

WHAT'S NEW IN ADVANCE CONCRETE 2011



Advance Concrete 2011 is fully part of the BIM and easy-to-use GRAITEC Advance 2011 suite, and it dramatically increases construction drawings and reinforcement details production.

New features in Advance Concrete 2011:

- New common installation
- 3D copy
- New format for 3D reinforcement cage export
- Multi segment bars in rectangular section
- New representation style for bars by diameter
- New grip point to mirror rebar labels
- Additional grip point to move bar symbol text
- Management of jump at snap line intersection
- Selection of bars by type when creating a list: straight, bended, with couplers

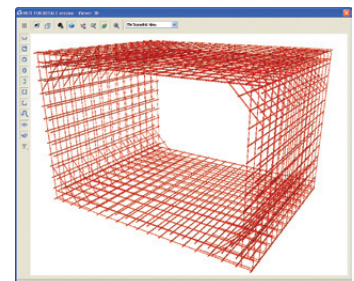
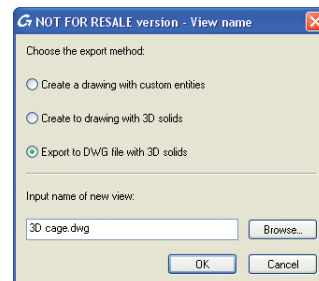
New common installation

One single DVD for the installation of the complete GRAITEC Advance 2011 suite



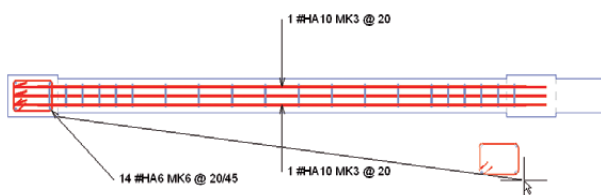
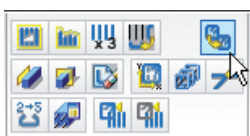
New format for 3D reinforcement cage export

3D cages can be converted into 3D solids in the current file from the 3D viewer. It can be exported to an external DWG file.



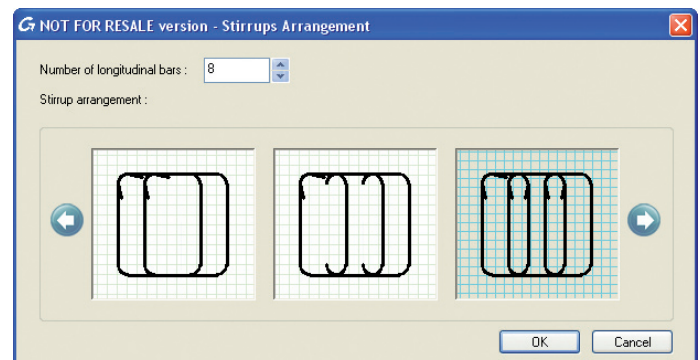
3D Copy

This very powerful command enables the copy of 3D reinforcements from one structural element to another. Just copy in one view, others are automatically updated.



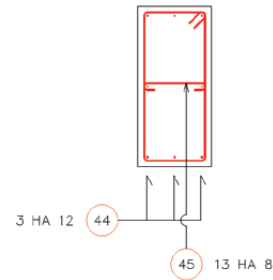
Multi segment bars in rectangular section

A new powerful feature allows automatic creation of multi segment transverse reinforcement in a rectangular section.



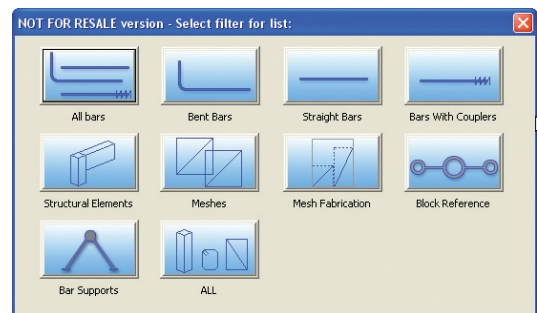
Management of jump at snap line intersection

A very nice representation for snap lines with jump at intersection is present in this new version. This option can be activated from Project Preferences.



Selection of bars by type when creating a list: straight / bended / with couplers...

When creating a list, it is now possible to sort bars using the following options: straight, bended, with couplers. This allows getting separate lists according to bar type.



