Batch Custom Properties
Step by step

Step1 - Search for custom properties in files

Options

| Search for: | *.sldprt,*.sldasm | in folder: | D:\MyFiles\Project1 | Browse... | ☐ Include Sub Folders | Search | Options |

File Filters   Current Search Folder   Folder selection   Check this to search in sub folders   Start the search
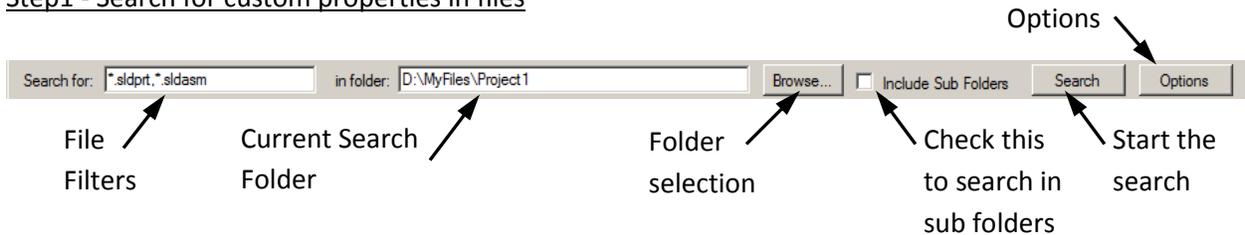
Filters have the same syntax as windows files search. You can use "*"and "?" wildcards.

Right-clicking the filter text box will show a contextual menu with some common filters.

Search for:	*.sldprt,*.sldasm	
Clear	
Add Filter:	
*.sldprt	
*.sldasm	
*.slddrw	
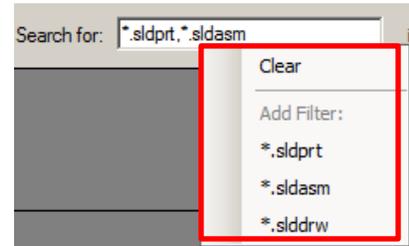
In the option menu, you can choose which kind(s) of custom properties you want to display.

Options

☐ Save Current Columns
☑ Load Saved Columns On Refresh

☑ Load General Custom Prop
Load All Configs Custom Prop
Load Active Config Custom Prop
Load Cut List Custom Prop

Help
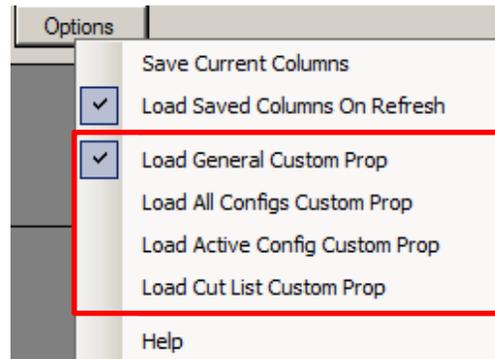
- General Properties are the normal document properties for Part, Assembly and Drawing files.
- Config Properties are the properties defined in each configuration for Part and Assembly files.
- Active Properties are the same configuration properties but only for the current active configuration of the document.
- Cut List Properties are the properties of all the Structural members and sheet-metal of a Part File.
Each Cut list items will be displayed in separate lines.

Step2 - Display the data

Each column displays the information of a custom property:

The header of the column shows the name of the custom property

1st row shows the type

2nd row shows the config to which it belongs (empty if it's a general property)

Type		Text	Number	Date	Yes/No	Text	Text	Text	Text
Config								Default<As Machined>	Default<As I
Rules									

FilePath	FileName	PartNumber	Item	ReleaseDate	Released	Material	Description	myPropName2	myPropNam
D:\MyFiles\Project1\...	Part3	Part3	11	23/02/2019	Yes		myDescription 13	ff7	Part7
D:\MyFiles\Project1\...	Part4								
D:\MyFiles\Project1\...	Part6	Part6	12	23/02/2019	Yes		myDescription 14	ff	Part8
D:\MyFiles\Project1\...	Part7	Part7	13	23/02/2019	Yes	"SW-Material"	myDescription 15	ff7	Part7
D:\MyFiles\Project1\...	Part8	Part8	14	23/02/2019	Yes	Plain Carbon Steel iption 16		ff	Part8
D:\MyFiles\Project1\...	Assem2								

File full path   File name

Its value in the different files

For some custom properties, hovering over the cell will display its "Evaluated" value

Each row displays the file information and the value of the each property.
(if a property doesn't exists, the cell is empty)
If you don't want a row, you can delete it with the "Delete" key.

