SPAX Design Software

Quick start manual

Version: 07/2016

Preamble

With the new SPAX Design Software, SPAX provides registered users with an online solution which differs from the previous "Bemessungssoftware" (design software) as follows:

1. True browser version without JAVA
   The new SPAX Design Software is an online solution which is compatible with the most common web browsers such as Microsoft Internet Explorer, Microsoft Edge, Google Chrome, Mozilla Firefox, Apple Safari, etc… WITHOUT the need for a JAVA runtime environment and the corresponding installation and download of JAVA applets.
   Please note that the SPAX Design Software has been optimised for use on PCs, laptops, etc… Depending on the OS used, performance and features may be limited when using the program via smartphones or tablets. Tablets with Windows 10 allow for unlimited performance and features.

2. File hosting
   It is now possible to store your project files on the SPAX server (similar to a Cloud), so that you can access your projects at anytime from anywhere through any device provided there is a valid internet connection.
   In order to comply with data protection regulations, you will be expressively asked to accept File hosting while registering as a user within the SPAX Downloads Centre (this is a prerequisite to the software use). It is possible at any time within the SPAX Design Software to turn on or off the File hosting functionality. It is expected that you may want to maintain it turned on to benefit from its advantages.

3. Project management
   You can organise individual project elements (designs) within project files and manage these project files (save, delete, copy, download). The search functionality allows for finding easily your project elements within project files, in case you end up with numerous files over time.
   Project management enables to file, organise and easily find back a large amount of designs in your personal filing and naming structure.
   You can also save customer contact data, update it when necessary and recall it at any time within a new project, so you do not need to input this information again and again.

4. Languages
   At this point in time, the new SPAX Design Software is available in three languages: English, French and German. Further languages may be added with time.
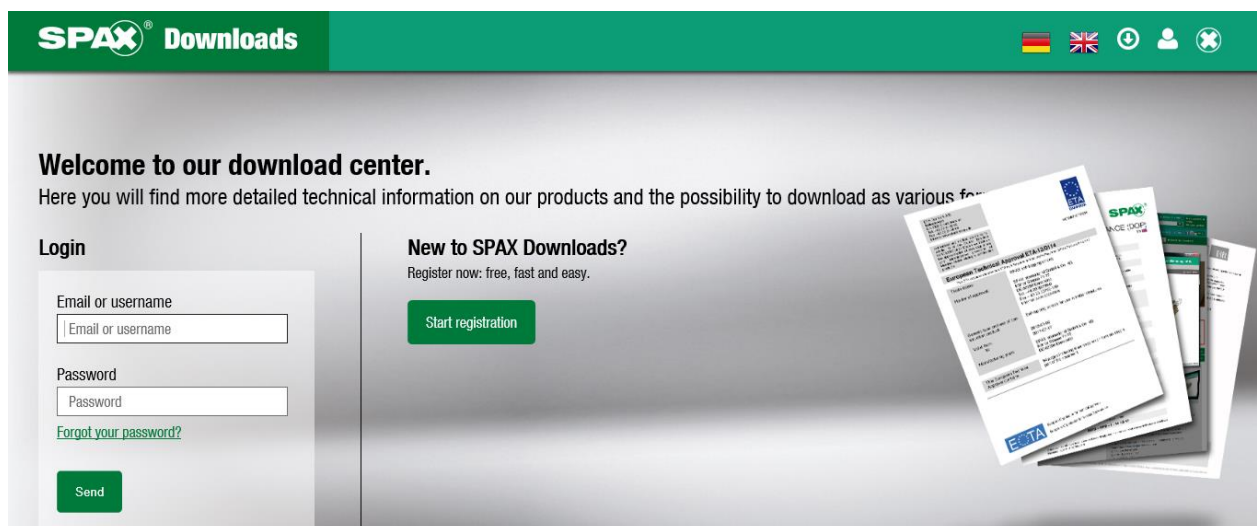
The new SPAX Design Software provides three modules since July 2016 (Notch reinforcement, Compression perpendicular reinforcement and Roof insulation fixing) and will be progressively expanded with new modules. The next module will be added in September 2016 : General Screw Design (shear + withdrawal).

Find and start using SPAX Design Software

Switch from the homepage www.spax.com/en/ or www.spax.com/uk/to the registration page or start directly the Download centre by typing https://downloads.spax.com in your Browser.

