

News

# CADKON+ 2024 Service Pack 1

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[www.cadkon.eu](http://www.cadkon.eu)

[www.cadnet.cz](http://www.cadnet.cz) , [helpdesk.cadkon.eu](mailto:helpdesk.cadkon.eu) , [www.graitec.com](http://www.graitec.com)

## CADKON+ 2024 Service Pack 1 News

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CADKON+ 2024 Service Pack 1 contains improvements and fixes for CADKON+ ARCHITECTURE, CADKON+ RC and CADKON+ BASIC version 2024.

It is intended for all commercial **CADKON+ 2024** installations (build **24.0.34**). These are installations downloaded before the 16th of October 2023, which is the date of the Service Pack 1. Installations downloaded after this date already contain the Service Pack 1 and it therefore does not need to be installed separately.

The exact build of the installed CADKON+ can be verified by command „\_CKABOUT“, directly in the CADKON+.

Common to all CADKON+ modules are better optimized PDF outputs, with PDFs created up to 5x smaller while maintaining the same resolution as well as snaps that are more accurate in large coordinates with rotated UCS, dynamic tables where you can use ALT+Enter to jump to the next row, and a number of small improvements to Quick Select functionality, layer management, and hatches.

CADKON+ Architecture will please the users with the new and very handy feature of text-to-object alignment, which allows you to quickly align text to objects such as curve, arc, spline, etc. The feature allows you to quickly set the necessary parameters and by dragging the mouse place the text exactly where you need it. Users using elevation marks can now set the base height using properties or by changing the elevation mark value. Another interesting new feature is the ability to change the appearance parameters of bubbles in bulk via the bubble manager.

CADKON+ RC introduces several improvements, including an improved helix type bar shape, the ability to close the helix with a full circle, and easier editing of pitch changes. The bar dimensioning has been improved to better reflect the direction of the section. Other new features include the ability to turn off the box around the cutting scheme table, new general editing and information features, and improved text placement to the object. The cutting plane symbol now preserves bar descriptions when stretching a reinforced bar. Elevation heights allow changing the base value and bulk updating of custom defined dimensions. Migrated elevation mark templates are also now available. These changes and new features increase the efficiency of working with CADKON+ RC.

### Contents:

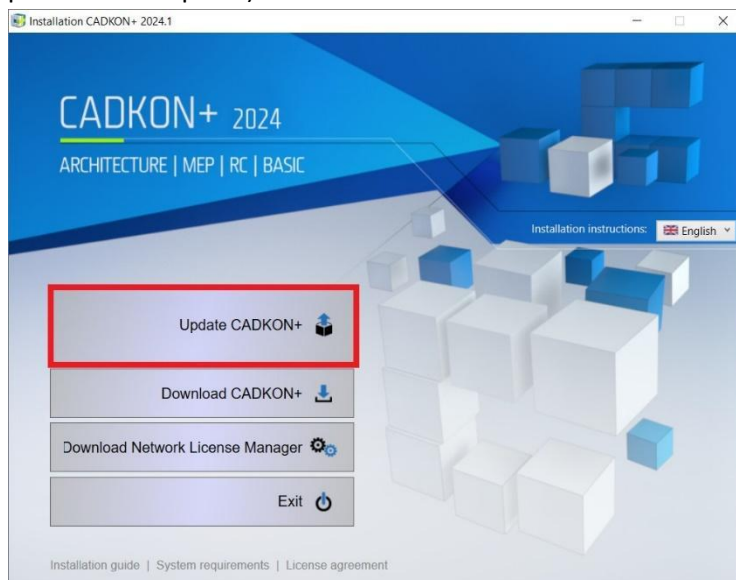
General information about service pack installation .....	4
Installation on a computer with already installed CADKON+ 2024 .....	4
Installation on a computer without CADKON+ 2024 .....	5
News for CADKON+ ARCHITECTURE, CADKON+ RC a CADKON+ BASIC .....	7
News for CADKON+ ARCHITECTURE .....	10
News for CADKON+ RC .....	16
Solved problems common for CADKON+ ARCHITECTURE, CADKON+ RC and CADKON+ BASIC .....	27
Solved problems for CADKON+ ARCHITECTURE .....	29
Solved problems for CADKON+ RC .....	31
Technical support .....	33

## General information about service pack installation

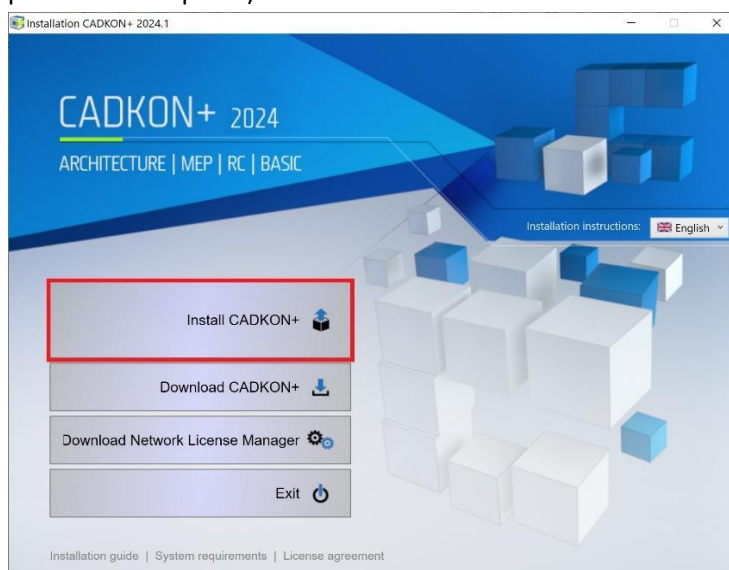
CADKON+ service packs are always part of a CADKON+ online installation. Regardless of the CADKON+ 2024 version you have installed, online update of the program will update all required files to their newest versions.

The service pack installation is carried out using an updated CADKON+ 2024 exe file (*SetupCadkonPlus\_2024.exe*). After running the exe file, installation program will automatically identifies whether CADKON+ 2024 is or is not installed and will offer one of the following options:

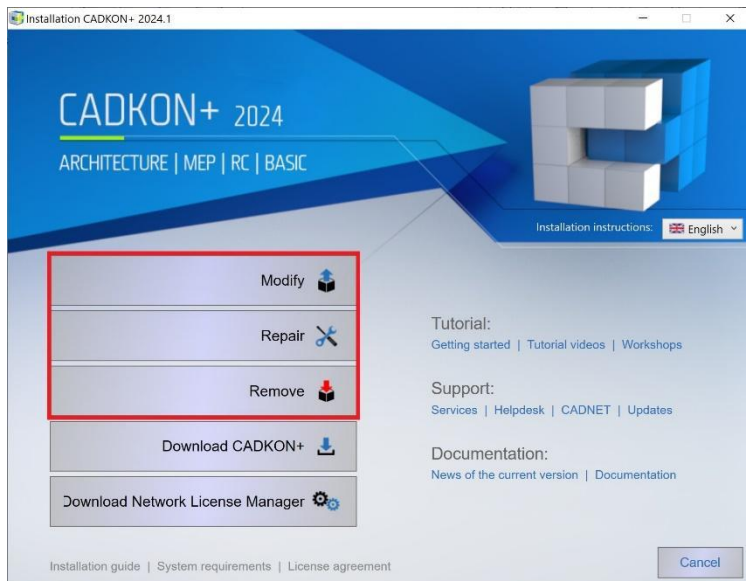
- **Update CADKON+** (in cases when an older version of CADKON+ 2024 is found on the particular computer).



- **Install CADKON+** (in cases when no older version of CADKON+ 2024 is found on the particular computer).