Columns can be reordered with drag-and-drop. Right-clicking on the header of a column will show a contextual menu to delete the column(s) or insert a new one.

Material	Item	ReleaseDate	Released	myPropName2
	11	Apply Rule		
	12	Insert Column		
"SW-Material"	13	Delete Column		
	14	Delete Column and the Other Columns on the Right		
		Delete Column and Custom Prop		
		Delete Column, the ones after, And All Custom Prop		
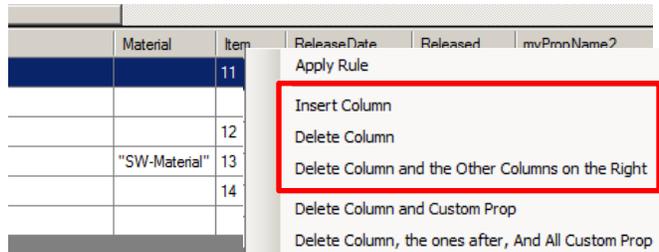
Once you're satisfied with the columns' position and the rule for each, you can save them in the Option menu. They will be displayed in the same order if the "Load saved columns On Refresh" is checked.

Options
Save Current Columns
✓ Load Saved Columns On Refresh

✓ Load General Custom Prop
Load All Configs Custom Prop
Load Active Config Custom Prop
Load Cut List Custom Prop
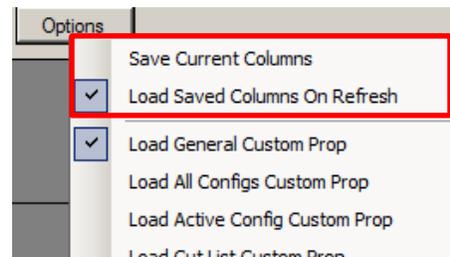
Step3 - Updating the custom properties

Each value can be edited by double clicking the cell.
To validate, press "ENTER" or click outside the cell.

Doing so, will immediately update the property in the document.

If a property can't be updated the cell will become blank.
It can be due to:
- The document doesn't have the configuration that you're trying to write into.
- The value doesn't have the right format (for Date, Number and Yes/No property types)

Note:
Acceptable formats for "Yes/No" properties are "Yes, Y, True, T or 1" and "No, N, False, F or 0".

To delete a property of a file, empty the cell of all characters, then validate.

To delete a property in all the files, right-click the column's header and choose "Delete Column and Custom Prop".
Or choose "Delete Column, the ones after and Custom Prop" to delete all the columns on the right and their custom properties.
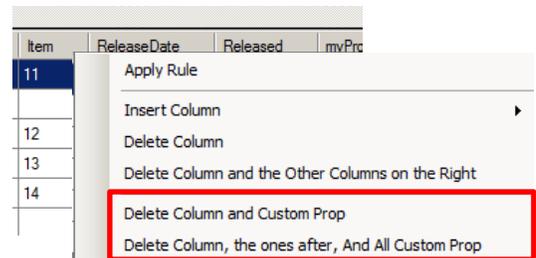
To update a custom property value in all the files, you can write a text in the Rule line (3rd line), then right-click the column's header and choose "Apply Rule". The value will be written in all the files.
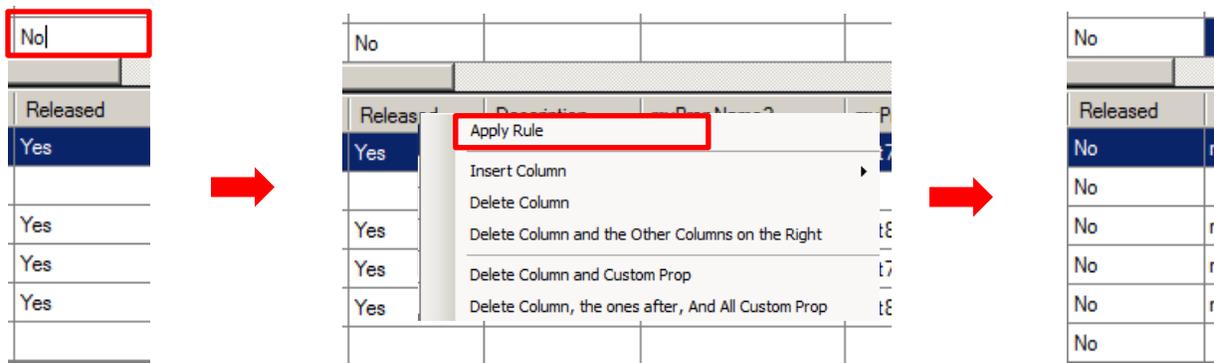
A rule can contain a mix of text and functions.

