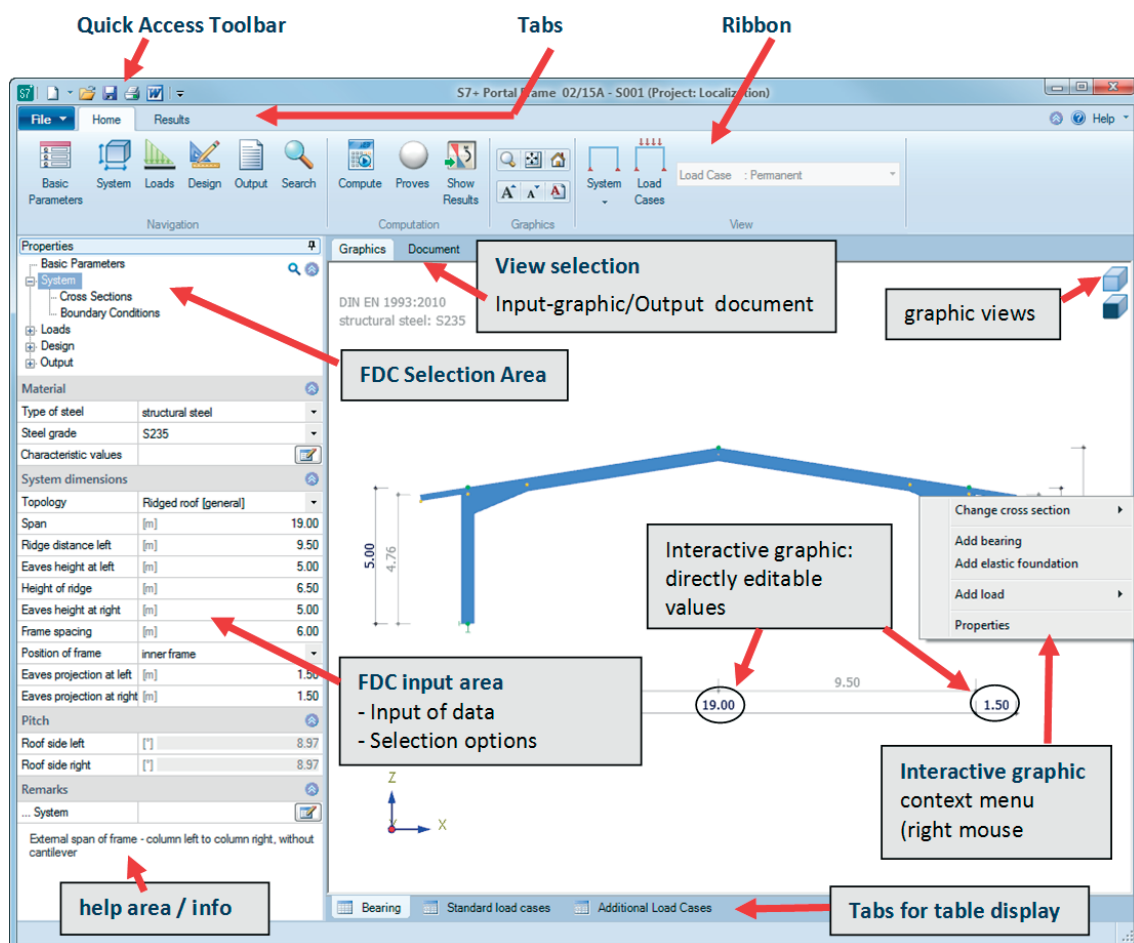


Basic Operating Instructions-PLUS (Ribbon layout)

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Basic operating instructions-PLUS (ribbon layout)

This manual describes the general basic operation of the new "PLUS" programs of FRILO.
The PLUS programs are characterized by a "+" - in character after the program code (eg S9 +).