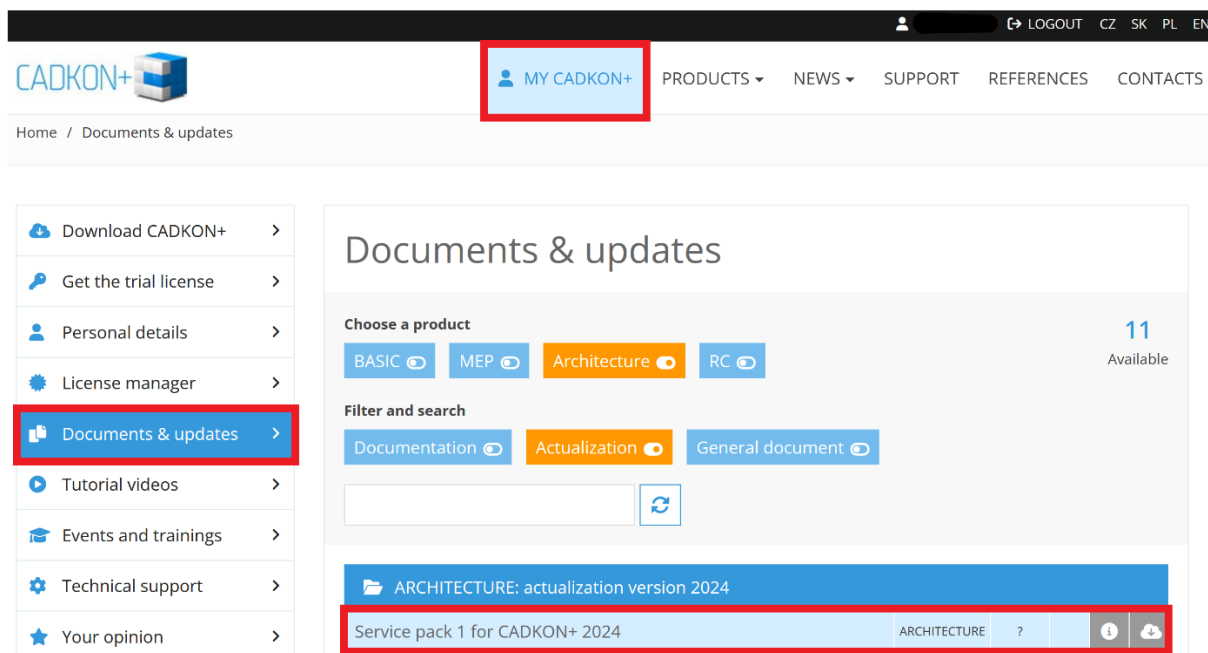
- **Configure CADKON+** (in cases when no program update is available and the newest version of CADKON+ 2024 is installed on the particular computer).



## Installation on a computer with already installed CADKON+ 2024

You have received the Installation file *SetupCadkonPlus\_2024.exe* as a link in an email from Graitec company or you can download it from [www.cadkon.eu](http://www.cadkon.eu).

To download it from [www.cadkon.eu](http://www.cadkon.eu) you need to sign up (register) and go to a section „MY CADKON+“ ▢ „Documents and updates“.



### Installation process

If you have CADKON+ 2024 already installed on your computer, proceed as follows:

1. Download the updated installation file *SetupCadkonPlus\_2024.exe*.
2. Close CADKON+.
3. Run the downloaded file *SetupCadkonPlus\_2024.exe*.
4. Click on „Update CADKON+“, and continue in the installation.
5. When the installation is completed, click on „Finish“.

**Warning:** The program update cannot be uninstalled separately.

**Note:** By Service Pack 1 installation, the **Slovak add-on** (an add-on modifying CADKON+ Architecture outputs into the Slovak language) will also be updated, if it is installed.

### Verification of Service Pack 1 version

If you need to verify the installed Service Pack 1 version, proceed as follows:

1. In Start menu (Windows) go to Control Panels/ Programs/ Programs and functions.
2. In the list of all installed programs, find CADKON+ **2024.1**. In Details of the record, you will find the pack label **24.1.45** and the installation date.


## Installation on a computer without CADKON+ 2024


You can install CADKON+ 2024 on a computer with no CADKON+ installed using an updated exe file *SetupCadkonPlus\_2024.exe*, which you have received as a link in an email from Graitec company or you can download it from [www.cadkon.eu](http://www.cadkon.eu).

To download from [www.cadkon.eu](http://www.cadkon.eu), you have to sign up (register) and go to section „MY CADKON+“.

SIGN IN SIGN UP CZ PL SK EN

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## CADKON+ Downloads

Download the current trial version of CADKON+ which contains programs CADKON+ BASIC, CADKON+ ARCHITECTURE and CADKON+ RC. After the download and launching the Setup Wizard, you can choose which program you wish to install.

Download CADKON+ 2024 modules BASIC, ARCHITECTURE, MEP, RC

You can download an installation guide, newsletter and other from the customer section [„MY CADKON+ Documents and updates“](#). We also recommend to watch tutorial videos in the customer section [MY CADKON+ Videos](#).

**30-day CADKON+ trial version requires activation** of a trial license using authorization codes. To obtain the trial license **fill in and send a form** from the menu [Get the trial license](#).

The instructions for the installation can be found in the Installation Guide which is available after you run the CADKON+ installation.

*Note: Installation to a new computer using the updated exe file SetupCadkonPlus\_2024.exe will always perform a new clean installation that will include all officially issued program updates (service pack, hotfix etc.).*

## News for CADKON+ ARCHITECTURE, CADKON+ RC a CADKON+ BASIC

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### *Drawing*

- Improved accuracy of SNAP in very high coordinates when UCS is rotated.
- PROXY objects can now be hatched.

### *PDF output*

- Thanks to optimized PDF output, newly created PDFs are up to 5x smaller (depending on the exact drawing content) than in the previous version.
- The program always remembers the last set path for creating PDF, for internal printers to PDF (DWG to PDF, AdvanceCAD PDF).

### *Tables*

- You can now use the ALT+Enter keyboard shortcut to jump to the next row within a table cell, just like in Excel.

### *Layers*

- When copying a viewport, all overrides of layer properties (color, line type, line thickness, etc.) are now preserved.
- The command Unisolate layer ("\_LAYUNISO") returns only the layer state (lock, turn off), other layer properties (color, line type, line thickness) are ignored.

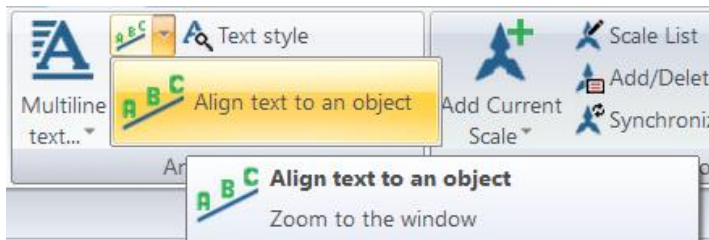
### *Others*

- The commands "\_AUDIT" and "\_RECOVER" now correct specific errors in "foreign" drawings.
- Mouse scrolling is now enabled in the scales list on the status bar.
- Minor improvements to Quick Select functionality. The dialog will keep the value if the operator is changed. Non-relevant operator types are not offered for specific selections (e.g. for layer name (greater than, less than)).

## News for CADKON+ ARCHITECTURE

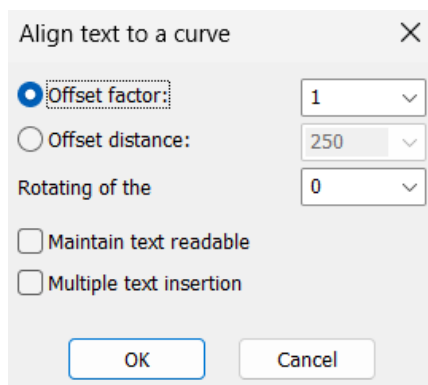
### *Align text to an object*

The new text-to-object alignment function is a very simple function to use, but it has many applications, for example in situation drawings. You can select an existing text and have it aligned to the selected object very quickly.



*Pict. The Align text to an object feature can be found in the Annotations ribbon in the Annotation field.*

- Possibility to display dialog for parameter settings.



*Pict. Parameter settings of align text to an object.*

- The offset factor allows you to set the distance of the text from the object as a multiplication of the text size
- Offset distance allows you to set the distance of text from an object in drawing units
- Text rotation rotates the text to the desired angle relative to the object.
- Option Maintain text readable determines whether the text is mirrored on the other side of the object or its orientation is maintained.
- Multiple text insertion allows you to insert the aligned text multiple times.
- Ability to dynamically change text alignment parameters during text insertion using command line options.
- Text can be aligned to a variety of object types such as line, curve, arc, circle, ellipse or spline

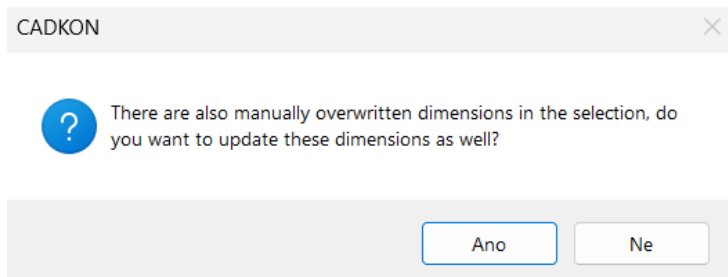


*Pict. Example of aligning text to a curve.*

### Elevation marks

Based on your requests, we have added the possibility to change the base height value by double-clicking or after selecting it in the properties. This adds another option to edit the base value. Additionally, options for bulk updating of user overwritten elevation marks have been added.