Register (first registration) or login with your Login details

Once logged in, select the SPAX Design Software area in the Subtopic filte …

… and open the new SPAX Design Software by clicking on the corresponding item in the list. The program opens in a new window or tab in your browser as follows:
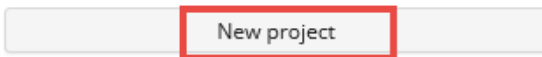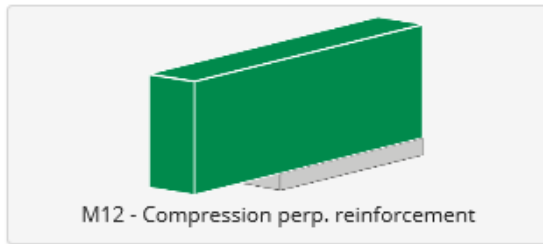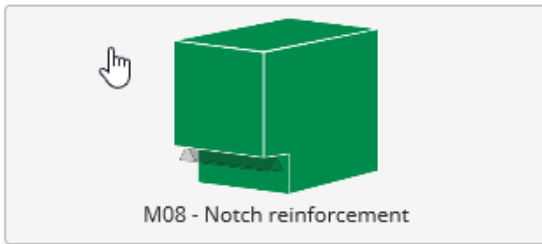
Navigate within the SPAX Design Software
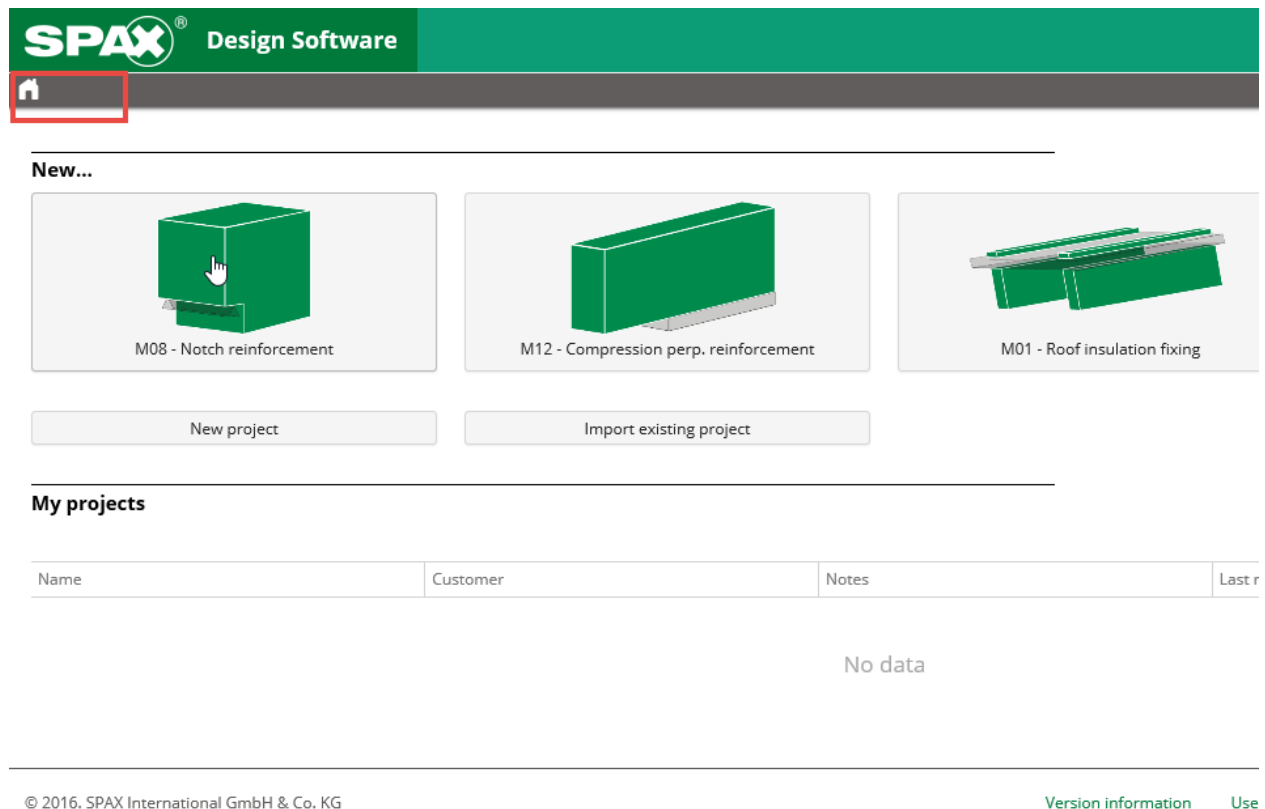
Start page

