

Version 18.0

Build	Module	Description	ID
17.04.18	Calculation	The stabilizing factor in the DSG approach for the lateral shear behavior has been reduced to 10 % for quadratic elements. Improved results of the deformations can hereby be realized for wide elements. The distributions of the support reactions are also influenced by the modified deformation behavior and the adjusted distribution of the lateral shear stresses.	12350
17.04.18	User interface	The display of some components in the graphical user-interface has been adjusted, in order to consider the specified scaling in the display settings of the operating system.	12258
17.04.18	User interface	The user was not requested to save the changes when closing the application after the calculation of a modified model and thus the changes were lost.	12357

Version 17.0

Build	Module	Description	ID
28.08.17	Evaluation	The text size specified in the window "Line results" is now also used for the point supports.	11719
28.08.17	User interface	After calculating the stiffnesses of an elastic support, the spring constants were transferred without considering the specified support type (free, elastic, rigid). This could cause a misinterpretation of the support conditions. When leaving the dialog for the elastic supports via the "OK" button now, all support types of the corresponding support are set to "free".	11532
31.05.17	User interface	Generating the 3D view was made possible again.	11430
16.01.17	General	There were modifications made in the base package, which influence this program. For this, please read the release notes of RTbase.	10812
16.01.17	Input	When editing a temporary and unsaved project, the modifications were not always transferred correctly into the calculation.	9906
16.01.17	User interface	The support type "free" or "rigid" was not considered correctly in the calculation with an entered value of the elastic stiffness for the support condition "Displacement dz".	10799

Version 16.0

Build	Module	Description	ID
12.01.16	Calculation	Point loads are no longer considered as "Discontinuity" for the mesh generation. That is, at those points FE-nodes are not necessarily generated.	9359
12.01.16	Calculation	An option to consider the support dead load in the load transfer can now be ticked in the tab "Support" for line supports as well as point supports. This option is only available with a non-free support for the displacement in z-direction. The loads from the support dead load are not considered in the calculation of the slabs and can only be added automatically to the permanent loads as constant line load for walls or point loads for columns in the load transfer. The considered dead load is issued in the output document.	8737
12.01.16	Design	The shear load bearing capacities $V_{rd,max}/V_{ed}$ and $V_{rd,ct}/V_{ed}$ can be displayed in the isoline depiction of the results.	8853
12.01.16	Output document	The positions with an exceeded strut load bearing capacity ($V_{Rd,max}/V_{ed} < 1,0$) are marked with "*" in the tabular output of the design results.	8854
12.01.16	User interface	The automatically calculated dimensions of the finite elements were reduced by the factor 1,5.	9083
12.01.16	User interface	The display of the system in the 3D view after the calculation can easily be varied between plan view (F5), front view (F6), lateral view (F7) or isometry (F8) for a better verification of the FE mesh and the deformations.	8963
12.01.16	User interface	The change of the standard has not always been saved properly since version 15.0 29052015.	9416

