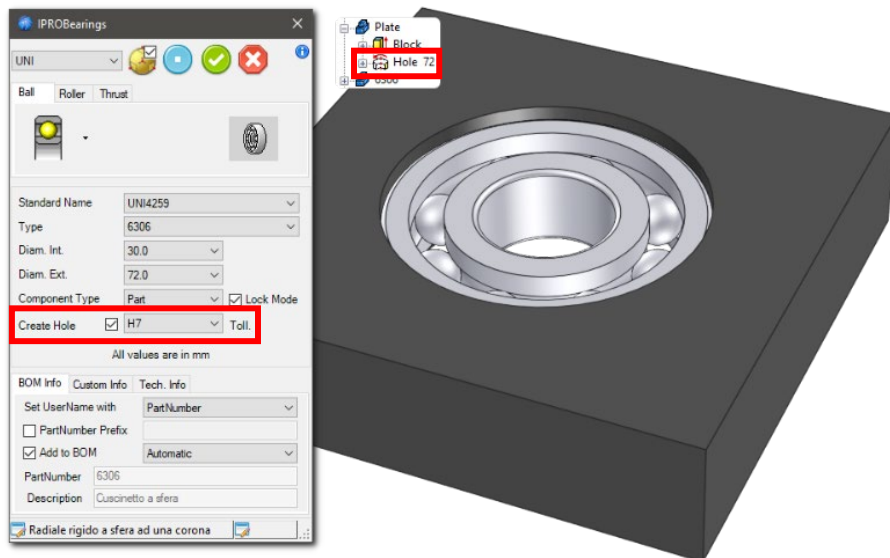


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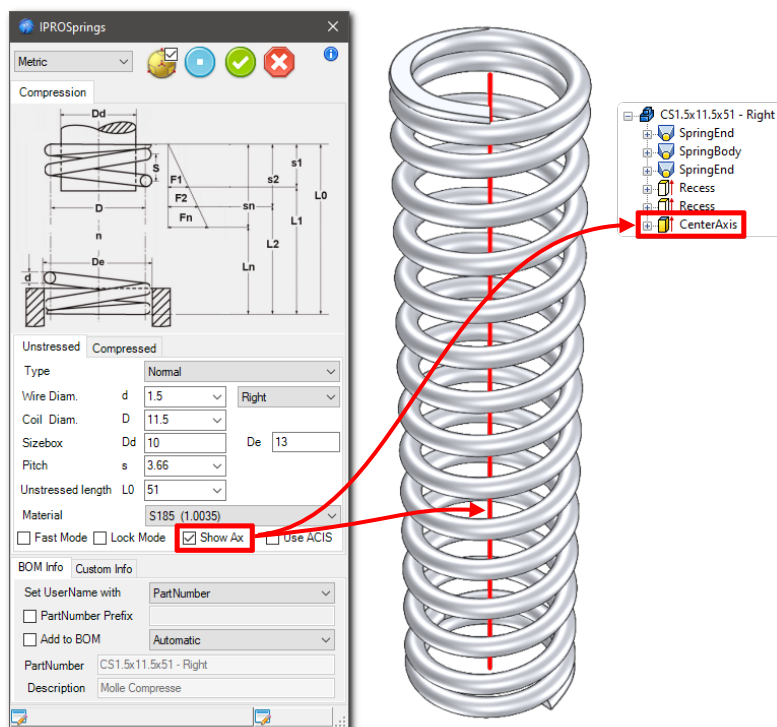
Bearings

Added option to create borehole equal to bearing outer diameter.



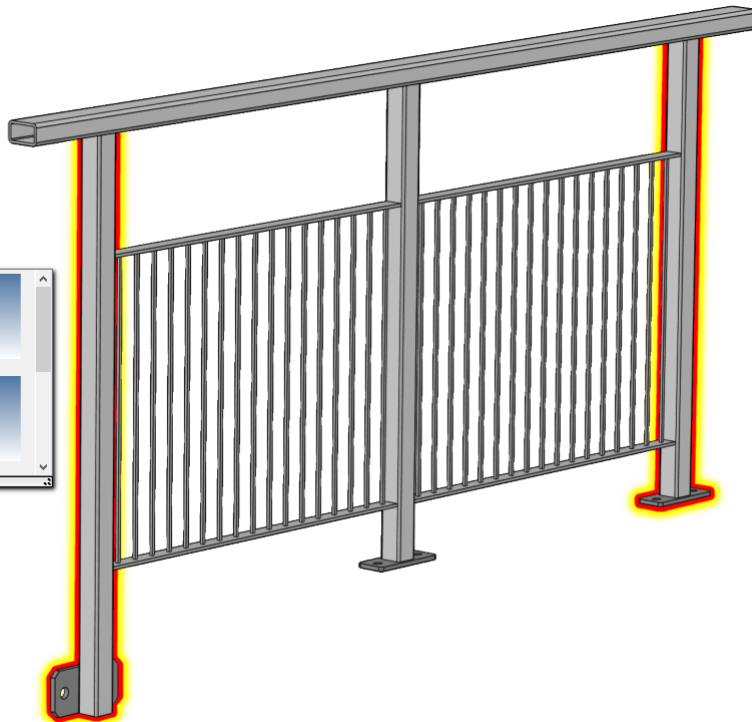
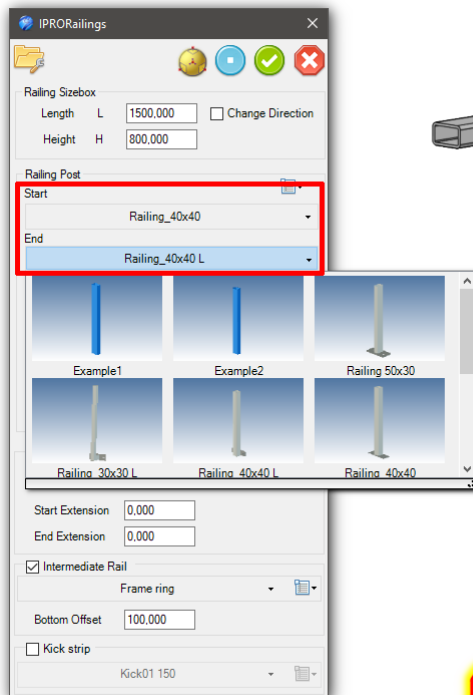
Springs

