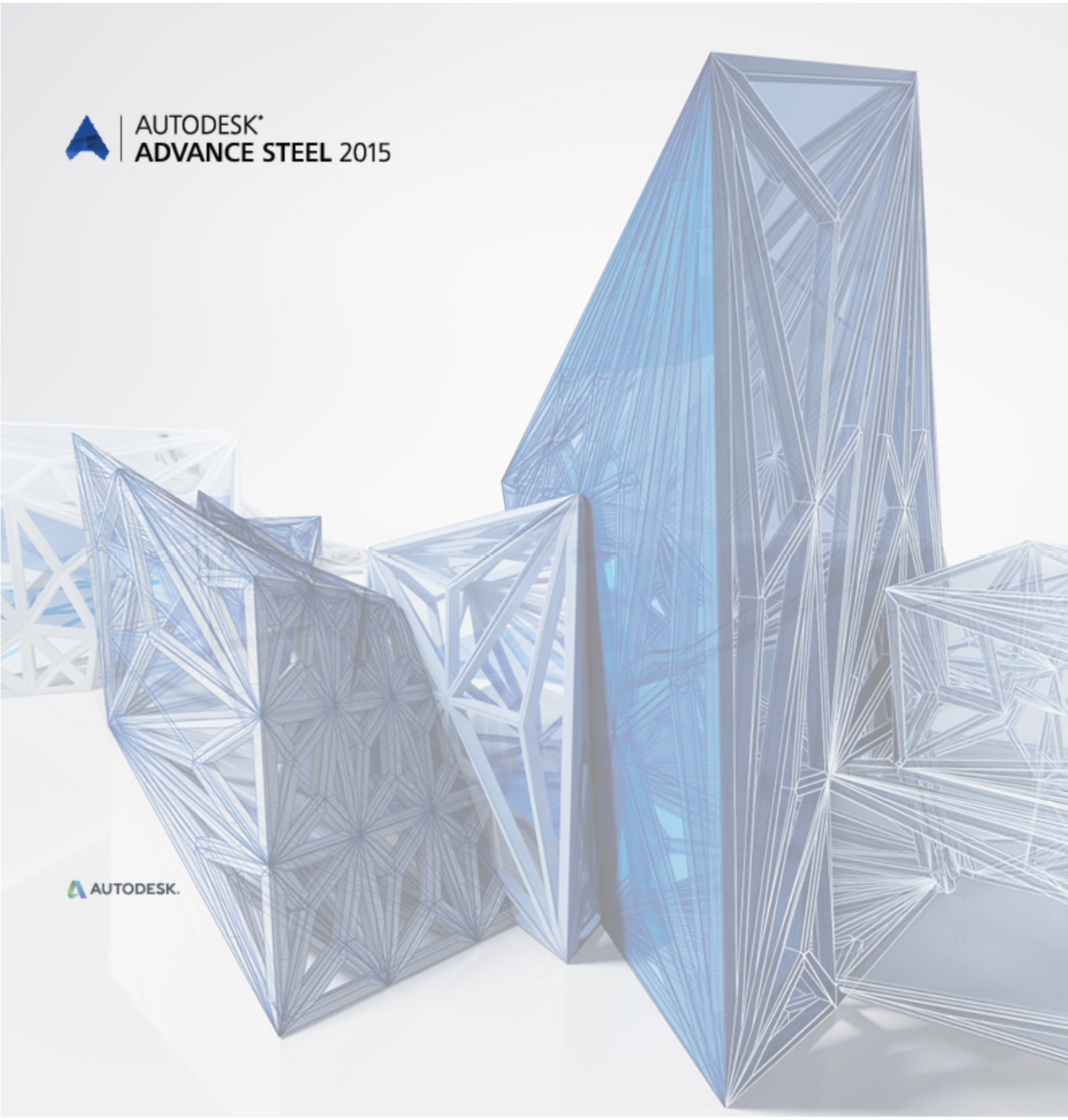

What is New in Advance Steel 2015

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Rebranding

- The Autodesk® Advance Steel 2015 installation routine uses the Autodesk Setup installer and has the Autodesk licensing system.
- In addition, all file locations, file names, template and prototype files were changed to the Autodesk folders and branding.