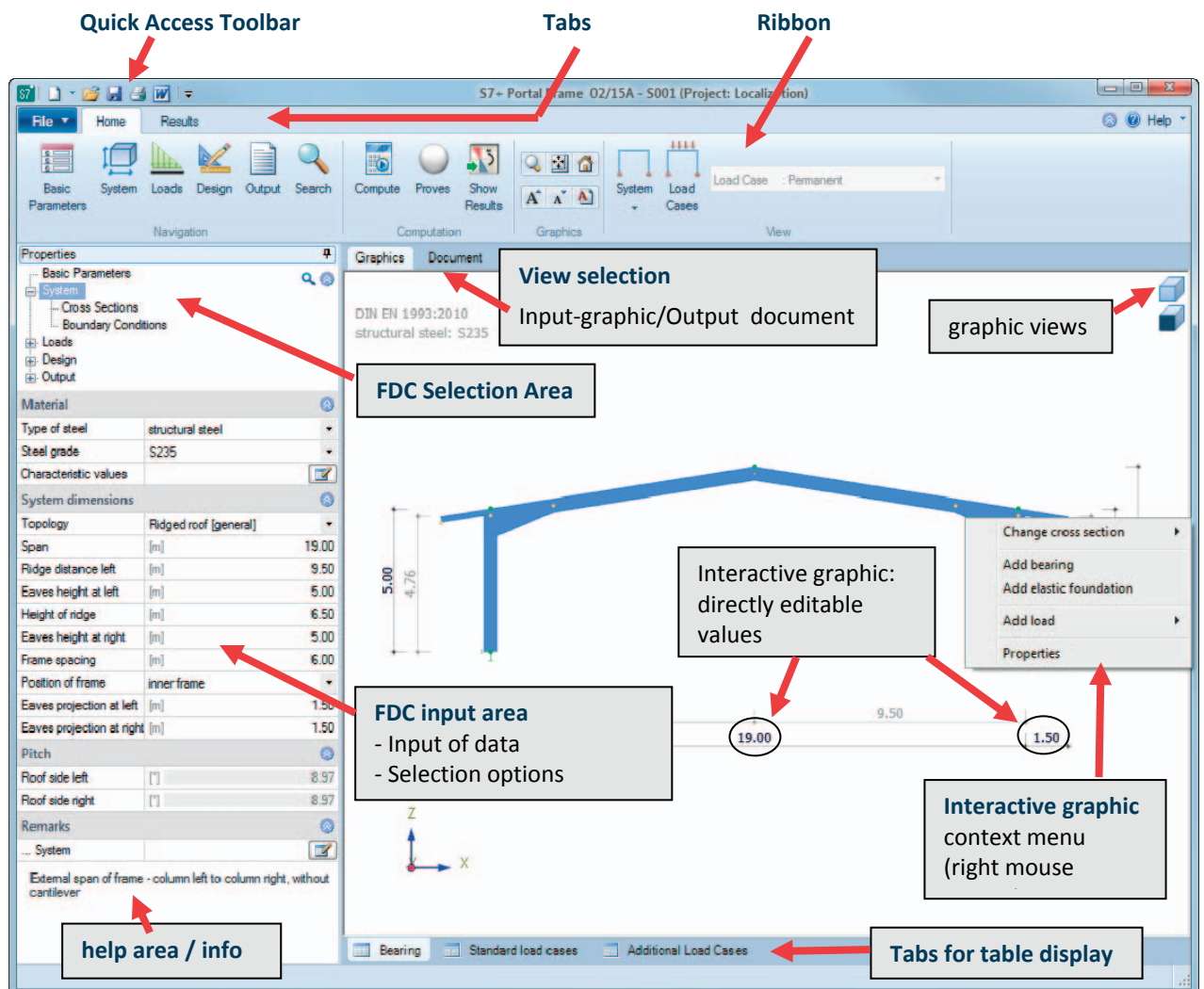
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User interface

The central elements of the new PLUS programs are:

- selection and input area
- Interactive graphic area
- Wizard
- Ribbon (multi-function toolbar)
- Output document (View selection)



Selection area / Input area


The area where the user defines the system is referred to as FDC area. In this section, you can enter system and geometry data, check or uncheck options, make selections in lists etc. In short, you can enter and control your data, hence the name FDC - Frilo.Data.Control.

The selection area allows you to activate the corresponding sections in the input area.

“+” symbol: expands the main item.

The FDC input area offers data input fields as well as options and selection lists.

Individual definition options not frequently needed are often arranged in sections that are collapsed by default to provide a better overview and comply with space restrictions. You can expand these menus

by clicking on the  symbol.

Descriptive notes or other information concerning the respective input are displayed in the help & information area.

Interactive graphic area

In addition to the customary definition options in the FDC area, you can also enter particular values in the graphical user interface and edit them there. The GUI is not intended to replace the definition via the menus of the FDC area, but it allows you to edit dimensional data on the spot by simply clicking onto the corresponding value.

See also [Interactive-Grafic – Input options](#).

Wizard

The initial input of an item is the fastest with the wizard

Only the most important, basic system data is queried in a compact form.

Then you can compute this basic system and afterwards you can set up the details.