- When using the edit base -> change base of existing dimensions function, a dialog will be displayed with the option to update the user overwritten dimensions if there are any in the selection.
- If you select yes, the overwritten dimensions will be updated. If you select no, the dimensions will remain overwritten.



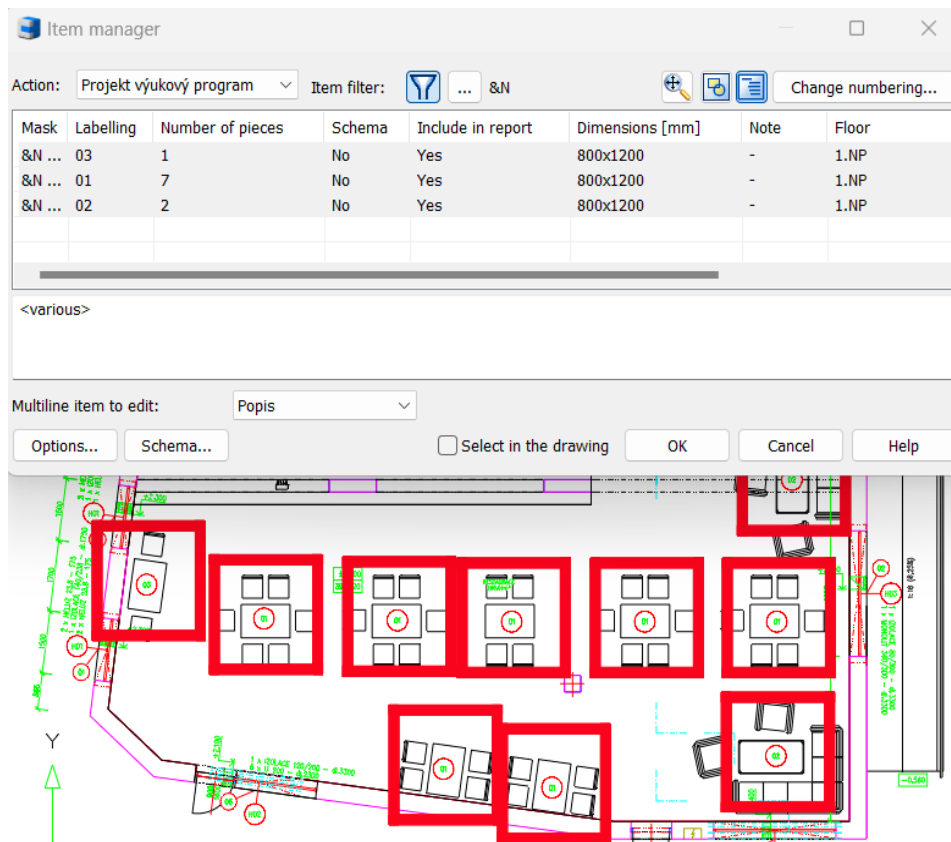
- It eliminates the need to manually activate each overwritten dimension if it has been overwritten
- You can also use this new feature when copying elevation marks between drawings to activate all dimensions at once
- You can change the base height value by double-clicking and editing the height attribute value.
- The base height value can be changed by editing the value of the height attribute in the properties.
- If the attribute value is changed, all elevation marks associated with the base are automatically updated.

### Bulk change of bubble appearance parameters

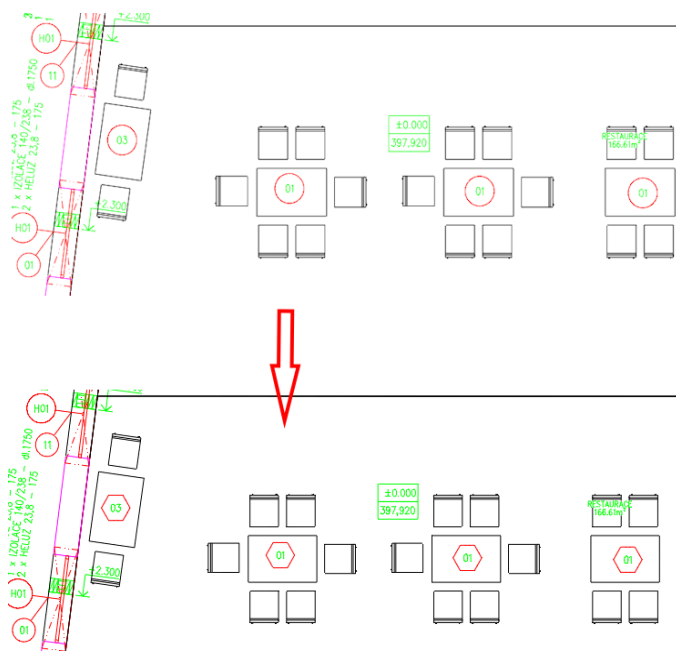
Based on your feedback, we have added the ability to change the appearance parameters of bubbles in bulk. You can now use the bubble manager to bulk set all appearance parameters and bubble leader types you want to change in the drawing and clearly distinguish different bubble types graphically.

- Option to select multiple items in the manager and use the parameters button to go to the bubble appearance parameters settings.
- All options for setting appearance parameters within each bubble type are maintained.

- Ability to change the appearance of bubbles in the drawing in bulk.



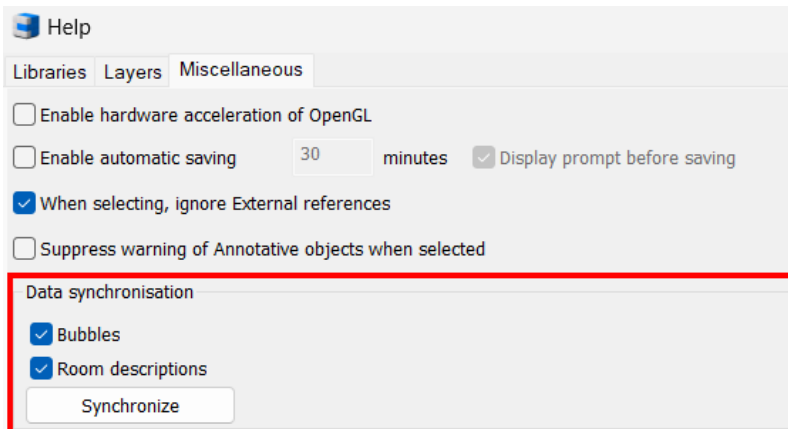
Pict. Marking the bubbles for which you want to change the appearance parameters in the bubble manager.



Pict. Bulk change of bubble appearance parameters.

### Data synchronization

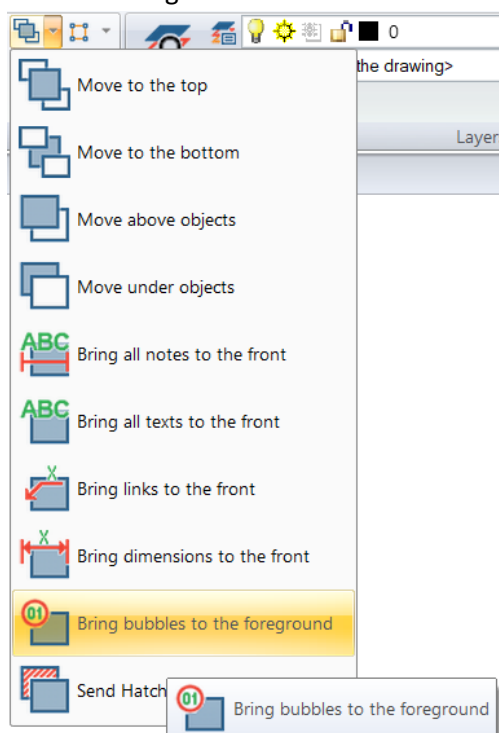
- When the user bubble table is started, the data is automatically synchronized so that the list is always up to date.
- The automatic synchronization of bubble data and room descriptions can now be disabled by the user. The data is synchronized only when the synchronization is started manually. The new setting is suitable for large projects in which time delays can occur. There is no need to wait for automatic synchronization after each edit of bubbles or room descriptions, you can make changes and synchronize the date manually later.



Pict. The settings are available in CADKON+ Settings/ tab Other.

### Bringing bubbles to the foreground

- New feature enables all the bubbles in the drawing to be brought to the foreground within the object drawing sequence.
- You can easily bring all bubbles to the foreground and thus guarantee their good readability in the drawing.



### Tables

- In the table of floor structures, the total thickness of the structures can be reported in a separate column.
- When you attempt to create a report without selecting items, an informational message is displayed stating that no objects are selected.
- If no objects are selected (Enter to merge tables option), the Edit Columns button is suppressed.
- It is now possible to adjust the size of the Edit Columns dialog.

