

### Version 18.0

Build	Module	Description	ID
20.04.18	Interface	"Move to the origin" for an import of *.dxf / *.dwg files also considers dimension lines.	11583
20.04.18	Interface	DXF / DWG files from ZEICON do not contain any reinforcement (at the most their pictures). The reinforcement is no longer wrongly reconstructed during the import.	11369
20.04.18	Other	The <i>selection list</i> for sheets has been <i>widened</i> at several spots in the program.	11857
20.04.18	Reinforcement	The new <b>replacement text</b> "@Matten/v" specifies the weight of the required meshes. Has no optimization been carried out, "Meshes not optimized!" will be displayed.	12087
20.04.18	Reinforcement	<i>Meshes</i> can now also be laid out at a <i>slab (structural member)</i> .	11554
20.04.18	Reinforcement	The connecting line of a laying runs - if possible - exactly up to the cursor.	11553
20.04.18	Reinforcement	The replacement text @steel list/d can be identified in the plan just like the other steel list replacement texts.	11489
20.04.18	Handling	The <u>selection of the current layer</u> can be made via <i>Transfer from structural member "Slab"</i> .	12311
20.04.18	Reinforcement	Moving a bending shape in the plan has no longer the effect, that the layout area is also shifted when a bending shape is laid out afterwards.	11306

### Version 17.0

Build	Module	Description	ID
15.02.18	Handling	Essential functionalities in the return of the current cursor position have been changed by an update of the operating system of Windows 10 Version 1703 and 1709. ZEICON® has been adjusted to the modified behavior of Windows 10 hereupon, so that proper working under these versions of the operating system is possible again.	11956
19.05.17	Reinforcement	A simultaneous modification of the origin and end shape of a haunched bar is displayed correctly in the bending list.	11380
19.05.17	Reinforcement	When updating the mesh bending list, uncounted layings are no longer considered in the total weight.	11367
19.05.17	Reinforcement	The laying factor of a haunch laying is issued correctly in the x-list.	11280
19.05.17	Reinforcement	Copying of a macro with a haunch laying updates the x-list right away.	11279
28.04.17	General	Due to program adjustments to resolve problems with " <i>Rectangle modifications</i> " and consecutive undo for L-shaped bending, problems in the behavior of mirrored and not mirrored bending layouts occurred.	11353
20.04.17	Dimensioning	The origin of an angle dimensioning can easily be switched.	11108
20.04.17	Handling	The specified splices are indicated with auxiliary lines when laying single meshes. Their endpoints and intersections can be used as transportation points when shifting. (Function: Set transportation point)	10702
20.04.17	Reinforcement	The order of the flat meshes and bending meshes in the list of the meshes is adjustable. One line has been added to the selection in the function; a new substitute text @Mattenliste/fb lists the flat meshes at first and then the bending meshes.	11132
20.04.17	Reinforcement	Design values can now also be displayed in the drawing for the shear reinforcement (besides the top and bottom reinforcement).	10701
20.04.17	Handling	The problem after cancelling nested dialogs in the parameter dialog <i>interfaces</i> has been resolved.	10647
20.04.17	Other	The (prohibited) possibility to <i>move elements into external references</i> has been disabled again.	10686
20.04.17	Reinforcement	If two new layings result from a rectangular modification of the laying area, then these have the same area lines as the original.	11085
20.04.17	Reinforcement	<i>Bending shapes loaded in a macro</i> can be edited correctly again (e.g. leg length).	11057

