

# WHAT'S NEW IN ADVANCE STEEL 2010



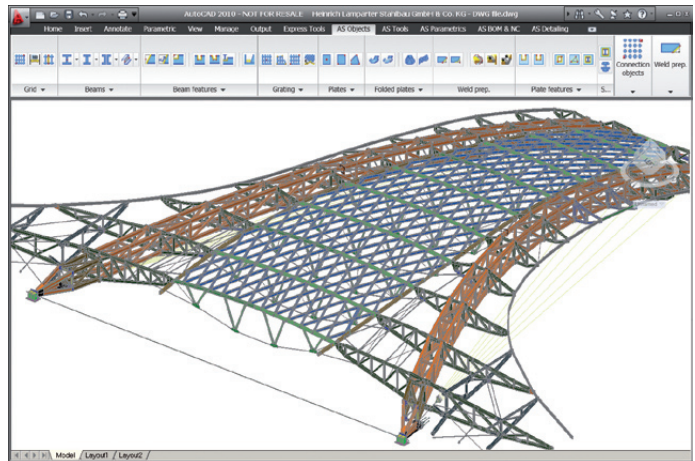
Advance Steel 2010 dramatically increases general detailing and fabrication productivity in the shortest time. It is the most comprehensive and efficient structural steel detailing software available today.

**New features in Advance Steel 2010:**

- Quick model views and several new connections make modeling faster and easier
- Faster access to all the connections with the new connection vault
- Accelerated productivity, drawings are created much quicker
- User experience enhancements, such as the intuitive User Interface

## AutoCAD 2010 compliancy

Advance Steel 2010 is compliant with AutoCAD® 2010.



Moscow airport extension  
Done by Heinrich Lamparter Stahlbau GmbH & Co. KG

## Performance

Unparalleled drawing creation performance  
Improved BOM creation process for higher productivity and accuracy  
Quality and performance improvement for general arrangement drawings



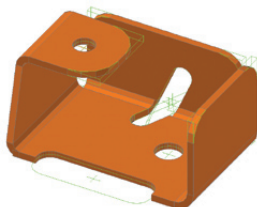
## Improved user interface

Improved user interface (Ribbon style)  
Easy to use, user-friendly, and well organized  
enhanced grouped properties in dialog boxes



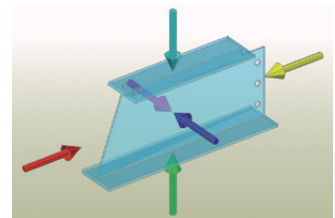
## Enhanced display in shade mode

See all features and cuts also in shade mode



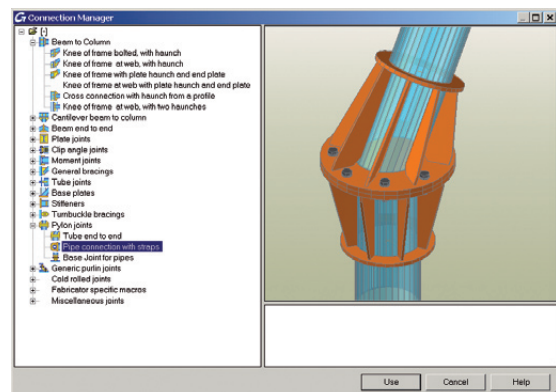
## Work easily in 2D

Quick views on objects  
User-defined depth clipping  
Quicker display of required elements



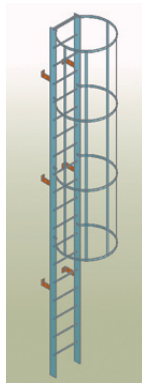
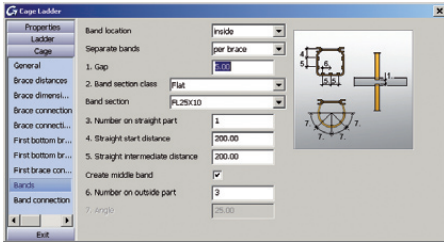
## New user-friendly connection vault

All connections in one place  
Sample previews to give an idea of the possibilities  
Select a connection and use it directly



## New cage ladder macro

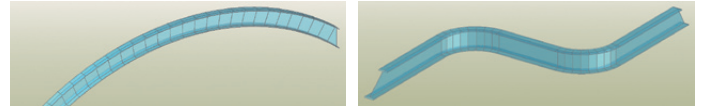
Ladder with or without cage  
Different cage and cage exit types



## Unfolding of curved beams and poly-beams

Curved beams and poly-beams automatically unfolded on workshop drawings

Elongation calculated according to the rules



## New truss macro

Different truss types available  
Can be created with single or double sections  
Beam clearance can be set from the dialog box  
Chords can be straight or curved

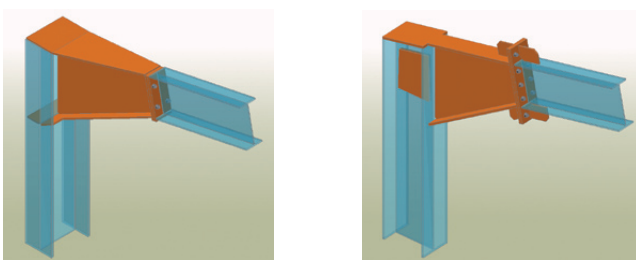


## Stairs and railings macro enhancements

New 'loop return' for end of railing  
Slotted holes on posts for sloped railing  
Treads from stairs in real grating  
Flat middle rail available for spiral stairs  
Chords can be straight or curved

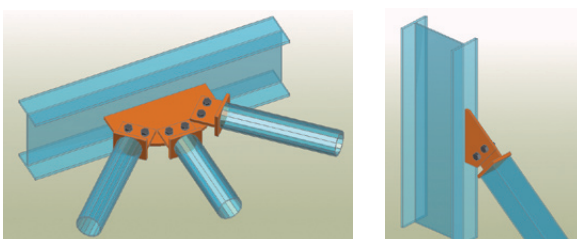
## New haunch joints

Plate haunch to column web joint  
Plate haunch to column flange joint



## New bracing joints

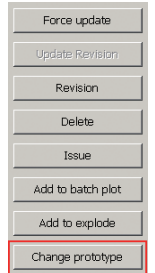
Tube bracing joint for one, two or three diagonals  
Can be created with gusset, angle or kidney hole



## 'Change drawing format' is easier

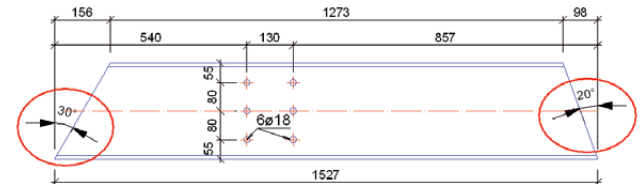
Change prototype directly accessible from the Document Manager

File name automatically updated according to the new drawing format



## Enhanced automatic angle dimension placement

Saw cut angle is better positioned on drawings



## BOMs

Easier to configure, very user-friendly to define BOM template in DWG file format  
AutoCAD®-based configuration  
Much faster workshop drawing creation

## NC-DSTV files

NC files automatically created for curved beams and poly-beams

**GRAITEC**  
**ADVANCE**

THE GLOBAL STRUCTURAL BIM SOLUTION  
FOR CONSTRUCTION PROFESSIONALS



Automatic drawing creation and fabrication files for steel construction in AutoCAD®



Automatic formwork and reinforcement drawing creation in AutoCAD®



Finite elements structural analysis and Steel/Concrete design with automatic reports

www.graitec.com