### Flats and zones legend

- The rendered legend of flats and zones respects the flat or zone hatch with the set transparency

### Elevation mark templates migration

- As of CADKON+ 2024, elevation mark templates are available and can be migrated to the new version as part of the library migration.

### Room descriptions

When creating room descriptions, the curves of areas, structures and flat areas according to Decree 366/2013 are created in the curves to which the area is linked. The curves have so far been created, in terms of drawing order, on top. This created a problem in the subsequent creation of the openings, as this curve was chosen when selecting the walls. Now, these curves are drawn at the bottom, eliminating the problem when creating openings. The ability to trace rooms by double clicking on a room in the room description manager has been added.

- When creating and editing room descriptions, the curve in the CKRDESCRIPTION\_AREA layer is drawn within the drawing sequence at the bottom.
- When creating and editing room descriptions, the curve in the CKRDESCRIPTION\_AREA\_STRUCTURE layer is drawn within the drawing sequence at the bottom.
- When creating and editing room descriptions, the curve in the CKRDESCRIPTION\_AREA\_GR layer is drawn within the drawing sequence at the bottom.
- Double click on an item in the room description manager to find the room in the drawing

### Bubble manager

- You can change the parameter values of multi-line items in the bubble manager by selecting them from the value menu.
- When changing the value of a multiline item parameter, you can click anywhere in the dialog to make the change take effect.
- Double-clicking on an item in the bubble manager will search for a bubble or multiple bubbles in the drawing.

### Ceilings

- When specifying the location of the beam and concrete ceiling, a red highlight showing the specified area is now displayed for better clarity.
- The red highlight remains displayed even when entering the beam or concrete ceiling parameters.

### *Blocks*

- The tree blocks have been optimized in Block Library/Floor Plans/ Exterior decor/Trees/Trees.dwg to reduce their size.

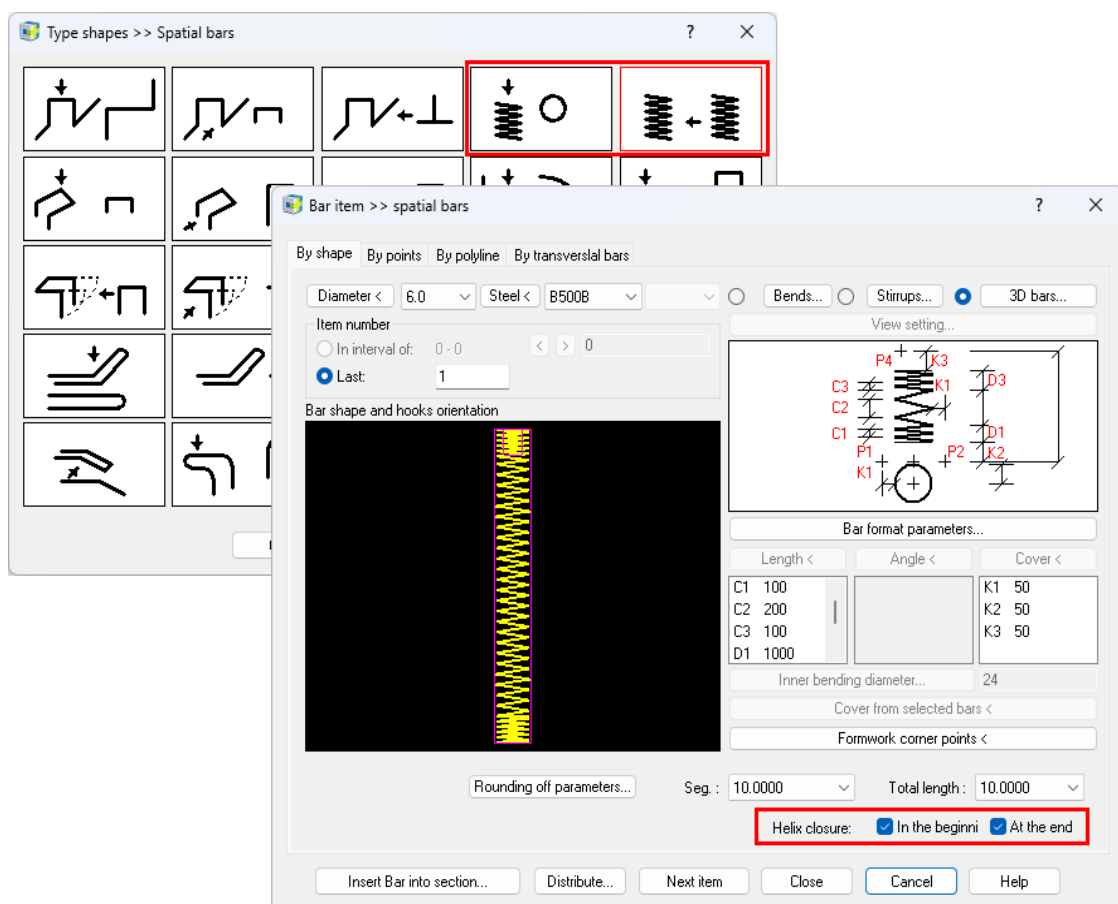
## News for CADKON+ RC

### Improvement of the helix bar type shape

CADKON+ RC offers a range of bar type shapes and one of these shapes is the helix bar, which is mainly used for piles and round columns. Since version 2024.1, this type shape has been improved, especially in terms of additional shape modification options.

- **Possibility to close the helix with a full circle**

The helix type shape belongs to the spatial bars. The first novelty can be seen immediately in the dialog for specifying the helix shape - the option to close the helix. Closing the helix with a circle without pitch is an optional parameter activated by checkboxes in the dialog.



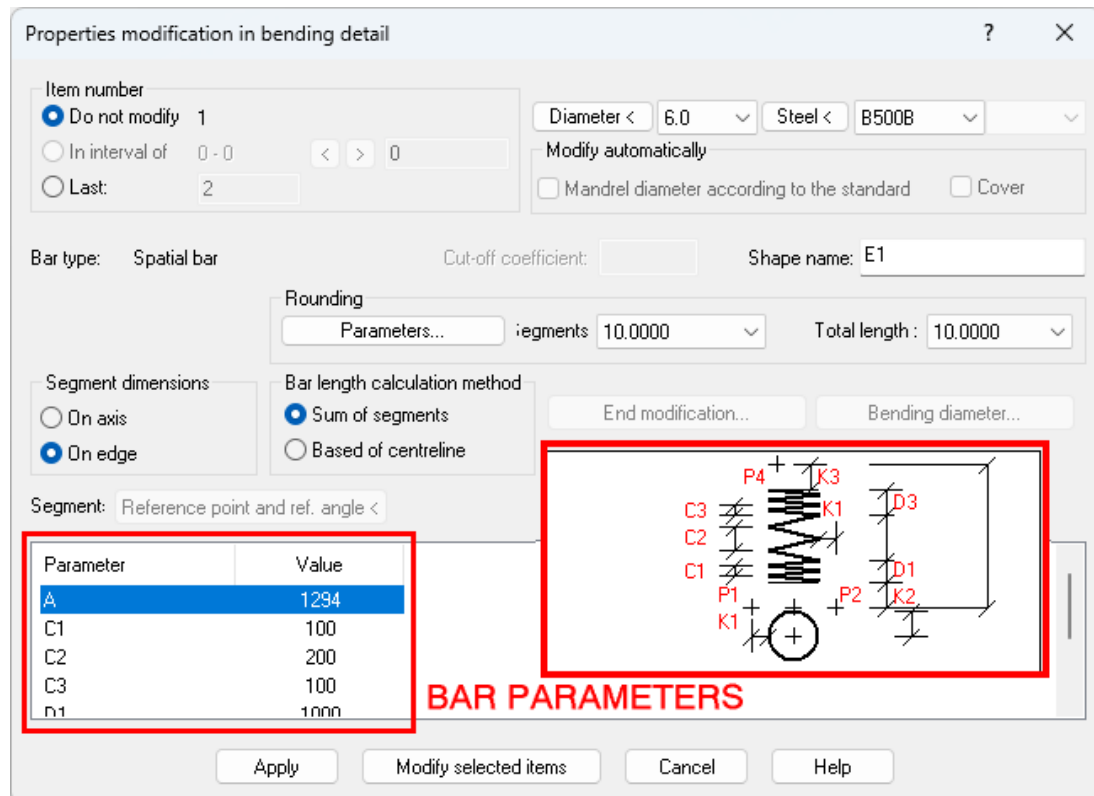
Pict. Option for helix closure.



In addition to the nodal points, the STRETCH command (\_STRETCH) can be used to modify the length of the helix, and depending on exactly where you select the helix, the selected section of the helix will be stretched.

