

Inhaltsverzeichnis

5 Working with NX	3
5.1 Creating items in Teamcenter	3
5.2 Preparation	4
5.3 Create Items with the help of NX	4
5.4 Revision and save parts	5
5.5 Teamcenter Navigator	6
5.6 Teamcenter Navigator Search	7
5.7 Teamcenter Navigator Advanced Search	9
5.8 Teamcenter functions in the assembly Navigator	9
5.9 Creation of a UGParts (drawing)	10
5.9.1 NX TOOLS - Loading the drawing frame	11
5.9.2 NX TOOLS - Creating a drawing sheet	12
5.9.3 NX TOOLS - Change drawing frame / format on existing drawing	13
5.9.4 NX TOOLS - Change drawing frame / format on existing drawing	15

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**.

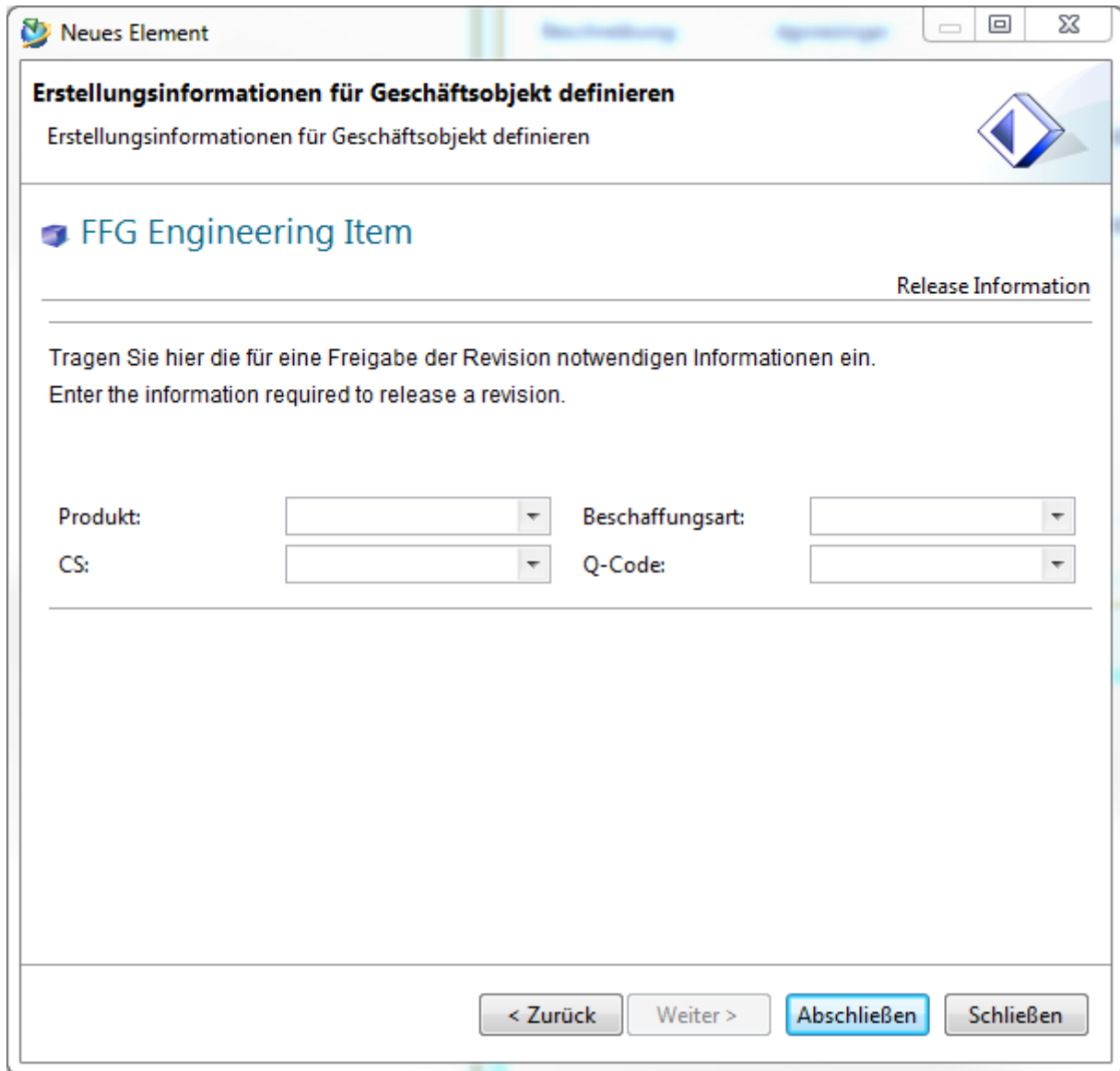
Assign an item ID and assign a (temporary) name.