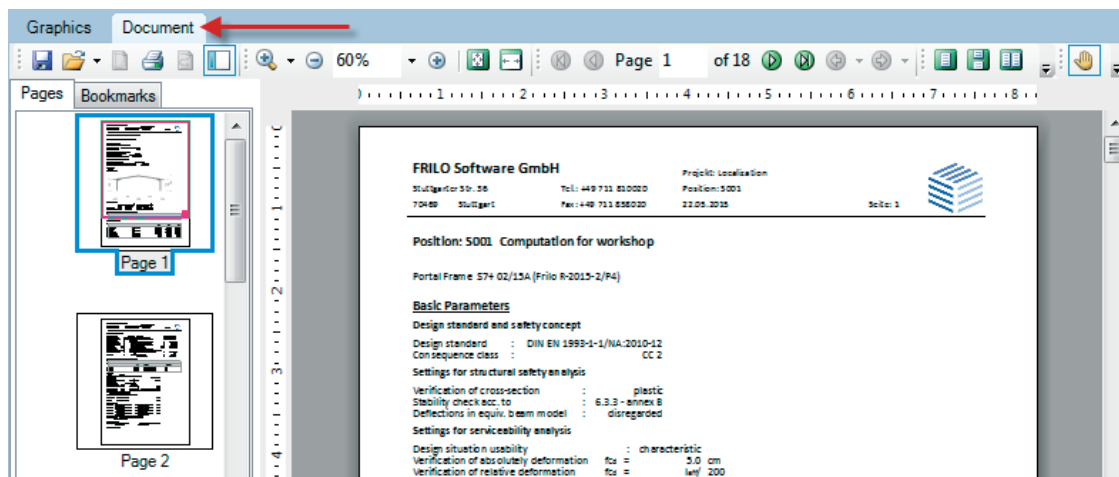
How to disable the wizard: option in the wizard window or ▶ File ▶ [Program options](#).

View selection

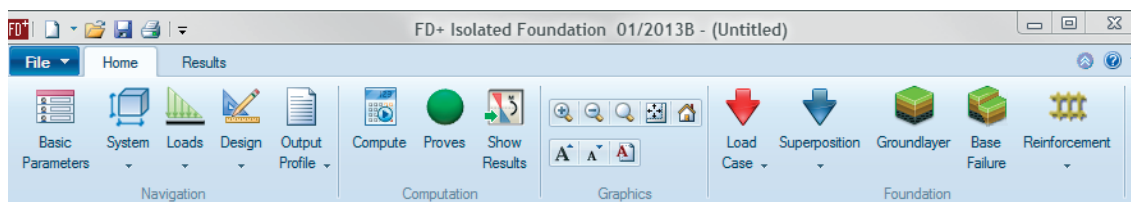
Graphic /Document tab: switch between input mode (graphic window) and the output preview (PDF).

Document If you click on this tab, the recalculation of the system is automatically started and the output document will be displayed.

Note: if you click in the input area the input mode (graphic) will be activated automatically.



Multi-function toolbar (ribbon)



The multi-function toolbar referred to as ribbon was introduced by Microsoft in the Microsoft Office 2007 version.

It is characterised by an operating concept that combines the control via menu items with buttons of a toolbar.

Instead of menu items or menu bars, tabs such as

- [File](#),
- [Home](#) or
- [Results](#)

are available.

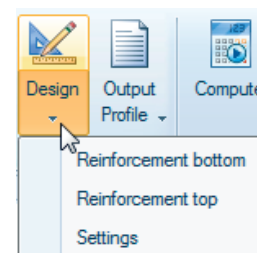
A click on one of these tab options displays the associated function buttons (below), which are arranged in command groups in view of the task to be accomplished.

Split Buttons

By clicking on the small buttons with the ▼ symbol, you can display additional functions.

This is a typical control of new Microsoft interfaces, but in FRILO Programs it is only used in a few cases.

If you click on the upper half of the symbol, the standard function is called up. The lower half of the icon will become a selection list with more functions displayed.

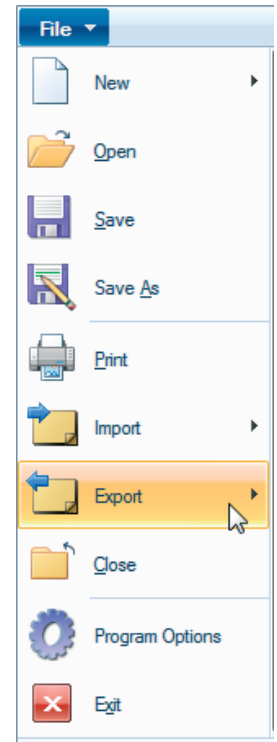


File tab

The general functions of this tab are described in the document "[FDC Menu Items](#)".