Right-clicking the Rules line will show a context menu with some functions:
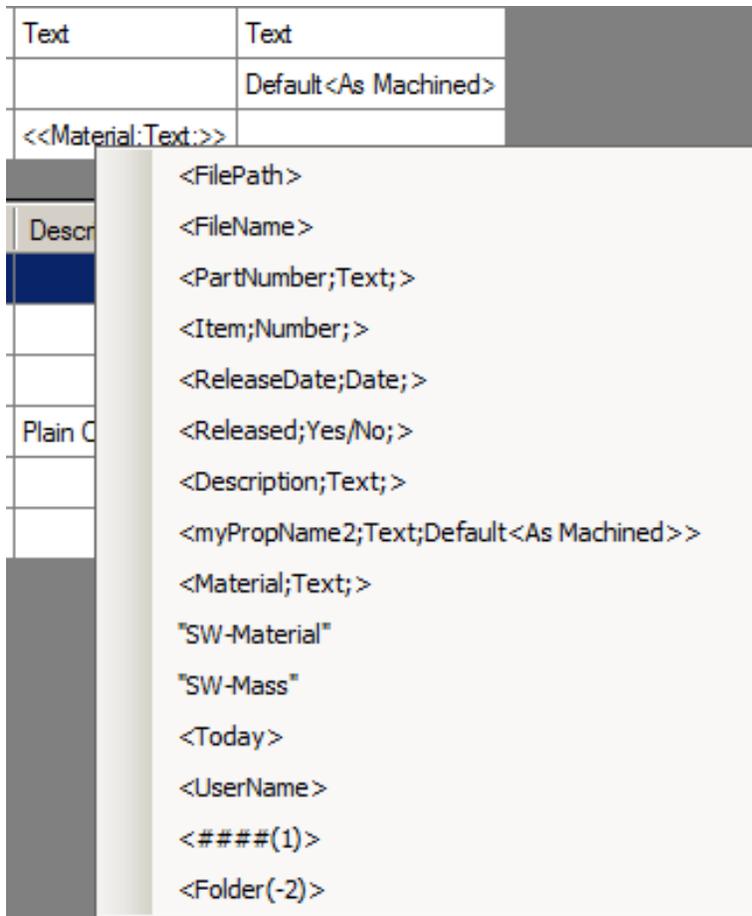
Available Rules functions:

<FileName> will write the file name

<FilePath> will write the full path of the file. i.e. "C:\myFiles\Project1\Machine1\Part1.sldprt"

<Folder(#)>
Given the above path, "<Folder(2)>" will return "myFiles", while "<Folder(-2)>" will write "Machine1"

<CustomPropName;CustomPropType;PartConfig>
will copy the value of a custom property of this file to a different one.

<<CustomPropName;CustomPropType;PartConfig>> (almost the same as above but…)
It will copy the Evaluated value of a custom property of this file to a different one.

		<Length;Text;><Material;Text;>				<Length;Text;><Material;Text;>
Length	Material	Description		Length	Material	Description
"D1@Sketch1@Part...			→	"D1@Sketch1@Part...		"D1@Sketch1@Part6.SLDPRT"
	"SW-Material"				"SW-Material"	"SW-Material"

		<<Length;Text;>><<Material;Text;>>				<<Length;Text;>><<Material;Text;>>
Length	Material	Description		Length	Material	Description
"D1@Sketch1@Part...			→	"D1@Sketch1@Part...		40
	"SW-Material"				"SW-Material"	Plain Carbon Steel

Note: the cell needs to be evaluated by SolidWorks (i.e. opened and saved) for this to work. So if the tool tip doesn't appear when hovering over the cell, it won't work. Only the regular value will be written.

<Today> will write today's date

<##(7)> will increment a number of minimum 2 characters starting at number 7

myDescription<##(7)>
Description
myDescription07
myDescription08
myDescription09
myDescription10
myDescription11

<UserName> will write the user name of the windows session

"SW-Material", "SW-Mass" … will write a dynamic link to the part material, mass…
(see Solidworks custom properties drop down menu for complete list)

Note:
For more complex modifications, you could use Microsoft Excel:
Select the rows > Ctrl+C > Paste in Excel > Make modifications > Copy the cells that you want > Select the top-left cell that you want to change in the program > Ctrl+V