Choose a name from the naming catalog.

Unit of Measure = Empty (each)

Press „Next“.

Enter the essential master data.



Erstellungsinformationen für Geschäftsobjekt definieren

Erstellungsinformationen für Geschäftsobjekt definieren

FFG Engineering Item

Release Information

Tragen Sie hier die für eine Freigabe der Revision notwendigen Informationen ein.
Enter the information required to release a revision.

Produkt: Beschaffungsart:

CS: Q-Code:

< Zurück Weiter > Abschließen Schließen

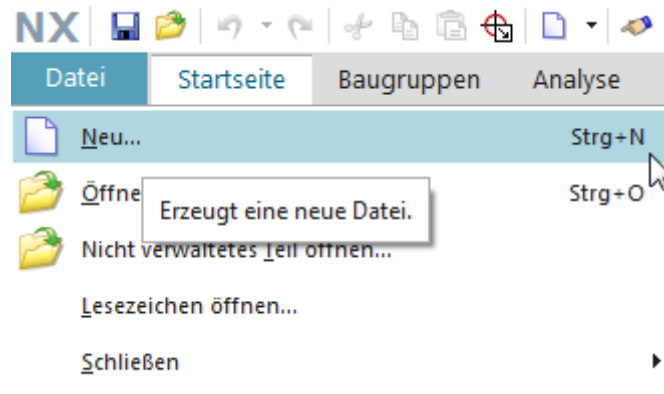
Press „Finish“. Then select the newly created item or item revision and start NX via  in the menu bar. Once you save the part file in NX, the dataset (UGMaster) is placed under the Item Revision.

5.2 Preparation

Before you start working in NX, please first load the role „FFG Standard“ via the sidebar .

