FRILO

Select/Edit Cross Section

Contents

Note on the units / dimensions

The units in the cross section selection are defined in the respective program via File - Program options - "Configure units".

General remarks

- The cross-section dialog is adapted for the respective program and may differ slightly from the dialogs shown here - but the functions are basically the same.

- With some plus programs, hotkeys / quick selection keys can also be used - the hotkeys are "underlined" in the dialog. Example: P - Call up the profile type, press the "p" key.

- From release 2024-1, the extended interface/operation of the program Steel cross-sections general QS+ will also be used for some programs. Data is no longer stored as an SQL database file but as an XML file.

Select / define cross-section

This dialog will be used in several FRILO-PLUS-steel-programs in an adjusted version.
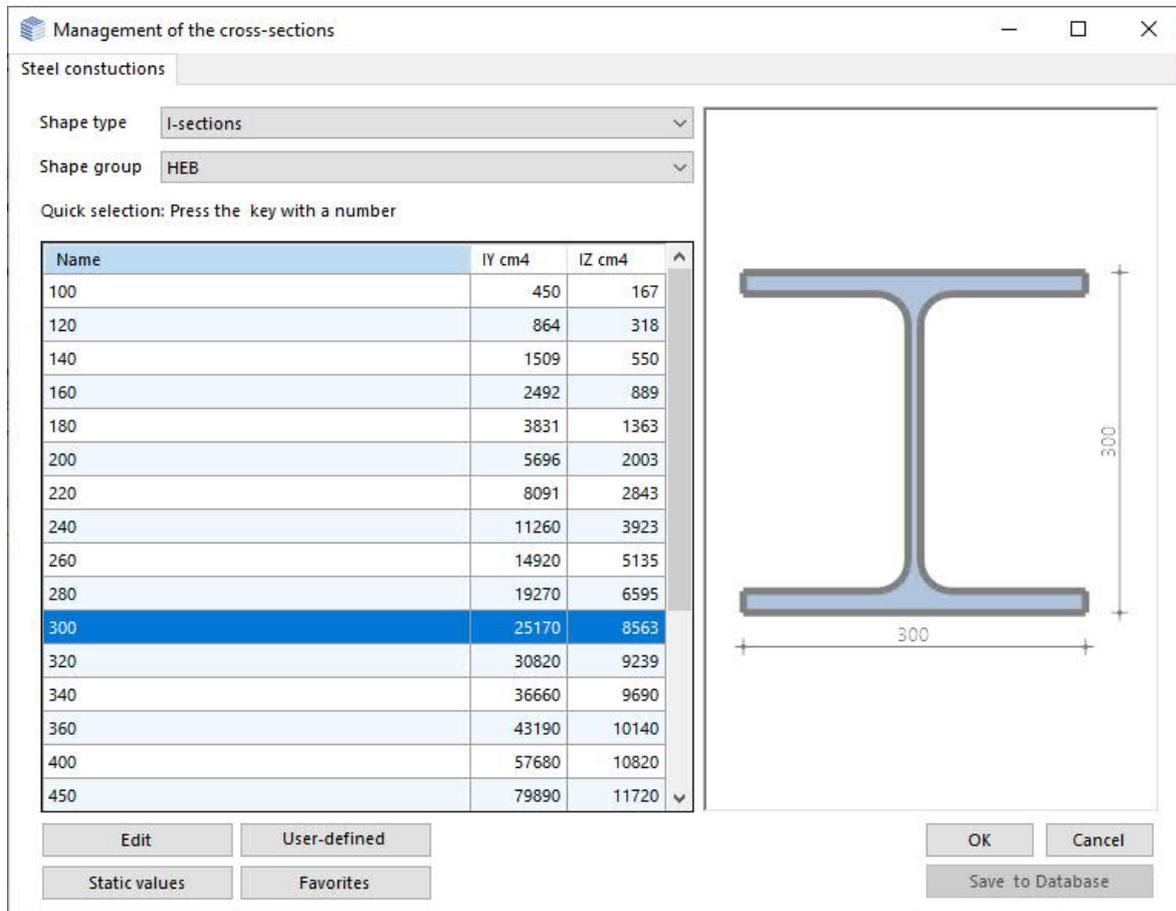
Abb: Cross section dialog

In the left window-area choose one of the available cross sections

- Via "Shape type" you select (depending on the program) the type of cross-section such as I-profiles, rectangles, tubes, thin-walled open, crane runway girders, etc.

- Select the various characteristics of certain types of cross-sections (e.g. IPE / HEA / ...) via "Shape group".

- With "Edit" you can edit a selected cross-section. The changed cross-section is saved under its own name (free definable or automatic naming) as a user-defined cross-section (Shape type: Own Cross-sections, Shape group: User-defined cross sections).

- Via the "User-defined" button you receive explicit instructions for creating your own cross-section.

- Via "Static values" you can show the cross-section characteristics in detail.

- Via the "Favorites" button, you receive explicit information about adding a cross-section to the favorites list (context menu, use the right mouse button on the cross-section) which you can also call up in other steel programs.

- "Save to Database" saves a created user-defined cross-section in a user database so that you can also use this cross-section in other FRILO programs.

Automatical import of user defined cross sections

When opening an external item with a cross section which is not saved in your current database, it will be automatically imported.

Composite cross sections

Composite cross-sections such as an I-profile with welded corners can be defined e.g. in the program Crane Runway Girder S9+.

The total cross section results from the composition of the individual partial cross sections.

Options

Specific requirements for a composite cross-section are defined here. With a crane runway girder for example, welds and notched cases can be defined.

Context menu

With some programs(e.g. S9+) you can right-click in a void graphic area (view/visibility...) or call up a context menu directly on the shape of the cross section in the graphic (properties).

Layout/Views

Various display options. You can save the image as a file.

Visibility

You can display or hide the various representations.

Favorites (only for some programs)

Right-click in the line of a profile - execute the context function "Add to favorites". The selected profile is added to the list of favorites (the favorites are saved in your user settings (USER)).