Added IntelliShape "CenterAxis" representing the axis of the spring.



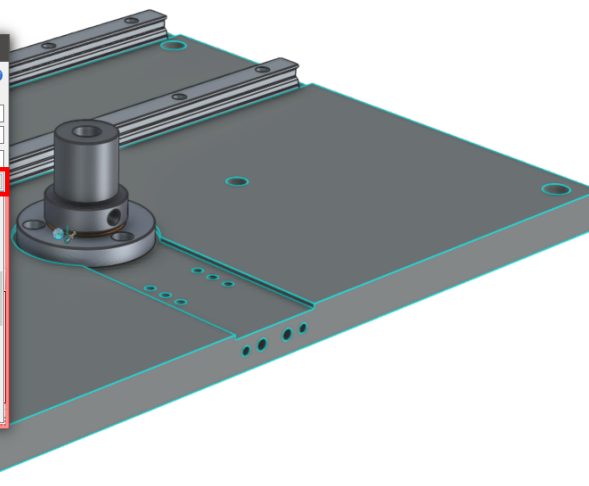
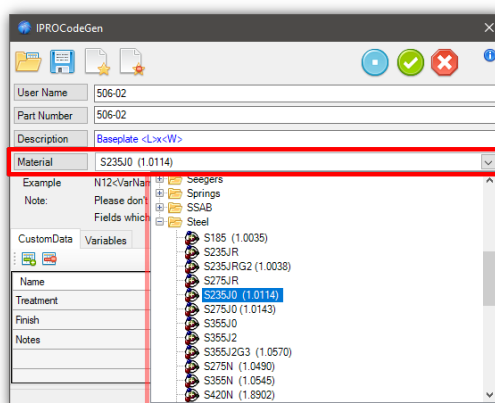
Railings

Added choice to specify initial and final Railing Post.



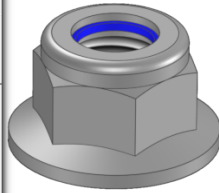
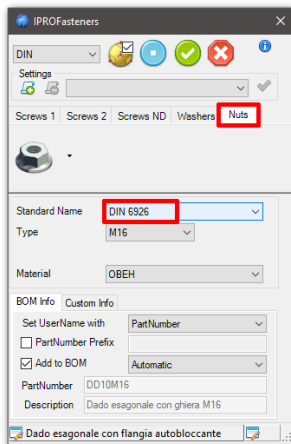
Code Generator

Added combo menu for material selection.



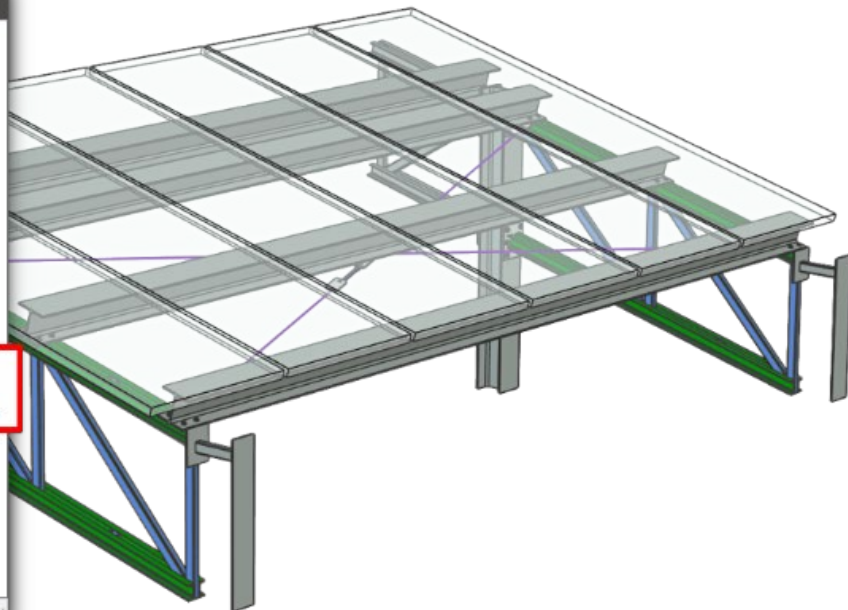
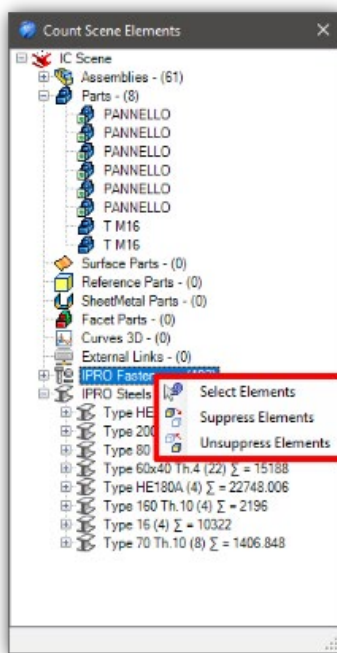
Fasteners

Added self-locking nut with flange DIN 6926.