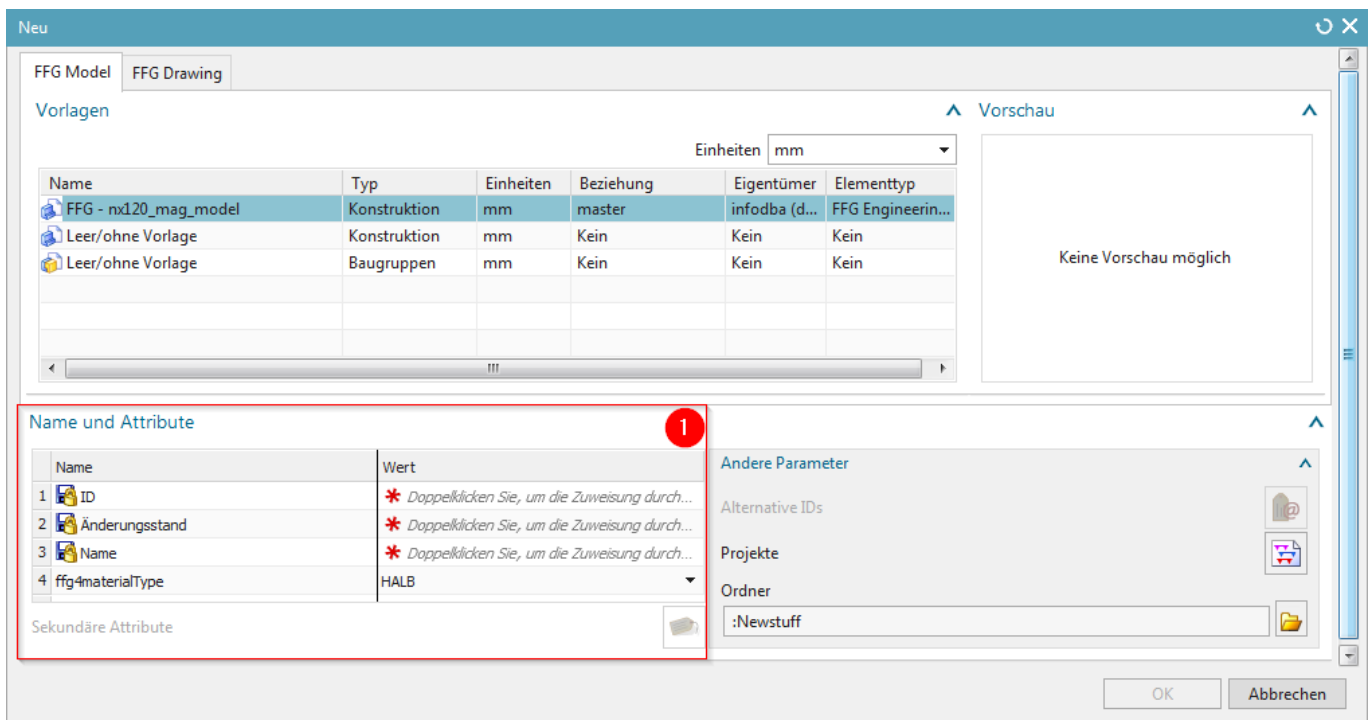
5.3 Create Items with the help of NX

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



1. Create a new data record via file → New...
2. Create a new record via Ctrl+N

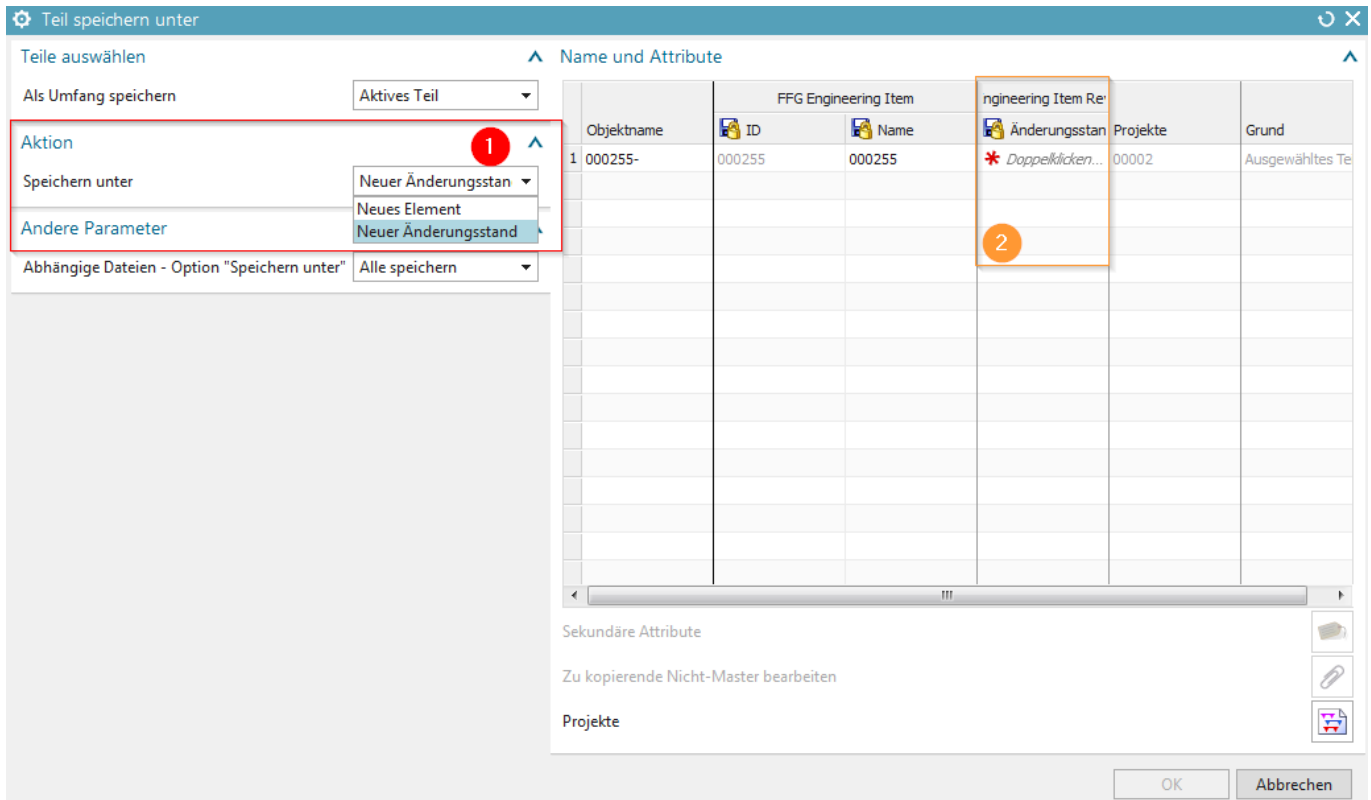
- The creation of a new item as master part is visible as relationship „master“ and contains the model.
- The creation of a new non-master part is visible as relationship „specification“ and contains the DrawingPart.