Build	Module	Description	ID
20.04.17	Reinforcement	Highlighting a position in the plan selects it and, if necessary, ignores entered position numbers in the dialog "Selection of reinforcement position".	10930
07.02.17	Handling	The functionality "Attributes" has been removed from the menu "Extra" and was arranged in its own menu.	9883
07.02.17	Handling	Equal names are being avoided in named views.	9854
07.02.17	Other	"Modify line thickness, dotting and color" is now available for all structural members (so far only walls).	10406
07.02.17	Other	The vector font <i>slawisch.vff</i> has been extended with the characters <b>I, r, L, R</b> at the hitherto empty ASCII spots 229, 224, 197 and 192.	10267
07.02.17	Other	The diameter sign can be displayed as TrueType font by entering ALT+0248. When switching a text from TrueType to a vector font, the sign is replaced appropriately.	8511
07.02.17	Plot	Now also automatic plots of the existing <i>named sections</i> can be generated when saving a plan (adjustable in the user settings).	9398
07.02.17	Reinforcement	A mesh cutting detail can now also be generated, if it only contains supporting cages (no meshes).	10407
07.02.17	Reinforcement	"Delete all drafts" now deletes <b>all drafts</b> , independent of the selected type of mesh (flat mesh, bending mesh, all meshes).	10264
07.02.17	Reinforcement	A different reference point at the bending shape can be assigned to the area line of a reinforcing bar laying, in which the bending shape is displayed, with the function "Add to dimension chain". It is used for the entire area line.	10263
07.02.17	Reinforcement	Congruent bending shapes are recognized as such independent of their generation (free or bend free).	10261
07.02.17	Reinforcement	RTreport steel lists specify the selected interlayer stack if applicable.	9921
07.02.17	Reinforcement	A new function enables displaying the layouts with a layout factor <, <=, =, >=, > a selected reference value.	9809
07.02.17	Reinforcement	Several sample elements (lines and texts) were added to the cutting design templates (skrahmen.zdb and skrahmen_u.zdb). Their appearance (color, line width, if so dashing and font) is used for template meshes, flat and bent meshes, as well as the labeling with amount/type of mesh and position/length/width.	9367
07.02.17	ZAC Variants	The ZAC-Varianten were standardized further and revised in parts in their internal structure. Especially the display of the menus in the language selected in ZEICON as well as the display of the general information has been adjusted.	7934
07.02.17	Handling	The type of flat mesh can be specified in the settings again.	9759
07.02.17	Interface	The function "Scale TT fonts up / down" now also modifies dimensions.	10507
07.02.17	Other	The specified data directory is now also being interpreted correctly with a server installation.	10392
07.02.17	Reinforcement	The number of laid bars is decimally stated in the bending shape element information.	10836

### Version 16.0

Build	Module	Description	ID
22.04.16	Handling	The anchorage point of the ZAC menu is at the <i>top left</i> and no longer centered at the first call-up.	9688
22.04.16	Reinforcement	Correct position indication for repeatedly using "Lay reinforcement bars" with selection via the position number.	9712
22.04.16	Reinforcement	The steel list now displays the unit of length (mm or m).	9659
22.04.16	Reinforcement	Layout areas are now displayed with adjustable parameters (Color, line width, dashing, etc.).	9271
22.04.16	Reinforcement	Section layings are being conserved when modifying the display of a bending shape.	9768
22.04.16	Reinforcement	A modification of the hook at a reinforcement bending shape no longer misaligns the bending shape laying.	9763
22.04.16	Reinforcement	Flat meshes transferred from the clipboard are now displayed correctly in the cutting layout.	8736
15.02.16	Handling	"Directory change by overview" can be changed again in the drawing parameters of the user settings.	9614
08.02.16	General	Program modifications for the <b>compatibility with Windows 10</b> .	9539
08.02.16	Interface	<b>BVBS export</b> The suggestions "Construction project" and "Plan number" for the header texts are adopted from the replacement texts @construction project and @plan number at first (if available), then from the appropriate entries in the style file for reinforcement lists (SLFORM.DAT). This again can contain replacement texts.	9474
08.02.16	Interface	<b>BVBS interface</b> The suggestion for the construction project is taken from the settings for the steel lists (SLFORM.DAT).	9382
08.02.16	Interface	The AutoCAD I interface now offers the possibility to move the imported plan to the origin, i.e. the bottom left corner of the data is at 0/0. This displacement can be undone when saving the data.	9098
08.02.16	Reinforcement	When loading a macro it is checked, whether there are conflicts with the reinforcement bar gross/net display in the drawing. In this case, the macro is adjusted and a warning is issued.	9476
08.02.16	Reinforcement	The bar reinforcement function "Show position" has been enhanced significantly: <ul style="list-style-type: none"> <li>• multiple positions can be specified in the selection dialog</li> <li>• the context function is also available for selections, which include more than one position</li> <li>• the accentuation remains visible until the function is quit with a mouse click, thus also when switching between details</li> </ul>	9242
08.02.16	Reinforcement	For reinforcement bending shapes the bar contour and bar sections can now be displayed as "gross", i.e. the diameter is increased by 15% rib surcharge. The setting is unitary for the entire plan.	7933
08.02.16	ZAC Variants	The ZAC Variants were in large parts revised in regard to the handling and in them being up-to-date.	9399
08.02.16	Interface	The BVBS interface now exports mesh mandrel diameter correctly (in the header).	9397
08.02.16	Reinforcement	Stirrups in an unrestricted shape with hooks: Modifying the leg length <b>no longer</b> adjusts the hook length automatically.	9328
08.02.16	Reinforcement	Modifying the layout factor (Layout properties) adjusts the bending shape labeling.	9267