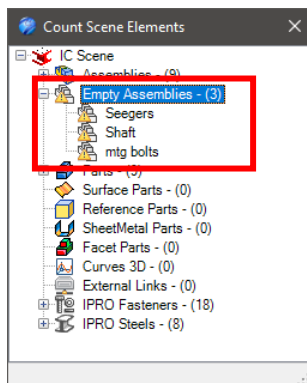


Count Elements

Added options to select, suppress/not suppress at treeview of Count Elements.

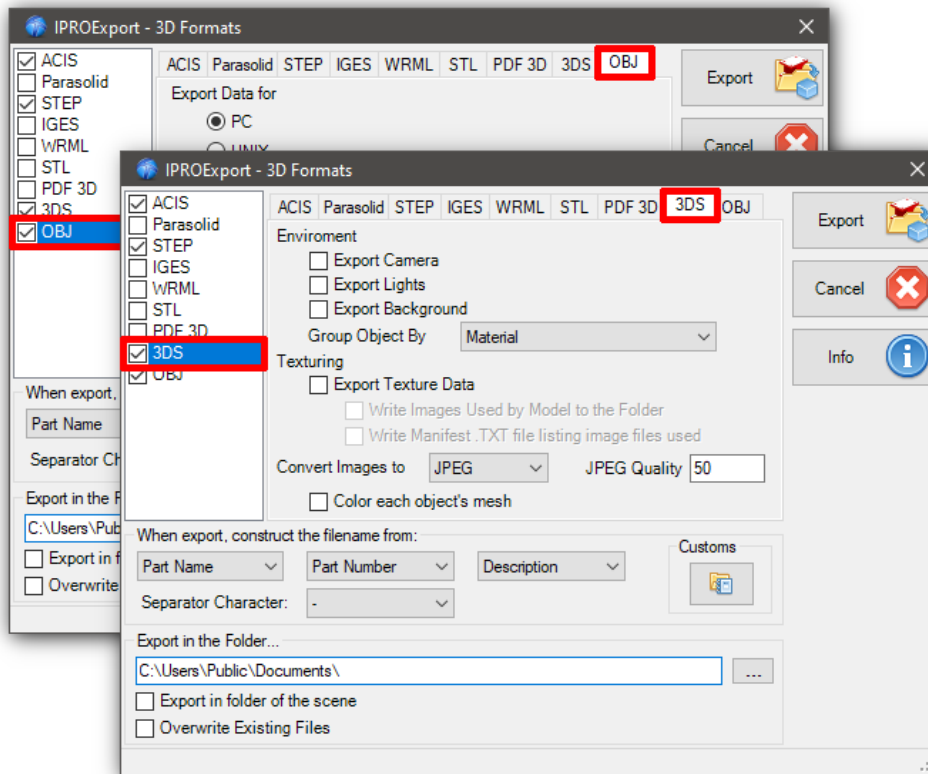


Added show the Empty Assemblies.



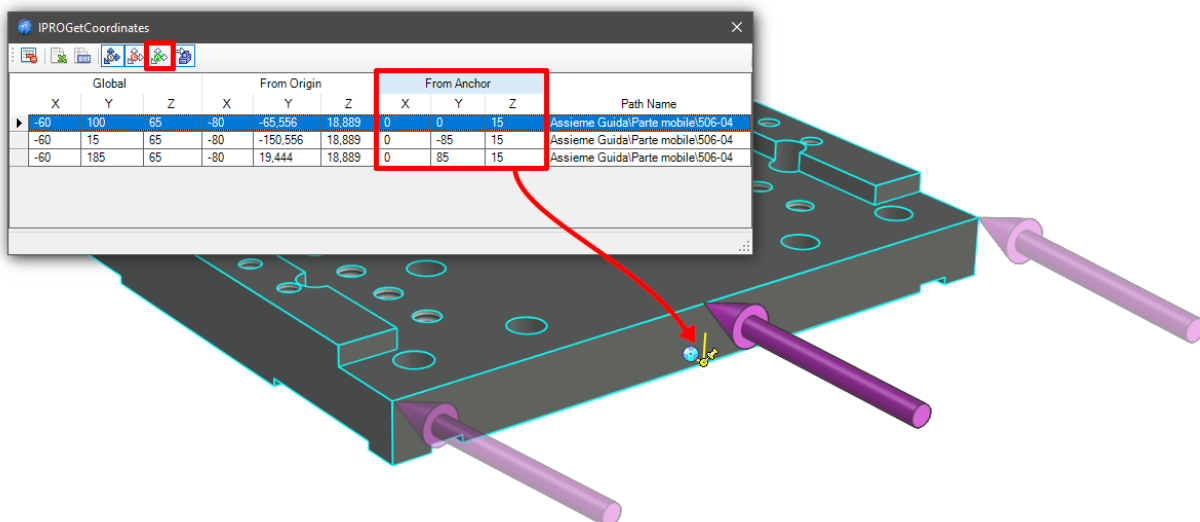
Export Elements

3DS and OBJ formats added to export options.