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.



1. Save as action - New element / New change status
2. Double-click to assign a new revision number to the Item Revision.

- 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.

☐ Teamcenter Navigator

Ansichtsstil

Struktur

Objekt	Nummer	Änderu...	Beschreibung	Typ	Ausge...
Teamcenter					
Home			tcadm	Persönliche A...	
Newstuff			tcadm	Newstuff Fol...	
X.0003.0000	X.0003.0000			FFG Engineeri...	
X.0003.0000...	X.0003.0000	00		FFG Engineeri...	
X.0003.0...	X.0003.0000	00		Model	
X.0003.0001 TR...	X.0003.0001			FFG Engineeri...	
X.0003.0001...	X.0003.0001	00		FFG Engineeri...	
X.0003.0...	X.0003.0001	00		Model	
X.0003.0...	X.0003.0001	00	X.0003.0001-00	Drawing	
XD.0000.0001	XD.0000.0001			FFG Document	
Kürzlich					
Meine Suche					
Projekte					
Zwischenablage					

- The following file operations are possible with RMT:

Home			tcadm	Persönliche A...
Newstuff			tcadm	Newstuff Fol...
X.0003.0000	X.0003.0000			FFG Engineeri...
X.0003.0000...	X.0003.0000			FFG Engineeri...
X.0003.0...	X.0003.0000			Model
X.0003.0001	X.0003.0001			FFG Engineeri...
X.0003.0001...	X.0003.0001			FFG Engineeri...
X.0003.0...	X.0003.0001			Model
X.0003.0...	X.0003.0001			Drawing
XD.0000.0001	XD.0000.0001			FFG Document
Kürzlich				
Meine Suche				
Projekte				
Zwischenablage				

Aktualisieren
Öffnen
Ausschneiden
Kopieren 1
Komponente hinzufügen 2
Projekte... 3
Anforderungsverknüpfungen anzeigen

- Cut and Copy has the same effect as in the „My Teamcenter“ environment
- Opens the „Add Component“ dialog
- Add the object to a project

5.6 Teamcenter Navigator Search

☐ Teamcenter Navigator

Ansichtsstil

Struktur

Objekt	Nummer	Änderu...	Beschreibung	Typ	Ausgec...
Teamcenter					
Home			tcadm	Persönliche A...	
Newstuff			tcadm	Newstuff Fol...	
X.0003.0000	X.0003.0000			FFG Engineeri...	
X.0003.0000...	X.0003.0000	00		FFG Engineeri...	
X.0003.0...	X.0003.0000	00		Model	
X.0003.0001 TR...	X.0003.0001			FFG Engineeri...	
X.0003.0001...	X.0003.0001	00		FFG Engineeri...	
X.0003.0...	X.0003.0001	00		Model	
X.0003.0...	X.0003.0001	00	X.0003.0001-00	Drawing	
XD.0000.0001	XD.0000.0001			FFG Document	
Kürzlich					

Suchen

X.000*

Erweiterte Suche...

Filter durchsuchen

Detailebene

Vollständig

Änderungsstand

Alle

Typ

Alle

Ladeoptionen für Baugruppen

☐ Nur Struktur laden

Option

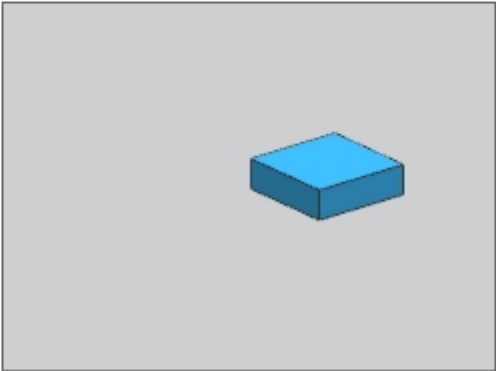
Teilweise geladen

Kontext Änderungsstandregel/Konfiguration

Latest Working

Dialogfenster "Ladeoptionen"

