

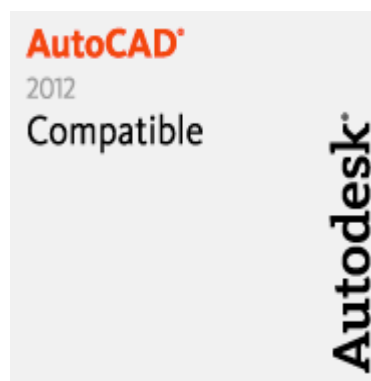
# Advance Steel 2011 / SP1

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This document describes the improvements in **Service Pack 1** for **Advance Steel 2011**.

**Advance Steel 2011 SP1 is AutoCAD 2012 compliant!**



## **BOM/LISTS**

- [635], [3925], [3926], [4265] Nuts and washers are shown with their standards on exploded bolt/anchor lists.
- [3253] A precision inconsistency with imperial dimensions on lists is corrected.
- [3279] Cladding profiles appear on lists even if they are assigned to Lot/Phases.
- [3380] Anchor names are shown on lists according to the default settings.
- [3439] Token for “Exact weight” can be used on DStV lists.
- [3726] An instability with the model object selection dialog box is solved.
- [3973] The maximum model extract name is set to 46 characters.
- [3991] Corrected list export to Excel.
- [4258] Updated angle information on saw cut list pictures.
- [4294] Translation update for BOM on drawing token “%Class”.
- [4286] Templates from the “Drawing” category can be saved after modifying cell sizes.

## **DETAILING**

- After a drawing is registered to a model, the corresponding drawing lists are also automatically registered.
- Drawing list texts can be previewed in the Document Manager.
- Level symbols from levels can be detailed.
- Models done with Advance Steel & Concrete can be detailed in Advance Steel.
- [446] Improved presentation option for bolt holes to be shown as visible and not be hidden by the bolt.
- [2606] A particular case where non perpendicular hole hatches do not appear on overview drawings is corrected.
- [2712] Top and front view for curved beam drawings are correctly aligned.
- [2808] Angle dimensions are created for beams with negative angle features.
- [2942] Hidden line objects are exploded to the defined layer.
- [2966] It is possible to explode drawings to AutoCAD 2007 and 2010 formats in addition to the already possible 2009 formats.
- [3119] Drawing unit settings are kept after a drawing update.
- [3195] Level symbols have snap points.
- [3210] Improved combined labeling for almost hidden objects.
- [3230] Drawing process suite does not only use the first configured process.
- [3321] Commodity number is kept in the detail title after an update.
- [3337] Improved revision cloud display for very narrow marked objects.
- [3407] Improved environment box size calculation in the Y direction.
- [3428], [3462] A stability problem in the drawing update on a customer project is corrected.
- [3528] The cut symbols are correctly shown according to the symbol size default.
- [3536] Revision index for clouds around labels without a leader line can be moved.
- [3544] The token for “Bolt quantity” also works on anchor objects.
- [3620] A particular case where two identical dimension lines show different values is corrected.
- [3724] A particular case when a certain drawing appears in double is resolved.
- [3742] It is possible to select existing drawings in the left hand tree during the drawing creation process.
- [3748] Grid lines hidden by concrete objects are shown on drawings.

- [3761] Compass symbols are correctly detailed in camera details.
- [3762] It is possible to stop a drawing process by pressing ESC on the keyboard.
- [3771] A particular case where a folded plate could not be unfolded is solved.
- [3838] A particular case where grid references on beams are switched is corrected.
- [3870] Dimension lines keep their layer assignment even after a drawing revision.
- [3872] Manual dimensions on hidden objects remain associated to the hidden objects after an update.
- [3954] Slope triangles work for attached parts.
- [4010] Manual dimension on objects detailed with “single line” presentation are kept after an update.
- [4012] A problem with sloped linear dimensions and inverted selection points is corrected.
- [4013] Sloped dimension lines keep their position after a drawing update.
- [4021] It is possible to update the author/date/description field for an already created revision index.
- [4036] “Part mark” token displays the part mark according to the respective single part/assembly part information.
- [4116], [4142] Manual dimensions keep their position after a drawing update.
- [4147] A stability problem with changing the text width factor in the label designer is corrected.
- [4160] A stability problem with assembly detailing on a particular model is corrected.
- [4235] Distance between the label and the object can be smaller than 1mm.
- [4298] Drawing process works also for the selected option “...position can be set”.
- [4300] A particular case where the grid reference token in detail title does not show any information is corrected.
- [4414] A stability problem with the batch plot on AutoCAD 2009 is corrected.
- [4479] Manual dimensions are placed correctly on details with a rotated user coordinate system.
- [4531] A problem with missing leader lines for dimensions is corrected.
- [4532] A problem with deleted manual dimensions after an update is corrected.
- [4593] Corrected dimension line arrow orientation for sloped dimension lines.
- [4623] Improved sorting in the Document Manager.

