SOLIDWORKS WORLD 2015
FEBRUARY 8-11
PHOENIX CONVENTION CENTER | PHOENIX, AZ

Configuring SOLIDWORKS Toolbox

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Let's start with:

What is the Toolbox?

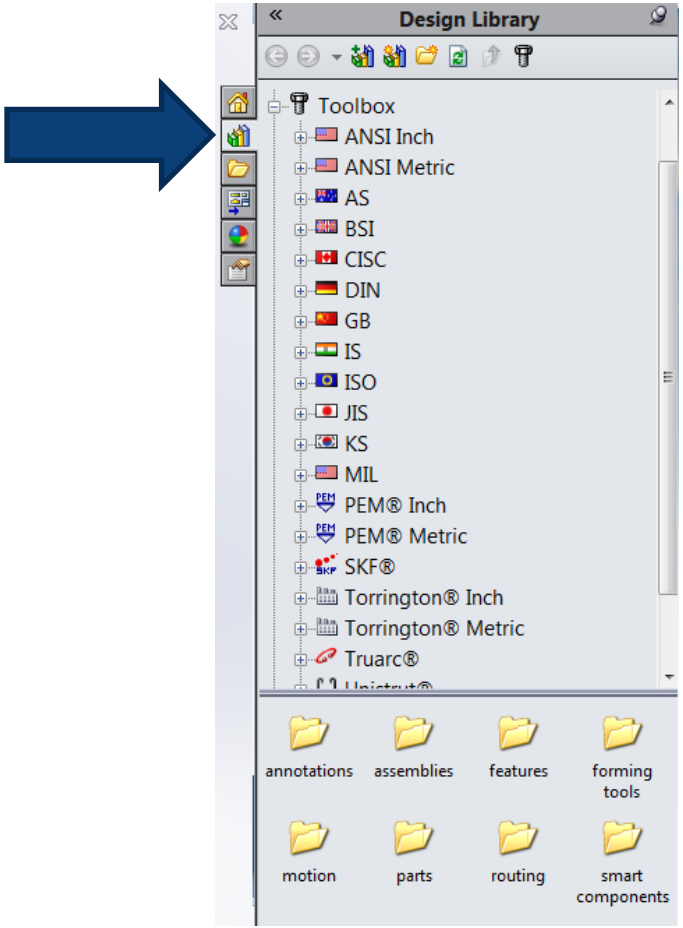
- Fully integrated inside of SOLIDWORKS
- Standard library of parts
- Drag and drop insertion into SOLIDWORKS
- Customizable data
- Available with SOLIDWORKS Professional and Premium

Where is the Toolbox?

Location –

Design Library tab

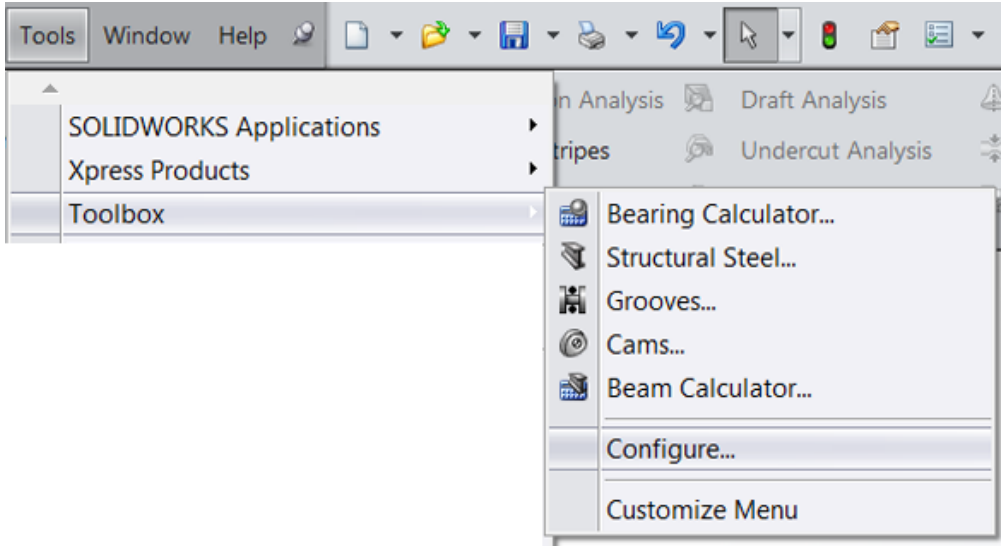
on the Task Pane



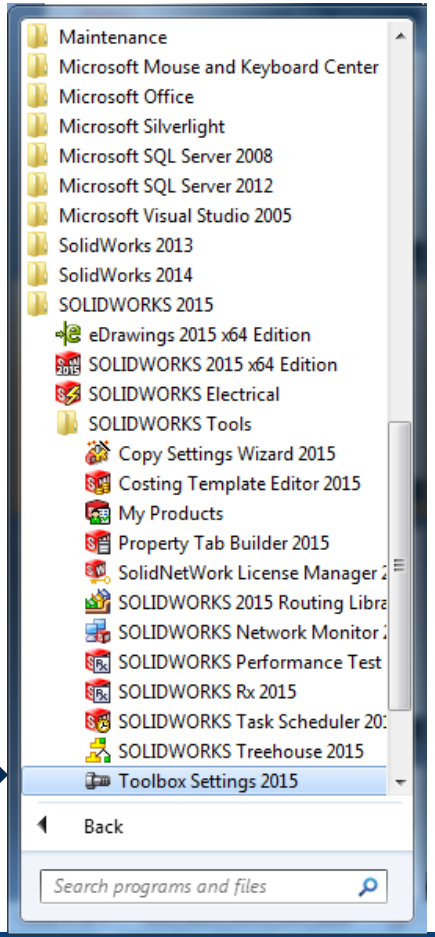
How do we change it?