Vorschau



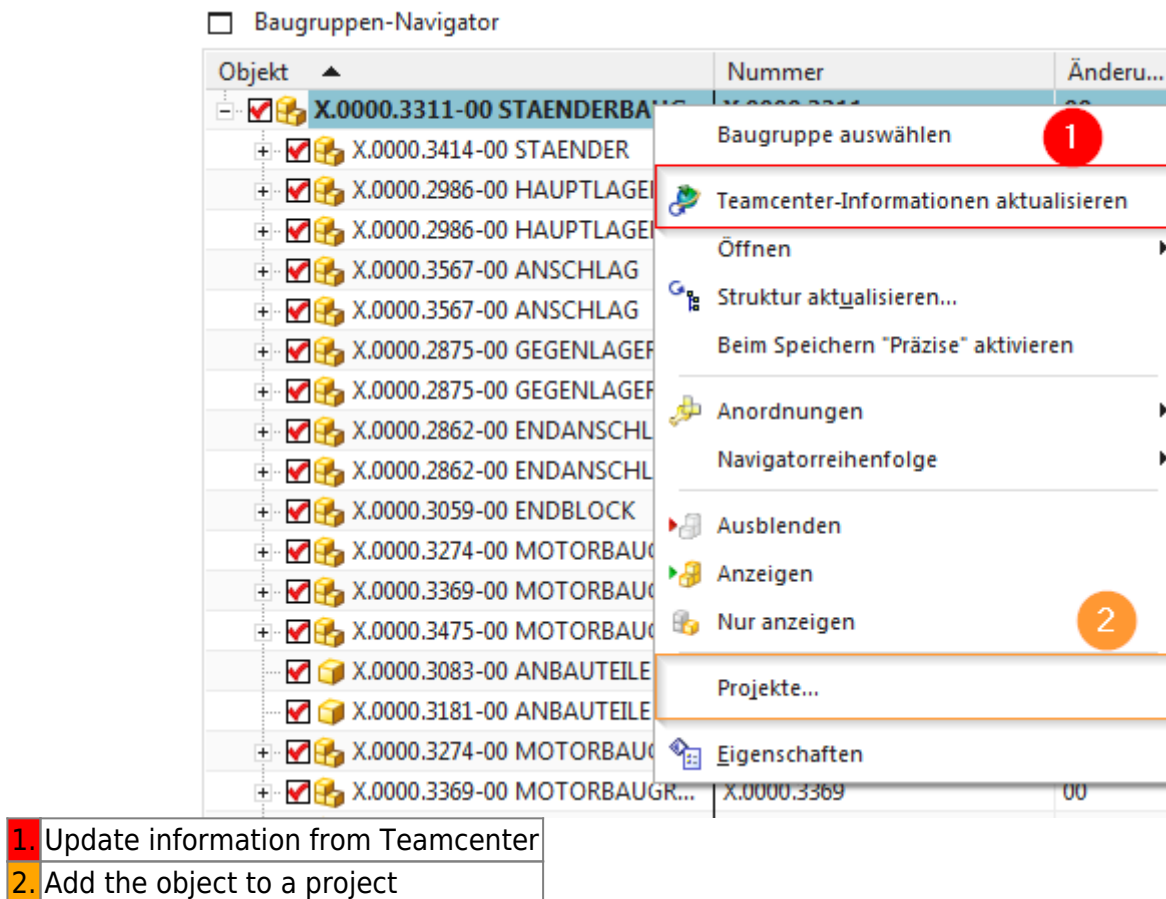
1. Search Wildcards as in Teamcenter area
2. Advanced Search
3. Loading options for assemblies

5.7 Teamcenter Navigator Advanced Search

1. Search criteria
2. Look for it:
3. Display last searches
4. ...Searches saved in „My Teamcenter“

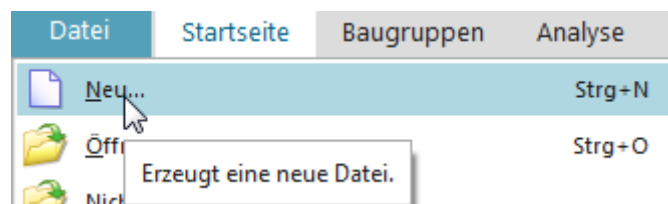
5.8 Teamcenter functions in the assembly Navigator

- 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 → 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.