At top left of the start page, in the dark grey navigation bar, you will find the Home symbol (also called Home button). This button is always visible while using the program, and clicking on it at any time will get you back to the start page, e.g. when you somehow lost track of where exactly you navigated.

Start new project

Click on this button to create a new project. In a second step, you will be able to add multiple project elements (designs) within this single project file.

Hint:
Alternatively, you can also bypass this step and click directly on one of the large Picture buttons (Notch reinforcement, Compression perp. reinforcement), which will automatically create this project element within a project and you can start with the design input.
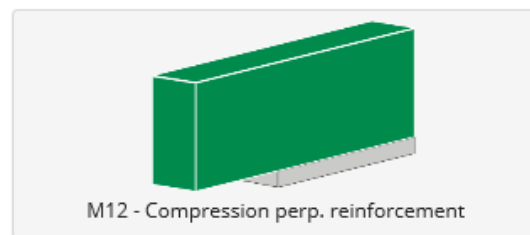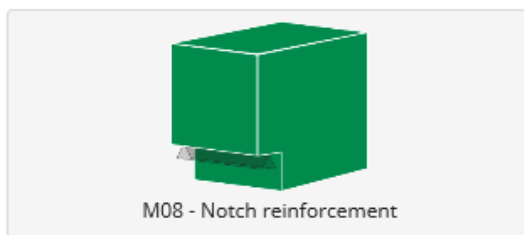
The Project 1 window is now open. You can now input all details relative to this project and of course overwrite the default project name which has been automatically generated by the SPAX Design Software. Project name can also be modified later, and at any time.

Through the addition of "/Project 1" at right of the Home button you can recognise the file path. This way you will always know within which current project you are navigating. The dark grey bar is the Navigation bar.

Modify the project name, so that this change is reflected in the Navigation bar. Also make sure you selected the appropriate Design code.

Do not forget to save!

With a simple click at top right on Project details, the project information area will fold and unfold.
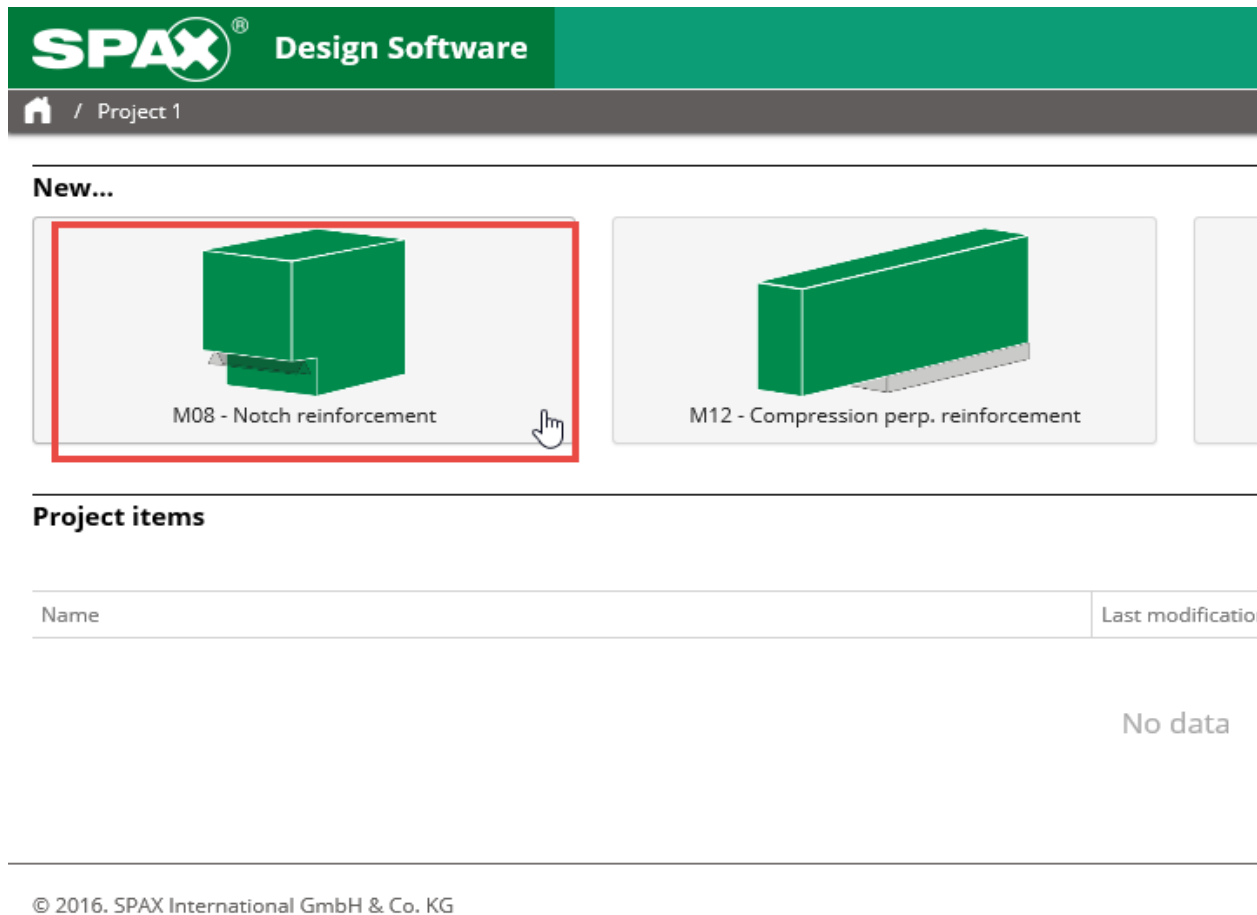
Hint:

