

Release Notes

Basic installation



Version 18.0

Build	Module	Description	ID
24.04.18	General	The database of the load macro types has been extended by the contact area for point loads. Hereby a load distribution under an angle of 45° up to the neutral axis of the bearing deck is enabled.	11277

Version 17.0

Build	Module	Description	ID
10.04.17	General	The installations of the programs via the RIBTEC setup (Installation Wizard) can now be carried out in the background . The messages of the windows installer are hereby suppressed and an uninterrupted working with other applications is possible during the installation of the programs.	11266
10.04.17	General	Modifications in the installation behavior of the base module in connection with the AutoUpdate for mixed installations of RIBTEC and abacus programs. All types of installations are now possible, only a single-user installation in combination with a client installation of a client/server solution is not supported due to technical reasons.	11219
15.02.17	General	The prestressing method database has been extended with the single strands of DSI.	11009
16.01.17	General	Update of the section database The section series of the <i>Celsius</i> and <i>Hybox hollow sections</i> with square, rectangular and circular cross-sections were added to the database with their standard sections.	10330
16.01.17	General	In the material database, the limitation of the reinforcing steel strain to 10mm/m has been abrogated for the reinforcing bars and been set to 25mm/m for the steel qualities B500S and B550S as well as to 50mm/m for SAS 670.	9941
16.01.17	General	Update of the material database The steel types for <i>hot-rolled sheet piles according to DIN EN 1993-5</i> have been added to the material database.	6901
16.01.17	RTreport	The document can now be viewed in the print preview, which displays the complete pages including header and footer.	9488
16.01.17	RTreport	The last window size and window position are now restored when opening.	9433
16.01.17	RTreport	After a recalculation, the document is opened at the position of the previously selected entry.	9372
16.01.17	General	Program maintenance and support	10783

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Version 16.0

Build	Module	Description	ID
19.10.16	General	Extension of the installation with the system files for VisualStudio2013.	10405
12.07.16	General	Program maintenance and support	9939
15.06.16	RTviewer	The anchorage point of the ZAC menu is at the <i>top left</i> and no longer centered at the first call-up.	9728
24.02.16	General	Extension of the material database of the timber materials with Kerto (laminated veneer lumber). With this, the design of girders made of <i>Kerto-S</i> (slabs and shells) is enabled.	9682
24.02.16	General	Extension of the material database of the timber materials with BauBuche (laminated veneer lumber). With this, the design of girders made of <i>BauBuche GL70</i> (flat edge and on edge) as well as the calculation of slabs and shells with <i>BauBuche-S</i> is enabled.	9582
24.02.16	RTviewer	<ul style="list-style-type: none"> • <i>Default settings</i> of the RTviewer are loaded from the directory: RTviewer/instpro • <i>Default settings</i> can only be stored in the user directory • The drawing can also be saved as <i>ZEICON file</i> (*.zdb) via "Save as" 	9686
11.02.16	General	Adjustment of the applicable calculation values for laminated timber according to DIN EN 14080:2013 in the material database .	9646
11.02.16	General	The nominal diameters for the stressing bed methods <i>Backaert</i> and <i>Mittal</i> have been initialized with the appropriate default values in the database of the prestressing methods .	9601
11.02.16	RTreport	The export of the document into a *.rtf file is possible. For this, an installed version of <i>Microsoft Word</i> is required.	9644
11.02.16	General	In the database of the prestressing methods the strand types and strand surfaces were adjusted for the <i>stressing bed</i> methods.	9649
11.02.16	General	Correction of the strain coefficient eps_c1 to -2.9 mm/m for ultra high-strength concretes C100/115 and C140/160 in the material database .	9645
11.02.16	General	Database of the standard depending coefficients The partial safety factor gam.sup for uniformly distributed traffic loads (gr1) has been increased from 1.35 to 1.50.	9639
14.01.16	General	Program modifications for the compatibility with Windows 10 .	9516
14.01.16	RTreport	In the zoomed single or double page view, a section selected in the tree view is now displayed directly.	9441