Locations for the configurator:

Pull down Menu inside of SOLIDWORKS



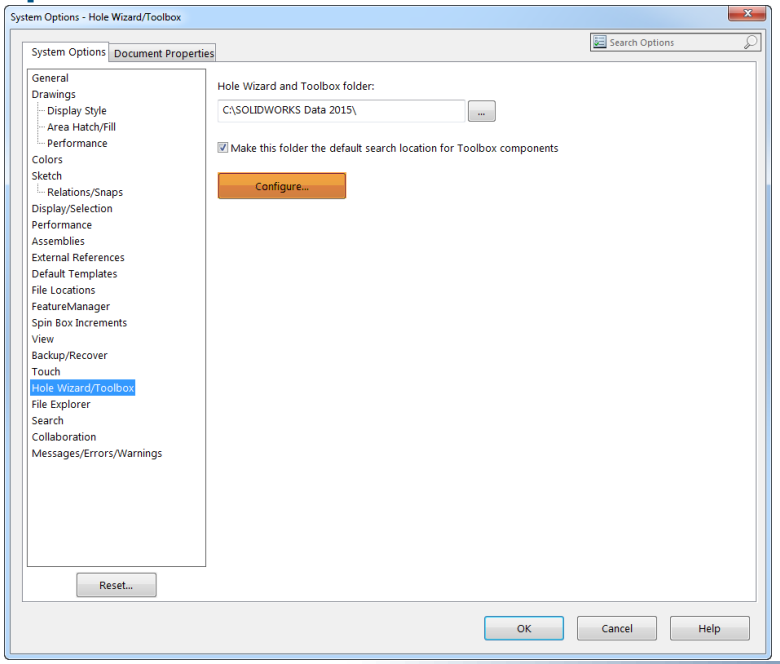
Start Menu



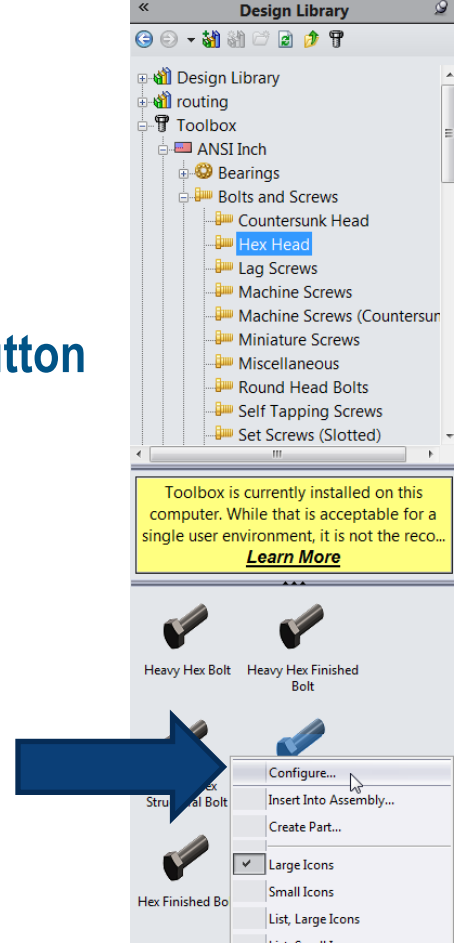
Most commonly:

Locations to edit the Toolbox configuration:

Options Menu inside of SOLIDWORKS OR



Right Mouse Button

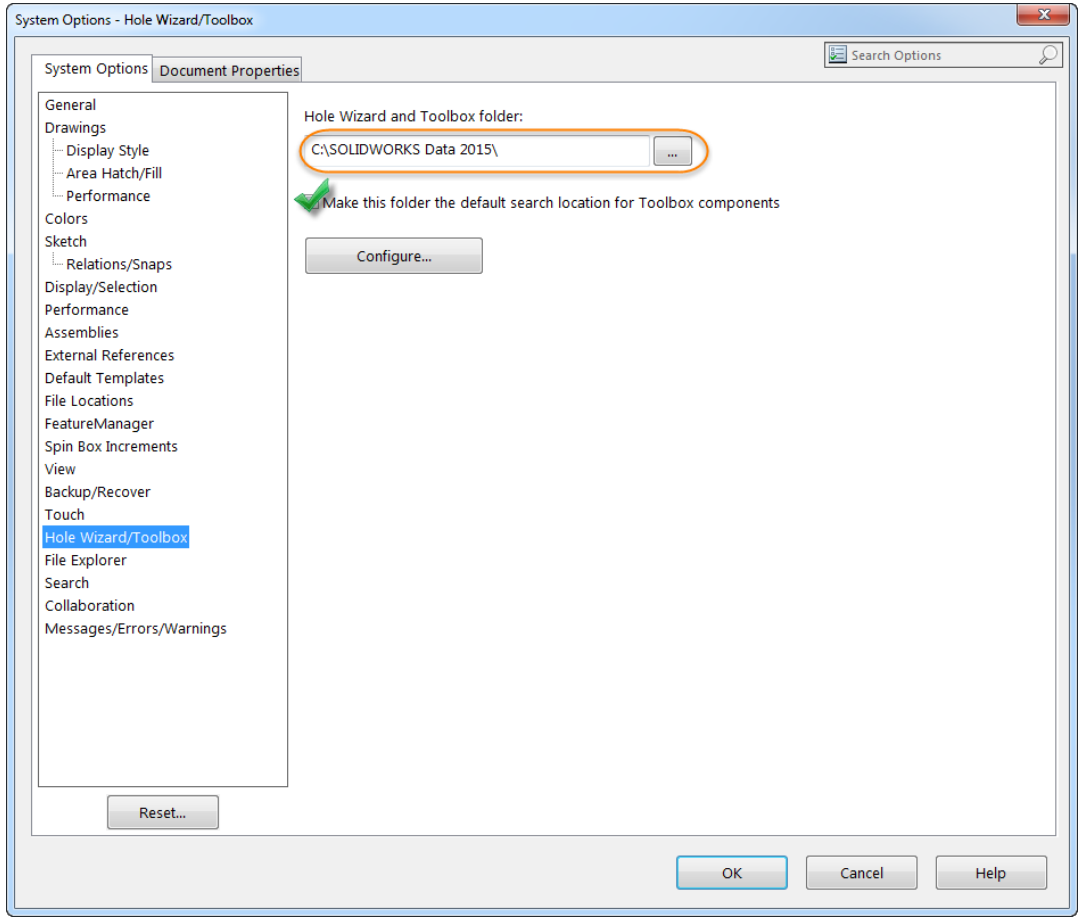


Toolbox Location

- Location where Toolbox is
- Default search location

UNLESS…

the Toolbox flag is removed from the part file.

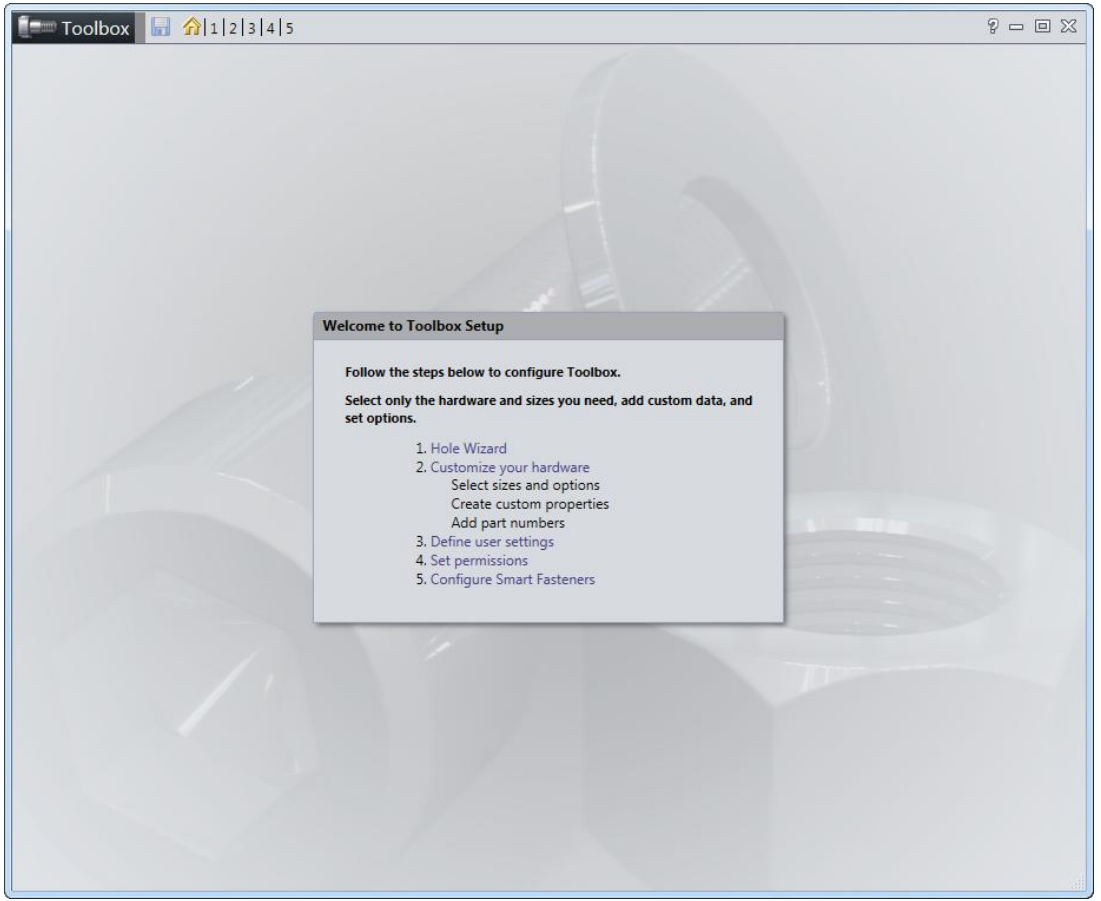


A small bit of advice…

**As always please be sure to back-up your original Toolbox folder prior to making any changes. To be sure you have a good copy, make sure to take the whole SolidWorks Data folder..