### Version 15.0

Build	Module	Description	ID
12.08.15	General	Program maintenance and support	9216
23.07.15	Reinforcement	In the view laying of a per lineal meter bending shape after re-entering the display length the account length is tentatively engaged with the same value - but it can still be modified.	8880
23.07.15	Interface	Problems with an incorrect macro rotation have been fixed.	9042
23.07.15	Interface	True type texts (e.g. after a *.dxf / *.dwg import) can now be enlarged globally, so that they look like in the exporting plan. Furthermore, they can be reduced by the same factor before another *.dxf / *.dwg export.	8993
23.07.15	Reinforcement	It can now be specified in the parameter dialog "Reinforcement", that the new bending list replaces the old one automatically when editing the bending list layer stack.	9092
21.04.15	Reinforcement	The order of the pages for an individual plotting of several MSB (e.g. bending list) can now be specified.	8717
21.04.15	Reinforcement	Is a non-existing position entered in the identification of a reinforcement bar bending shape (e.g. to lay this bending shape), then this function is no longer terminated but a request to enter a correct position is displayed.	8646
21.04.15	Other	Problems when importing polygons with transformed coordinates resolved.	8964
21.04.15	Reinforcement	All combinations of "alternating joint" and "use offset of meshes" are working for the mesh layings.	8884
04.02.15	Reinforcement	The intermediate result about the achieved amount of meshes is displayed in the dialog of the mesh optimization.	6705
04.02.15	Reinforcement	"Position number fixed" does no longer change when editing the properties of a bar.	8650
20.11.14	Dimensioning	A new layer function enables <i>Switching measures between to scale and jig</i> per layer or overall layers (beneficial, e.g. for the import of *.dwg data). Optionally, it is <i>converted</i> (the appearance remains the same) or not.	8366
20.11.14	Handling	ZEICON offers to transfer (copy) settings of the <i>previous version</i> from the program environment, respectively the user directory, at the <i>first start of a new program version</i> .	7927
20.11.14	Interface	The layer selection list in the toolbar has been enlarged, so that also long layer names are readable.	8116
20.11.14	Interface	The <i>AutoCAD I</i> interface also imports <i>Splines</i> .	7929
20.11.14	Interface	Clothoids and splines are transferred to DWG/DXF as polygons.	7928
20.11.14	Other	For objects which cannot be edited because the path is not (or no longer) right, the function "Edit object" enables the allocation of a new path.	8045
20.11.14	Reinforcement	When <i>checking for identical bending shapes</i> , the bending shapes identified as identical are shown completely in the <i>highlighting color</i> .	8365
20.11.14	Reinforcement	Now it can be set, whether a dialog opens for every call-up of "Steel list on the screen (conventional) which inquires the project / plot data like beofre. Steel lists as well as mesh lists receive these data in the project then.	8084
20.11.14	Reinforcement	The GRP reinforcement ComBAR has been added as additional steel type. With this, structural members can be reinforced with glass fiber bars from "Schöck Bauteile GmbH". The structural boundary conditions from the appropriate approvals and technical informational have to be observed.	8036
20.11.14	Reinforcement	<i>Modifying the layout factor</i> of a laying <i>retains the parameters</i> "Line thickness" and "color" for the labeling.	7978
20.11.14	Reinforcement	Also for the steel bar bending list it can be specified now, whether reinforcement which only exists <i>uncounted</i> in the drawing should appear (with amount 0) or not.	7932
20.11.14	Reinforcement	Also the <i>bending list</i> (bar steel or meshes) can now be limited to a stack of layery (Default: "All layers").	7931

Build	Module	Description	ID
20.11.14	Reinforcement	For <i>mesh layouts</i> on large areas, the particular <i>offcut of the mesh of a strip</i> can be placed directly at the beginning of the next strip.	6110

