What is New in Advance Steel 2015
### Table of contents

**REBRANDING**

**MISCELLANEOUS**
- AutoCAD 2015 compliancy

**ADVANCE STEEL MANAGEMENT TOOLS**

**BOM**

**DETAILS**
- Improved helper lines
- Dimensions
- Manual dimensions

**GENERAL**
- Export to Autodesk Nawisworks

**USER INTERFACE MODIFICATIONS**

**JOINTS**
- Base plate
- Bricks
- Purlins
- Tapered beam
- Turnbuckle Direct Bolted on beams

**MODEL**

**PROJECT EXPLORER**
- Model views

**NC / DSTV**
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 Ctrl + C and Ctrl + 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.
What is new in Autodesk® Advance Steel 2015

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.
What is new in Autodesk® Advance Steel 2015

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.