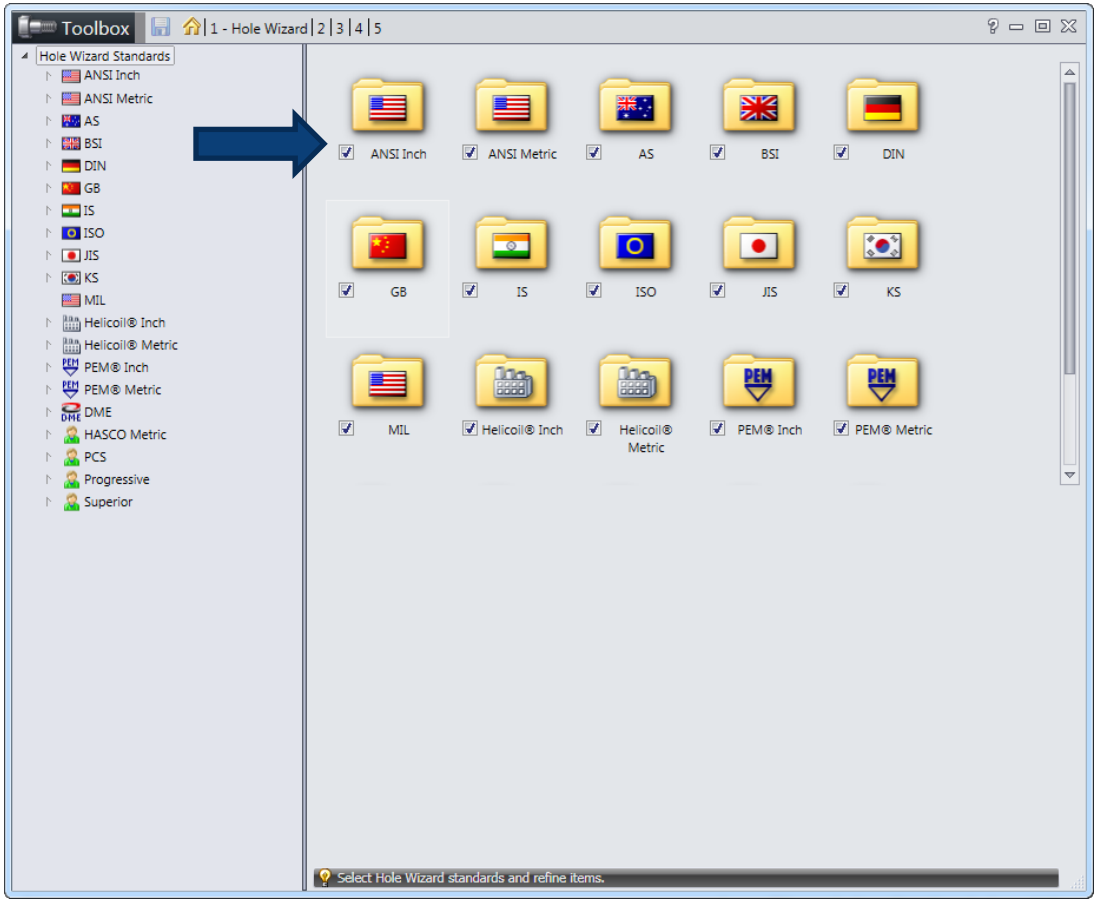
Main Menu

- Hole Wizard
- Customize your hardware
- Define user settings
- Set permissions
- Configure Smart Fasteners