### Version 14.0

Build	Module	Description	ID
23.09.14	Reinforcement	Modifying the layout procedure during laying might change the color of the placed rebars.	8390
25.08.14	Interface	The data transfer in the <i>BVBS-format</i> functions again as described - misleading notes have been corrected.	8190
25.08.14	Interface	The <i>import of DWG/DXF files</i> via interface 1 has been enhanced significantly. Program terminations due to incompatibilities, which have occurred several times, are no longer happening.	5681
25.08.14	Other	Hatching line distances can now be defined with 8 as well as 16 digits.	8266
25.08.14	Reinforcement	Bending shapes in normal-view or dbr-view have outside dimensions and retain them. Problems when <i>modifying the diameter of the mandrel</i> have been resolved.	8133
13.05.14	Other	Updating and upgrading of the documentation.	7277
13.05.14	Reinforcement	Parameter dialog, Steel bar > Laying > Labeling: Corresponds the entry in the field <i>text shape</i> with a choice in the field <i>selection</i> , the choice is shown there - else 'like field "text shape"'. 	7997
13.05.14	Reinforcement	Connecting lines for the labeling can now also be added to round area lines.	7788
13.05.14	Reinforcement	New reinforcement labeling: Additional texts are placed correctly again.	7449
13.05.14	Reinforcement	Layings of a <i>bending shape per meter</i> can now be labeled with the <i>billing length (incl. addition)</i> : Abbreviation "@a".	6926
13.05.14	Reinforcement	The file <b>LFORM.DAT</b> which had to be edited by the user is replaced by dialogs under -> <i>Reinforcement</i> -> <i>Steel lists</i> -> <i>Format...</i>	6284
13.05.14	Interface	The interface <i>AutoCAD 1</i> now offers additionally the possibility to only import <i>Paper- or Modelspace</i> .	7868
13.05.14	Interface	Another method is available to <i>import dwg- and dxf-Files</i> .	7770
13.05.14	Other	<i>Load template</i> (Drawings from the installation directory "template") works again.	7885
13.05.14	Reinforcement	For <i>position numbering</i> also the laying labels are displayed correctly.	7992
13.05.14	Reinforcement	Problem of the <i>shifting of a laying after changing the diameter of a outline bending shape</i> resolved.	7899
13.05.14	Reinforcement	<i>Contour-displayed bending shapes</i> can be laid again as <i>dbr-displayed</i> .	7886
13.05.14	Reinforcement	Section layings without labelings and area lines can be labeled again.	7482
13.05.14	Reinforcement	Diameter changes of the steel bar bending shapes are also displayed correctly in the <i>dma displayed bending shape layings</i> (Adjustment of the mandrel diameter).	7481
13.05.14	Reinforcement	Leg length changes of the steel bar bending shapes are also displayed correctly in the <i>dma displayed bending shape layings</i> .	7480
13.05.14	Reinforcement	When changing the locking type of a steel bar bending shape or mesh bending shape the layings are adjusted correctly.	6085
05.02.14	Handling	New slide function: the unit of dimension chains (m, cm, mm) can be changed globally - in the current slide or in the entire project.	7015
05.02.14	Other	The save date is stored when saving a project, it can be displayed with the replacement text "@SDate" in the plan seal.	6937
05.02.14	Plot	ZEICON 14 offers the possibility to automatically generate a PDF when saving a project. The settings such as paper size and selection of the port are changed in the user settings.	5588

Build	Module	Description	ID
05.02.14	Reinforcement	Reinforcement bar lengths greater than 300 m (helical reinforcement) are labeled correctly.	7196
05.02.14	Reinforcement	The dialog during the generation of reinforcement bar layouts now also offers the choice of counted / uncounted.	5594
05.02.14	Handling	The parameters "proportional", "pattern" and "inclination" are now handled correctly in the editing of the styles for the text parameters.	7102
05.02.14	Reinforcement	For reinforcement bar layout labelings with a fan line, the line is no longer drawn thru the text but is shortened if necessary.	7318
05.02.14	Reinforcement	Replacement texts @Steel list / @Mesh list in existing projects (prior ZEICON 13) are corrected when importing, so that the list keeps its position in the plan.	7103
05.02.14	Reinforcement	Parameter dialog <b>Reinforcement layout labeling</b> : The text shape selection is considered in the style definition.	7008

