

1. Installation.

For the installation of Moebius Soft Administrator rights are necessary.

- A. Place the CD in you PC CD drive. Usually the installation will start itself automatically. Should this not occur double click on *My PC* icon next, on the letter representing your CD drive, and finally on file **Setup.exe**. Subsequently follow the instructions.
- B. Remember to ENABLE THE MACROS in your Excel before entering Moebius Soft.
- C. Place the protection key in your PC's USB/Parallel port and start Moebius.

2. General description.

Microsoft Excel, Moebius Soft and the protection key have to be installed in the same computer. The schedule bars and the parameter files can be shared by different users due to the permissions of Read and Write of the files and folders.

Each Moebius Soft consists of 5 pages: **Title Page, References, Quantities, Steel/Concrete ratios** and **Job Form**.

The **Title Page** serves as a front page and under **References** you will find the table's main parameters as well as the manner in which bars are dimensioned. **Quantities** and **Steel/Concrete ratios** are indicated on their respective pages. Within the **Job Form** we can find: The **general heading**, which is made up by the first rows of the Job Form. The heading borders appear in a double line. The geometry of the structural elements is indicated under **headings** whose borders are represented by bold lines. The **reinforcing bar schemes** represent the bending, and the partial and total bar lengths. The user selects the type of scheme and it's cross section and Moebius soft automatically calculates the bending diameters, and the partial and total bar lengths as a function of the dimensions shown on the heading.

The **parameters** are a set of data, which are common to all of the generated reinforcing bar schemes. Some examples are: the type of end hook, and it's bending diameters and partial lengths etc.

These parameters can be changed by means of the *Edit\Change the parameter file* menu. This menu is only enabled upon opening of a bar schedule and each time a new bar schedule is requested by means of the *File\New* menu. When a new file is opened Moebius will update it using the same parameters utilized the last time the file was saved. One may edit a listing of bar **diameters** and **structural elements**.

3. Sequence to generate a Bar Schedule with Moebius.

Upon initiating Moebius Soft, a blank bar schedule will appear on the screen of your PC. If this is the first time you initiate Moebius Soft refer to **A**, otherwise go to **B**.

A. Edit the parameters, diameters and the list of structural elements.

- By means of the *Edition\Edit the parameters* menu select a parameters file. Edit the name of your studio, its address, phone number, e-mail etc. Define materials end edit data according to your personal criterion.
- By means of the *Edition\Edit the diameters* menu, select the diameters. Edit bar diameters in mm. If you choose to do so, you may generate an alternate description for the bar diameters.
- By means of the *Edition\Edit the list of structural elements* menu, select the list of structural elements. Edit the name of each one of the different structural elements to calculate the calculate quantities of reinforcing bars and the Steel/Concrete ratios of each structural element. Moebius soft suggests the six structural elements used to designate the structural elements.
- Using the *Parameters\Save parameters as* menu, save the parameters you edited according to your personal criterion, with a name of your choice. By this procedure you may generate different parameter files.

Note: The cells which can be edited show a red mark on their upper right end.

B. Change the Parameter File.

- By means of the *Edition\Change parameters file* menu select a parameter file

C. Complete the General Heading of the Job Form.

- This is the one, which appears in a double line at the beginning of the Job Form. The materials by default were defined in the parameters.

D. Establish settings and save the Bar Schedule.

With the *File\Page setup\Execute page setup* menu the headers and footers for each page of the bar schedule are generated and all pages are formatted.

E. Select a structural type and start generating the Bar Schedule.

The main menu is used to select a structural type.

The first to appear is a selection form which needs to be completed with the heading, the dimensions of the element and its quantities.

Following this, the user completes another selection form with data concerning the reinforcing bar scheme and inserts it in the Job Form.

4. Editing the Bar Schedule.

There are two basic edition procedures of the bar schedules.

A. Erasing or deleting Headings and/or Schemes.

With the *Edition\Erase the last scheme* menu, the last scheme of a group under a given heading, is erased. In order to erase many schemes you must start from the last one towards the first one.

With the *Edition\Erase a heading and its schemes* menu, one erases the heading with the associated reinforcing bar schemes.

The *Edition\Delete a heading and its schemes* menu, produces the same effect than the previous one except that there is no blank space where the heading and its schemes used to be.

The *Edition\Insert rows for a position and Edition\Delete rows of a position* menus are used to add or delete blank spaces on the Job Form. You may only insert a space at the end of a group of reinforcing bar schemes, before the next heading.

B. Editing the Bar Schedule cells.

Only the cells showing a red mark on the upper right en can be edited.

The comment which appears when passing the mouse pointer over a cell indicates the unit of measure and the color, if the value of the cell is associated with another value of the parameters or of the heading.

If the comment's background is **yellow**, the value is related to another value.

If the comment's background is **white** the value is **NOT** related to another value.

Note: Once the value of a cell which is related to another value (yellow background) is modified, the relationship between those values is lost. The relationship can be restored by means of the *Undo last action* menu.

5. Moebius Soft Help.

Pressing the F1 button opens Moebius Soft. This gives access to the Moebius Soft manual and to the subject related to the task you are working on at the moment.

The help which appears on the bottom line of the screen guides the user though the steps to be followed.

6. Generate a file in XLS format.

With the *File\Generate a file in XLS format* menu, the user generates a bar schedule in Excel format (XLS). This file reproduce the original file, you may view and print it, but cannot be modified. A backup of the original bar schedule can be obtained and mail it, while you keep a copy of the original file.

7. Important Notes.

- As you enter Moebius Soft the Excel user's options become modified (visible menu bars, options which were personalized by the user etc.). If by any reason Moebius Soft is abruptly exited you must reenter into Moebius Soft. Moebius Soft will reset all of the personalized user's options prior to leaving the application.
- Moebius Soft has been designed to operate with Excel 2000, Excel XP and Excel 2003. If you should install a newer version of Excel, always keep an older one on hand.