GetCoordinates

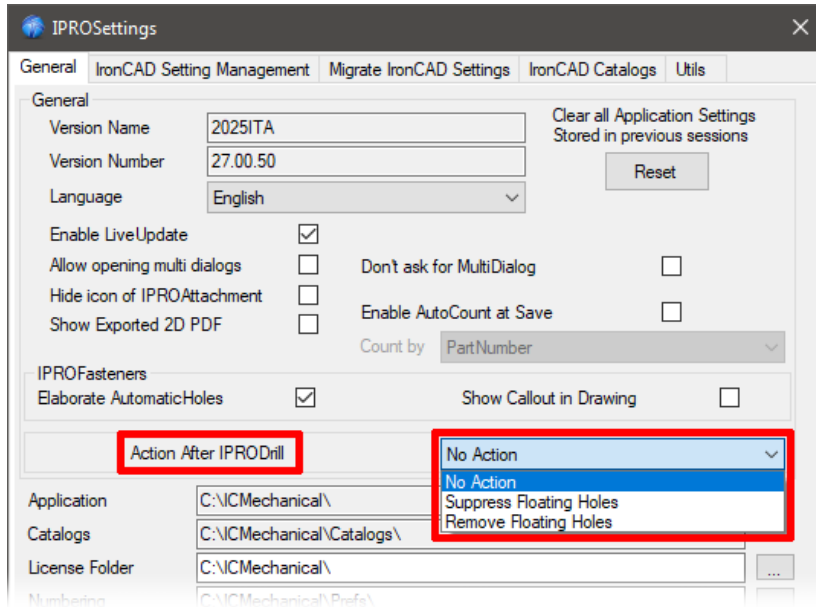
Also added the coordinate triad from the anchor of the chosen element to the command.



ProDrill

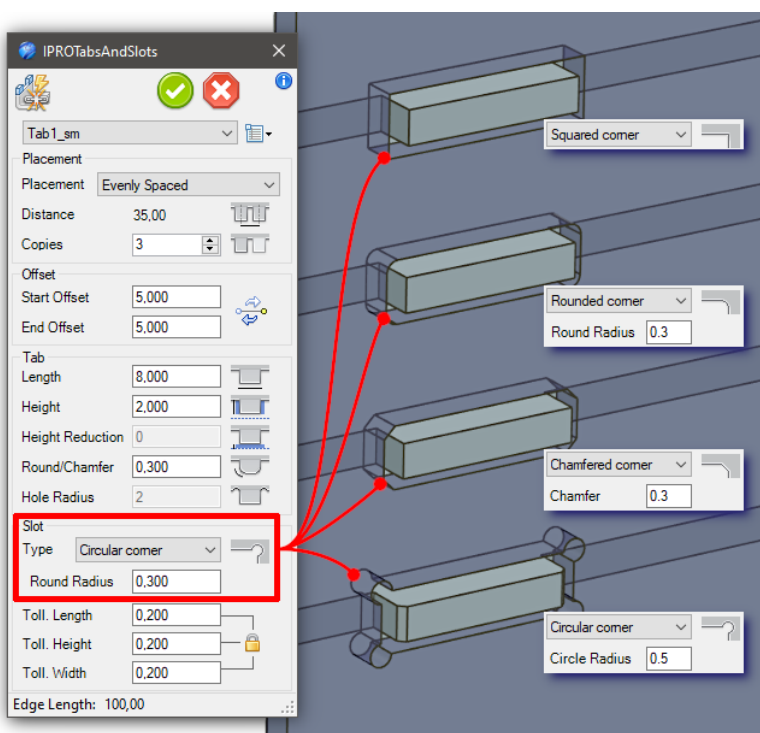
Significant improvement in tool processing, improved detection of part drills. The elaboration time has been dramatically reduced using a new method to evaluate the interferences.

This new option in IPROSettings, controls the behavior of the application in case of any floating holes generated.



