
Versioning with thinkteam

In this task, we shall understand the versioning procedures in thinkteam. We shall commit changes to an existing part based on Design Modification Request. Then we shall version the changed Part, Drawing and Assembly. To perform this task you should have completed the following three tasks - Introduction to thinkteam, Drawing from Project and EBOM calculation in that order.

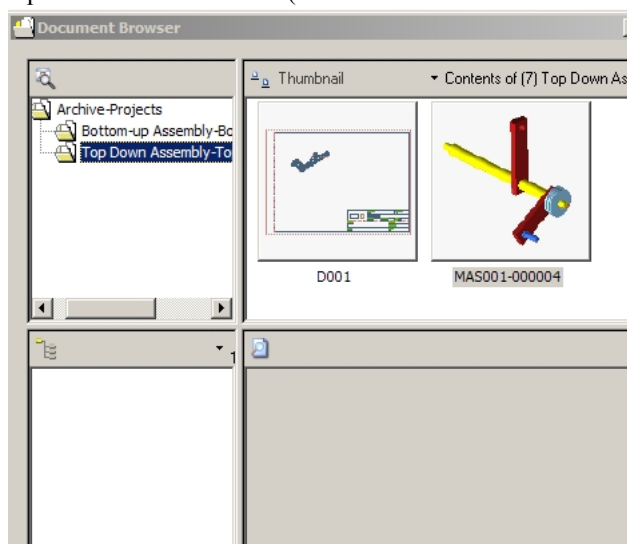
Table of Contents

| | |
|--------------------------------|---|
| 1. Versioning procedures | 1 |
| A. | 8 |

1. Versioning procedures

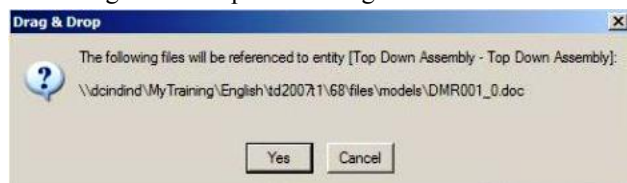
Activate thinkteam toolbar from Tools > Customize.

Open Document Browser (thinkteam > Document Browser).

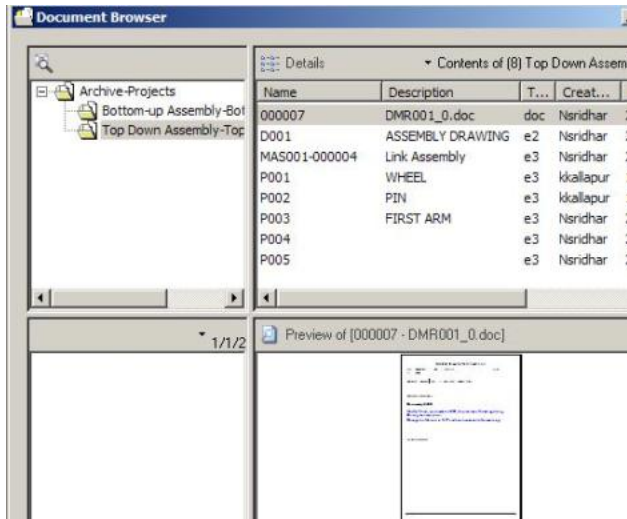


Drag and Drop the document DMR001_0.doc into the Top Down Assembly archive in Document Browser. You can find this document under ...\\My Training\\2008.1\\thinkteam\\Versioning.

thinkdesign throws up this message. Click Yes. Document data will be automatically added to this document.



Change the View settings of the archive Top Down Assembly to Details from Thumbnails.

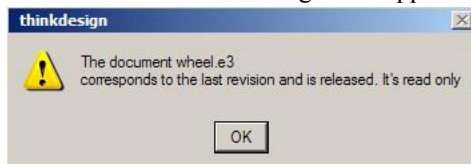


- Double Click on DMR001 .
- This opens a Word document, which explains the Design Modification Request.
- Read through the document, It requests to Change the Material of Wheel and Heat Treatment.
- Go to **Document Browser** again.

We can do the change in two methods.