## **DSTV-NC FILES**

- Scribing information is shown as partial lines in NC files.
- Scribing is not shown on attached parts, just on the main parts.
- [299] A new option is available to define the view direction in NC files on hollow sections; this is particularly necessary for 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.
- [4435] A special case where the main contour and the scribing contour do not perfectly match is corrected.

## **GRAITEC ADVANCE MANAGER**

### **Bolt Editor:**

- Creating a new bolt assembly allows also immediate assignment of new bolt length calculations.
- [3412] “Apply” keeps the original assigned name unless changed by the user.
- [3926] Corrected database entries for washers and nut materials.
- [4075] Un-check the option “Automatic lengths calculation” is saved.

## **IMPORT/EXPORT**

- Isolated footings are exported to GTC files.
- [3426] Haunch objects are correctly imported from GTC files.
- [3454] Corrected section mapping between PDMSN and Advance Steel.
- [4115] PSS export writes the folded plate name to the structure.
- [4185] Concrete slab contours are exported to IFC.
- [4185] Folded beams are correctly exported to IFC.
- [4187] Curved grid lines are shown correctly in 3Ddwf files.

## **JOINTS**

- Railing: New possibility to connect straight and curved handrails.
- [840] Base plates: New possibility to create shim plates without having leveling plates.
- [1782] Stair: Plate and grating behavior can be changed in the object properties.
- [1980] Tension rods: A diameter change is immediately reflected in the dialog box.
- [3040] HssBracingComplex: Member connection supports the long leg option for unequal angles.
- [3252] A stability problem with obsolete joint boxes in a client model is solved.
- [3328] A particular case where the “Splice & Moment connection” functionality connects the not desired members is corrected.
- [3442] Cladding works correctly for polygonal contours.
- [3475] Base plate: The hole tolerance change is correctly created in the washer plate.
- [3493] Railing: Corrected profile rotation for railing ends.
- [3559] Railing anchor: Corrected connection type welded-bolted.
- [3560] Railing anchor: Corrected behavior for long leg option for unequal angles.
- [3587] Stairs: Selecting “Same for rear” is updating correctly the rear landing.
- [3624] The railing on the landing is updated according to the changes in the stair macro.
- [3799] BracingToPlate: Improved stiffener behavior.
- [3822] Stair: Updated user tread for tread type 24.
- [3824] A particular case where the cladding profile was not updated by the joint is corrected.
- [3890] Stair: Corrected text for connection elements.
- [3931] Railing: Corrected sloped distance parameter for post connections.
- [3948] SE Purlins: Distance reference to reference point does not change the section orientation anymore.
- [3961] SE Purlins: The eaves beam vertical offset moves the beam only vertical.
- [4045] Stair: Tread material and coating can be changed in the object properties.

- [4048] A particular problem with the joint End plates, 2 angles, where the box turns red is corrected.
- [4071] A particular model where the railing is not created according to the selected points is corrected.
- [4074] Platform plate: Corrected visibility for stiffener welds.
- [4078] Stair: Corrected orientation for bottom landing cover grating.
- [4085] Shear plate works on polybeams.
- [4117] Cap plate: An incorrect length increase after an update is corrected.
- [4174] Railing: Welds remain for middle handrail offset.
- [4211] A particular problem with the connection of handrails is corrected.
- [4254] Tension rods: Corrected diagonal bracing lengths for non parallel support beams.
- [4281] Railing: Corrected bottom distance for kick rail.
- [4263] Through plate: A problem with a specific set out distance is corrected.
- [4326] Railing: Cover plate created by "By bar" changes correctly its shape to match the post section.
- [4341] Mezzanine floor: End gap parameter is read from library.
- [4351] Spiral stair: Uncheck creates first tread and correctly updates the railing in a particular model.
- [4460] Improved stiffener behavior on curved beams.
- [4484] Railing: All necessary objects for the welded post connection with plate are connected.
- [4510] Changing the cladding section in the macro keeps the assigned part marks.
- [4522] Double side end plate drills holes correctly on extended beams.
- [4607] Clip angle: A particular problem where the holes in the main beam are not visible is corrected.
- [4616] Cage ladder is correctly created for user coordinate systems different from the world coordinate system.

## **LICENSE**

### **Network license:**

A new possibility to tune the license server in order to allow or deny client computers accessing licenses has been developed.

