

4. Advanced base plate design

A module for fastenings with elastic base plates is integrated in the software. The anchor tension forces produced by Anchor Profi software are much more closer to reality than any other similar design software, so that the possible vulnerability in the anchorage design from the rigid base plate assumption without checking its stiffness can be avoided.

5. Highly flexible

Using Anchor Profi, an arbitrary layout of anchors and slotted holes can be flexibly combined with any base plate geometry. This makes it possible for you to achieve far, far more complex designs other than just some general standard ones.

6. Professional tools

The anchoring structure can be defined interactively by convenient 3D model preparation. For designing anchor base plate and anchor layout, professional tools with 2D editing are available.

7. Advantages through perfect details

The anchor-bearing capacity in all failure modes is individually checked for each anchor. This allows the precise identification of the critical anchor in the designed anchorage.

8. Design report that satisfies your needs

Anchor Profi offers four forms of design reports for you to choose from. A cross-vendor anchor comparison list as well as a summary, extended or detailed report may be printed depending on the planning stages.

9. Simple feasibility check

In addition to the anchoring structure, the anchor shear forces and related participation surface at pry-out failure are graphically displayed in the design. This gives you a quick overview of the design results.

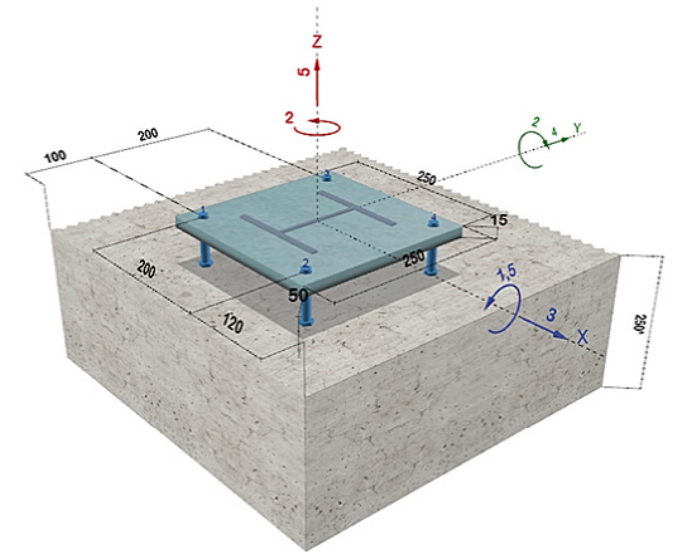
10. Try before you buy

You can try Anchor Profi with our free demo version and buy it only if you are satisfied with it.

Anchor Profi  **Dr. Li**

Independent and Powerful
Anchorage Design Software

Anchor Profi is probably the best tool available to you to meet your future requirements in anchorage design, anchor comparison and selection from all major anchor manufacturers around the world.



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