- **Possibility to additionally change helix parameters numerically**

The function **Bending detail edit** [AbRcBarSummaryEdit] has been improved so that the helix length parameters can be additionally changed numerically in the function dialog.



Pict. Bending detail edit dialog allows you to change the parameters of a helix-shaped member.

The dialog for editing an item by selecting the bending bar detail contains parameters identical to those in the dialog for bar definition.

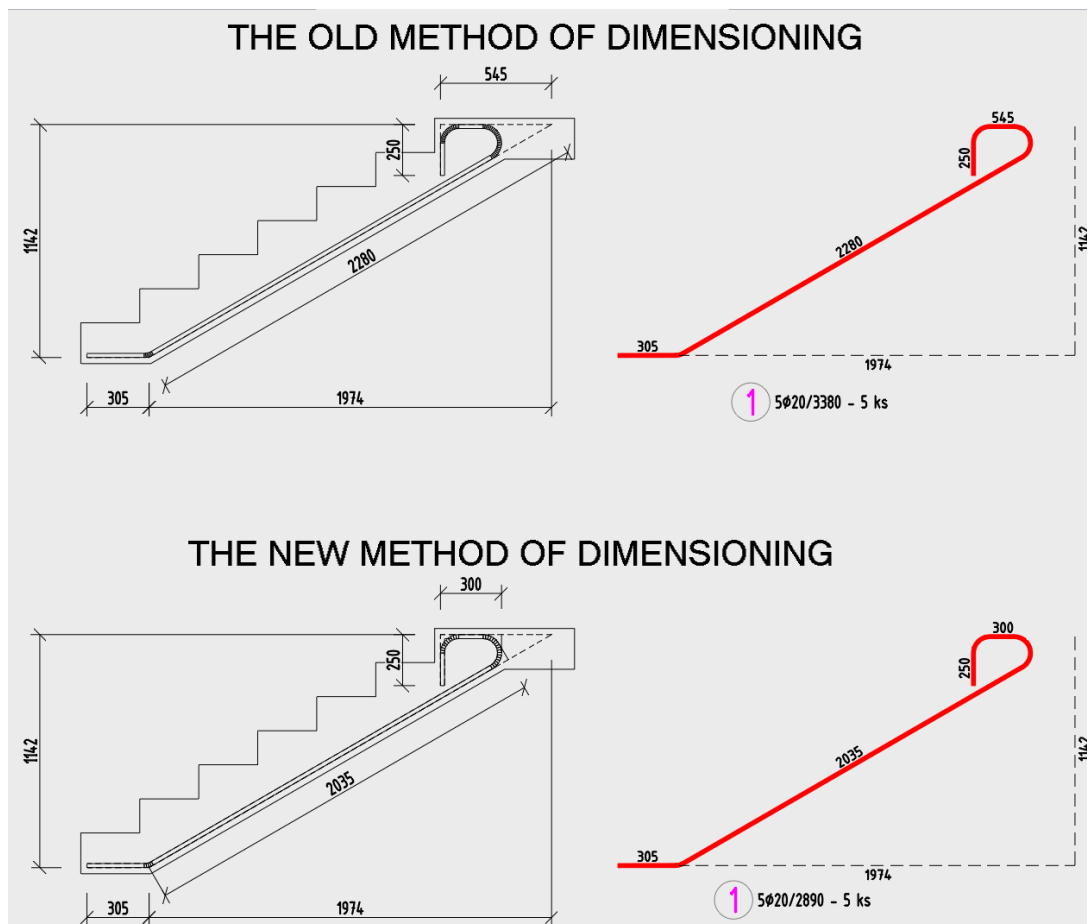
### Improved bar dimensioning

Since CADKON+ RC 2024.1, some changes have been made to the dimensioning of the segments that form an acute angle and to the dimensioning of hooks. The change in the dimensioning also affects the calculation of the bar total length if it is calculated as the sum of the segment dimensions:

- **New dimensioning method of segments connected by an acute angle**

Until now, the dimensions of the sections were calculated to the intersections of the bar sections, which, if the angle change between the sections is greater than 270° (i.e., the internal angle is less than 90°), the length of the section came out greater than the real length, which further affects the overall bar length. The option "Method of measuring sections" in "Bar Settings" (On axis or On edge) is taken into account, i.e. axial or external

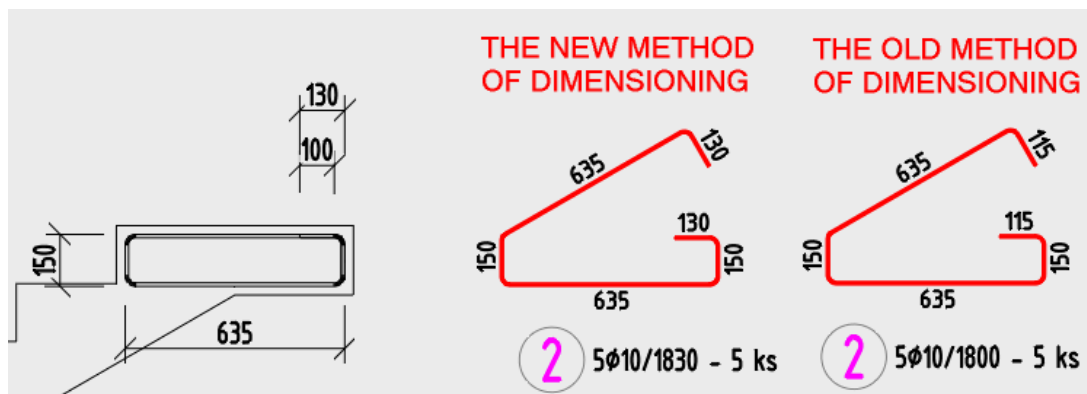
dimensions are taken. Now the length of sections that form an acute angle is calculated to the projection of the tangent of the curve perpendicular to the direction of the section.



Pict. Old vs. new way of bar dimensioning.

#### ■ Hook length dimensioning

Until now, hook lengths were calculated by adding a portion of the arc length to the length of the straight part of the hook. Now the hook lengths are calculated in the same way as above.



Pict. Old vs. new way of hook dimensioning.

### Caution!

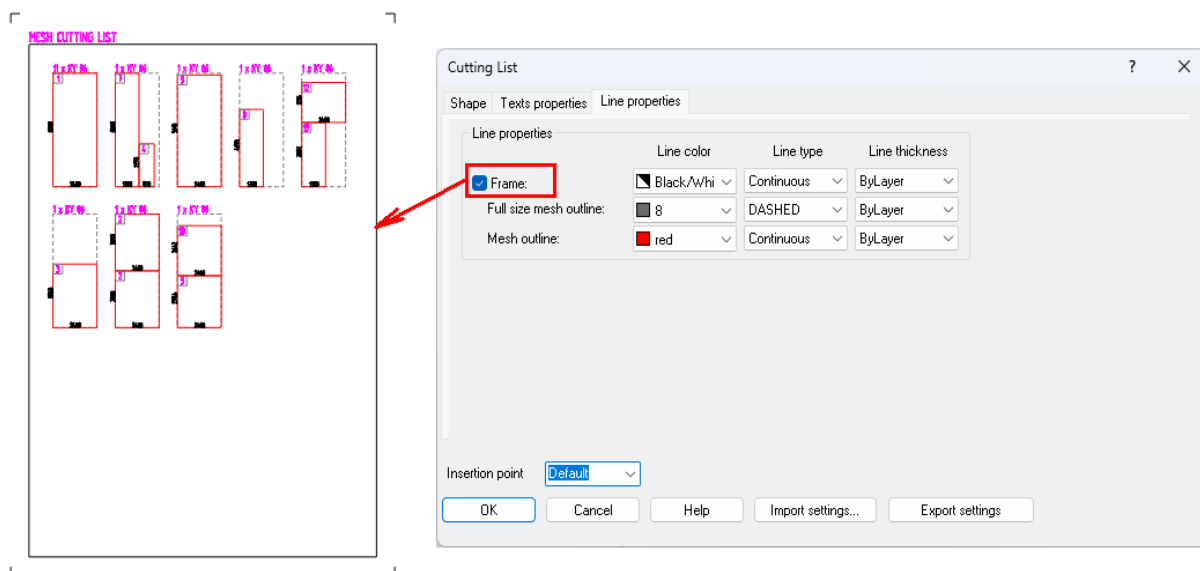
Due to the change in the method of measuring the lengths of the bar and hook sections, when you open the drawings from the older version, there will be a change in the drawing - the bar bending details and the item reports will change.

#### ▪ Export to BVBS

Changes in the bar dimensioning can also be reflected in the exported \*.abs file for automatic bending machines.

