

# **HS7.1 – AS4.2 / SP5**

## **What is new in SP5 ?**

### **MODELLING**

- Holes are now placed correctly after you mirror the profile of a beam
- Mirrored plates keep correct features
- `_hype_rotate2d_userconn` copy correctly treatments along a curved beam
- `_hype_mirror3d_userconn` creates correct relations between the copied objects
- Commands "`_hype_rotate3d_userconn`" or "`_hype_rotate2d_userconn`" now copy correctly the beams and also the joints between the beams
- Improvement of Numbering with option for unique member for objects
- Possibility to get access to the prefix of the object through the Lisp-API
- Prefix assignment do not ask anymore the question if the prefix shall be assigned automatically
- Bolt diameter 27 for 931/ISO 4014 has been added
- New anchor types for North American market have been added
- Function to merge 2 beams works fine on mirror-copied beams
- Function to split 2 beam works fine when the orientation is in y
- Function saw angle between 2 plates has been enhanced
- Clash checking : No more problem of clashes of bolts when using the default "Show bolt holes"
- Button for Prefix configuration added in toolbar for Dutch version of AS
- Using the initial value configuration (static data) for beams works fine
- Correct exact presentation of a beam (which happened after adding the circular contour) and grips all in the wrong place
- The mapping of plates now works fine for mirrored plates
- Weight (kg in Europe) and area units are set by default in Prototype
- Improvement of Audit functionality for Holes error

### **JOINTS**

- `_AstM4CrConByRule 1 ParamFit - Notch` do not disappear anymore if the incoming beam is changed
- `_AstM4CrConByRule 1 ParamFit` - Now works on U200/80/6 (section type: U kalt nach DIN 19210)
- `Rule _AstM4CrConByRule 1 H_Flange_Connection` - Correct length of bolt after modification of the diameter
- `Rule _AstM4CrConByRule 1 H_Flange_Connection` - improvements (can work with tubes of different sections)
- `Rule _AstM4CrConByRule 1 CompPipes_GussetPlate` works fine for 2 rotated tubes
- `Rule _AstM4CrConByRule 1 HR_CompPipes_TA` now works fine for Tubes
- Modification of the model role for the angle cleat coming from Joints is possible
- `Rule_HF_DStV_IW_Both` - The bolts on the web connect the right member
- Better feedback to user whether rule processing is finished or not for long-running rules
- Cuboid do not become anymore red with stiffeners on rafter with Haunch made of Plates
- Subjoint (which belongs to another Joint) is not anymore updated twice when updated
- `Rule _AstM4CrConByRule 1 UK2_DobPurlinPlateCleat` do not create unnecessary holes

## **DRAWINGS**

- Additional cut from detail now always offer list with drawing styles
- Details bolt symbols for bolts on both flanges of a beam is correct
- Stencil workshop drawings are created with correct circular/notch cuts at end of tubes
- Workshop drawing for folded plate : text for the direction of folding and orientation of the cross section are correct
- Unwinding approximation is improved
- Unwinded beam : The arrow in the exact representation on an beam with an offset now starts from the centre
- Dimension on clipped details shows the correct value (problems only on a customer sample)
- Adding labels now work in all cases
- Length (in the title text of the detail) of a curved beam made longer by a feature is correct
- In the Dutch version, the block title of drawings is now filled completely
- Document Manager : even with more than 1 camera, all of them are now correctly displayed in the list
- Document Manager : resolution of case when details which could be seen in the preview of the document manager, disappear from detail drawing when opening the drawing itself

## **BOM**

- Generation of a BOM works correctly even when set of bolts is not found
- BOM - sorting works fine for all fields
- BOM - correct weight of the stud shears
- Close the BOM Module do not give any error message
- BOM inside a drawing - display of lines and weight are now correct on customized BOM
- BOM Wizard - page orientation : the portrait and landscape settings are correct
- BOM Wizard - changed type of report is now kept after having been saved
- BOM Wizard - display problems in the template wizard between existing and new sub-template are solved
- BOM Wizard - edit function now available for "Report Contains" dialog
- Date is not anymore swapped inside BOMs (i.e. 9/12 or 12/9)
- The user can now save a BOM report by overwriting an existing one which has the same name

## **NC and DXF Files**

- NC Data - plate with holes made by features - radius in NC and DXF files are now correct
- NC Data - nc data for holes (feature) and rectangle features are now correct in the nc data
- Problems solved with unwinding RHS profiles during creation of NC data
- NC and DXF Files data for circular plates with holes

## **Management Tools**

- Default "Show bolt holes" is moved to the group of the "Connection elements"
- New system default to control if part numbers are copied with an object or not
- New functionality for the XSLT transformation inside the MT while creating report

## **AutoCAD 2004**

- Improvement of the OSNAP point configuration under ADT 2004
- Message in HS/AS "About" under AutoCAD 2004 has been corrected
- Labels do not disappear anymore when switching to ORTHO mode under AutoCAD 2004
- Problem of "command in progress" when using 3D Orbit, then save as, is solved under AutoCAD 2004
- Problems solved when using list command for a specific section, and when asking a BOM for a beam switched to "mirrored" under AutoCAD 2004
- Problems solved with one drawing / cannot save or audit under AutoCAD 2004