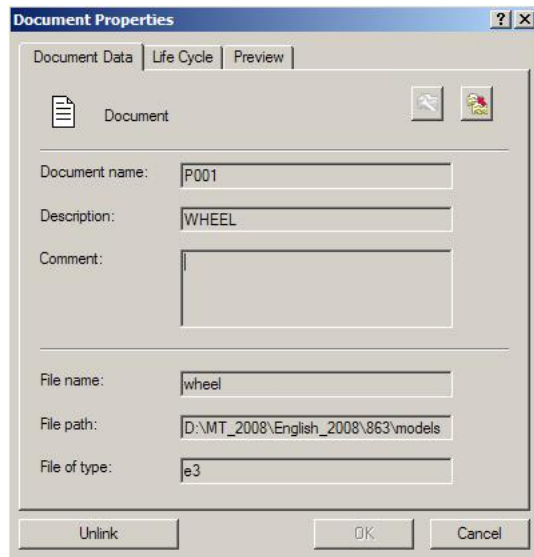
By opening the Part only and by opening the Assembly that contains the part. Let us do it opening the part only.

- Double Click on P001.
- Press OK for the Message that Appears.

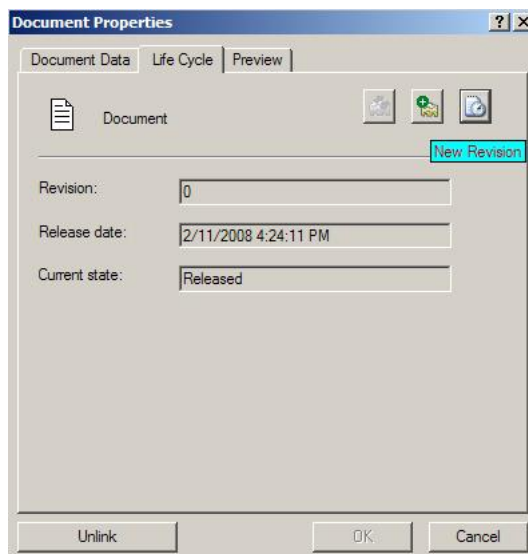


- Click on **Document Data**.

Note that all the fields are grayed out because the part is released.



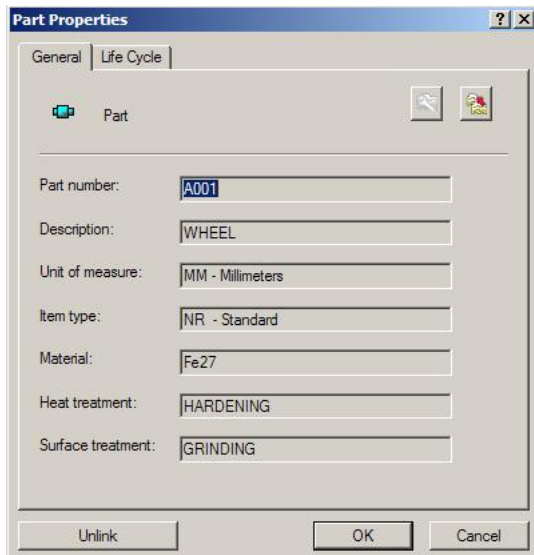
- Click on Life Cycle Tab.
- Click on New Revision.
- Check the Check Box before PD001 in Select Drawings for creating new versions Box.



- Press OK. This will create a new revision of the document P001. Now the document name will be renamed as P001_1.e3 indicating the revision number at the end of the file name.

Now, We shall change the Part Data.

- Click on **Edit** ➤ **Part Data** ➤ **Edit**.



Part Properties

General | Life Cycle

Part

Part number: A001

Description: WHEEL

Unit of measure: MM - Millimeters

Item type: NR - Standard

Material: Fe27

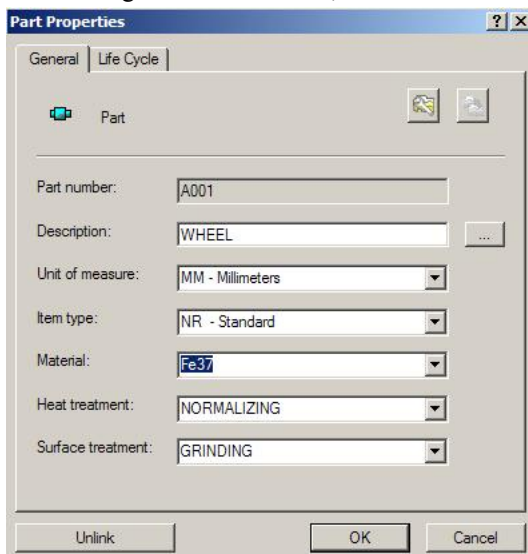
Heat treatment: HARDENING

Surface treatment: GRINDING

Unlink OK Cancel

You can see that all the fields are grayed out because the part is released.

- Click on Life Cycle Tab.
- Click on New Revision.
- Click again on General tab, Enter Data as below and Press OK.