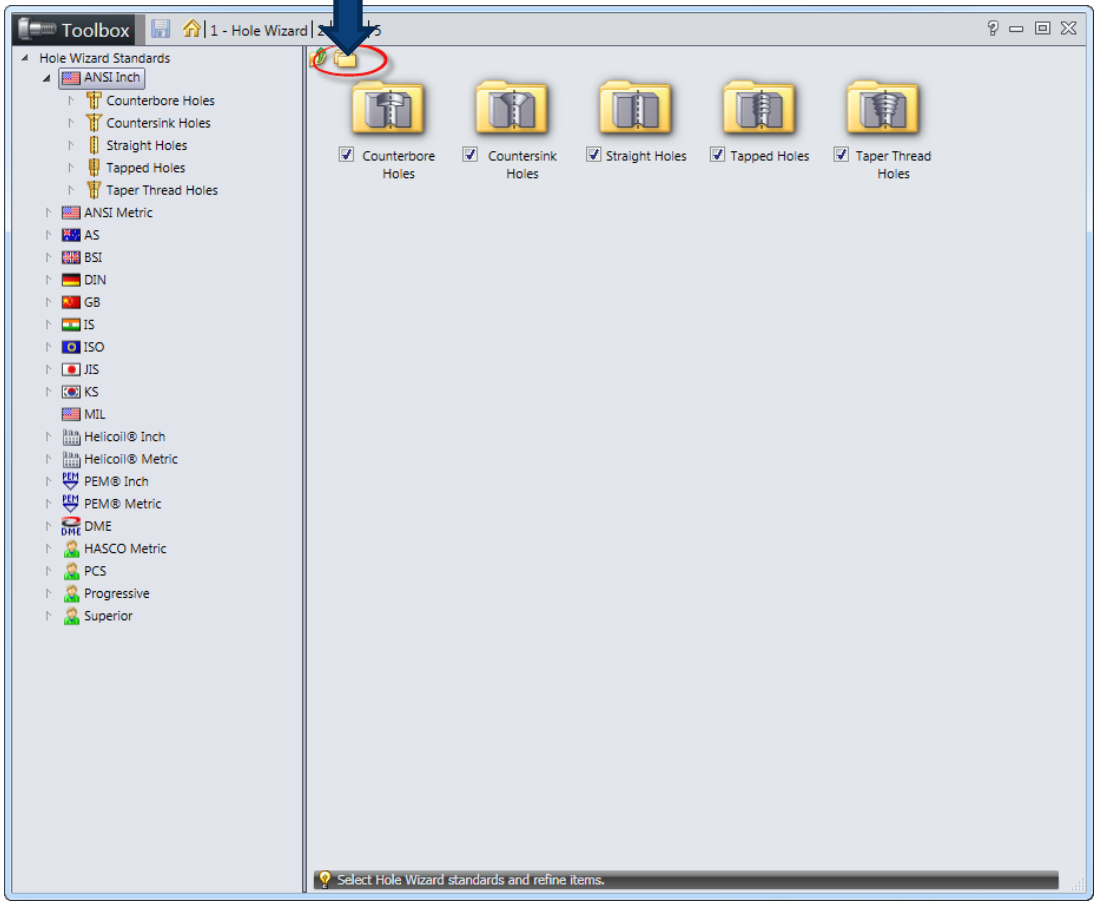
Hole Wizard

- Controls Standards



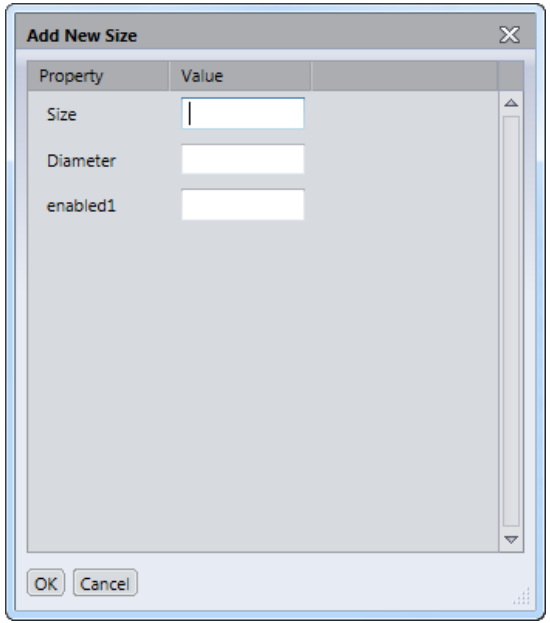
Hole Wizard

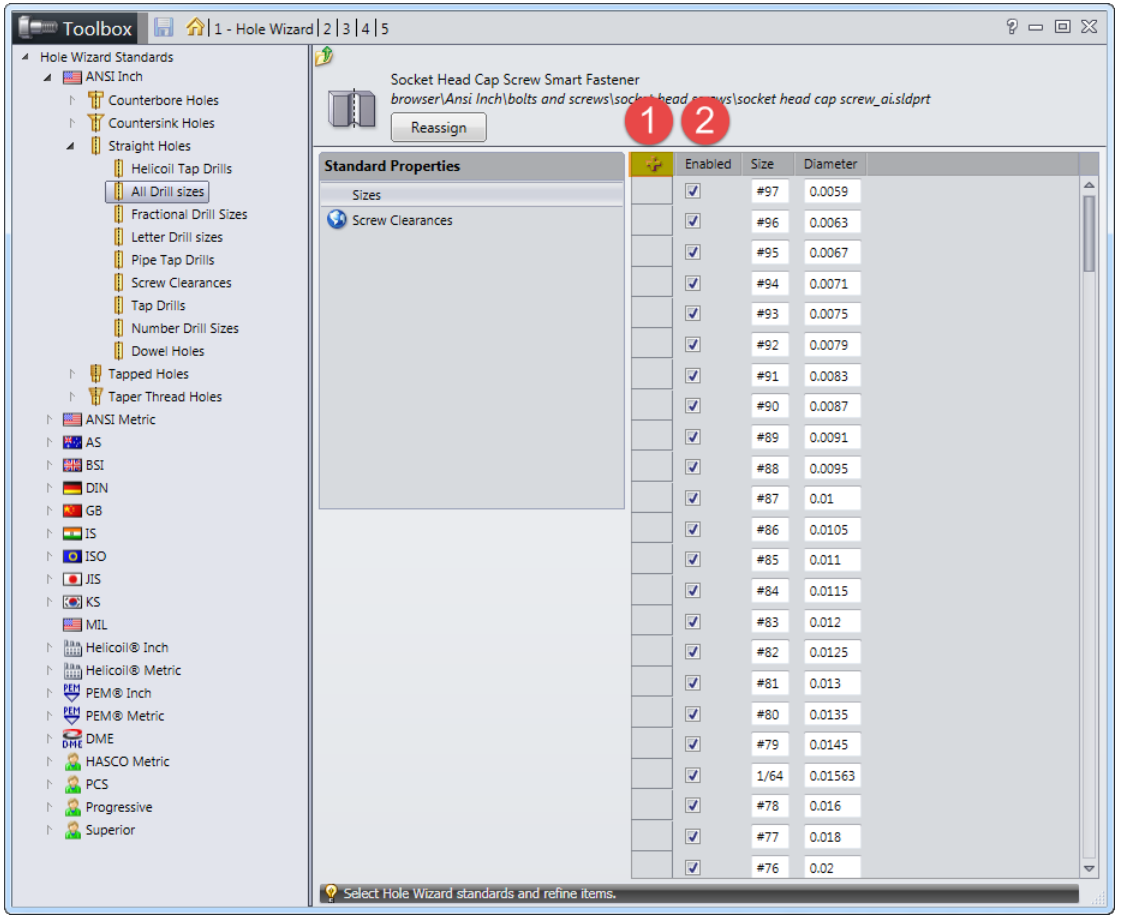
- Controls hole type & allows copying of a standard adding a new set of custom sizes.