### *Cutting List - option not to draw a frame*

The Cutting list settings dialog now includes a Frame option that allows you to turn off drawing a bordering frame around the table. This is useful, for example, if you want to place the schematic table directly as part of the rebar drawing rather than printing it in separate formats.



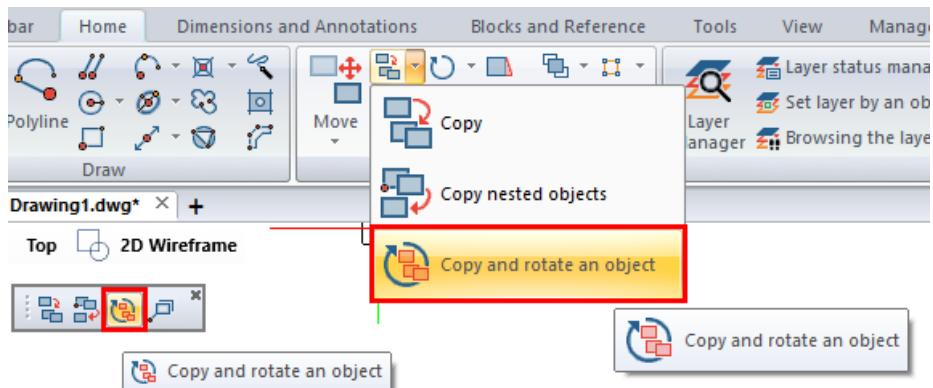
Pict. Dialog for setting the Cutting list table.

### *New general editing and information functions*

These functions can be found directly in the ribbons Basic -> Modifications and Tools -> Query

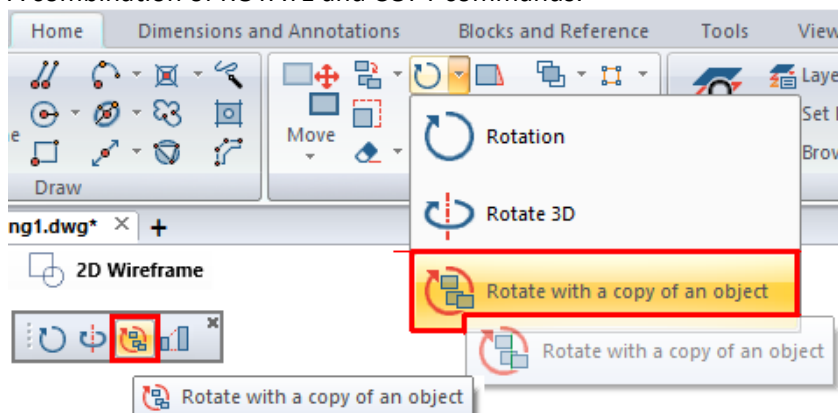
#### ▪ Copy and rotate an object

The Copy and rotate an object function combines CAD's COPY and ROTATE commands; the selected object is copied, arbitrarily moved using the selected reference point, then rotated at any angle.



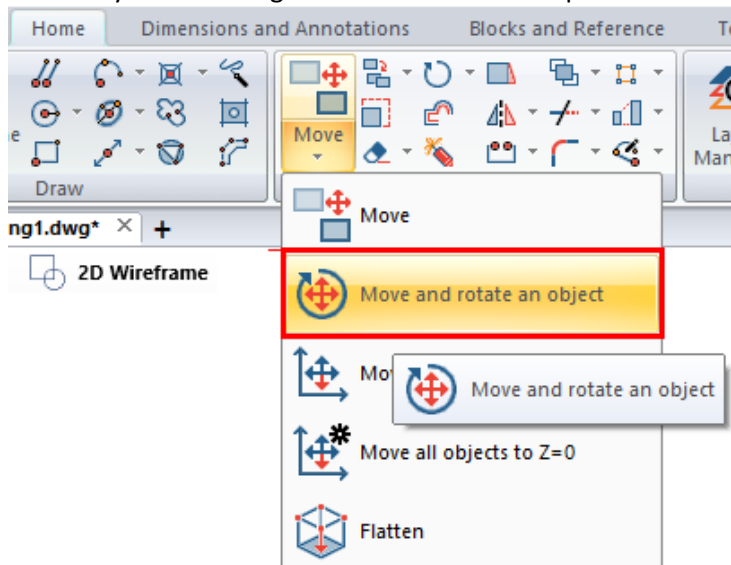
#### ▪ Rotating with a copy of an object

A combination of ROTATE and COPY commands.



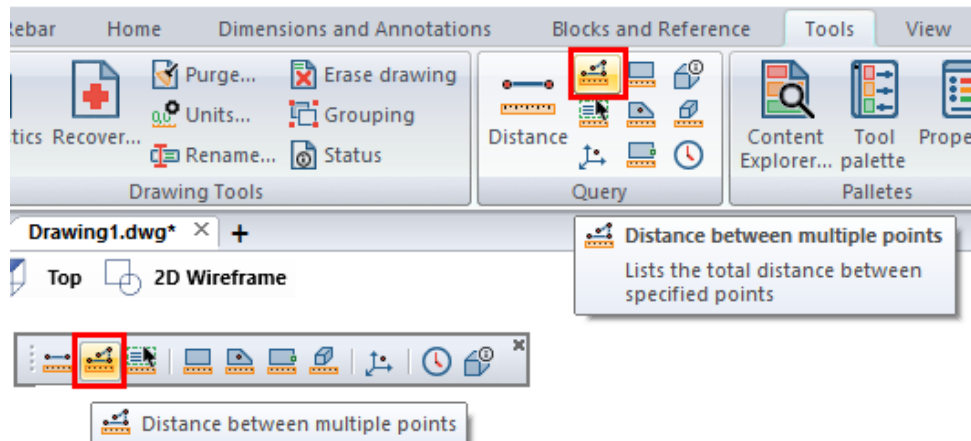
#### ▪ Move and rotate an object

A combination of the CAD commands MOVE and ROTATE; the selected object is first arbitrarily moved using the selected reference point and then rotated at any angle.



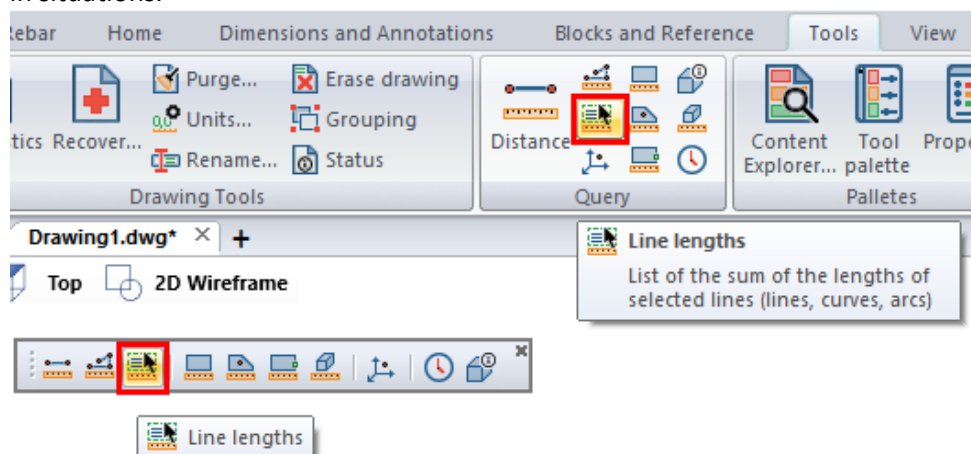
#### ▪ Distance between multiple points

By entering multiple points in the drawing, the total distance between these points can be measured.



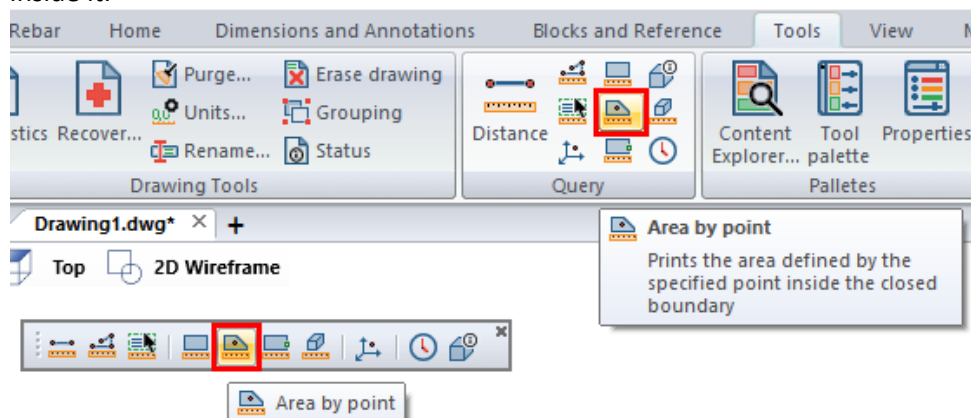
#### Line lengths

Selecting lines (lines, curves, arcs, circles, ellipses) will display information about the sum of the lengths of all these selected entities. This is used, for example, to find the lengths of lines in situations.