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Version 15.0

Build	Module	Description	ID
30.11.15	RTreport	A reinforcement table can be shown.	9391
30.11.15	RTreport	RTreport does not create default directories on start-up, if the directories are given in the registry.	9390
30.11.15	RTreport	The scrolling was improved to first scroll the content of a page before turning to the next.	9388
30.11.15	RTreport	Editing the style sheet is now also possible without a *.rtml-file (= result list).	9054
30.11.15	RTreport	The table filters "abs max" and "abs min" were corrected.	9389
30.11.15	RTreport	The last setting of the preview (single page, 2 pages or scrolling) is now restored when opening RTreport again.	9132
23.07.15	RTviewer	The context functions "Edit component", "Break down component", "Delete component" and "Element info" can now be used with all ZAC elements.	9008
05.06.15	RTreport	The page, which had been displayed before the print, is displayed again after printing. This affects the page view as well as the 2-page-view.	9069
05.06.15	RTreport	Scrolling with PageDown and PageUp in the page view does not go to the next page, but moves step by step on the displayed page. Scrolling with ArrowDown and ArrowUp in the page view and with the mouse has the same behavior, but with smaller steps.	9063
05.06.15	RTreport	Paginations and XPS references are being displayed in the preview again.	9052
22.04.15	RTreport	Loading of very large documents could be significantly speeded up.	8942
18.03.15	General	The position of the vertical index is usually turned on newer computers for programs with older frameworks (RTool, RTbeam, etc.). This orientation is now reversed by default.	8756
18.03.15	General	A correspondent desktop icon is added as a replacement for the previously available start menu entry RIB structural engineering from Windows operating system versions 8.0. This link ensures the easy access to documentations, examples and program versions again. This icon can be attached as tile to the start screen of the Windows 8 surface by right-clicking onto the desktop icon and selecting the function Pin to "Start" .	8625
18.03.15	General	The following hollow sections (cold-rolled) according to EN 10219 have been added: Rectangular hollow section: <ul style="list-style-type: none"> • 100x40x3 • 100x40x4 • 120x40x3 • 120x40x4 • 120x40x5 Square hollow section: <ul style="list-style-type: none"> • 150x6 	8580
18.03.15	General	The new load case attribute Snow (1000m a.s.l.) has been added.	8498
18.03.15	General	The new load case attribute Crane gantry load with the excluding type of action effect <i>Crane gantry</i> has been implemented for building construction.	8072
18.03.15	General	Automatic updates of the program versions With the new functionality of <i>automatic updates</i> you can keep your RIBTEC/abacus programs up to date. The program supports you in downloading and installing the appropriate installation packages. This feature is automatically installed with the base package and after the next registration of the user it is automatically being checked, whether there are newer program versions of the installed and / or licensed RIB structural engineering products available. These can selectively be downloaded and installed afterwards.	7024
18.03.15	RTreport	The page numbering can be extended by texts placed before or behind, as well as by a user-defined first page number.	8773

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Build	Module	Description	ID
18.03.15	RTreport	Placeholder fields can be used in user-defined texts. The place holder fields are specified individually for every program. Available are among others: <ul style="list-style-type: none"> • %ProjectKey% : Job number • %ProjectName% : Name • %ProjectDescription%:Description • %ProjectAddress% : Adress • %ProjectPosition% : Position • %ProjectMember% : Member • %InputPath% : Input directory of the calculation program • %InputFile% : Input file name of the calculation program • %Standard% : Used standards 	8772
18.03.15	RTreport	The preview of the document can now be zoomed in and out.	8771
18.03.15	RTreport	A filter entry can be linked to the next one with AND or OR. Several filter entries can be assigned to a table column.	7225
18.03.15	General	The *.emf images embedded in the docx files have scalings, which are being ignored by Word when saving a PDF. Since these drawings are displayed correctly (with the right dimensions) in the Word document, this can be considered an error in the PDF storage of Microsoft Word. In the case of *.emf images that have been generated with RTgrafix, a workaround for the Word error has been found. The scaling for each figure element is applied directly now in order to bypass the error.	7429
20.11.14	General	The prestressing database has been extended with the up-to-date BBV strand tendons (L3-L31).	8388
20.11.14	General	The prestressing database contains the nominal diameters of the strands for stressing bed prestressing.	8073
20.11.14	RTreport	The application has been enhanced by several shortcut keys: <ul style="list-style-type: none"> • Ctrl+O: Opens a file • Ctrl+S: Saves the user modifications • Ctrl+Shift+S: Archives the report • Ctrl+Z: Undo • Ctrl+Y: Redo • Ctrl+Q: Exits the program The menus have been provided with shortcut keys.	8486
20.11.14	RTreport	The export of tables and position frames to *.xlsx files has been optimized.	8485
20.11.14	RTreport	Further filters were added to the table: <ul style="list-style-type: none"> • Maximum (max) • Minimum (min) • Absolute value maximum (abs max) • Absolute value minimum (abs min) 	8484
20.11.14	RTreport	The tree view has been extended with the following functions: <ul style="list-style-type: none"> • default extent of drop-down • monitoring element to open tree view completely • monitoring element to close tree view completely • monitoring element to open another level completely • monitoring element to close a level completely • width of the tree view is also available again after a program restart 	8482
20.11.14	RTreport	Additional stylistic elements were introduced: <ul style="list-style-type: none"> • possibility of the accentuation of table entries by making them bold • possibility of the accentuation of layout elements by setting a background and foreground color. Background and foreground color can be user-defined. • own header style for listings (static table). The style can be adjusted by the user. • new style with a smaller font size for tables with many columns. The style can be adjusted by the user. 	8481
20.11.14	Output document	If there was a comma in the project name, no pictures were displayed in the result lists with RTconfig.	8453