Program options

- Windows Layout resets the window settings and restores the default state.
- New Item when setting up a new item, a wizard supporting the user in the basic definition is launched by default. You can optionally disable the wizard.
You can also disable the automatic computation which is launched each time you enter or edit a value. Disabling is recommended when you are using a slow computer.
- Graphics allows you to manage and edit the colour settings. This general function is described in the document "[FDC Menu Items](#)".
- Units allows you to configure/edit the units/measures (mm, cm, m, kg, kN ...) used in the software.



Home tab

Navigation

The available functions correspond to the menu items in the [FDC section](#).

Calculation

Check button:

The button in the multi-function bar (calculation group) indicates with different traffic light colours whether the verifications have been successful.



- Gray indicates that the system is "not yet calculated".
- Green indicates that all verifications have been successful.
- Yellow indicates that permissible values have been exceeded or constructive problems have occurred.
- Red indicates that the verifications of the bearing capacity are not met.

By moving the mouse cursor over the traffic light button, a tool tip with the most important utilizations is displayed. Clicking on the button displays a window that shows tips concerning exceeded limits and warning notes in the corresponding situations.

Graphical representation

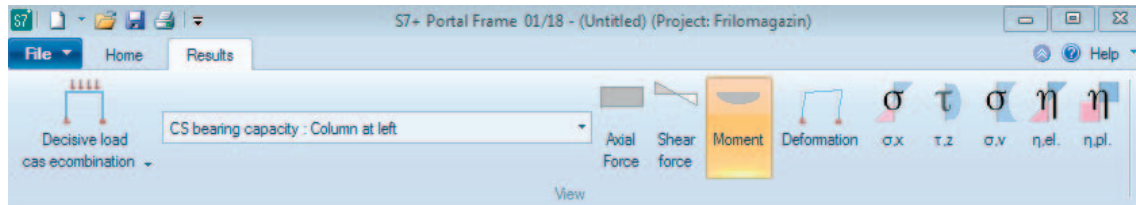
The options for the graphical representations are explained by the tool tips (move the mouse cursor over a button and wait a short time until the tip is displayed).

Other tabs

Other tabs such as Results etc. are described in the corresponding application-specific documentation (manual).

Results

The Results tab displays the functions for displaying the result graphics. You can display the explanation of the individual functions as a tooltip (briefly persisting with the mouse). If separate explanations are necessary, they are described in the manual for the respective program.



Quick access toolbar

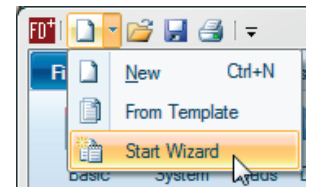
The button left to the expanding arrow allows you to set up/open a new item.

This function is also accessible via the File tab.

New sets up a new item using the standard template.

From template sets up a new item using a previously saved template.

Start wizard sets up a new item with the help of a [wizard](#).



The toolbar offers additional buttons providing quick access to general functions such as Open, Save and Print.

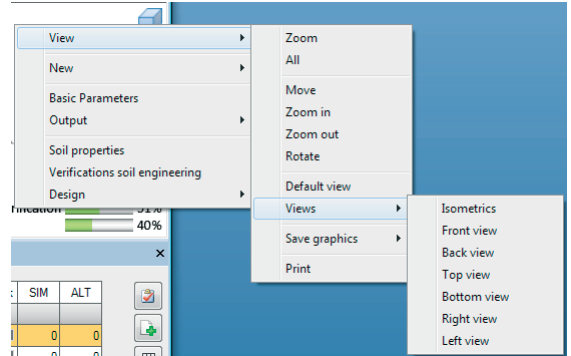
You can display and hide the multi-function toolbar via the selection list on the right.

Interactive-Graphic – Input options

Note: *The input options in the 3D-graphic window are not intended as a complete replacement for the entry on the menu in the [FDC area](#) –but they are a useful complement to an effective entry.*

Context menu

The context-sensitive menu (see right) offers a number of useful program-specific auxiliary functions. Click with the right mouse button in the graphics window.