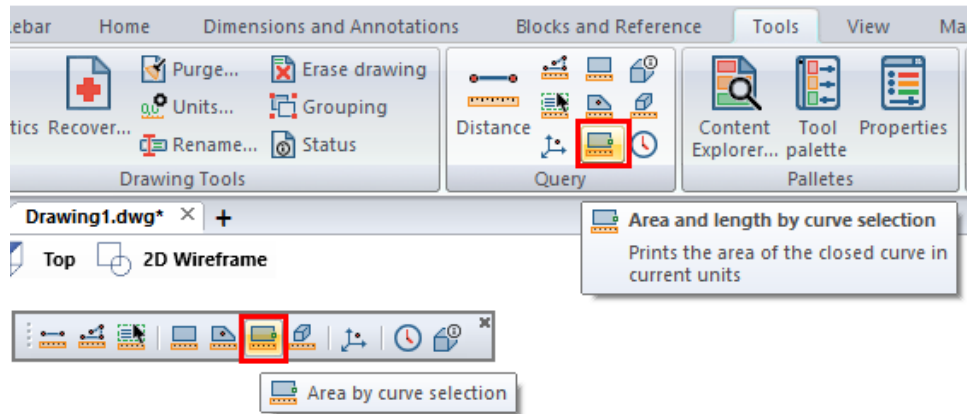
#### Area by point

You can get information about the total area enclosed by a boundary by specifying a point inside it.



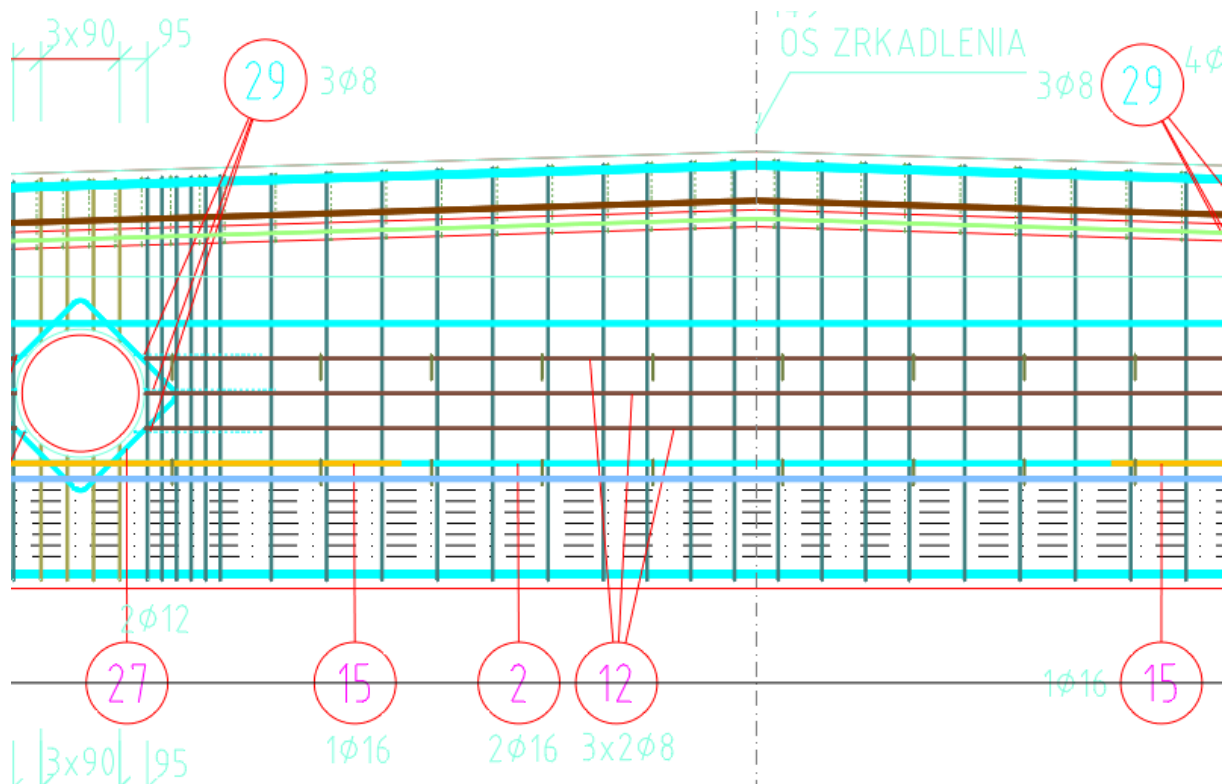
### Area and length by curve selection

By selecting a curve you can get information about the total area and length of the selected curve.



### Improved bar description

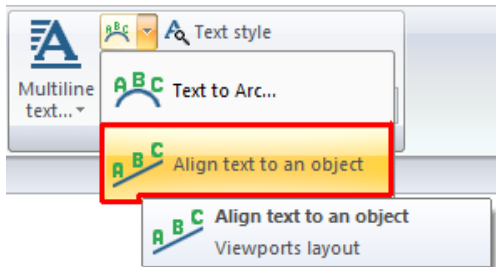
The bar description can now be placed with a perpendicular snap. This is useful if we want to keep all descriptions aligned.



Pict. When placing the bar description bubble it can be gripped perpendicular to the auxiliary line.

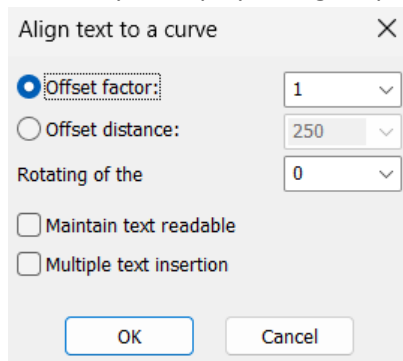
### Align text to an object

The new text-to-object alignment function is a very simple function to use, but it has many applications, for example in situation drawings. You can select an existing text and have it aligned to the selected object very quickly.



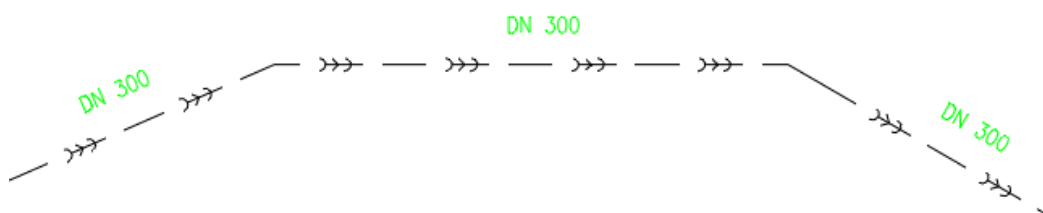
Pict. The Align text to an object feature can be found in the Annotations ribbon in the Annotation field

- Possibility to display dialog for parameter settings.



Pict. Align text to an object parameter settings.

- The offset factor allows you to set the distance of the text from the object as a multiplication of the text size
- Offset distance allows you to set the distance of text from an object in drawing units
- Text rotation rotates the text to the desired angle relative to the object.
- Option Maintain text readable determines whether the text is mirrored on the other side of the object or its orientation is maintained.
- Multiple text insertion allows you to insert the aligned text multiple times.
- Ability to dynamically change text alignment parameters during text insertion using command line options.
- Text can be aligned to a variety of object types such as line, curve, arc, circle, ellipse or spline



Pict. Example of aligning text to a curve.

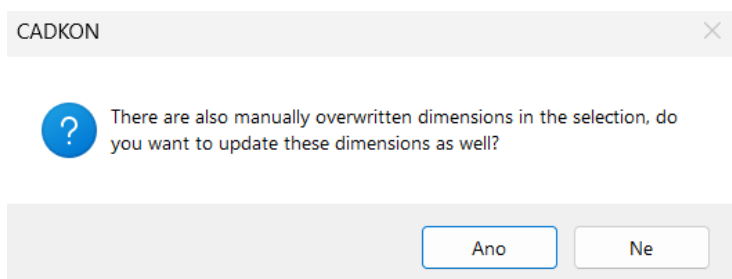
### *Improved behavior of the cutting plane symbol*

When stretching the entire reinforced element, including changing the position of the cutting planes, the bar descriptions and meshes are maintained. This facilitates additional modification e.g. of a column length.

### *Elevation marks*

Based on your requests, we have added the possibility to change the base height value by double-clicking or after selecting it in the properties. This adds another option to edit the base value. Additionally, options for bulk updating of user overwritten elevation marks have been added.