Version 15.0

Build	Module	Description	ID
03.11.15	Calculation	For slabs without live loads the program terminated when generating the numerical output of the deformations for individual load cases.	9362
03.11.15	Output document	The graphic overview of the support forces was not issued for locally supported slabs.	9119
29.05.15	Input	In the dialog "Settings slab -> Bending design" the newly entered values for the center distance were not always transferred correctly.	9080
29.05.15	Input	The entered value of the free area load was needlessly rounded up for the global length unit "mm".	9078
29.05.15	Output document	The support reactions for the load case combinations were only issued numerically, if the individual load cases have also been selected. Unnecessary empty pages due to a not existing line support are no longer issued.	9079
16.01.15	Evaluation	The partial safety factors for the used materials are issued in the protocol.	8364
16.01.15	Evaluation	The font size for the numerical output of the As-values can now be entered without any restrictions.	8308
16.01.15	General	A thumbnail, which displays the position drawing, is generated for newly saved files. These can be displayed in the windows explorer by switching to "large icons". Saving of the thumbnail can be deactivated in the dialog "project info" from the menu "File".	8567
16.01.15	General	A live load category according to standard can be specified in the dialog "Options" for all variable loads. The category is considered when generating the combinations and is issued in the record together with the combination coefficients.	8298
16.01.15	Input	The reinforcement direction can be entered between 0° and 360° when setting up the parameters for the bending design.	8302
16.01.15	Input	Is the centroid of a variable load outside a slab and it can therefore not be assigned to a load case, a warning is issued with the specification of the load centroid position.	8197
16.01.15	Output document	Unnecessary paginations in the section "Support reactions" were removed in the output list. The height of the dead range has been reduced in the diagrams of the support forces and the beam stress resultants.	8300
16.01.15	User interface	The entire graphical display has been improved by limiting the visible recalculation (flickering) of the view in the program windows.	8568
16.01.15	User interface	The vertex coordinates of the slabs can be edited in the dialog. This functionality is accessible via the context menu by right-clicking close to a vertex point of a selected slab. Only the clicked point is edited for polygonal slabs. The entire geometry is modified for rectangular slabs, so that it remains rectangular.	8304
16.01.15	Input	After cancelling the input of some object types (e.g. loads, columns, walls), the corresponding property dialog was not closed automatically.	8636
16.01.15	Output document	If there was a comma in the project name, no pictures were displayed in the result lists with RTconfig.	8452
16.01.15	Output document	If there were a lot of images in the result list, the scrolling speed in RTconfig became very slow.	8303

Version 14.0

Build	Module	Description	ID
12.01.15	Evaluation	The sum of the support forces is only calculated for the basic load cases (Dead load and live loads) in the view of the line results. The value refers to the equilibrium check in the FE calculation.	8663
12.01.15	Evaluation	In some cases, the distribution of the line support forces was not displayed correctly. The hence incorrectly calculated wall resultant caused an incorrect value for the sum of the support forces in the view of the line results.	8662
12.01.15	Input	The elastic support of a slab with freely defined walls has indeed been loaded, but could not be displayed. The input of new elastic supports is now possible again.	8661
12.01.15	Output document	The drawing "Overview of the support forces" has been cut off at the edges.	8674
10.12.14	Evaluation	In some cases, the support loads were not displayed over the entire length of the wall and the wall resultant was calculated incorrectly.	8621
26.11.14	Calculation	By a modification in the calculation core in Version 14.0 Build 01102014, point and line supports as well as point loads with a <i>local orientation</i> were always calculated in the global coordinate system.	8572
01.10.14	Input	The local coordinate system of the line loads was not correctly considered for the moment loading.	8418
17.06.14	Interface	The interface of the reinforcement transfer to Allplan NEMETSCHKEK has been updated to version 5.0. Additionally, now also the shear reinforcement and the shear force capacity of area elements is being transferred.	7152
15.01.14	Calculation	The soil pressures are now also superimposed in the design as well as in the quasi-permanent combination and are available as result value.	7440
15.01.14	Input	The editing possibilities in the selection of several objects has been extended. The context menu now offers the options "Copy" and "Delete" in addition to "Move".	7238
15.01.14	Output document	The setting for the line results in the output document is transferred from the result view.	7285
15.01.14	User interface	The configuration for enabling/disabling the grid and the rulers is saved in the project and can also be saved as user setting.	7097
15.01.14	User interface	The characteristic combination for the slab stress resultants is not generated and can no longer be selected in the view of the isoline results.	7066
15.01.14	Output document	A new section is only added for the load case in the graphical output of the slab stress resultants, if at least one result value was selected in the tab "Slab stress resultants" of the dialog "Adjust output".	7359