Input of customer contact data

The customer contact data which is input in this area can be saved to your personal Customer data library. You can access and manage this Customer data library within the User Preferences (Gearwheel) under "My customers".

You can now add new project elements (designs) to this project by clicking within New…
on the corresponding large Picture button (here Notch reinforcement).
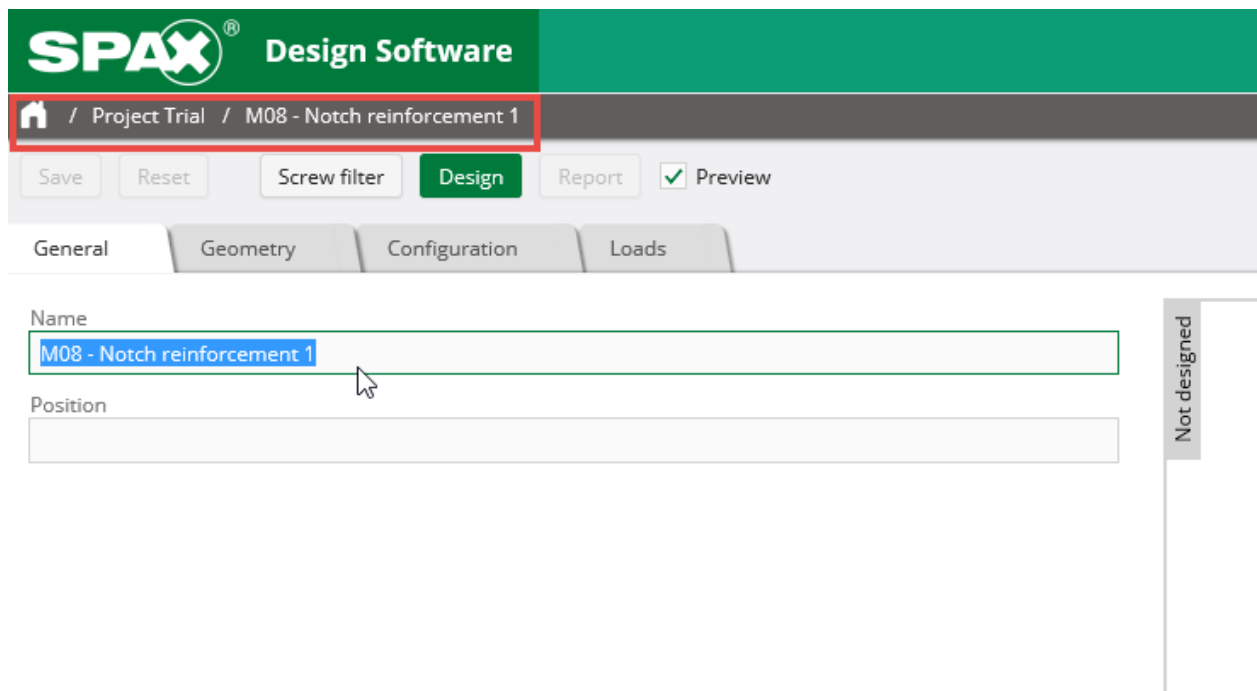
The new project element opens up with the default element name of the corresponding design
module. Here also, the element name can be modified and will be reflected in the dark grey
Navigation bar.