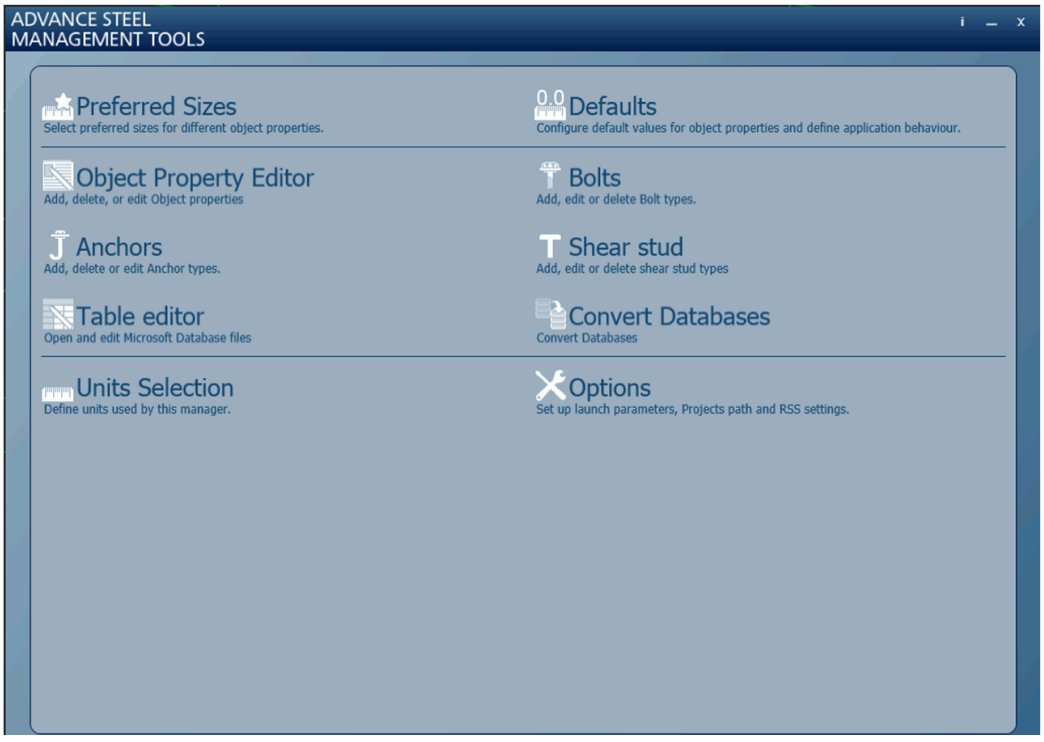
Miscellaneous

AutoCAD 2015 compliancy

Advance Steel 2015 is compliant with AutoCAD® 2013-2015 (i.e., the latest 2015 release of AutoCAD®).

Advance Steel Management Tools

- The new Management Tool was completely redesigned to fit the new requirements.
- In the Table Editor you can use Crtl + C and Crtl + V to copy a line.
- Convert Database transfers user saved compound sections.
- In the Bolt Editor you can copy an entire diameter inside a grade and / or all parameters of a grade to a new one.
- Obsolete items have been removed from the preferred sizes.



BOM

- The %InsideCoating and %OutsideCoating tokens work in BoM on drawings.
- Saw cut bitmaps can be changed to a user selection.

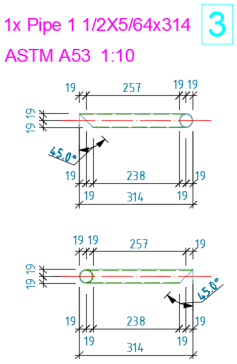
Details

- The “Detail explode” command keeps the green frames around the details.
- Negative number values for elements without numbering no longer appear on drawings.

Improved helper lines

Helper lines for saw cuts (angle cut) are also created on the workshop drawing for

- Tubes (RO sections)
- Round bars
- Flat bars
- Square sections



Dimensions

- Holes in unfolded curved beam details get dimension lines.
- A dimension value between two points that move during update but keep a constant relative distance between them do not get a revision in overview drawings.

Manual dimensions

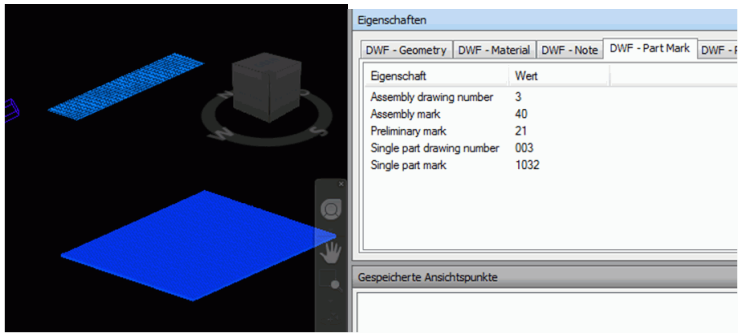
The preferred snap points for manual dimensions will work also for

- points generated by a shortening feature on plates
- points on start/end edge of a folded beam contour
- the system axis end points of a polygonal beam

General

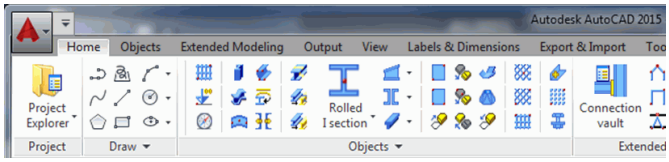
Export to Autodesk Nawisworks

- The export to Autodesk Navisworks contains all Advance Steel objects and their tokens.