- When using the edit base -> change base of existing dimensions function, a dialog will be displayed with the option to update the user overwritten dimensions if there are any in the selection.
- If you select yes, the overwritten dimensions will be updated. If you select no, the dimensions will remain overwritten.



- It eliminates the need to manually activate each overwritten dimension if it has been overwritten
- You can also use this new feature when copying elevation marks between drawings to activate all dimensions at once
- You can change the base height value by double-clicking and editing the height attribute value.
- The base height value can be changed by editing the value of the height attribute in the properties.
- If the attribute value is changed, all elevation marks associated with the base are automatically updated.

### *Elevation mark templates migration*

- As of CADKON+ 2024, elevation mark templates are available and can be migrated to the new version as part of the library migration.

## Solved problems common for CADKON+ ARCHITECTURE, CADKON+ RC and CADKON+ BASIC

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### *Rendering*

- "General Exception" error when printing to PDF if the path selection dialog for PDF creation is canceled in the previous step.
- Print to PDF quality settings not working (on internal DWG to PDF printers).
- If the display of the full file path is enabled, the Publish command shortens the file names if the drawing is saved on a long path.

### *Hatches*

- Program failure when removing a vertex of a specific hatch area.
- Some hatch vertices are stretched incorrectly.

### *Snapping objects*

- The apparent intersection does not work correctly in specific cases.
- Incorrect detection of the closest snap in high coordinates with rotated UCS.
- Incorrect detection of the end snap of objects in high coordinates with rotated UCS.

### *Drawing*

- The Array command does not render objects according to the current UCS.
- The Offset by point command is not functional in construction lines.
- The correct multifunction nodal point options are not offered for arcs.
- A specific attribute editing procedure does not save changes.
- If a dynamic textbox contains a diameter symbol, the textbox background is not displayed.
- Notes cannot be turned on in the Multileader style.

### *Dimensioning*

- It is not possible to modify the dimension styles in a specific drawing (changes are not saved).
- Tolerance cannot be enabled in the dimension style.

### *Other*

- The command autocomplete does not display the icons for the relevant commands.
- If the display of Model/Layout tabs is disabled, the CTRL+PageUP/Down keyboard shortcuts for navigating between layout tabs do not work.
- When switching between drawings, the Content Explorer display is always suppressed (if set to compact view).
- If the full file path display is enabled, the eTransmit command will not include the main DWG file in the resulting package if the drawing is stored in a long path.
- The cursor flashes on the Mtext ruler or is not visible at all.
- When importing layer states (\*.LAS), the dialog box is missing Czech strings.
- When specific selections are made via Quick Select, the OK button is not available.
- Program failure when using 3D functions "\_SWEEP" and "\_LOFT" in ribbons if another command is active.
- Edges do not display in Goudard visual style.

## Solved problems for CADKON+ ARCHITECTURE

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### *Room descriptions and tables*

- Describing rooms by a point and selecting a curve incorrectly calculates the area if the boundary contains an arc towards the inside of the boundary.
- If a second floor structure is entered when creating a room description, the area of the newly added floor structure cannot be entered.

### *Tables*

- In a specific procedure, manual regeneration of the drawing is required after turning off the table layer.
- User bubble tables do not display the number of pieces.
- The steel profile table displays an incorrect sum of the total weight of the listed profiles.
- Bubble tables containing a view schema that includes Mtext incorrectly render the Mtext outside the table.
- Changing the floor structure parameter in the room description does not invalidate the room by floor table with this parameter.

### *Bubbles*

- In the drawing in meters, the strikethrough of the bubble (when selecting Do not include in report) is absurdly large.
- In a specific drawing, the Bubble Manager does not load all inserted bubbles.
- If Mtext is part of a viewing scheme read from a drawing, the viewing scheme will be loaded incorrectly.
- When two bubbles where one is placed exactly above the other one are loaded into the bubble manager, bubble duplication occurs.

### *Lintels*

- Incorrect profile cross-section icons in the lintel database when the database is migrated from a previous version.

### *Ceilings*

- When inserting an element from the ceiling database to a drawing with rotated UCS, the element is inserted to different coordinates

### *Rafter positioning*

- The rafters inserted in the rotated UCS are inserted in different coordinates.

### *Multilayered constructions*

- When inserting a multilayer structure containing a hatch when the UCS is rotated, the hatch is inserted oriented according to the WCS.
- When two segments are connected at a very small angle, the hatch is drawn outside the structure.

### *Dimensions*

- The dimensions created by the automatic dimensioning function when the UCS is rotated are inserted oriented according to the WCS.
- When creating elevation marks in UCS, then changing UCS and returning to the original UCS, the elevation marks are marked as user overwritten and must be reassociated

### *Isolations*

- When drawing an isolation, the line segment of the opposite boundary is drawn multiple times. The number depends on the number of segments entered.

### *Other*

- Manual regeneration of a block with an attribute is required if the block is inserted using the Block Manager.
- When inserting vents into a drawing with rotated UCS, they are displayed in WCS.
- Chimneys and ducts are displayed in WCS when inserted into a drawing with rotated UCS.
- When you enter the function wall -> footing points in a drawing with rotated UCS, the element is inserted in a different coordinate.

## Solved problems for CADKON+ RC

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### Bars

- In the case of the definition of a type shape L bar with the option of specifying dimensions A, B, the bar is not positioned according to the specified coverage.
- A distancing bar - spacer - defined in the floor plan has the wrong dimensions.
- The bar segment with the hook is shorter.
- Program failure RC Bar properties - Vlastnosti prutu - Color change - in a specific drawing.
- The width of the stirrup created by joining the U-shaped trim bars is too large, causing a collision.
- The fillet of the stirrup hook created in the wall does not match the value set in the bar preset.
- The fillet of the stirrup hook created by the Column function does not match the preset value in bar settings.
- Program failure in Opening in the reinforcement in a particular case.
- Wall - the inner diameter of the U bar fillet does not match the preset value.
- Incorrect accurate display of bars in 3D - type D2 = spacer.
- Incorrect accurate display of bars in 3D - type E1 = helix.
- Trim/Extend bar row does not trim bars in a certain case.
- Bars in the 3D model cannot be selected for the Bar spacing function.
- Incorrect accurate display of a specific bar in 3D.
- Tangential Reinforcement function does not insert anything in a certain case.
- Item in running meters cannot be created from a helix.
- Incorrect rendering of semi-circular hook with angle of expansion = 0.
- Item manager - incorrect update when changing hook type.
- Program failure when changing bar display in 2D section properties in a particular drawing.
- Non-functional editing of a specific bar.

### Reports and bar bending detail

- When overwriting the number of pieces when editing via the reinforcement report, the values are assigned to the wrong elements.
- Bending detail does not respect the set line type for the description of oblique sections.
- Rozkreslení prutů [AbRcScheme] nevykresluje položky v pořadí od nejmenšího čísla.
- The bar bending detail [AbRcScheme] does not render items in order from the lowest number.

### Mesh

- Zig-zag mesh trimming - the trim shape does not accurately follow the curve shape.
- Incorrect mesh display in a 2D section of a different scale.
- Incorrect mesh display - missing mesh wire perpendicular to the 2D section.
- Mesh cutting optimization algorithm: the number of whole meshes is increased after a mesh is reduced.
- Mesh item manager does not redraw meshes after renumbering.

### *Bar descriptions*

- Non-functional bar row description in a particular case of bars laid along a curve.

### *Steel constructions*

- The field for defining the steel profile length is displayed outside the dialog box when dynamic input is enabled.

### *Other*

- Deleting a 3d element will leave the trimming area of the 2d section.
- When printing a specific drawing with RC objects, Print unexpected error: general exception appears
- An error occurs when specifying a 3d section on a specific 3d solid at a specific location.
- Non-functional deletion of an element (green box) on a specific drawing.
- Explode RC objects command failure on a specific drawing.
- Incorrect drawing layout with the Explode RC objects function if the drawing contains a bar bending detail with a description of the fillet diameter.
- Replace 3D model - Error when creating a section on a specific 3D object.
- The Layer button in Change properties of the auxiliary 3D section does not allow the layer change.
- Changing the properties of a 3D section does not set the layer properties (color, line type).
- Incorrect edge display on 3D solids in Goudard edge display.
- Incorrect moving of a 3D model in a certain case.

## Technical support

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In case of technical issues with CADKON+ installation or functionality, please contact us via our Helpdesk.

Signing in: <http://helpdesk.cadkon.eu/>

Registration <http://helpdesk.cadkon.eu/Registration/Index>

Request a forgotten password: <http://helpdesk.cadkon.eu/Account/ForgotPassword>

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