Part Properties

General | Life Cycle

Part

Part number: A001

Description: WHEEL

Unit of measure: MM - Millimeters

Item type: NR - Standard

Material: Fe37

Heat treatment: NORMALIZING

Surface treatment: GRINDING

Unlink OK Cancel

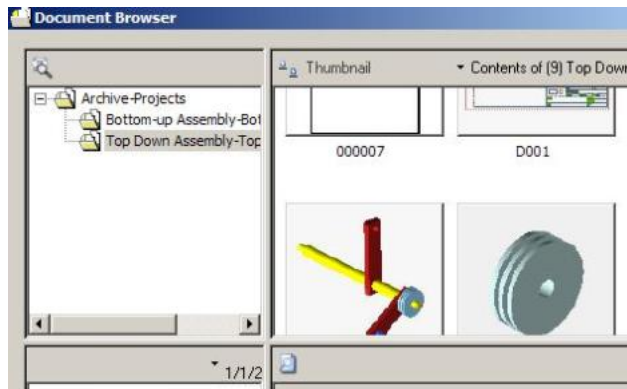
Here, we have changed the Material from Fe27 to Fe37 and Heat Treatment to Normalizing as per request.

Let us Save Wheel Back to Project.

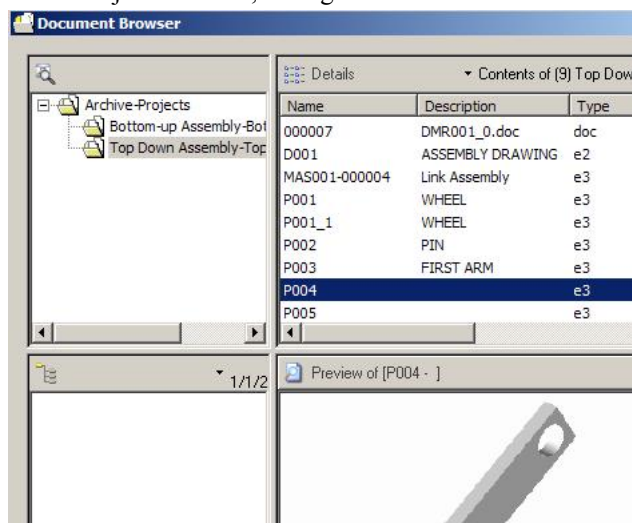
- Click on **Save into Archive**.
- Press OK.

We made the changes to part and drawing. The changes appear in Part drawing and document data. Let us open the wheel drawing and check it.

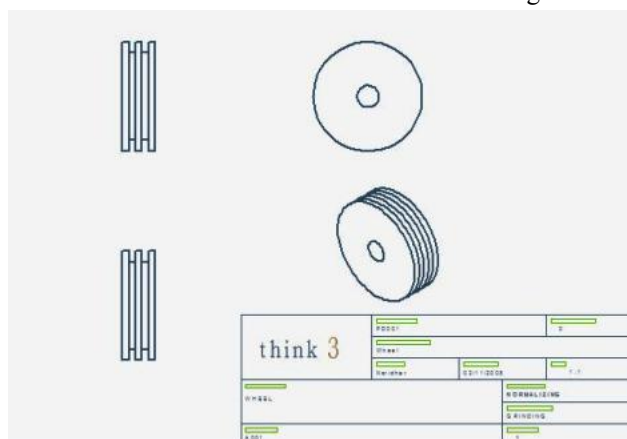
- Click on **Document Browser**.



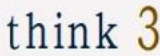
- Click on Top Down Assembly.
- In Project Window, Change View to Details from Thumbnail.



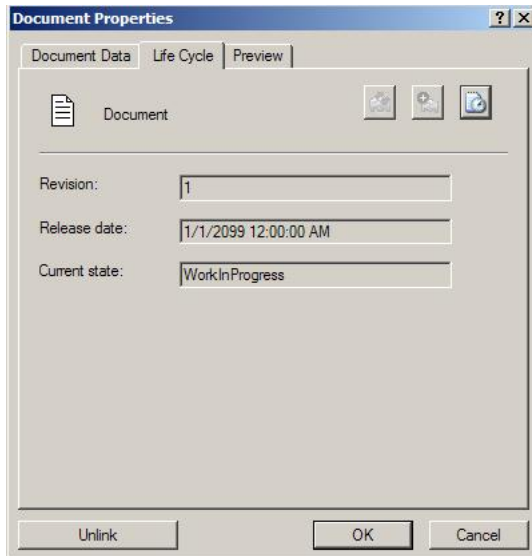
- Double click on PD001 - Wheel Part Drawing. The drawing is opened.