This new functionality is especially useful for companies having 2 or more heterogeneous Advance Steel licenses (for example, AS.P6N and AS.P7N) installed on the same server. From Advance Steel 2011 – SP1, the administrator will have the possibility to allow computer A access to only AS.P6N and computer B access to AS.P7N.

## **LOCALIZATION**

- Connection Vault Help Text is available in Czech, Chinese, English, French (Canada), German, Japanese, Polish and Traditional Chinese.
- Correction for French translation.
- Correction for French Quick Document examples.
- Correction for Ribbon menu translations.
- Changed force abbreviation for joint design in the UK Version.
- Additional Ultra Beam sections
- New Redman Fischer gratings
- Russian bolt update
- New Russian anchors
- [4517] FourDiag\_MiddleGusset\_New works on French installation.

## **MODELING**

- All grid properties can be matched.
- Improved joining of concrete objects in the model.
- Multi Edit works for isolated footings.
- Explode of polybeams to ACIS considers all shortenings.
- Creating a wood section remembers the last selected size.
- Weld preparations can be created on contours that do not have the "straight cut" option selected.
- Increased tolerance for merging beams.
- [282], [3675] Gratings are calculated with the weight defined in the library for the "Standard Package" license.
- [2078] Improved clash check on a particular customer case.
- [3208] A special situation where the "Cut plate at UCS" command leaves a remaining small corner, is solved.
- [3242] Folded beams can be created on certain non-continuous polylines.
- [3398] Changed dialog box text for rectangular plate dimensions.
- [3422] Updated FORSTER section shapes.
- [3427] A particular situation where the "Copy by template, multiple" command offset the bolts is corrected.
- [3509] It is possible to snap the grid line intersections.
- [3514] Improved quick view on objects for sloped & skewed objects.
- [3552] Copying an anchor also copies the hole.
- [3597] Double fillet weld allows parameter settings for the lower weld.
- [3610], [3773] Explode to ACIS objects is available for Concrete and Wood elements.
- [3616] A situation where bolt holes in joints from previous Versions are not correctly converted to the latest Release is corrected.
- [3731] Turn off assembly hides the folded plate relations.
- [3743] The model browser immediately displays the beam lengths when selected.
- [3841] The weight calculation for "Stainless Steel" is corrected.
- [3880] A stability problem when copying a model to another file is corrected.
- [3986] It is possible to snap the holes by their center point.
- [3987] Improved model view display for custom user coordinate systems.
- [4005] Fischer Thermo profiles have an updated height.

- [4070] A particular problem where a weld preparation could not be created is corrected.
- [4127] Improved steel checking for hole patterns that have a correct minimum distance between them.
- [4156] Improved concrete slab joining to walls.
- [4193] Possibility to add/remove objects to an anchor connection.
- [4251] Possibility to have a small gap between the concrete objects instead of joining them.
- [4252] Updated Ayrshire CN and Schrag CL section shapes.
- [4264] Multi Edit for anchors also works if the anchors are selected by a crossing window.
- [4364] Bolt holes in folded plates keep their hole settings after the folded plate relation is removed.

## **MISCELLANEOUS**

- [3326] Better dialog support for Windows 7 text magnification settings.
- [3345] Entries in table SetOfBolts can be merged from Advance Steel 2010 to 2011.
- [3431] The “Quick View” functionality works with the Advance Steel viewer license.
- [3525] Bolt diameters are sorted by their name.
- [3570] It is possible to pan in the Document Manager preview.
- [3992], [4360] Section groups are displayed according to the preferred settings.
- [4043] Merging sections from Advance Steel 2010 to 2011 keeps the correct language translation.
- [4095] Improved picture in the hollow profile dialog box.
- [4119] A problem with the plate mapping is solved.
- [4396] The structural element box for stairs is visible in the model views.
- [4441] All/none selection button in the match properties dialog box un-checks all options.

## **NUMBERING**

- [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.
- [3814] A particular case where copied assemblies get different part marks is corrected.
- [3967] A particular case where mirrored objects get different part marks is corrected.
- [3964] Prefix changes from “match properties” are kept after a renumbering.
- [4410] A particular case where objects could not be given a part mark is corrected.
- [4599] A particular case where mirrored assemblies got different part marks is corrected.
- [4618] A problem with the default for holes in standard part templates together with special parts is corrected.

## **PROJECT EXPLORER**

- Improved model view display.
- Project Explorer remembers its last status also for new projects.
- Improved speed for changing levels.
- [3162] Improved element display when working with multiple structures.

## **RIBBON**

- Improved alternating between Advance Steel 2010 and 2011.
- Improved running Advance Steel 2011 with other AutoCAD 3<sup>rd</sup> party applications.
- Improved running Advance Steel 2011 with Autodesk vertical applications.

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### **Note:**

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