Hole Wizard

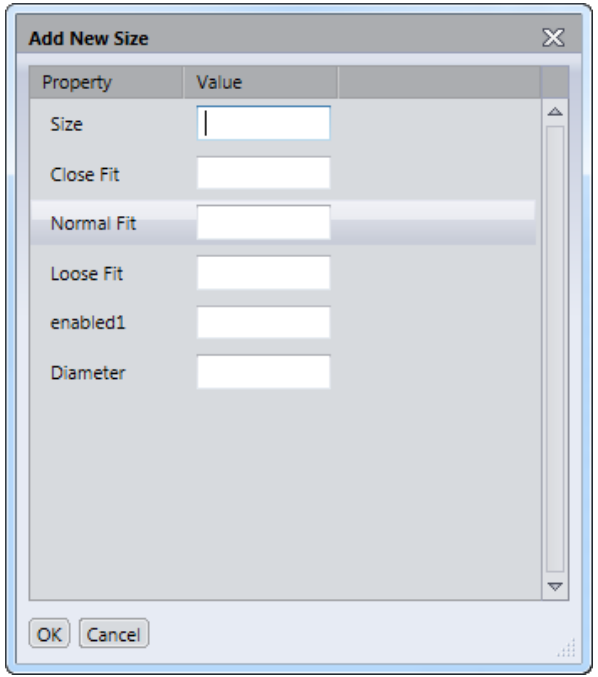
- Add or remove std. size
- Add custom value