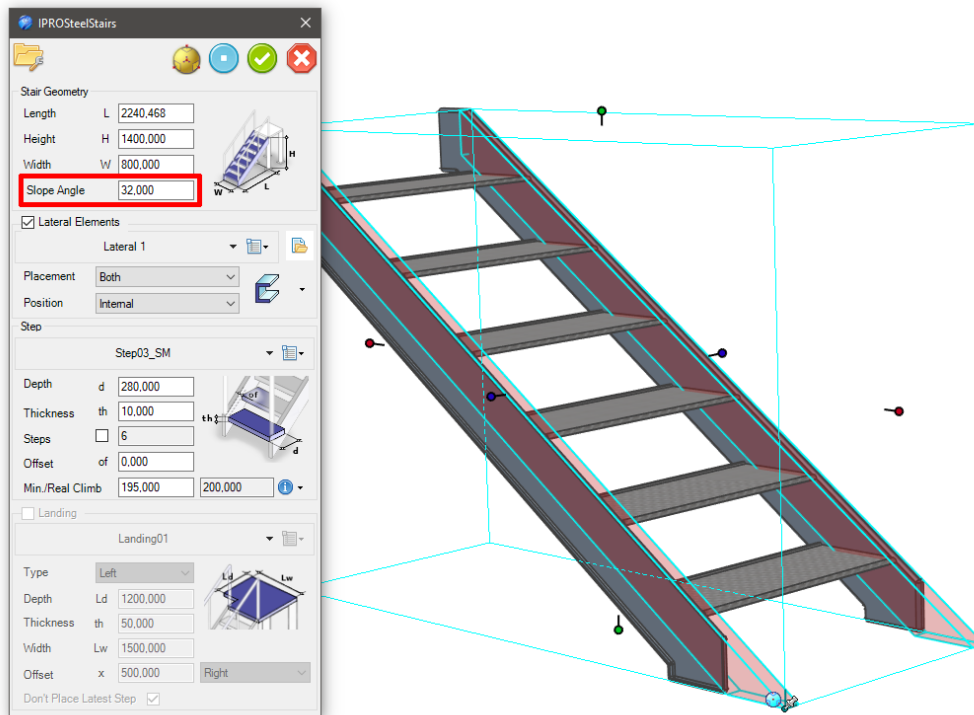
Create Tabs and Slots

The tool has been improved by separating Tab shapes from Slot shapes in the library elements. Regarding slots, the ability to select the type of shape to be used has been added between: Squared, Rounded, Chamfered and Circular. 



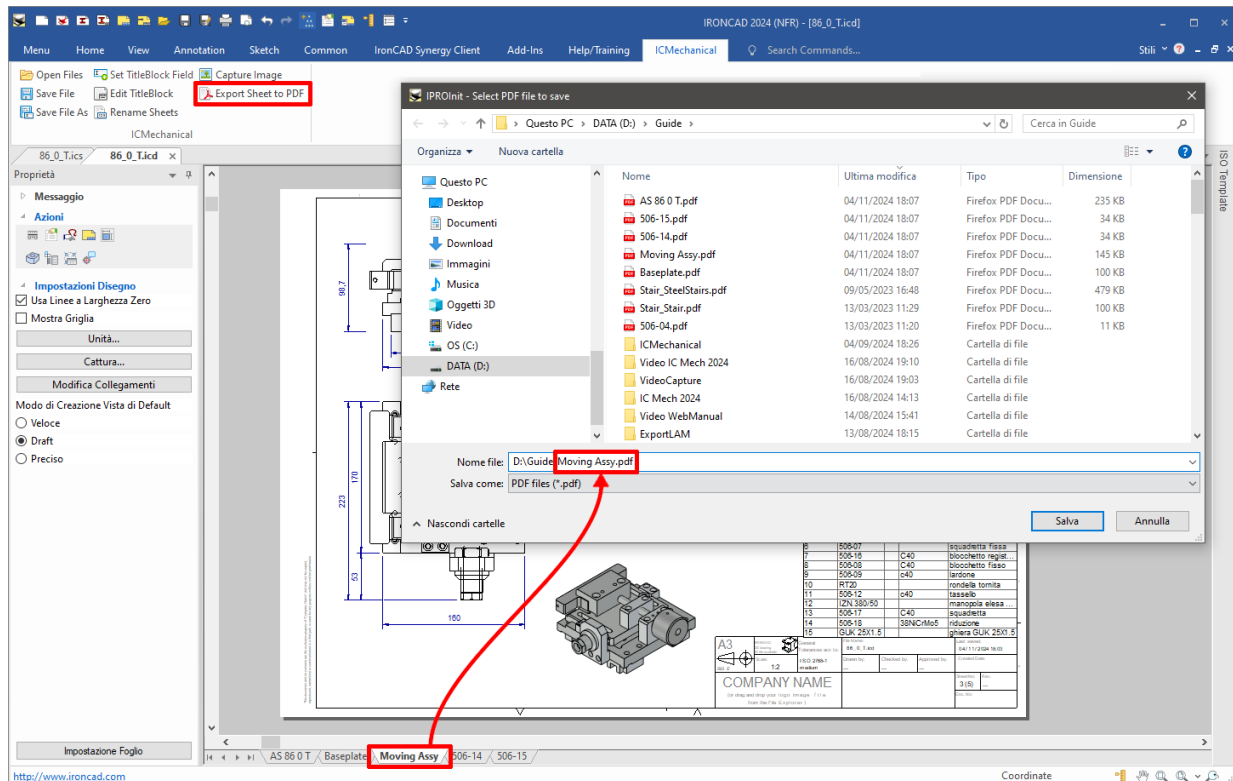
Stairs

It is now possible to enter the slope angle (previously read only) to define the scale size.