### Version 13.0

Build	Module	Description	ID
17.12.13	Interface	"New" reinforcement bar labeling texts are transferred correctly to DXF/DWG.	7338
02.09.13	Reinforcement	The replacement text "@Steel list" is now displayed by a text block. This can be identified in its entire extent and is displayed in full size when being moved.	7025
02.09.13	Reinforcement	The connecting line to a reinforcement laying labeling is now depending on the current placement of the text.	7007
02.09.13	Reinforcement	During and after moving the reinforcement laying labeling it is displayed correctly.	7006
23.07.13	Formwork	The change of color, line thickness and dashing of super polygons can now be undone.	6825
23.07.13	Formwork	<i>Mirrored edge columns</i> can now be copied.	6631
23.07.13	Plot	<i>Polygons with varying line widths</i> are now drawn correctly on <i>HPGL-Plotter</i> .	6784
23.07.13	Reinforcement	The new reinforcement bar laying labeling is now considered correctly in styles.	6849
04.07.13	Attributes	The deceleration of the screen layout of the attribute list has been fixed.	6853
04.07.13	Handling	The possible program termination when saving plans with walls has been corrected.	6850
04.07.13	Reinforcement	In the parameter dialog "reinforcement" it is possible again to select, whether all positions or only the counted positions are listed in the steel list.	6854
04.07.13	Reinforcement	The data files for the steel list thru RTreport (*.rtml) are being deleted after opening the report.	6632
06.06.13	Attributes	New replacement texts: @AttrList and @AttrList/d for total and single attribute list. These lists can also be <i>exported</i> (Export replacement texts).	6218
06.06.13	Attributes	The replacement text "@ConcreteVolume" is a special function for element slabs and therefore has been renamed to "@EDBConcreteVolume".	5986
06.06.13	General	Now, the <b>release notes</b> are available in <b>English</b> .	6461
06.06.13	General	Program modifications for the <b>compatibility with Windows 8</b> .	6376
06.06.13	Handling	The keyboard shortcuts are displayed the tooltips.	5589
06.06.13	Interface	The <i>BVBS-interface</i> now acts - concerning stagger reinforcement, bent legs and differing bending radiuses - corresponding to BVBS-Richtlinie " <i>Datenaustausch von Bewehrungsdaten</i> " <i>Version 2.0</i> from March 2000.	6132
06.06.13	Other	The setting for <i>nestled macros</i> (Macro-Macros) is now saved in the default settings.	6292
06.06.13	Other	<i>Inserted OLE objects</i> are saved with the complete path name.	5336



Build	Module	Description	ID
06.06.13	Reinforcement	With the positive parameter <i>Text shape</i> in the parameter dialog <i>Reinforcement-Laying-Labeling</i> the appearance of the position labeling of reinforcement layings is set. The text can be designed as desired by using the following shortcuts: @f Factor text (at the beginning: n*, at the end: *n) @p Position (if applicable with tag Circle, Square or Octagon) @n Amount (uncounted: Number in brackets „(n)“) @d Diameter (with diameter sign „Ød“) @t Partition (with slash „/“) @l Length (with preceding „L=“)	6545
06.06.13	Reinforcement	A new context function changes the diagonal of a bending mesh placed via the view.	6299
06.06.13	Reinforcement	Reinforcement bar bending shapes as wells as reinforcement mat bending shapes can be edited via the context function " <i>Move point</i> ".	6287
06.06.13	Reinforcement	The <i>steel list</i> and the <i>mesh list</i> can now be output via <b>RTreport</b> alternatively to the previous output via RTprint. RTreport is the future modern program with flexible setup options, e.g. of the font type and the configuration of the tables, for generating structural analysis reports.	6131
06.06.13	Reinforcement	The labeling has been changed for reinforcing steel. The steel grades are now called B500A, respectively, B500B in contrary to the former BStxxx. This is the case for reinforcing bars as wells as for meshes. The ZEICON delivery data has been extended accordingly.	6129
06.06.13	Reinforcement	A certain steel grade can be assigned to all bending shapes of one or all slides.	6113
06.06.13	Reinforcement	A new <i>replacement text</i> @Steel/a specifies the total amount of steel (bars and meshes).	5951
06.06.13	Reinforcement object	The perimeter of the MSB of the reinforcement objects is no longer being considered for the size of the plot paper and does not mask the contents of other MSB anymore.	5585
06.06.13	ZAC Variants	The ZAC-Variant <i>Insulation</i> has been adjusted to the scope of ZEICON 13. Saving default setups is now possible for all parameters of the variant. The selection of a destination folder for the insulation is possible. For a later change via the function "Change member" an input of a new start and end point is not enforced any longer. This can be done via the function "Select different position" if necessary.	6731
06.06.13	ZAC Variants	In the ZAC variant for the revision cloud the selection of the layers was limited in versions 11 and 12. This could lead to problems when loading the variant. The problem has been solved as of version 13 for any amount of layers.	6543
06.06.13	Dimensioning	" <i>Dimensions Angle, full</i> " shows <b>both angles</b> for non-parallel lines now.	6291
06.06.13	Handling	The sheet selection works correctly for several sheets with the same name.	6439
06.06.13	Other	The <i>replacement texts for the steel list and the mesh list</i> can now be arranged under any angle.	6296
06.06.13	Other	In the bending list of the bending meshes the entry #POS adopts the display of the bending shape (Octagon, circle, square) from the plot.	5950
06.06.13	Plot	For Windows-Plotters the specified margins are adopted correctly now.	6239
06.06.13	Reinforcement	The parameter <i>side of the contour display</i> is now saved in the default settings.	6297
06.06.13	Reinforcement	<i>Reinforcement quantities</i> over 32767 are dealt with correctly now.	5333