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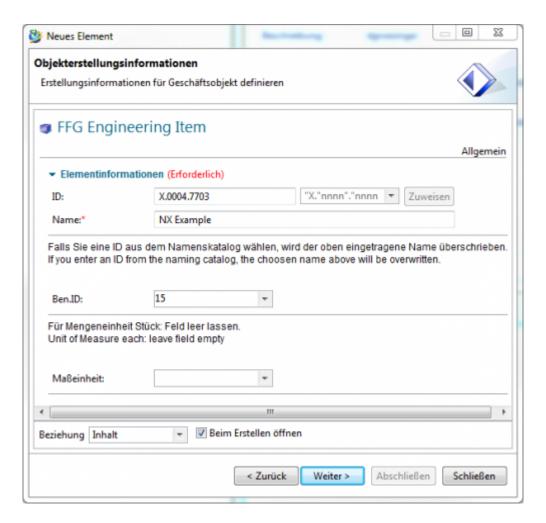
5 Working with NX

5.1 Creating items in Teamcenter

Create a new part in Teamcenter as usual:

Select "File→New→Item" and select the type FFG Engineering Item

Assign an item ID and assign a (temporary) name.

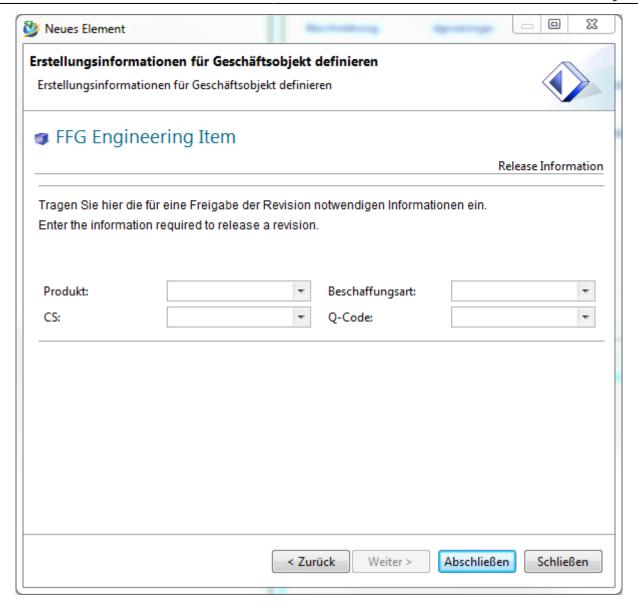


Choose a name from the naming catalog.

Unit of Messure = Empty (each)

Press "Next".

Enter the essential master data.



Press "Finish". Then select the newly created item or item revision and start NX via 💆 in the menu bar. Once you save the part file in NX, the dataset (UGMaster) is placed under the Item Revision.

5.2 Preparation

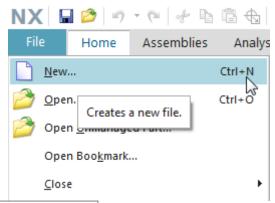
Before you start working in NX, please first load the role "FFG Standard" via the sidebar $\frac{d}{dt}$.



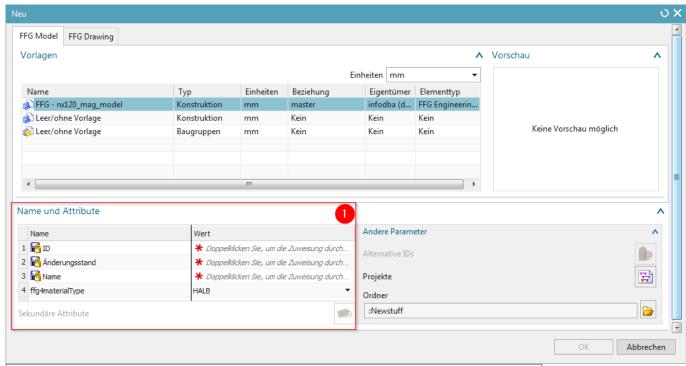
5.3 Create Items with the help of NX

• The creation of a new item in Teamcenter is performed in NX as follows:

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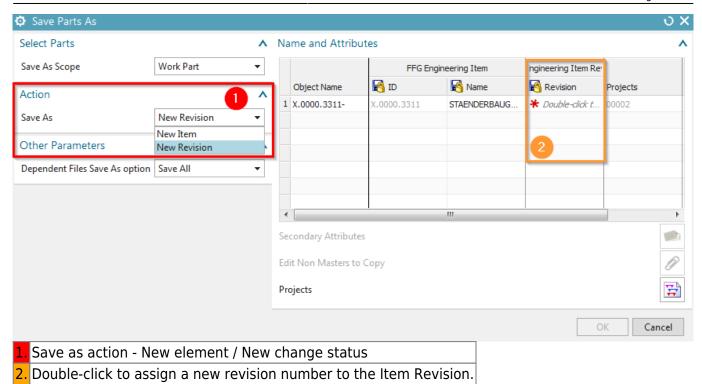
- 1. Create a new data record via file → New...
- 2. Create a new record via Ctrl+N
 - The creation of a new item as master part is visible as relationship "master" and contains the model.
 - The creation of a new non-master part is visible as relationship "specification" and contains the DrawingPart.