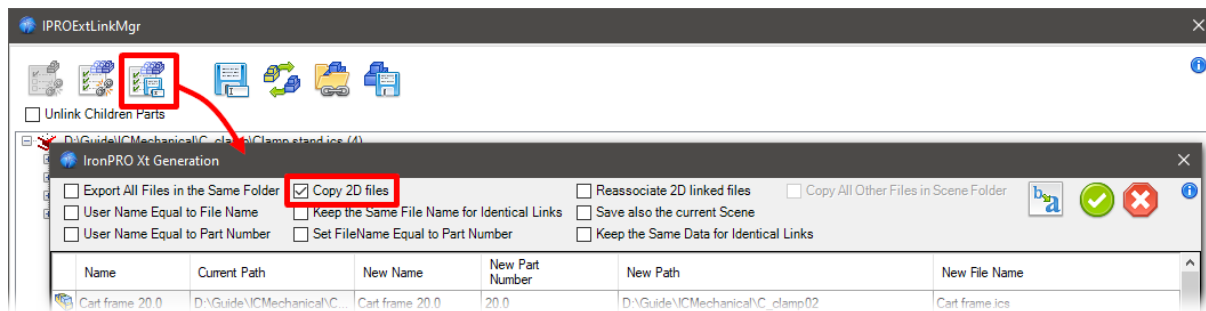
Export Sheet to PDF

PDF export of icd sheet uses as file name the name of the sheet



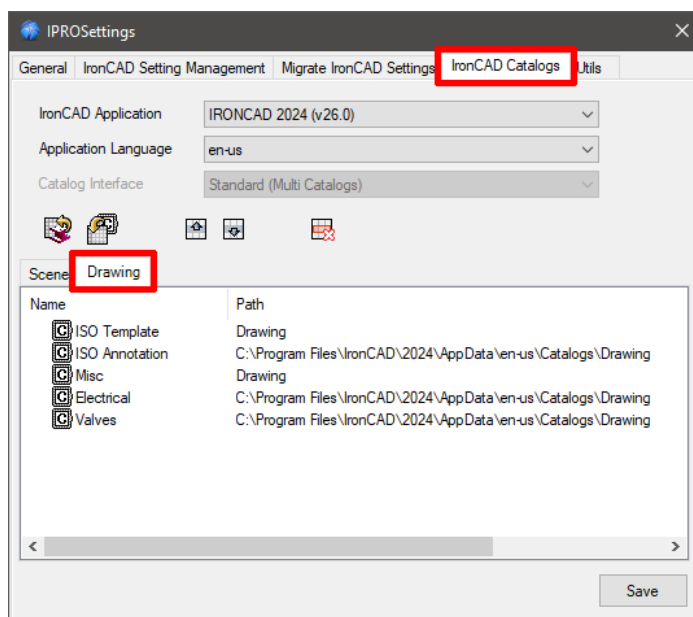
External Link Manager

When active, the “Copy 2D” option copy in the destination folder any existing files, having the name equal to the .ics file, and the extension equal to .icd or .exb. and .dwg.



Global Settings

Now, on the Catalog tab, you can also organize Catalog of Drawing.



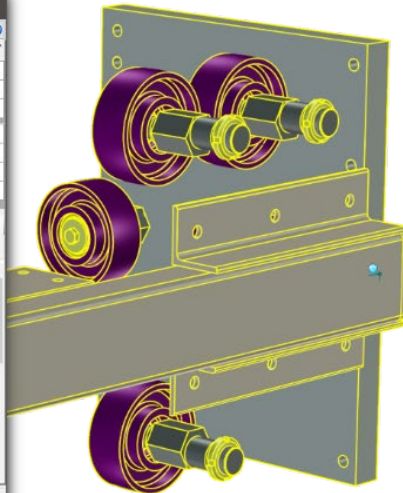
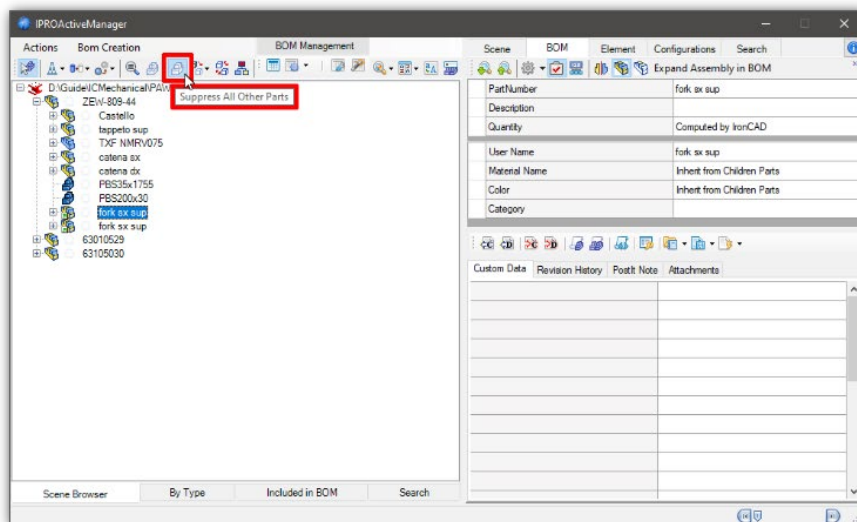
PROActiveManager

The PRO-Active Manager tool has been enhanced and improved with new features.