If you have saved multiple projects, you can see them all listed in the My projects overview table within the start page.
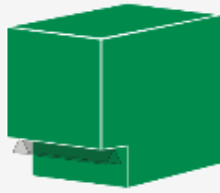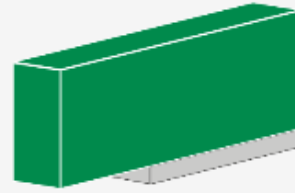

With the buttons at right of each project line you can download, copy or delete each project file individually.

User Preferences

Click on the gearwheel button at top right to access your personal User preferences.
The various options are self-explanatory.
Click on the Home button to go back to the start page.

One important thing at this stage:

WARNING!
If you select No for the File hosting (Store projects on SPAX server) and Save, a warning will pop-up. This is to make sure that your data which may have been stored meanwhile on the SPAX server does not get definitively deleted by mistake before you had the opportunity to download on your device the files which you may wish to retain. For safety, a double confirmation will be required.

So if you wish to deactivate the File hosting function – hence will definitively delete all of your data from the SPAX server – you should first switch to the start page and download on your device the project files you wish to retain (export files). Once done, you can come back to User Preferences and deactivate File hosting.

Please beware: All data which you have deleted through this process is definitively lost for ever. SPAX has no possibility to restore any deleted data! You are the owner and manager of your personal data, which we only store for your convenience. If you instruct the system to delete the data, it will do so and the data will be gone.

Design Modules – Functionalities and use

Use the tabs Geometry, Configuration, … to navigate through the data input areas and click Design once ready. Do not forget to save!

The program works now on the SPAX server and returns back within seconds the results of all possible solutions in table format.

Overview of the main functionalities:

Button []	Switches between general view: Text/Table and Diagram or Text/Table only or Diagram only. Hint: depending on the device you use and the width of its screen, this switch might be useful.
Help	Enables sending SPAX a help query. Your project file will be attached automatically, enabling SPAX support team to visualise your project exactly. Please formulate your query in the text field and provide a phone number and email address, so our support team can contact you accordingly.
Screw filter	Preselection of some parameter, reducing the amount of SPAX products sent to the server for design and therefore the amount of results returned (easier to read) and requiring less design capacity (results returned faster). Define here whether SPAX Screws (default) or SPAX Threaded Rods shall be considered for design.
Preview	If this option is selected and you clicked on Printout, the PDF of the printout will be generated within a new tab or window of your browser. Otherwise your browser will propose to download the PDF.

Some devices or browsers do not support the preview of PDF files (e.g. iPhone or iPad), making it necessary to tick off the Preview option in order to enable receiving PDF files. Also ensure then that your device is equipped with a software capable of opening and reading files in PDF format.

Table All results	Results are sorted automatically by the SPAX Design Software, which also preselects one of these results. You can modify this presentation with the following features: - Click on the columns title (text): ascending or descending sorting is available for each column of the table. - Click on the Filter symbol: allows selection of single elements - Search feature: allows fast search with your desired search criteria - Click on the arrow of a given row in far left column unfolds detailed information on the selected result. It also allows selecting another number of screws, the diagram updates accordingly.
Drawing	Left mouse click: maintain clicked and move mouse to turn around the view in 3D
	Right mouse click: as above but moves view on plan
	Scrolling wheel: zoom in or out
	Zoom all: turned around or moved away drawing will be set back appropriately scaled and centred in viewport (click twice if required)
	Green status: by input of e.g. a large member depth, the drawing is scaled automatically
	Views: click on 3D view button to set back the original view ; select other views when required

Enjoy!