Here, certain mandatory attributes must be assigned to the newly created item.

5.4 Revision and save parts

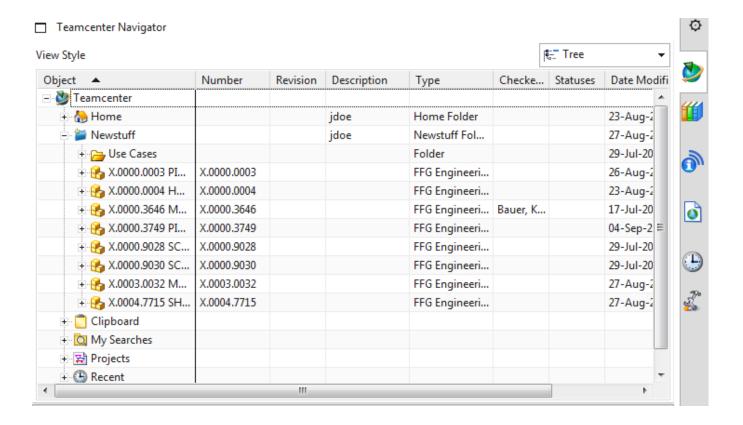
- The revision of Master parts is also carried out: Menu File → Save → Save as...
- Create as new change status (revision)
- Save as new element creates a new part under a new part number
- Save as Alt-Rep creates a new dataset with altern. Geometry presentation under the current part / revision master.



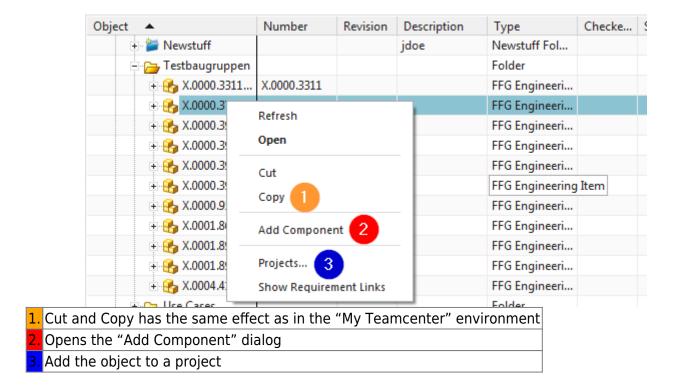
• If an item revision contains dependent files in addition to the **Master part**, the documents to be transferred can be selected if this is defined in the preferences.

5.5 Teamcenter Navigator

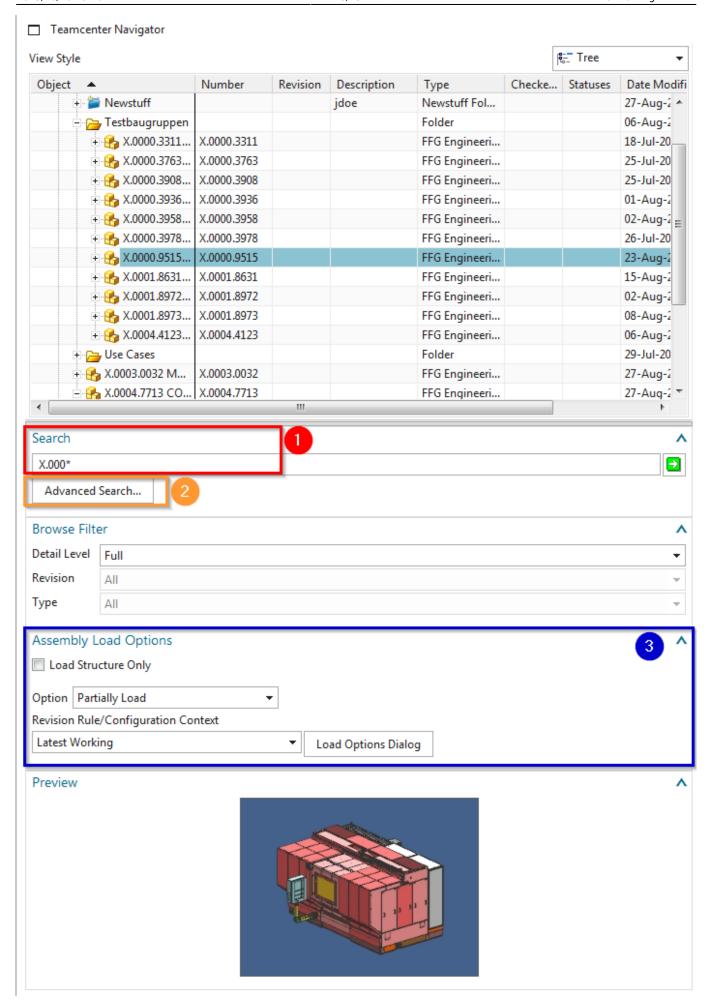
- The Teamcenter Navigator shows the current folder structure of the user.
- The columns can be adjusted as required.



