# Probar 2D for Autodesk

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

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| 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.

# 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 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

* SANS 282 2004
* SANS 282 2011
* BS 8666 2005

**Detailing Codes**