Version 13.0

Build	Module	Description	ID
18.12.13	User interface	The right and the bottom margin of the graphic were covered in the printout of the isoline and line results, although the view itself has been displayed correctly.	7314
11.10.13	User interface	The lateral view of the isolines is also displayed correctly for the structure in the negative drawing area.	7191
20.09.13	Analysis	The superpositions have been extended with the quasi-permanent situation, which is automatically generated during the calculation. The results can be issued in the printout.	5944
20.09.13	Calculation	The construction options have been extended. Now, cantilevered beams and beams longer than the slab which are additionally supported can be calculated and their stress resultants can be determined.	7056
20.09.13	Design	Now, the glass fiber reinforced plastic reinforcement (GRP reinforcement) can be selected from the material database. The design is then carried out with the corresponding material parameters.	6221

Build	Module	Description	ID
20.09.13	Design	The dialog for setting the slab properties contains the new tab "shear design" where further parameters for the shear design can be specified. The minimum shear reinforcement, its angle or the strut inclination can be specified. Additionally, the position of the shear joint in relation to the upper edge of the cross-section can be defined. This enables, e.g., the modelling of filigree slabs. Required parameters for the design are the surface conditions of the joint, the inclination of the reinforcement and possibly a different steel quality. The additional reinforcement from the shear design can be displayed as isolines or the numerical values are output.	6220
20.09.13	Evaluation	The labeling of the recesses can be switched on / off. This option is located in the dialog "View" -> "Display" in the tab "Slab".	5382
20.09.13	General	When closing the project it is being checked, whether the data differs from the last saved condition. The user is requested to save the file only if changes have been made.	7094
20.09.13	Output document	The views (if any have been defined by the user) are considered in the graphical output of the support reactions and thus the overview of the support forces can be divided into several illustrations.	7108
20.09.13	Output document	The control of the output has been revised. The tab "Results" received a matrix structure. It is possible to specify which results are to be shown for which load case, respectively, for which load superposition. Here, a graphical as well as numerical depiction is possible. The options of the graphical output thus include almost all combinations, that are available in the direct output in the isolines and line results window. A new tab has been added for the selection of the slab stress resultants.	5259
20.09.13	Output document	The support forces in the point supports are being superpositioned and can be issued numerically in the printout.	5258
20.09.13	User interface	The handling of the graphical user interface has been improved. Now, the zoom function is relative to the mouse pointer. Additionally, the display section can be moved with pushed down mouse wheel (Panning).	7055
20.09.13	User interface	The legend of the isolines has been extended with the load case labeling.	5420
20.09.13	User interface	The settings of the plot output now also refer to the isolines and the line results. Therefore, the window can be printed either to scale or full format via the page view. Usually the scale is printed for all views (if this was set).	5419
20.09.13	User interface	The data from the load transfer can now be deleted. The correspondent option is in the menu "options".	5110
20.09.13	Analyses	The results of the shear design were deleted after the punching analysis.	5140
20.09.13	Evaluation	The graphical output of the deformations has been revised. The deformations of a load case or of a load case combination can either be printed directly via the page view or with the right settings in the plot output.	5112
20.09.13	Output document	The beam stress resultants for the superposition load cases are now issued correctly in the printout.	7090
20.09.13	Output document	The units of the beam stress resultants are now issued correctly in the graphical output.	5461
20.09.13	Output document	For a slab where no bottom reinforcement result from the design (e.g. bottom plate), the top reinforcement hasn't been shown in the numerical display.	5413
20.09.13	User interface	If several views have been opened via the menu "Window" -> "New window", the program no longer terminates after closing one window when saving the file.	7089
20.09.13	User interface	The line results are now issued with a legend, which contains information about the result value, the load case and the minimum and maximum values. For the support force in z-direction the sum is calculated additionally. The graphic display has been improved and the general view can be printed to scale or size filling via the menu "File" -> "Page view".	7082
20.09.13	User interface	Independent of the plot settings, the caption is displayed correctly in the lateral view of isolines and line results.	6219
26.03.13	General	Now, the release notes are available in English .	6464
26.03.13	General	Program modifications for the compatibility with Windows 8 .	6380