Advance Steel 2010 / SP4

This document describes the most important improvements in **Service Pack 4** for **Advance Steel 2010**.

Advance Steel 2010 SP4 is ACAD 2011 compliant!

AutoCAD 2011 Compliancy

Advance Steel 2010 SP4 is compliant with the latest version of AutoCAD®: **AutoCAD 2011**

BOM/LISTS

- [760] Quantity in phase is correct with token "%Num"
- [1099] Dimensions for web/flange tokens are correct for mirrored elements
- [1660] Correct weight display for compound profiles
- [1817] A problem with empty lines on a list for a specific customer model is correct.

DETAILING

- Duplicated grid lines do not appear anymore on overview drawings
- [491] Special parts are shown on detail nodes created by selection and pick box
- [561] XY view port settings no longer ask for detail box selection
- [707] The detail color reflects the drawing style definition
- [922] ACIS from Xref files are detailed on overview drawings
- [997] A particular case where joint objects are not detailed has been corrected
- [1158] Turned off grid labels remain turned off after detail updates
- [1159] Modifications on angle dimension grip points stretch the points correctly
- [1206] Manual cut view symbols are correctly updated after a detail rearrangement
- [1389] A particular case where BOM on drawings do not update has been corrected
- [1396] System lines in a particular customer detail keep their position after a detail update
- [1422], [1423] Updating dimension lines keep the dimension text position
- [1437] A stability problem on a particular customer model is solved
- [1440] Orientation symbols keep their position after a detail update
- [1503] A particular case where an overview drawing could not be updated is corrected
- [1529] Special parts appear on node details after they are moved
- [1530] Default settings for imperial unit presentations are forwarded to the BOM on drawings
- [1536] Process creation considers the part mark range selection
- [1554] A problem with the imperial fractional dimension text display is corrected
- [1557] Tube templates from a special customer case are correctly created
- [1615] It is again possible to detail square hollow profiles unfolded on drawings
- [1717] A particular problem with a beam presentation is solved

- [1765] A special case where end plate views have been rotated due to a modeling error is corrected.
- [1816] Label arrangement “Arrange in object center” works correctly
- [1817] Changing prototypes on older ACAD platforms keeps the page frame
- [1821] Improved grid color behavior on drawings
- [1844] Compass and level symbols are shown on drawings created by pick box
- [1847] Continuous weld symbol presentation stays correct after an update

DSTV-NC/CAM FILES

- [1398] CAM files are created again in ANSI format
- [1546] Corrected DXF output for folded beams with features

IMPORT/EXPORT

- [1795] PML export writes the plate coordinates
- [1917] A problem with the mapping for UPN profiles is solved

JOINTS

- FlangeHaunch: Rib stiffeners can be created without restrictions
- Tube bracings: Distance layout “Square to main” works correctly
- [590] Stair anchor: Corrected vertical leg dimensions
- [1017] FlangeHaunch: works on curved rafter
- [1075] PlatformPlate: Additional welds are available
- [1126] A particular case where the gusset plates are offset is corrected
- [1154] HSSBracing joints work also on offset beams
- [1168] HSSBracingMiddle allows turning off the tab plate
- [1251], [1419] SingleSideEndPlate allows to invert bolts
- [1254] A stability problem with the spiral stairs is solved
- [1300] Stair: Tread type 1 no longer creates double holes
- [1338] Stair anchor: Corrected vertical leg extension according to offset UCS
- [1384] DoublePurlinPlateCleat: corrected bolt arrangement
- [1364], [1492] Gusset bracings have corrected cover plate dimensions
- [1392] An unexpected behavior with the joint copy tool is solved
- [1485] SingleSideEndPlate: corrected weld position on Channels
- [1541] Tube bracings have corrected distance settings
- [1612] Purlin splice: Corrected bolt parameters
- [1728] SinglePurlin: Metsec standard cleats are added
- [1755] Double beam to column joint creates packer plates underneath the smaller beam.
- [1775] DoubleSideClipAngle: Angles are correctly moved according to the stagger setting.
- [1781] Single tube bracing: Welds connect the intended objects.
- [1735] Four diagonal gusset plate joint works on the US installation.
- [1850] ClipAngle: corrected back mark distance
- [2006] MomentEndPlate does not create oval holes.

JOINT DESIGN

- FrontPlateSplice uses combined axial and shear load verification
- [1165] SingleSideEndPlate correction for used bolt distances
- [1276] Cosmetic text change for the force fields

MODELING

- [1015] Grid lines are shown active model views
- [1172] A stability problem on a particular customer model when deleting profiles is corrected
- [1223], [1376], [1492] Some issues with the copy command are corrected
- [1277] “Show only selected objects” shows also the folded plate relations
- [1309] Overlapping holes are deleted by the Audit command
- [1447] A customer case where the plate from polyline was not correct is solved
- [1527] Corrected bolts for different grip lengths from a special customer database
- [1637] An issue with plate cut at UCS is solved.
- [1746] Move to cold rolled layer works for Metsec profiles.
- [1753] A stability problem with special part display in the model browser is solved.

NUMBERING

- [1675] Improved identical plate recognition for plates created by polygons with arcs.

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