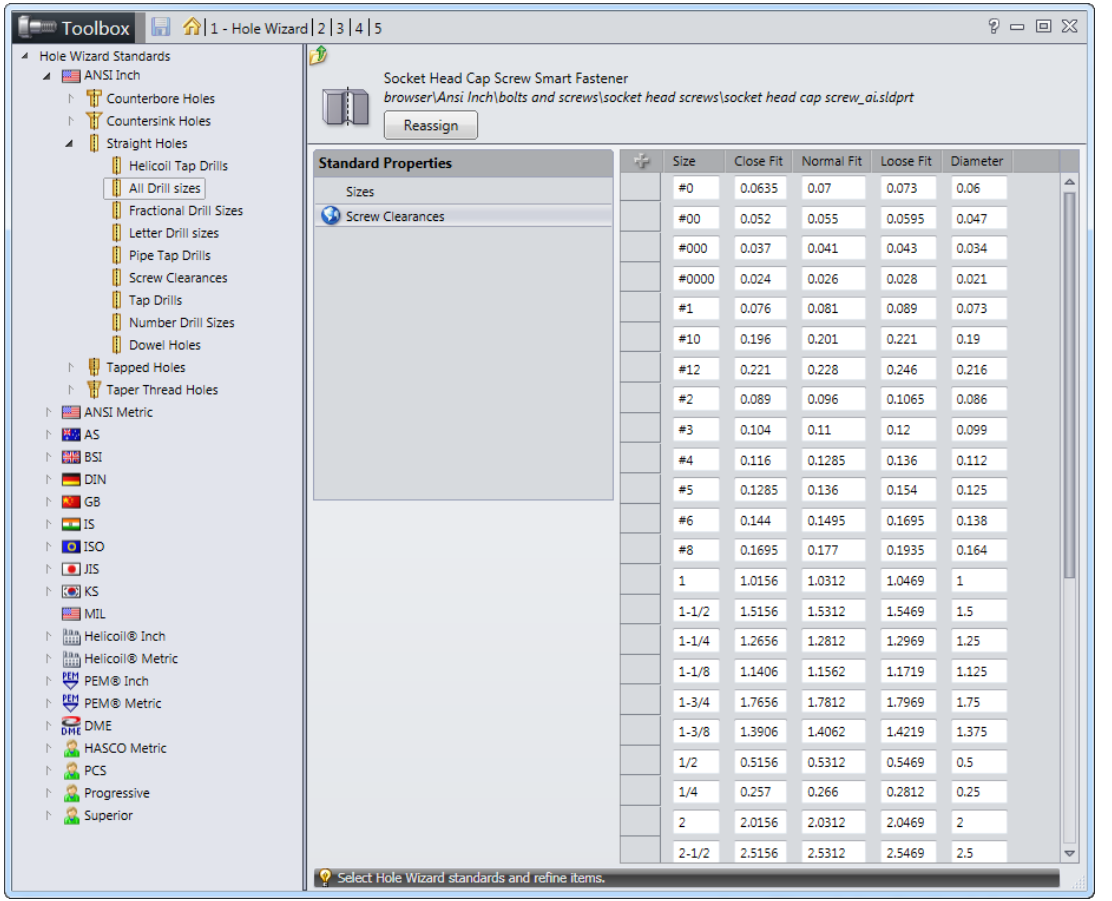




Hole Wizard

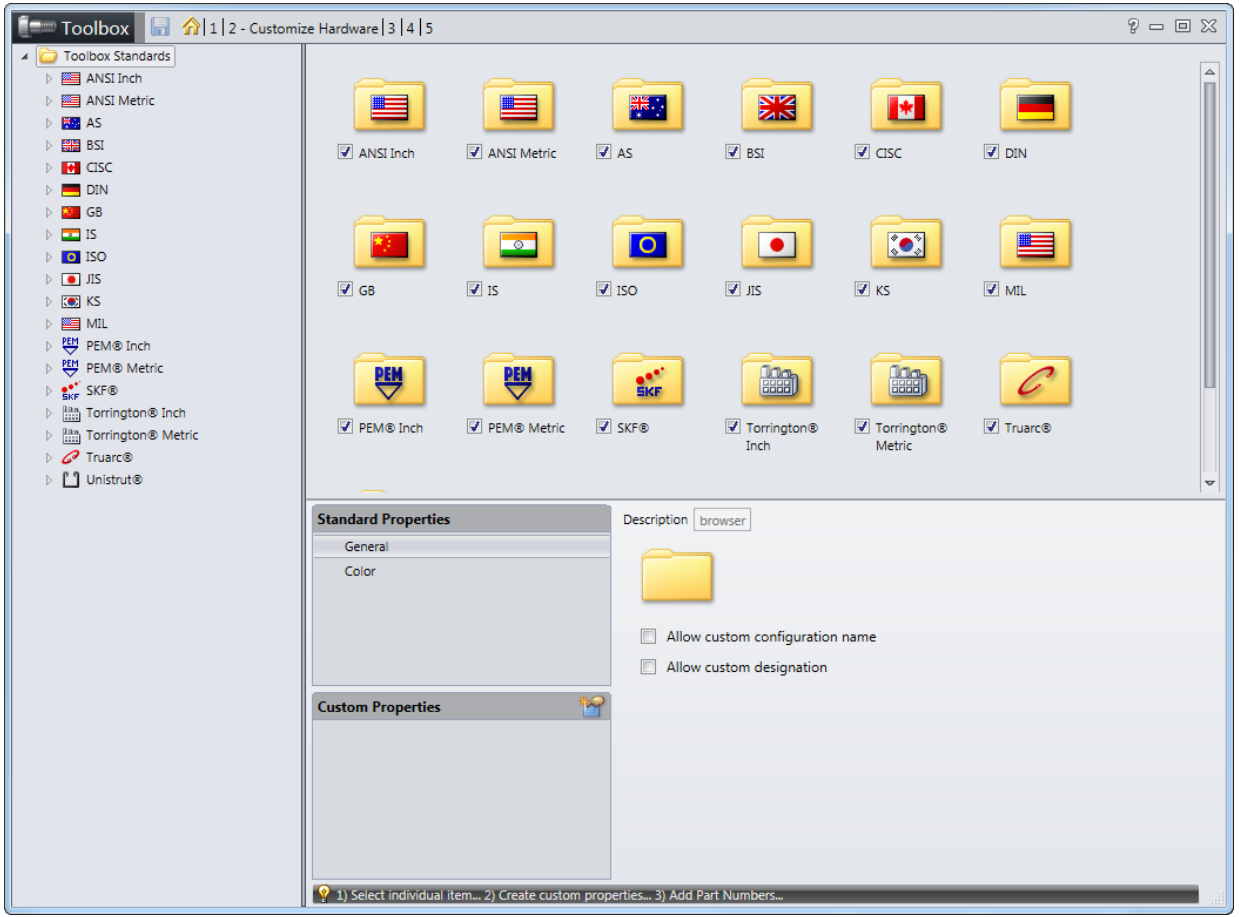
- Screw Clearances





