

# **SPN-Technologies**



**SPN-ConfigurationDesigner**

# SPN-ConfigurationDesigner introduction

SPN-ConfigurationDesigner is intended to use for driving SolidWorks model parameters from spreadsheet.

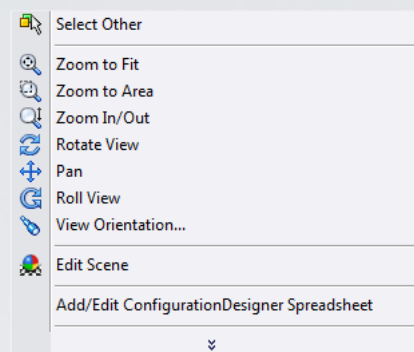
## SPN-ConfigurationDesigner installation instructions:

Before starting installation, close SolidWorks if it is running background. Install the setup file normally and when it finishes start SolidWorks. See if SPN-ConfigurationDesigner is found from SolidWorks menu: Tools->Add-Ins. If it is visible and activated then the installation was succesful. If SPN-ConfigurationDesigner installation did not complete you could try to disable UAC before installation and turn it back after installation finishes.

## SPN-ConfigurationDesigner user instructions:

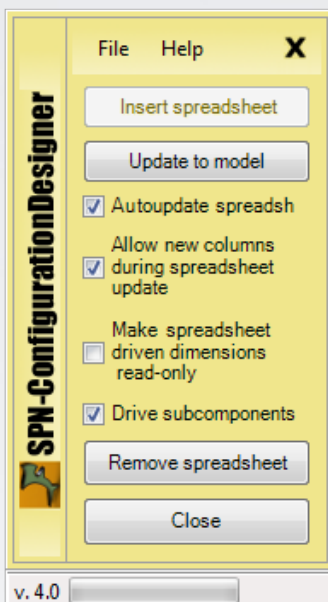
### CREATING SPN-CONFIGURATIONDESIGNER SPREADSHEET

- Make sure your model is saved before inserting spreadsheet
- Right click on your modelview and select "Add/Edit ConfigurationDesigner Spreadsheet"
- SPN-ConfigurationDesigner window opens up
- Select options if needed. See the option instructions below.
- Click "Insert spreadsheet" -button and application fills the table to OpenOffice.org/LibreOffice
- During inserting spreadsheet is embedded to model and model is saved
- To edit the spreadsheet, see the instructions below



### UPDATING SPN-CONFIGURATIONDESIGNER SPREADSHEET

- Right click on your modelview and select "Add/Edit ConfigurationDesigner Spreadsheet"
- SPN-ConfigurationDesigner window opens and if you have selected "Autoupdate spreadsheet" then the application fills data from your model to spreadsheet.
- When you have made the changes you can click "Update to model"-button and then your new values are inserted to configurations in model, spreadsheet is embedded and model is saved.



**Autoupdate spreadsheet:** Updates Spreadsheet with model values when ConfigurationDesigner spreadsheet is opened

**Make spreadsheet driven dimensions read-only:** Makes all the spreadsheet driven dimensions read-only

**Allow new columns during spreadsheet update:** Opens up selection window where you can select new values from to your spreadsheet

**Drive subcomponents:** When you have assembly open you can select this option and then component selection window opens up and you can select what subcomponents you want to drive. After component selection, selected components are looped trough and you are asked to select values you want to drive.

### SPN-CONFIGURATIONDESIGNER ADVANCED PAREMETER HANDLING

You can mark dimension to auto collected by selecting wanted dimension in SolidWorks modelview, right click with your mouse and push menu item "Mark For ConfigurationDesigner"

Material names can be filled with friendly name. For example adding material "S235RJG2" to Material column in spreadsheet, updates model with material "1.0038 (S235JRG2)".

If you have 7zip installed on your computer, SPN-ConfigurationDesigner can also open up the existing Excel based design table and convert it as .ods format to model

### WARNING!

Do not use Formulas in driving cells if you have checked option "Autoupdate spreadsheet"

Do not delete the "Family" or other named-ranges from the spreadsheet! Named ranges are located at the left on combobox in OpenOffice.org menu.