New version of program STeelCON 2013.360

Dear colleagues,

A new version of the "**STeel CONnections**" program for the design of bolted and welded steel connections has been released.
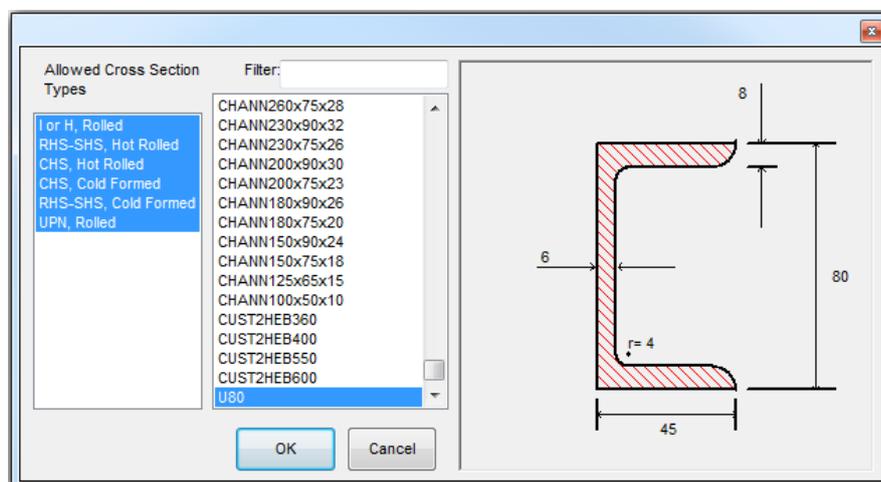
This new version offers many new features :

- o   **New cross sections management and import feature**

The user is able to put any number of cross section files in the Library directory. The program automatically reads all the cross sections in that folder, keeps only the valid ones and makes them available to the user.

When the user decides to select the cross section to use in a connection, the cross section form appears. The user is able to select among the cross sections that are valid for the specific type of connection. All others are automatically filtered out.
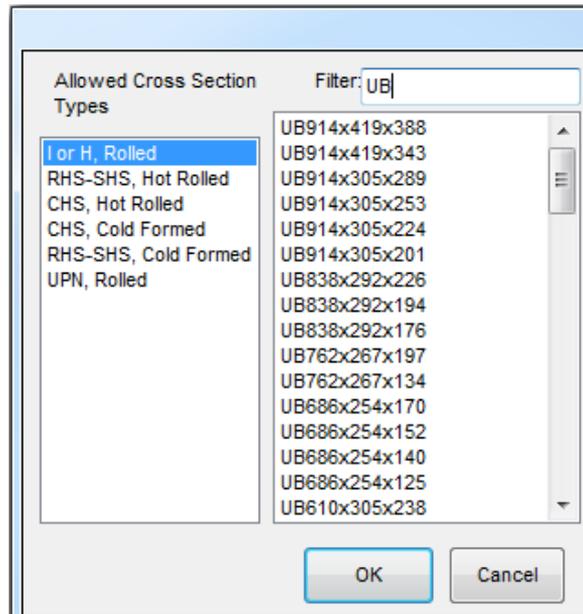
Furthermore the user can filter more cross section families by selecting or deselecting the whole family from the "Allowed Cross Section Types" list.

If the cross sections are still numerous then there is another filtering option.
The user can enter any characters or numbers in the "Filter" field and the program will show only the cross sections that contain the specific phrase into their names. This way the user can very easily handle a collection of a large number of cross sections.

For visual inspection the program provides a drawing of every cross section with all the critical dimensions.

Together with this feature a lot of new cross section library files are already added into the program's library folder. Some of them are:

Brazilian Cross Sections
  Perfil U
  CANTONEIRAS ABAS IGUAIS
  CANTONEIRAS ABAS DESIGUAIS
  PERFIS I rolled ASTM A572
  PERFIS H rolled ASTM A572
  PERFIL I LAMINADO - SÉRIE AMERICANA
  TUBOS CIRCULARES
  Tubos Quadrados SAE-1010/1020
  TUBOS RETANGULARES

Tata steel Celsius and Hybox
  EN 10210 hot finished hollow sections
  EN 10219 cold formed hollow sections

AISC
  HSS
  HSS Round
  Wide Flange (W, S, M, HP)

IPE DIN 1025-5 EN 19-57
HEA DIN 1025-3 EN 53-62
HEB DIN 1025-2 EN 53-62
HEM DIN 1025-2 EN 53-62
I DIN 1025-1
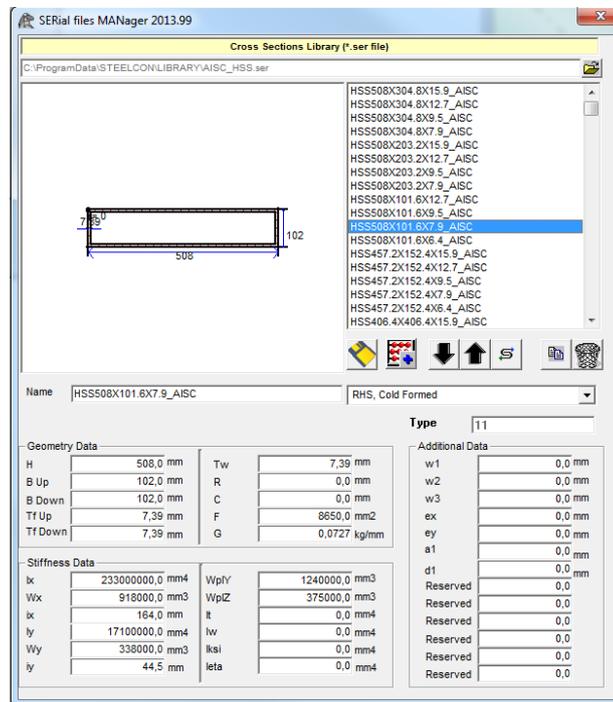**L with unequal flanges DIN 1029 EN 10056-1**
IPEa
IPEo
HD (European wide flange columns)

Russian Cross Sections
  GOST 26020-83

Of course the user can edit or modify the existing cross sections and add new ones. This is done by using the Serial Files Manager (Ser.Man.), which has been also improved to match the standards of this new STeelCON Version.

SteelCON is SOFiSTiK Version 25 (2010) as well as Version 27 (2012) compatible and can be operated within the SSD integrated SOFiSTiK environment. All geometrical and topological data as well as forces can be imported from the overall structure. Connection design results are then a part of the SOFiSTiK Output Report.

Installs the following Plugins :
- SSD V27 Plugin (and SSD V25 plugin)

21.12.2013, Munich Germany