

## Advance Steel 2010 / SP5

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This document describes the most important improvements in **Service Pack 5** for **Advance Steel 2010**.



## **BOM/LISTS**

- [2132] A particular case with an incorrect assembly quantity is solved.
- [2709] Drawing lists show the correct shear stud quantity.
- [2759] Sorting on a drawing BOM is changed from alphanumeric to numeric.
- [2877] A problem with a customer prototype and drawing BOM is corrected.
- [3189] A problem with inconsistent bolt quantities is corrected.
- [3240] The “Total main part weight” can be shown even for assemblies with different phases.
- [3439] Exact weight token is working in DStV lists.

## **DETAILING**

- [446] Improved presentation option for bolt holes to be shown as visible and not be hidden by the bolt
- [856] A special case where the dialog box shows strange values for the GA drawing size is solved.
- [1671] Corrected dimensioning for folded beam drawings
- [1717] A particular problem where a beam was detailed with too many lines is solved.
- [1844] Modified detail titles in Process Suite are kept.
- [1878] Holes are created on secondary folds of a folded plate.
- [2007] Contour dimensions are created for unfolded beam drawings.
- [2079] Corrected line type for the “VisibleHidden Environment” presentation type
- [2079] Hollow sections create folding lines.
- [2085] Cuts keep their visibility status after a manual update.
- [2209] Corrected multiple label placing on a customer example
- [2241] Mirrored tubes have the same template as the original.
- [2256] Changed default value for “Weld size on drawings” is considered after drawing update.
- [2264] Hole hatch is correctly shown for tubes.
- [2316] The level symbol precision is shown according to the default value setting.
- [2319] Negative imperial level dimensions are shown correctly.
- [2391] A particular case with incorrect plate presentation is solved.
- [2407] A customer problem with object presentation in node details is corrected.
- [2494] Camera drawings had some additional lines on a customer drawing; this is corrected.
- [2606] Hatch is shown on folded plate drawings.
- [2625] Bolt labels are grouped correctly for a customer project.
- [2681] Grid lines are no longer in double for drawings created by selection window.
- [2712] Holes can be shown on unfolded curved beams with a symbol presentation.
- [2613], [2746], [3225], [3270], [3280], [3428], [3462] A stability problem in the drawing update on a customer project is corrected.
- [2771] Views are created at the UCS even if several assemblies are selected.
- [2808] Angle dimensions are created for beams with negative angle features.
- [2942] Hidden line objects are exploded to the defined layer.
- [2954] A stability problem during the drawing creation on a customer model is corrected.

- [2966] Batch explodes contain AutoCAD 2007 and 2010 dwg file formats.
- [3054] Corrected dimension value on a particular customer drawing
- [3111] Assembly drawings are updating after elements are added to them in the model.
- [3119] Drawing unit settings are kept after a drawing update.
- [3195] Level symbols have snap points.
- [3243] A stability problem with the single part drawing creation on a customer project is corrected.
- [3308] Prototype files can be changed in the filename selection dialog box without any problems.
- [3321] Commodity number is kept in the detail title after an update.
- [3347] A particular case where a drawing could not be printed in the batch plot is solved.
- [3563] Drawing header updates correctly the changed scales.

## **DSTV-NC/CAM FILES**

- [299] A new option is available to define the view direction in NC files on hollow sections; this is particularly necessary for the compliancy with Peddinghaus machines.
- [2223] Tubes and hollow profiles are treated like normal beams depending on the default settings and will provide the complete header data including saw cut information.
- [3139] It is possible to create NC files from folded plates with weld preparations.

## **IMPORT/EXPORT**

- [2169] SDNF export prompts correctly for missing conversion sections.
- [2547] SDNF import creates the plates at the correct position.
- [2925] Export to GTC works on a specific customer project.
- [3184] CIS/2 export works on a specific customer project.
- [3277] Export to PML works on a specific customer project.

## **JOINTS**

- [1533] Tension rods: System diameter is displayed correctly.
- [2124] A particular problem on a customer project where bolt settings in the dialog box did not correspond to the settings in the model is corrected.
- [2143] BracingToPlate: Small gusset plate contour correction
- [2148] DoubleSideClipAngle: Reduced bolt amount is created correctly.
- [2152] HaunchPlateFlange: Stiffener welds are controlled by the joint.
- [2152] HaunchPlateFlange: Predefined remark can be changed on the object level.
- [2253] NonContinuousPurlin: Stays are created with correct orientations.
- [2350] Common standard joints work correctly on polybeams as main members.
- [2489] ShearPlate: A specific case where the plate type could not be changed is corrected.
- [2788] Bolt cleat option works correctly for the generic double purlin connection.
- [2960] ThroughPlate: Plates are correctly created even for offset beams.
- [3000] Stiffeners work correctly on polybeams.
- [3432] HSSMiddleBracing: Cover plates can be added in any situation.
- [3442] Cladding works correctly for polygonal contours.

## **JOINT DESIGN**

- Many small corrections in various connections.

## **MODELING**

- [2078] Improved clash check on a particular customer case.
- [2105] “Copy by template” works correctly on mirrored situations.
- [2175] “Tube to plate connection” can be copied by template.
- [2243] A special case of plate contours created by exact contour creates the expected plate contours.
- [2566] Improved stability for clash check on a customer model
- [2627] Explode to ACIS works correctly for beams with copes.
- [2926] Polybeams exploded to ACIS keep the correct position.
- [3135] An unnecessary warning message when placing the UCS in a customer model will no longer appear.
- [3534] Flat polybeams keep their orientation after stretching them.
- [3565] Correct unfolding of a particular folded plate example.

## **MISCELLANEOUS**

- [2210] Corrected bolt length for norm 7798-70.
- [3108] Stability improvement on snap point detection when many snap options are selected.
- [3137] Weld preparations on folded plates are considered for the check-in to the multi-user master model.
- [3686] Ayrshire floor beams are recognized by the “move to cold rolled layer” command.
- [3942] SetOfBolts entries can be merged from older Versions.

## **NUMBERING**

- [2212] Numbering detects identical objects even if the main part is a special part.
- [3062] Improved identical main part detection for complex assemblies.
- [3378] Improved identical part detection for plates.
- [3557] Special part numbers can be assigned from standard part templates.

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**Note:**

The number in brackets [xxx] is the GRAITEC Helpdesk reference.