



PROBAR 2D

REBAR FUNCTIONALITY AND AUTOMATIC
SCHEDULING IN AUTOCAD
DETAILING | D02

Summary

Probar 2D is an add-in for **Autodesk® AutoCAD®** that turns it into a fully featured reinforced concrete detailing system. **Probar 2D** offers similar functionality to **PROKON® Padds**, only in the **AutoCAD** environment.

What makes this module special?

- Detail rebar in **AutoCAD**
- Automatic scheduling
- Input wizards

Detailed Description

Probar 2D allows you to detail reinforcement directly in **AutoCAD**. Drawings that were created in **Padds** can also be opened in **Probar 2D** to work with bending schedules generated by the **PROKON** concrete design modules.

Reinforcement shape codes specified in the SA and UK detailing codes are included by default, and an easy-to-use rebar editor can be used to create custom shapes. Use multiple rebar types - single bars, bar groups, ABR (alternate reversed bars), staggered bars, stepped bars, and fanned bars - to add reinforcement to drawings.

Probar 2D Wizards and Workflow

Probar 2D offers wizards to assist in detailing common structural parts that require repetitive actions. The wizards can read dimension- and rebar information from **PROKON** design module files and load the reinforcement into **AutoCAD**. The wizards include:

- Pad Footing wizard
- Rectangular & Circular column wizard
- Continuous Beam wizard
- Sumo wizard

The wizards that don't directly link with existing **PROKON** modules add reinforcement with reference to existing geometry in the drawing. These include Corner, Opening, Splice, and Area Zone Wizards.





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Rebar Properties Palette

Probar 2D uses the **AutoCAD** Properties palette for rebar objects for easy editing of rebar properties such as diameter, shape code, and Bar dimensions. Like other objects, rebar objects can be filtered out of a multiple object selection by selecting type "Rebar".

Schedule Palette

The Scheduler's reads all the rebar objects in the drawing, helps sort the information, and outputs the information in tables on the **AutoCAD** drawing. Sorting happens by Member Name and then by Bar Mark. Bars with the same mark and the same dimensions will automatically be added together. Errors in the schedule – e.g., two bars with the same bar mark, and different bar dimensions – are automatically highlighted.

Detailing Codes

Detailing Codes

- SANS 282 2004
- SANS 282 2011
- BS 8666 2005