Neu

FFG Model FFG Drawing

Vorlagen Vorschau

Einheiten mm

Name

- FFG - nx120_mag_drawing
- FFG - nx120_mag_drawing (no MM)
- Leer/ohne Vorlage

Keine Vorschau möglich

Name und Attribute

Name	Wert
1 ID	X.0004.0527
2 Name	Plate
3 Materialtyp	HALB

Sekundäre Attribute

Referenzteil

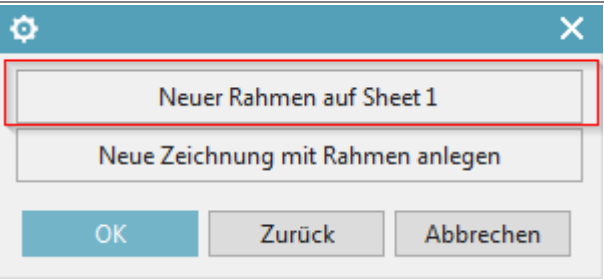
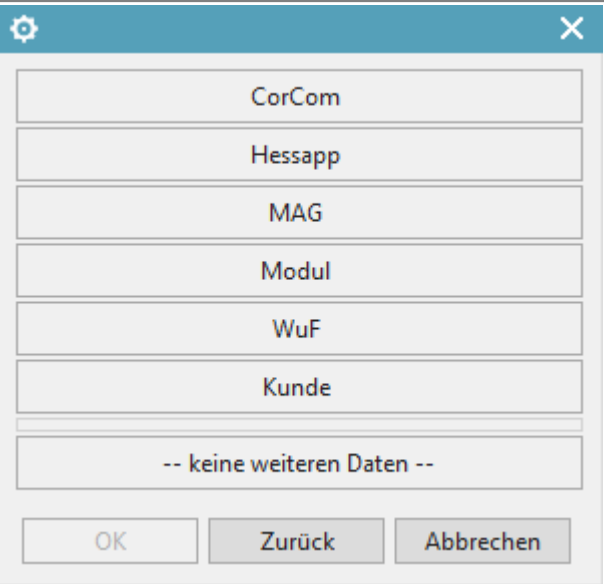
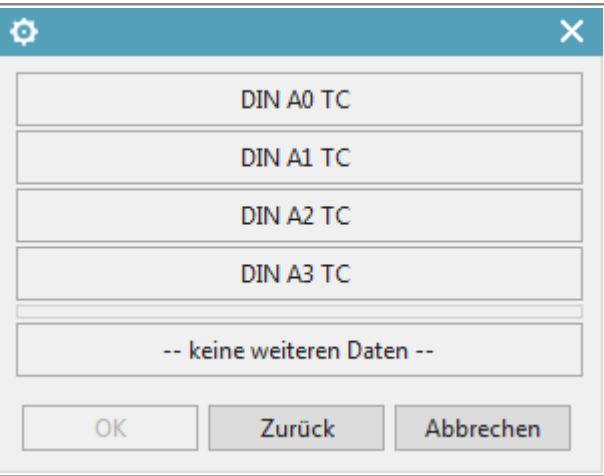
Nummer X.0004.0527 Änderungsstand 01 Name X.0004.0527