• The following file operations are possible with RMT:

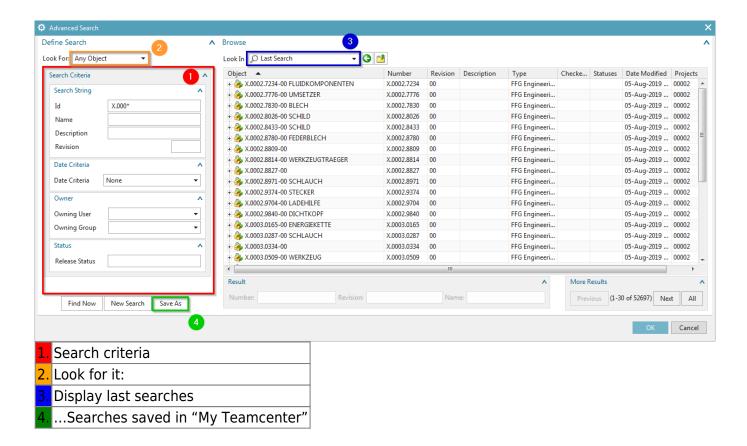


5.6 Teamcenter Navigator Search



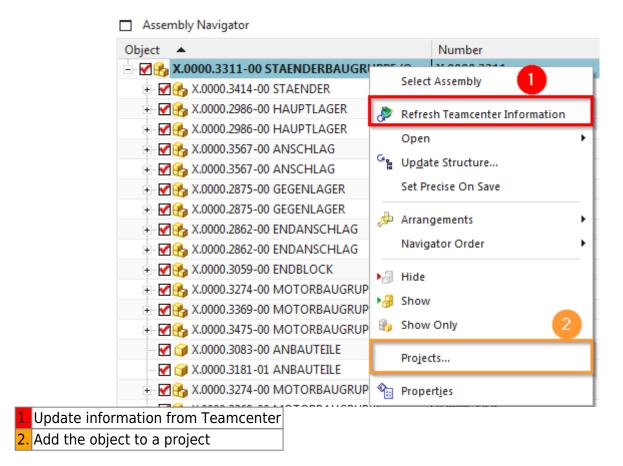
- Search Wildcards as in Teamcenter area
 Advanced Search
- Loading options for assemblies

5.7 Teamcenter Navigator Advanced Search



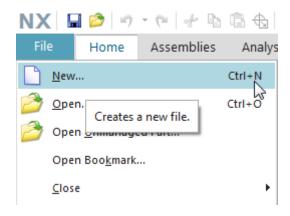
5.8 Teamcenter functions in the assembly Navigator

• Keep all Teamcenter information up to date

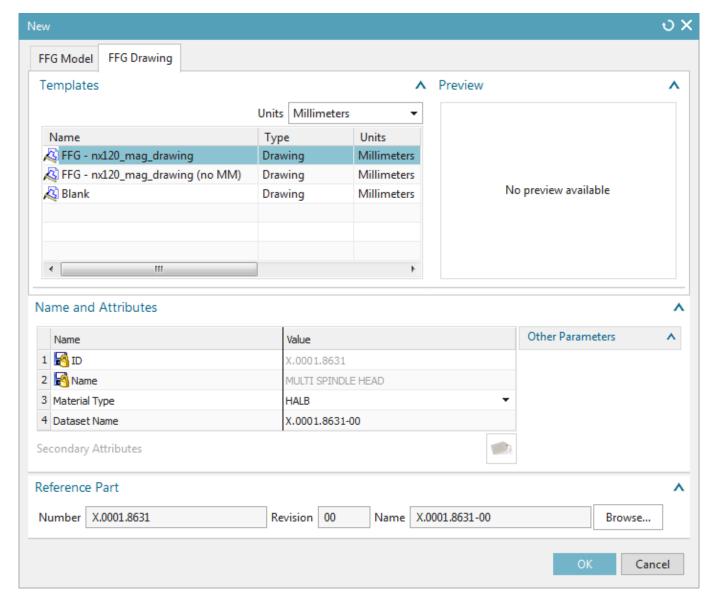


5.9 Creation of a UGParts (drawing)

To create a UGPart in Teamcenter, please load the part or assembly from Teamcenter to NX. Then create the UGPart belonging to the UGMaster via File \rightarrow New (Ctrl+N).