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Version 14.0

Build	Module	Description	ID
03.09.14	General	The characteristic material coefficients for the shear strength $f_{v,k}$ of laminated timber have been adjusted to section 3.3 (NA.10) of DIN EN 1995-1-1/NA, issue 08/2013.	8356
03.09.14	General	For the reinforced concrete design of reinforcement out of glass fiber reinforced plastic (GRP), the <i>reinforcement material HFR by HALFEN is no longer available</i> . The development of the product HFR has been suspended by HALFEN for an unknown time.	7818
03.09.14	General	The partial safety factors γ_{M0} for the design resistance of <i>steel cross-sections</i> have been adjusted for EN 1993-1-1.	8357
03.09.14	General	The settings for the superposition of the load case attributes, which regard earth pressure, were changed.	8355
03.09.14	General	The fp0,1,k-values of the prestressing steels according to CSN EN were conformed to the values of the basic standard EN in the material database.	7616
03.09.14	RTconfig	With the special CZ additional characters it could happen, that the drawings in the result list were not generated or were not transferred to RTprint.	7819
03.09.14	RTreport	EMF pictures with embedded bitmaps can now be processed.	7851
10.01.14	General	The catalogue for flat reinforcement meshes has been extended with the series KA, KD, KH and KY which are common in CZ and SK.	7466
10.01.14	Navigator	The output (RTprint or RTconfig) as selected by the user is used for the display of the result lists from the TRIMAS-Navigator . Up to now, the results lists could only be opened with RTprint.	7443
10.01.14	Navigator	If the 32-bit version is selected in the TRIMAS Navigator, but only the 64-bit version has been installed, no programs (Input, calculation or graphical evaluation) could be started. It is now checked, whether the corresponding programs for the selected version have been installed - if necessary, the version will be adjusted automatically.	7442
10.01.14	RTprint	The file selection under <i>RTprint > Options > Default layout > Search</i> could not be opened in 64-bit operating systems.	5287

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Version 13.0

Build	Module	Description	ID
16.09.13	General	The partial safety factors for the design situation accidental earthquake have been adjusted.	7088
04.07.13	RTprint	The setup of the default layout is possible again. Select the folder, respectively, the file via the "search" button.	6616
06.06.13	General	Update and upgrading of the profile table for circular hollow sections according to <i>DIN EN 10210-2</i> (hot-rolled, seamless or welded) and <i>DIN EN 10219-2</i> (cold rolled, welded).	6481
06.06.13	General	Now, the release notes are available in English .	6465
06.06.13	General	Update of server installations via individual msi-files Updating the product codes and upgrade codes with the available msi-files does no longer have to be done by dragging the InstallationWizard.xml-files onto the ConfigInstallationWizard.exe, but by double-clicking the ConfigInstallationWizard.	6341
06.06.13	General	Deinstallation Via <i>System control Programs and Functions</i> all programs can be uninstalled individually or as a whole via the entry RIB Structural Engineering . Here, there is an additional request whether really all programs of RIB structural engineering should be uninstalled. When cancelling an initiated uninstillation of a product, the entire uninstillation is cancelled.	6340
06.06.13	General	Installation It is checked with the installation of the products via the InstallationWizard , for which program version a current licence is installed. <ul style="list-style-type: none"> • New product versions, for which a current licence is available, are selected for the installation by the program. • Is there <i>no licence</i> or <i>no valid licence for the program version</i> to be installed, then there is no selection and this fact is explicitly pointed out before the installation. • Regardless, all products can be selected or deselected for the installation by the user. 	6339
06.06.13	General	Program modifications for the compatibility with Windows 8 .	6093
06.06.13	General	The documentation of the program applications is now installed in a file folder , which can be accessed via a call-up of the start menu - "All programs RIB RIB structural engineering Documentation".	4764
06.06.13	RTnew	When starting RTnew via <i>New RIBTEC - Input position</i> , all templates will be offered that are saved in the template directory and its sub-directories.	6583
06.06.13	General	Correction of the tensile strength for steel S355 in the material data base for EN 1993-1-1 to $f_u = 490 \text{ N/mm}^2$ for thicknesses $< 40\text{mm}$.	6492