

## Advance Steel 7.1 / SP1

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This document describes the improvements in Service Pack 1 for Advance Steel 7.1.

**Advance Steel 7.1 SP1 is AutoCAD 2008 and Windows Vista 32-bit compliant.**

*To successfully install Advance Steel on Windows Vista platform, certain requirements have to be met:*

- Install Advance Steel outside the "Program Files" system folder. For example, "C:\Graitec\AdvanceSteel".
- If you use standalone license, ask for a new license
- If you use a dongle, you must use a newer version of the **GetHASP DongleId.exe** tool to get the dongle ID. The tool will be provided separately from the Advance Steel 7.1 SP1 setup.



## **MODELING**

- The additional grid line suffix is correctly displayed after the deletion of a previous grid.
- A User Attributes value can be deleted.
- The Search tool finds the searched Joint when subrules are used.
- The option "Used for lists" on the "Behavior" tab of the Bolts properties dialog box has been fixed.

## **NUMBERING**

- A New Numbering option is available when "With Drawing Number" is selected. This offers additional choices for the drawing number (e.g., 1C1, 1C2, etc.).

## **JOINTS**

- The "Cut Flush" cope no longer creates a collision.
- "Shear plate" joint: changing the plate placement (e.g., from left to right) no longer modifies the bolt distances.
- "Shear plate" joint: the stiffener is placed on the same side as the shear plate.
- "Double side clip angle": the bolt stagger options have been fixed.
- "Double side clip angle": the bolt alignment with a sloped connection has been fixed.
- "Double clip angle": the value for Bolts back mark distance on the main beam is correctly used.
- "Joist seat bottom": the weld "Location" option is available for stiffener welds and connection plate welds, and stiffener welds are "Shop" by default.
- Quick connection: in the "Global parameters" settings, the distance from the top to the first hole has been fixed; this applies to the following joints: SingleSideEndPlate, DoubleSideEndPlate and FrontPlateSplice.
- Joint Design using AISC: the Joint is marked with a yellow warning if the edge distance value is between the parameter from "at rolled edges" and "at shear edge".

## **LISTS**

- The "Model role" attribute is correctly filled with information.
- The "Bolt coating" appears in the lists.
- The "Exact weight" has been fixed.
- When customizing a BOM for plates and beams, some columns would stay empty; this has been solved.
- Creating a model extract (e.g., for derived drawing lists) based only on "Include created document information" has been fixed.
- An incorrect special part length is no longer shown in the lists.
- List templates with names that contain an apostrophe (e.g., "Bev'd") can be successfully imported.
- The Template Mappings have been fixed.
- Several translation problems in the BOM editor have been fixed.



## **DETAILING**

- The text of running dimensions no longer overlaps.
- The default used to display a horizontal line for the grid in drawings (C40\_DisplayGridsHorizontalLine) gives a correct result.
- The problem when creating assembly drawings in some specific cases (due to hole hatches) has been fixed.
- Workshop drawings (with a List inside the drawing) of user sections are correctly created.
- A problem with the automatic clipping has been fixed.
- The unfold drawing of a closed folded beam has been fixed.
- The unfold drawing shows coherent unfold view and cut view.
- Single part drawings can be added to an existing drawing.
- A Cut View can be added to a view where the green frame has been previously disabled.
- "Insert a Level symbol" has been fixed.
- Updating a drawing does not move the dimension lines set by the user.
- Updating a drawing keeps a manually added dimension for holes seen from side view.
- The speed to create workshop drawings for parts having a huge number of shear studs has been improved.
- The time required for the Document Manager to verify the status of an open drawing has decreased.
- Document Manager: the Batch plot recognizes the selected plot window.
- The correct linked drawing style from the User category is used when using the icons on the User drawings toolbars.
- On exploded drawings, the unnecessary dimension arrow heads that were displayed have been removed.

## **MANAGEMENT TOOLS**

- Changing the bolt editor dialog box size no longer results in an error.



## **IMPORT/EXPORT**

- SDNF / Plates which have complex polygonal cuts are correctly imported.
- SDNF / Importing an SDNF file from other Steel Detailing Packages has been improved.
- CIS/2 / Importing a CIS/2 no longer creates duplicate holes when there are bolts.
- KISS / Several improvements have been done on the plates size presentation when exporting to KISS in imperial units:
  - The dimensions are only in inches (e.g., 15 inches instead of 1' 3").
  - A dash appears between the inch and the fraction of an inch (e.g., 2-1/2 instead of 2 1/2).
  - An inch symbol is no longer displayed (e.g., 2 instead of 2").

## **DSTV-NC FILES**

- A problem with NC files for un-winded profiles has been fixed.

## **DONGLES**

- "Old" FlexLM dongles work.