



Evolution thro' Knowledge

E G S Computers India Pvt Ltd.

Engineering Global Solutions

Top Enhancements in 3DEXPERIENCE SOLIDWORKS & Collaborative designer for SOLIDWORKS

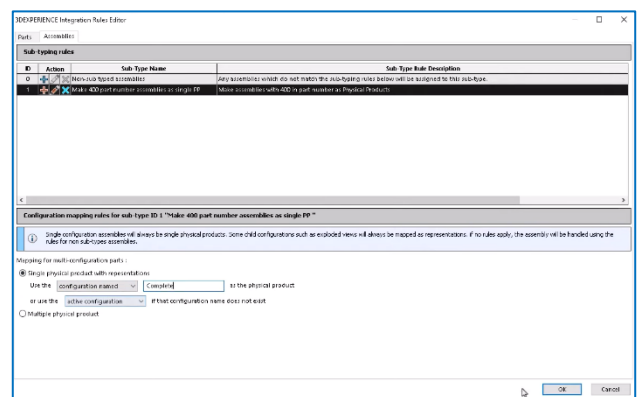
Computer Aided Design or CAD, The Engineers' tool to give life to their products, has gone through a huge evolution since its inception, and now it is in next stage of revolution. As an engineer, you may face challenges in collaboratively working on designs within your team and across departments like simulation and manufacturing. Now SOLIDWORKS comes connected to the 3DEXPERIENCE platform, which allows you to collaborate, manage datum and monitor lifecycle of any product from anywhere, anytime with any connected device.

Collaborate on your designs and activities with your team, offices, plants, your clients, suppliers, vendors or any other external source across the globe. Your location is not a constrain anymore with the 3DEXPERIENCE platform on cloud. Access your SOLIDWORKS designs with any browser for design reviews, approvals, drawing release and much more with curated roles for everyone participating in the product design and development process.

3DEXPERIENCE Integration Rules Editor

The current logic for defining which configs are Physical Products vs Representations when saving legacy data to the 3DEXPERIENCE Platform, doesn't satisfy all use cases. To solve this, it should be possible for the user to customize the rules. Now the users can define logic used, regarding which configurations are Physical Products, and which are Representations for parts and assemblies

based on document level criteria filename, custom properties and special file types weldment/sheetmetal.

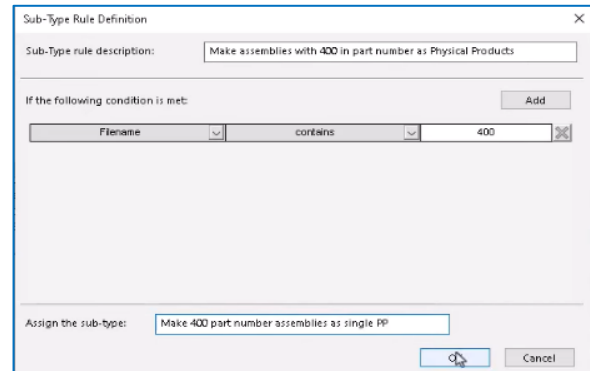


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Example

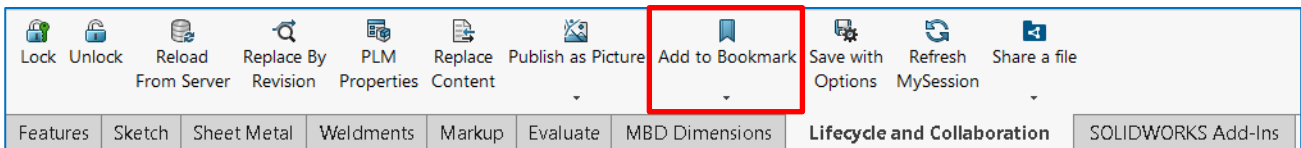
If you want to make assemblies which contains "400" in part numbers as separate physical products, you can define the rule and choose a configuration mapping object type like Physical Product or a representation.