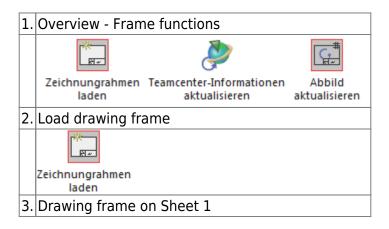


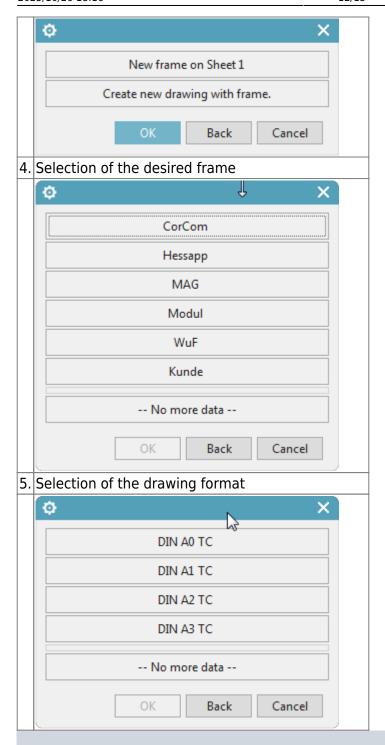
Then select the register "FFG Drawing" and the corresponding seedpart "FFG-nx120_mag_drawing". The corresponding attributes are taken from the item revision. Confirm this with OK.



5.9.1 NX TOOLS - Loading the drawing frame

Proceed as follows to add the drawing frame and sheet format:





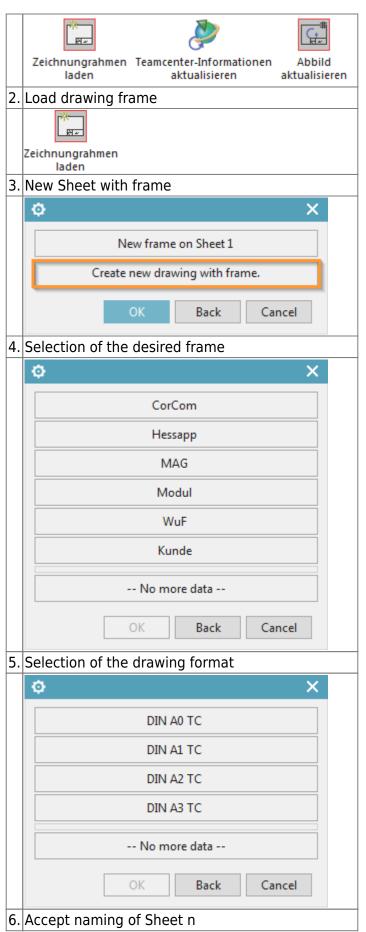
Note:



In order to display all attribute values in the drawing frame, the UGPart must be saved to Teamcenter and the drawing header must be updated with the function "Abbild aktualisieren".

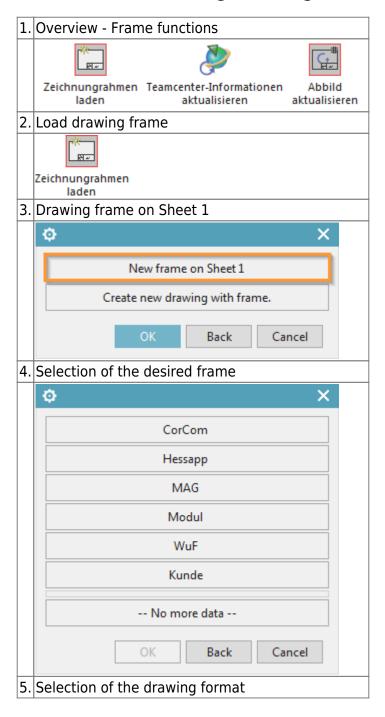
5.9.2 NX TOOLS - Creating a drawing sheet

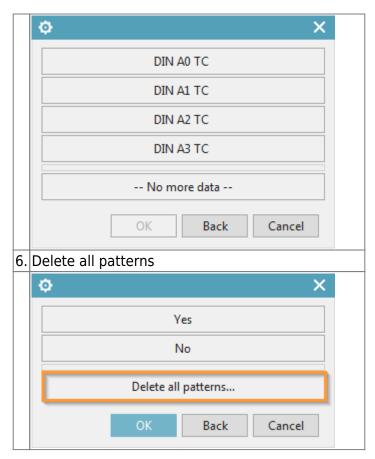
1. Overview - Frame functions





5.9.3 NX TOOLS - Change drawing frame / format on existing drawing





5.9.4 NX TOOLS - Change drawing frame / format on existing drawing