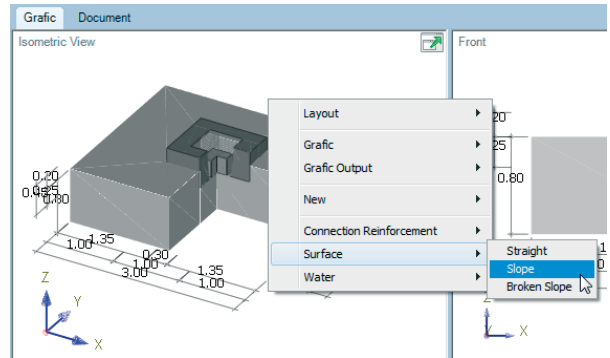


Context menu of single elements

When moving the mouse over the different elements in the drawing the mouse pointer changes his style and the element will be marked in a different color.

When right-clicking the appropriate context menu appears - or a "Properties" button. With the "Properties" button you can display the corresponding input fields as popup.

If elements lie one behind the other, they can be selected by turning the mouse wheel.

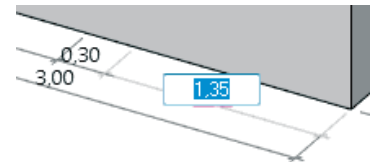


Tooltips

When holding the mouse cursor over individual graphical elements tooltips will show up.

Entry of values

Input fields are activated by clicking on the respective value. Example: The dimension is interactive, that is you can click on a measure and then change the value. The change is immediately visible in the "normal" FDC input area.



Note: *For showing a specific input section In the FDC input area, you can click the corresponding element in the graph.*

Zoom, move, 3D-rotation

Use the mouse wheel for zooming in and out.

Move the picture by pressing the right and left mouse button and moving the mouse.

For 3D-rotation hold down the right mouse button and move the mouse.

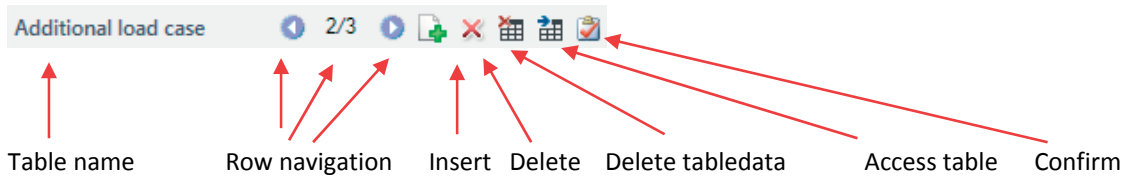
Data entry via tables - alternatives

For the entry of data represented in tables, the following options are available. The load case table is taken as an example to demonstrate the options.

1. Accessing tables via the table button (or the corresponding tab in the graphic window) and entering data directly in the table cells.
2. Entering data in input fields in the FDC area by accessing the individual rows of a table via the table toolbar.

Note: You can also alternate between the two methods of entering your data.

The functions of the table toolbar demonstrated by the example of the load case table:



2/3

indicates the row number: The first number indicates the currently active row, the second one the total number of rows.



jumps to the next row upwards: the previous row is enabled and the values are displayed in the corresponding cells.



jumps to the next row downwards: the following row is enabled and the values are displayed in the corresponding cells.



inserts a new (empty) row below the currently active one.



deletes the currently active row.



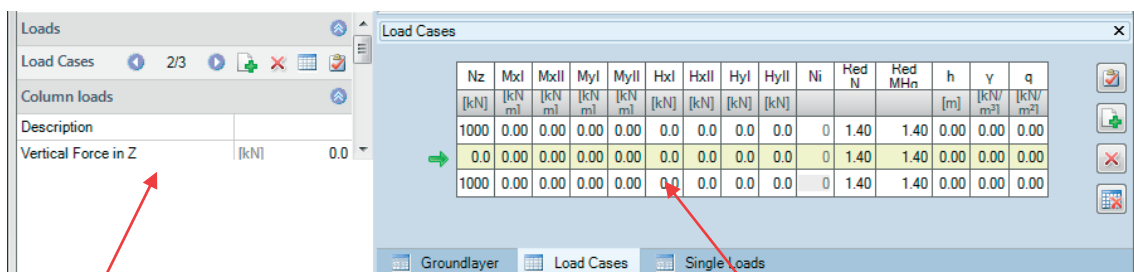
delete the entire table contents.



accesses the table, which is displayed in a traditional way and you can enter values directly in the cells.



confirms the entered values.



FDC section showing the values of the currently active table row.

Representation in form of a table (accessible via the table button or the corresponding tab).