OK Abbrechen

5.9.1 NX TOOLS - Loading the drawing frame

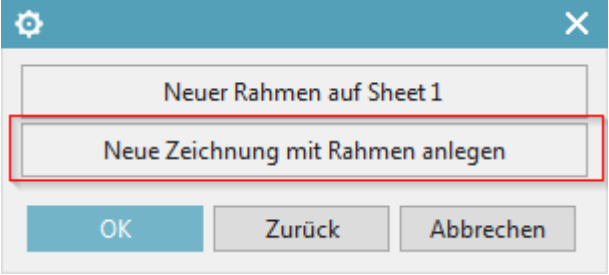
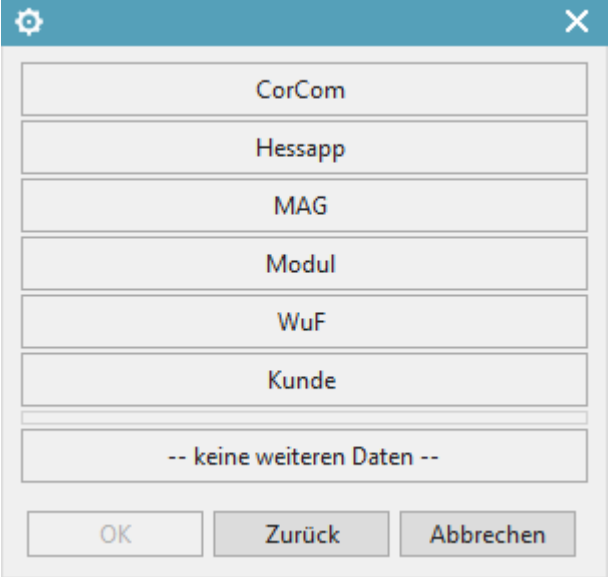
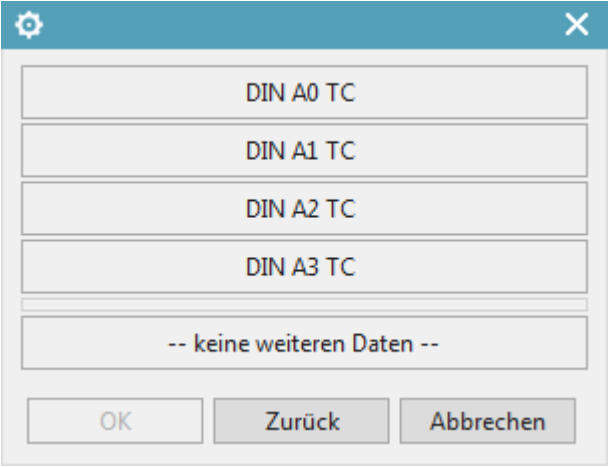
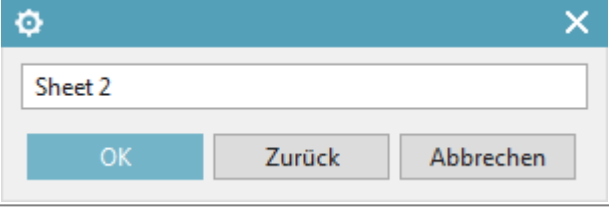
Proceed as follows to add the drawing frame and sheet format:

1. Overview - Frame functions	
	  
	Zeichnungsrahmen laden Teamcenter-Informationen aktualisieren Abbild aktualisieren
2. Load drawing frame	
	
	Zeichnungsrahmen laden
3. Drawing frame on Sheet 1	

	
4. Selection of the desired frame	
5. Selection of the drawing format	

5.9.2 NX TOOLS - Creating a drawing sheet

1. Overview - Frame functions	   Zeichnungsrahmen ladenTeamcenter-Informationen aktualisierenAbbild aktualisieren
2. Load drawing frame	 Zeichnungsrahmen laden
3. Drawing frame on Sheet 1	


4. Selection of the desired frame

5. Selection of the drawing format

6. Accept naming of Sheet n


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

1. Overview - Frame functions
 Zeichnungsrahmen laden  Teamcenter-Informationen aktualisieren  Abbild aktualisieren

2. Load drawing frame



Zeichnungrahmen
laden

3. Drawing frame on Sheet 1

Neuer Rahmen auf Sheet 1

Neue Zeichnung mit Rahmen anlegen

OK Zurück Abbrechen

4. Selection of the desired frame

CorCom

Hessapp

MAG

Modul

WuF

Kunde

-- keine weiteren Daten --

OK Zurück Abbrechen

5. Selection of the drawing format

DIN A0 TC

DIN A1 TC

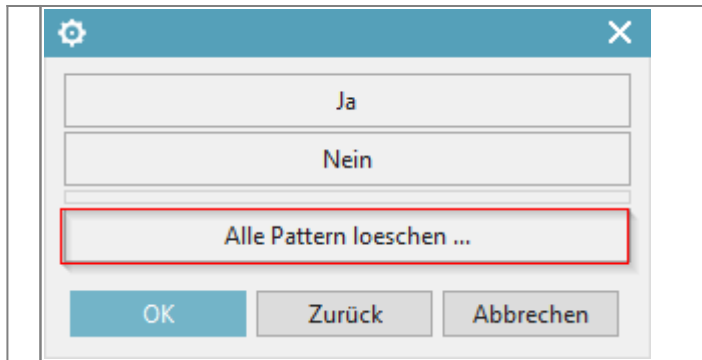
DIN A2 TC

DIN A3 TC

-- keine weiteren Daten --

OK Zurück Abbrechen

6. Delete all patterns



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

 Teamcenter-Informationen aktualisieren	Transfer metadata from Teamcenter to NX
 Abbild aktualisieren	Manual update of metadata in the text header