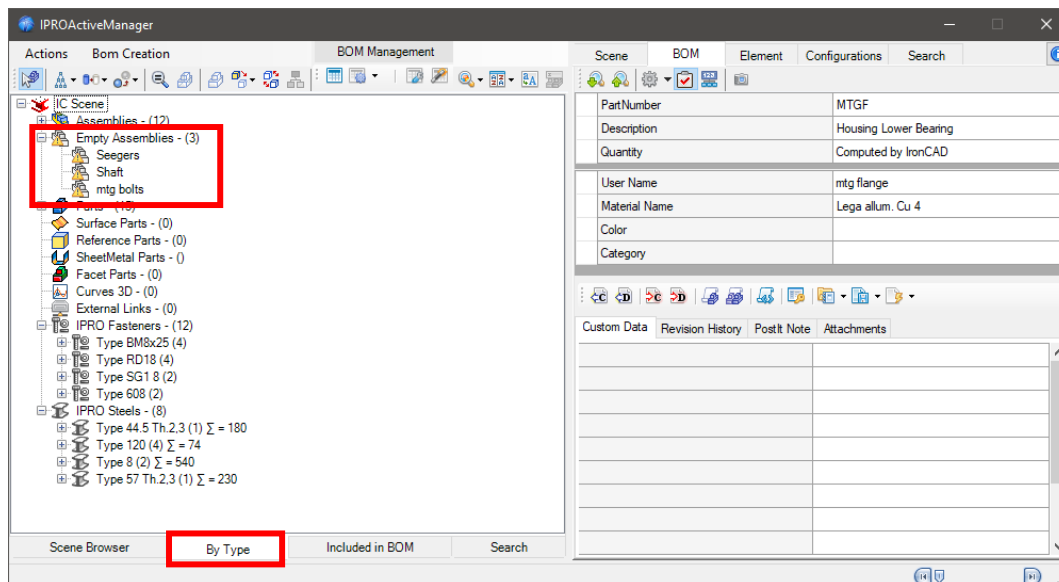


TreeView

The option to suppress all unselected elements, automatically executes the scene fit command.



On the By Type tab, show Empty Assemblies has been added.



SheetMetal

Improved BOM processing of sheet metal parts. Now sheets are developed only if there are bends or if they are curved. This reduces processing time and avoids configurations for sheets that remain flat.

Price Management

Price calculation is also done using the “formula” in Excel's Price column; this allows the use of a formula within square brackets [], where the valuation variable is defined by the % character.

For example, one can evaluate the price based on whether the length (or weight) is greater or less than a given value.

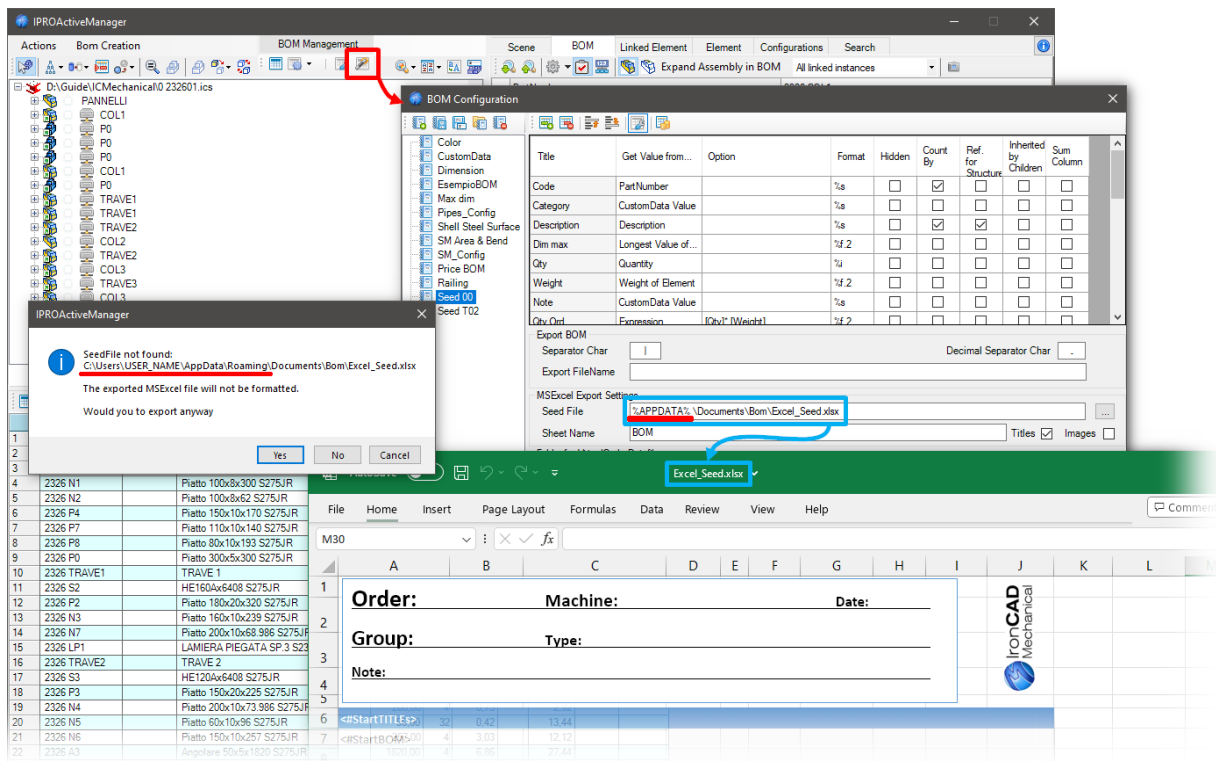
The screenshot displays the IPROActiveManager interface. On the left, the 'BOM Configuration' window shows a list of items with columns for Title, Get Value from..., Option, Format, Count By, Ref. for Structure, Inherited by Children, and Sum Column. The 'Price BOM' option is selected. On the right, an Excel spreadsheet is open, showing a table with columns: A (PriceCode), B (Price), C (Unit of Measure (Index)), D, E, F, G, H. The 'Price' column contains formulas like `if(% >= 0.8, 100, 50)` and `if(% > 20, 2, 1)`. A 'Unit of Measure List' is provided, listing units like 'Unit Price', 'by Linear Meter', 'by Square Meter', 'by Cube Meter', 'by Kg Weight', 'by Linear Millimeters', and 'by Cube Millimeters'. A text box titled 'Expression in Price' explains that the Price column can contain an Excel formula evaluated at the creation of the IPROActiveManager BOM, with the variable to be evaluated must be defined with the char % and an example formula `if(% > 20, 20, 10)` is given, where 20 mm is the unit of measure set to 20, and 10 is the calculated length greater than 200 mm, use the price 20, and 10 is the price in other cases.