Add files to bookmark directly from SOLIDWORKS

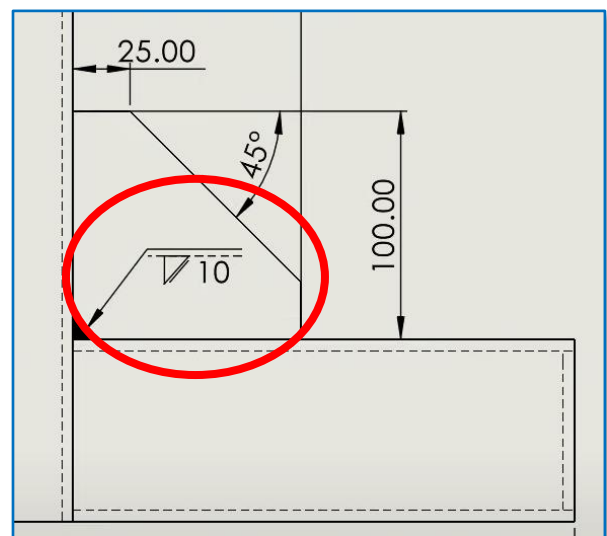
Bookmarks are an easy way to maintain your designs and documents in a proper folder structure and access them from anywhere, anytime within a browser or within SOLIDWORKS and share those folders with anyone.

You can just add files to bookmarks just by drag and drop in browser or while saving files from SOLIDWORKS. Now you can add files to bookmark anytime with the "add to bookmark" option available under "Lifecycle and Collaboration" tab of SOLIDWORKS



Drawing Symbols Support

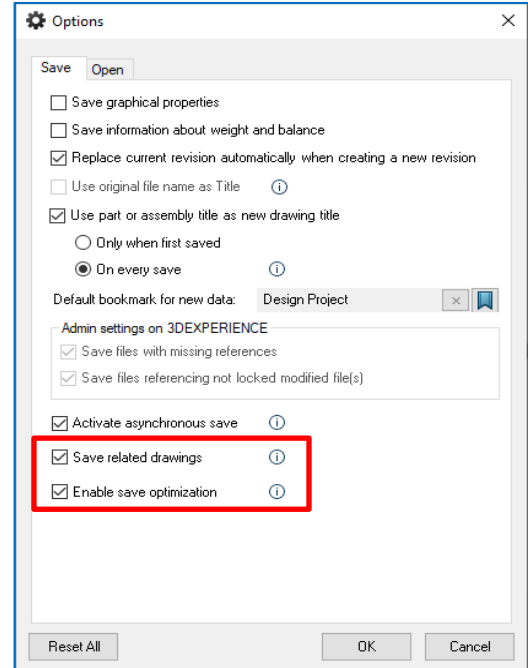
With 3D play web app you can view your designs, drawings, and documents from anywhere, anytime with any device in a browser. Now you can view weld symbols, geometric tolerances and other SOLIDWORKS drawing symbols conveniently and accurately in your drawings through 3DPlay.