- Use Command **View** → **Modify** → **Zoom Window** and zoom on to Title Block.
- You can see that the Changes made appear in Title Block as shown in Red color in the image below:

| | | | |
|---|--------------------------------|--------------------------------|-------------|
|  | Document Name: P D 0 0 1 | | Docum: 0 |
| | Document Description: Wheel | | |
| | Created By: Nsrldhar | Creation Date: 02/11/2008 | State: |
| Part Description: WHEEL | | Heat Treatment: NORMALIZING | |
| | | Surface Treatment: GRINDING | |
| Part Number: A 0 0 1 | | Part Version: 1 | |

- Click on **Document Data**.
- Click on Life Cycle Tab.
- You can see that the Version has changed.



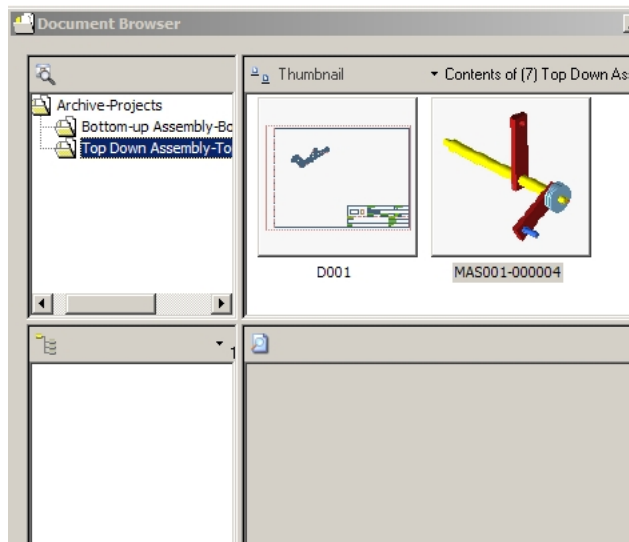
The image shows a 'Document Properties' dialog box with three tabs: 'Document Data', 'Life Cycle', and 'Preview'. The 'Document Data' tab is selected. It contains a 'Document' section with three icons. Below this, there are three input fields: 'Revision:' with the value '1', 'Release date:' with the value '1/1/2099 12:00:00 AM', and 'Current state:' with the value 'WorkInProgress'. At the bottom of the dialog are three buttons: 'Unlink', 'OK', and 'Cancel'.

Let us Save Wheel Back to Project.

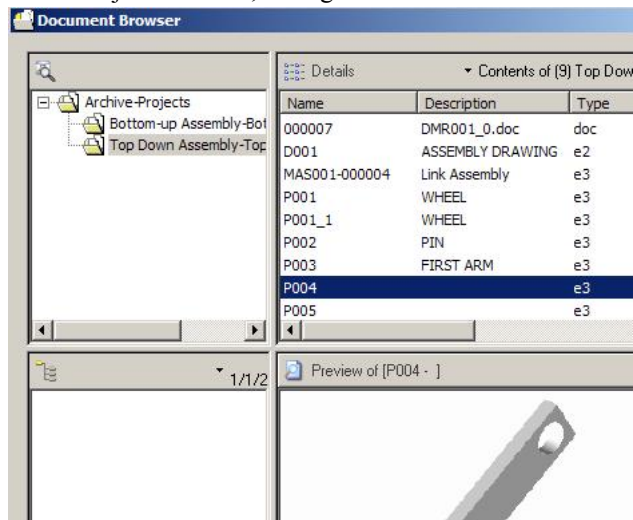
- Now perform **Save into Archive**.

It is also possible to make the Design Modifications we did till now, by loading the Assembly. We then will have to Set the wheel part, Current.

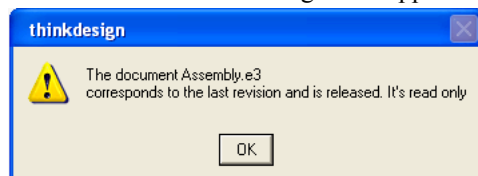
- Click on **Document Browser**.



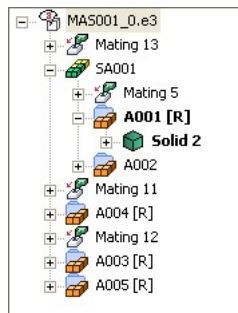
- Click on Top Down Assembly.
- In Project Window, Change View to Details from Thumbnail.



- Double Click on MAS001.
- Press OK for the Message that Appears.



Now the Wheel in History tree is Shown Bold.



Repeat steps of changing Document Data and Part Data then save into project.

You have just now seen the techniques to be used for Version control in thinkdesign..

A.

- CLONING AND VERSIONING