User interface modifications

Advance Steel 2015 has new ribbons. It has its own "**Home**" tab and the other tabs have been improved to fit the requirements for steel detailing.

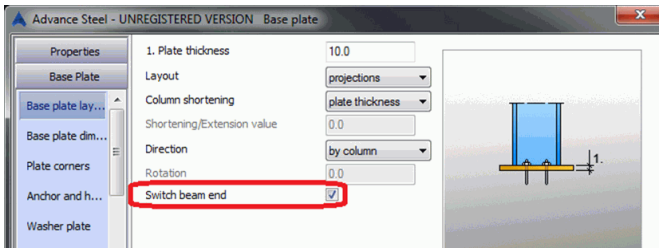


- The settings for the tool palette minimize and auto hide are saved and will be the same after a restart.
- Advance Steel commands added to AutoCAD Quick Access Toolbar keep their icon after restart.

Joints

Base plate

- Option added to switch the beam end where the base plate is placed.



Bricks

- All plate bricks have the option to be created at a reference point.

Purlins

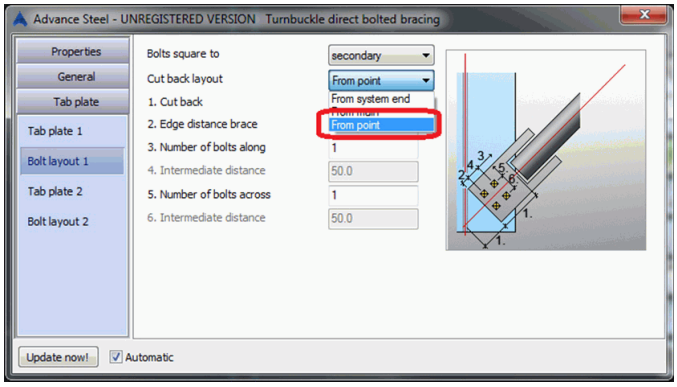
- New stay (fly brace) option for purlin joints.

Tapered beam

- Upper flange and bottom flange thickness can be set individually.

Turnbuckle Direct Bolted on beams

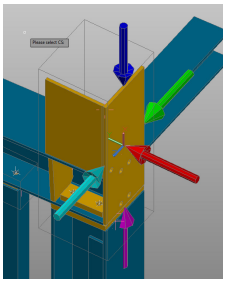
- Bolts can be placed directly in the insertion point.



Model

- The option to keep the beam position is by default activated.
- The Level symbol displays the actual height in the model.

- The folded plate relation is on the same layer as the plates.
- All possible view direction options on plates in Quick View are available.

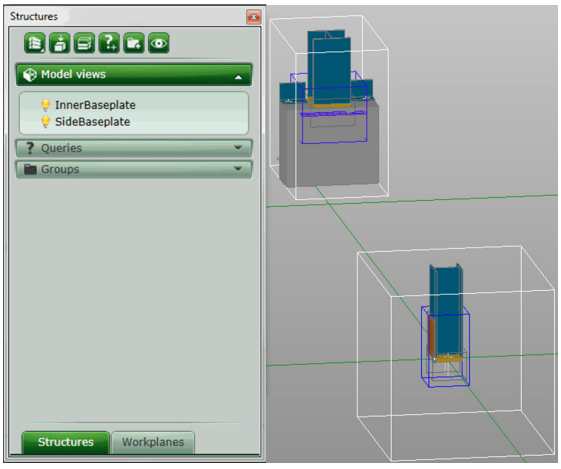


Project Explorer

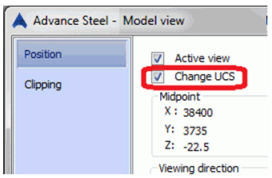
- A grid or single grid line can be added to a group.
- The Camera object is included in the queries / search filter.

Model views

- Multiple model views can be at once active.



- There is an option in the model views, to place automatically the UCS in the model view plane.



- In a model view there are some more objects visible:
  - Joint driver point,
  - Custom connection blue joint box,
  - Camera object

NC / DStV

- For the scribing there is one more option available, where you can set a minimum edge distance.
- There is also a new default to avoid bolt holes “drilled on site” listed in the NC file.

AUTODESK.