Improved Save to 3DEXPERIENCE Performance

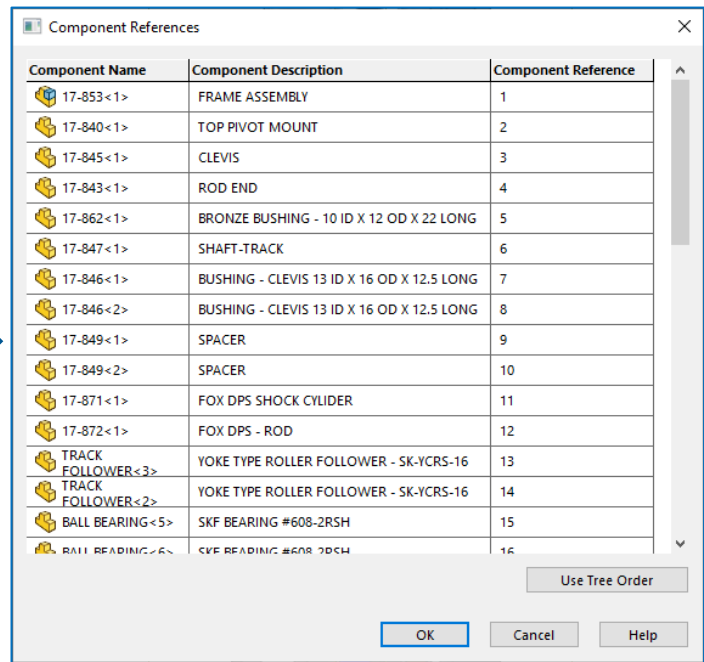
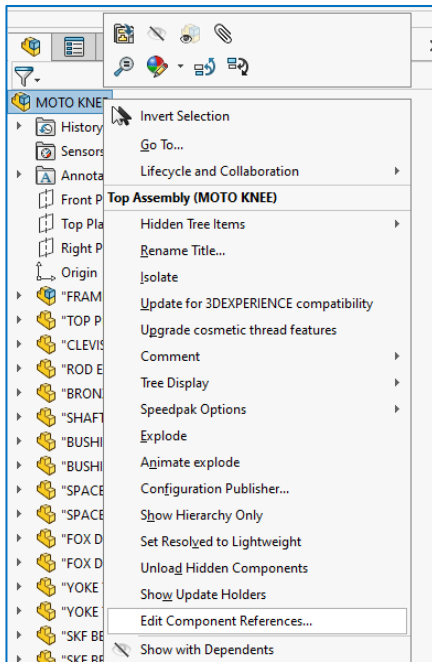
With new options in my session of your SOLIDWORKS task pane, you could limit the save scope to modified files only and then save to 3DEXPERIENCE dialogue will now only display the modified files, which leads to faster save times. This option is ON by default for a new installation.

Also, all locally cached drawings that directly reference the top-level assembly will be saved automatically. This option is Off by default for a new installation.



Manage Component Instance References

The Component Reference value is used by many of us to identify a particular instance of that component in a product. Scenarios include drawings and more complex situations across design and manufacturing related to ERP.

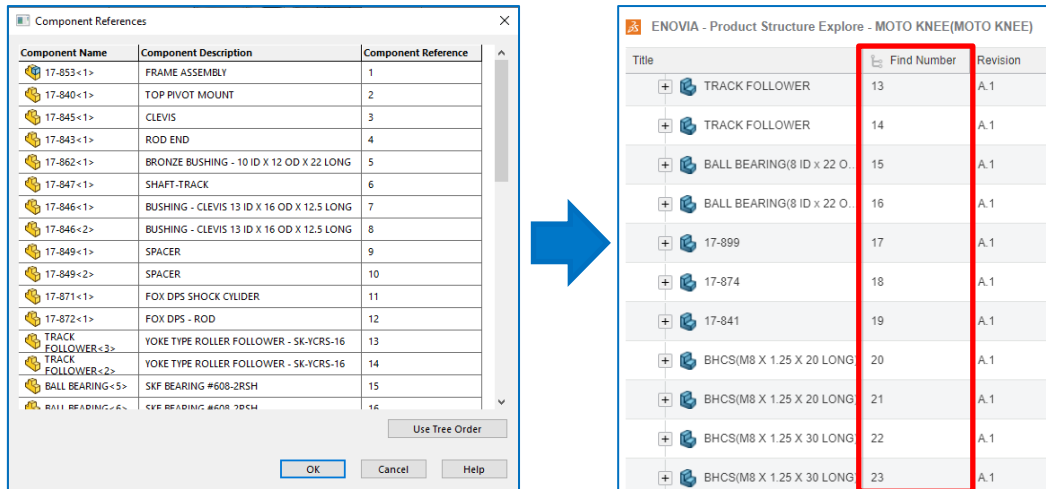




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Challenges include assigning a unique component reference to many/all components can be incredibly time consuming and the user has to open the properties window of each component one by one!

Now with new "Edit Component References" command in SOLIDWORKS, you can manually type or automatically assign component reference numbers based on tree order. Also, you can Show/Hide component reference values in the Feature Manager design tree



Component reference is automatically mapped to the BOM or product structures' "Find Number" instance attribute in 3DEXPERIENCE.