BOMConfig

Added <STEEL_RAW> option to the weight calculation in BOMConfig. With this option, any cuts at the ends of the IPROSteels are suppressed before calculating the weight. In this way, the weight is that of the raw material without cuts.

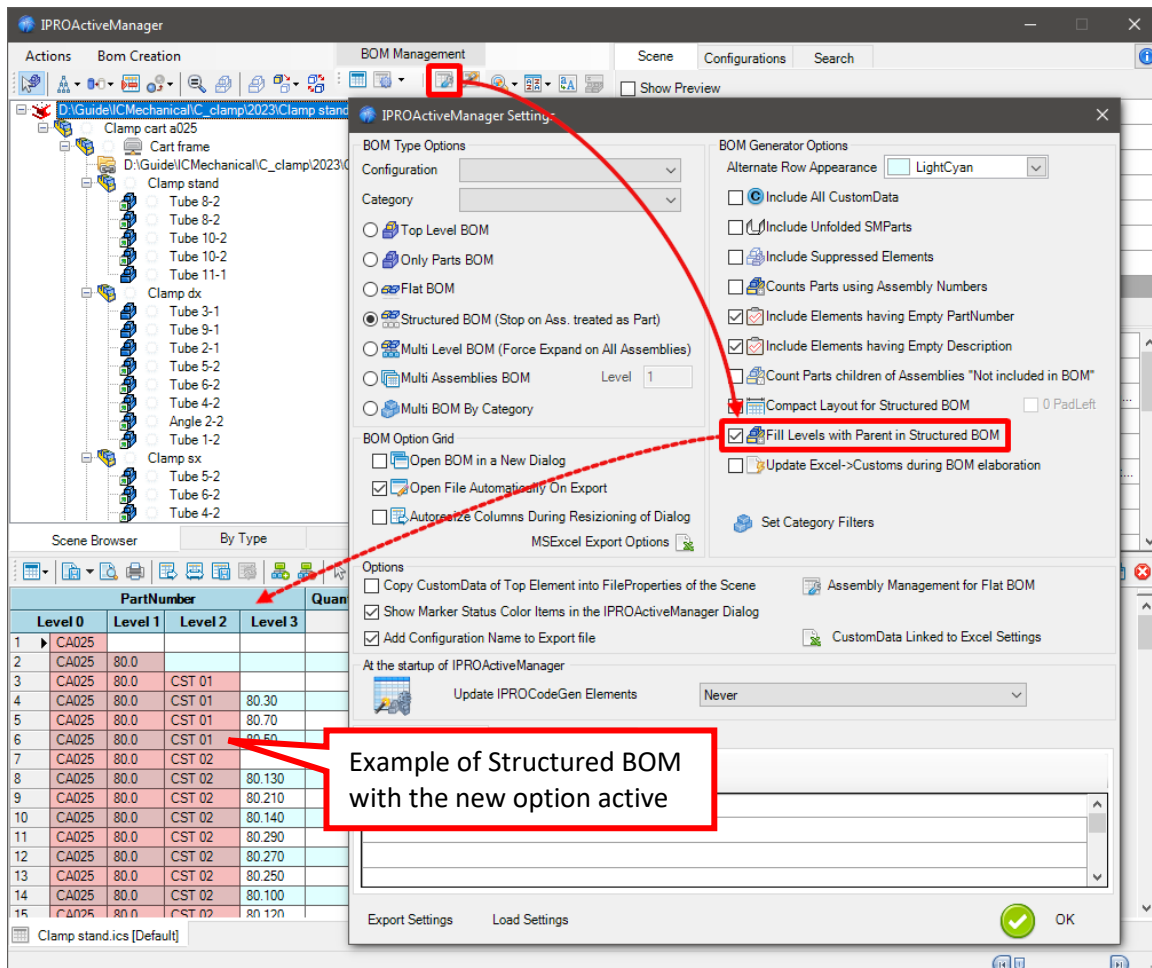
The screenshot displays the IPROActiveManager interface. On the left, the 'BOM Configuration' window shows a list of items with columns for Title, Get Value from..., Option, Format, Hidden, Count By, Ref. for Structure, Inherited by Children, and Sum Column. The 'Steel RAW' option is selected. On the right, a 3D model of a steel structure is shown, with a red arrow pointing to a specific steel beam. Below the 3D model, a table shows the results of the weight calculation, including columns for Part Num., Qty, Description, Material, Length Total, Weight RAW Total, Weight RAW Single, and Weight with CUT Single. The table shows that the 'Weight RAW Single' is 147.90 and the 'Weight with CUT Single' is 147.90, indicating that the weight calculation is based on the raw material without cuts.

In the BOMConfig dialog, you can define the string in the definition of the Excel file to be used as the template for the BOM export.



Bom General Options

This new option control the Level field in the case of Structured BOM



Example of Structured BOM with the new option active

General

A lot of improvements have been made inside the code order to ensure the reliability and the speed of the application. Furthermore, several new settings have been added to the tools in order to meet the requests of the customers.