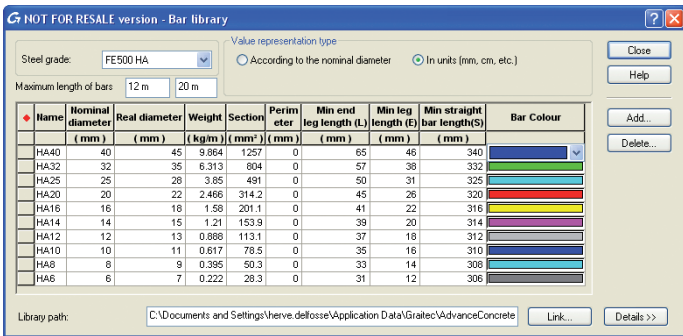
Live customization of the bar list

A very useful and powerful feature is implemented for deep list customization. Users can select and modify the content of cells in the lists displayed on the screen.

Member	Elem. mark	Type and diam.	No. of rebar	No. of bars in mesh	Total no.	Length of mesh bar (m)	Shape code	A* min	E* min	C* min	D* min	ER* min	Rev letter	Weight kg
A	1	HA12	1	4	4	384.45	1.03	367.00						13.66
A	2	HA10	1	8	8	284.00	0.00	284.00						10.51
A	3	HA6	1	30	30	71.22	2.20	56.00	3.00	3.00				4.74
A	4	HA6	1	15	15	87.22	2.20	74.00	3.00	3.00				2.80
A	5	HAS	1	10	10	278.18	5.20	56.00	74.00					16.54
A	6	HAS	1	23	23	251.18	5.20	54.00	64.00					22.82
A	7	HAS	1	4	4	540.00	0.00	540.00						8.53
A	8	HA12	1	4	4	578.02	2.02		540.00					20.53
A	9	HA10	1	2	2	454.00	0.00	454.00						5.60
Total														105.83

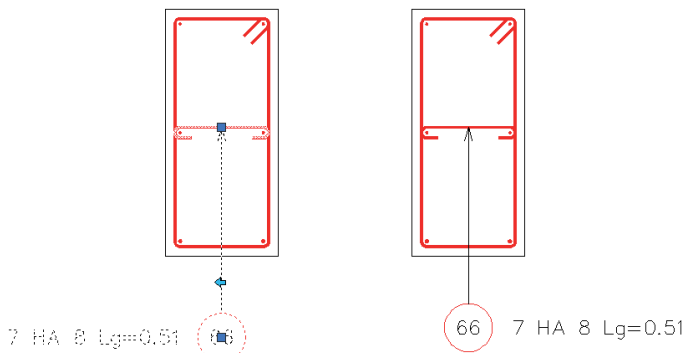
A new representation style for bars: by diameter

A new option allows bars to be represented with a specific color for each diameter making it very easy to detect the size of bars at a glance. A color can be chosen for each diameter in the bar library. This option can be activated in the user preferences. This feature is effective for definition bars.



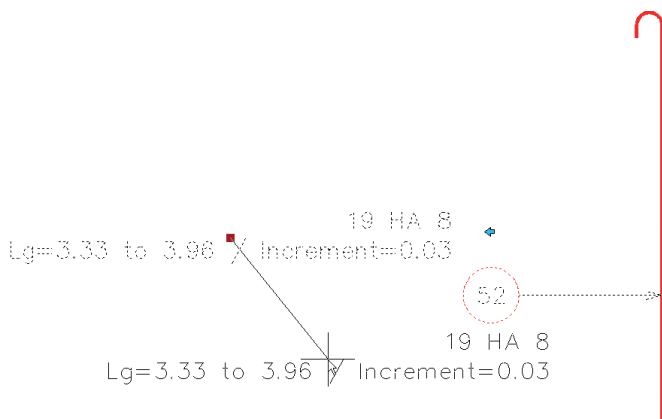
New grip point to mirror rebar labels

A new grip point is created to easily mirror reinforcement labels. Just select a bar symbol and click on the arrow to mirror the label.



Additional grip point to move bar symbol text

To fine-tune drawings, Advance Concrete provides a new grip point to move text included in the bar symbol.



GRAITEC ADVANCE THE STRUCTURAL BIM SOLUTION



BIM software for structural steel engineering, detailing and fabrication



BIM software for structural concrete engineering, detailing and fabrication



BIM software for FEM structural analysis including international design codes