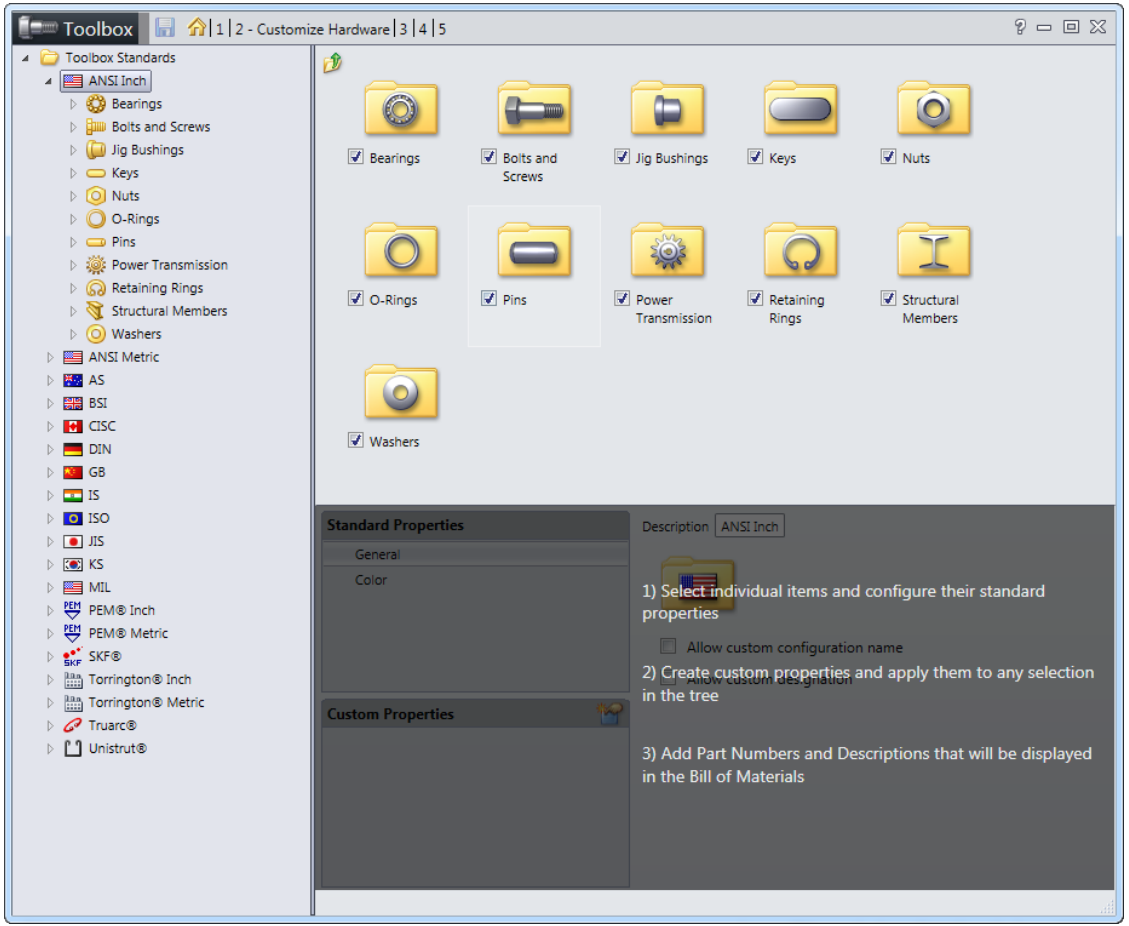
Hardware

- Enable Standards



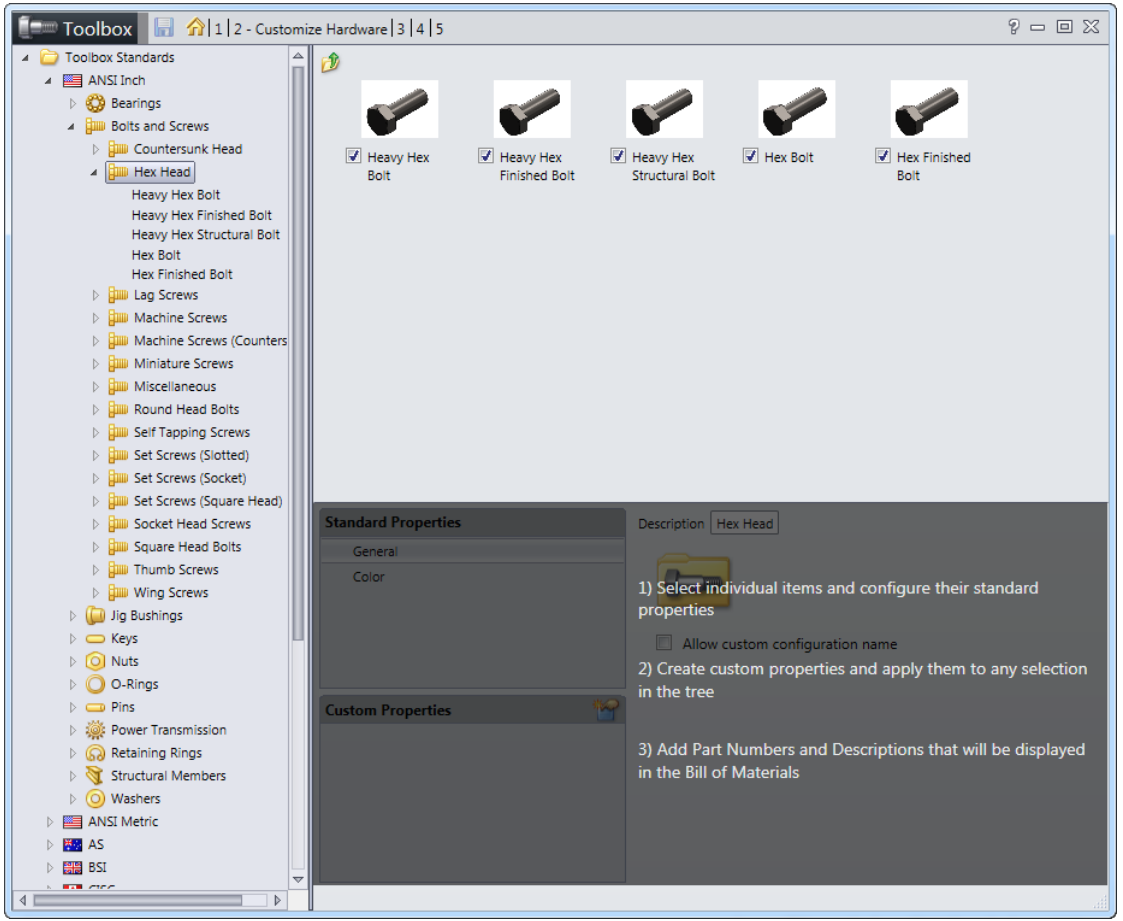
Hardware

- Enable Components



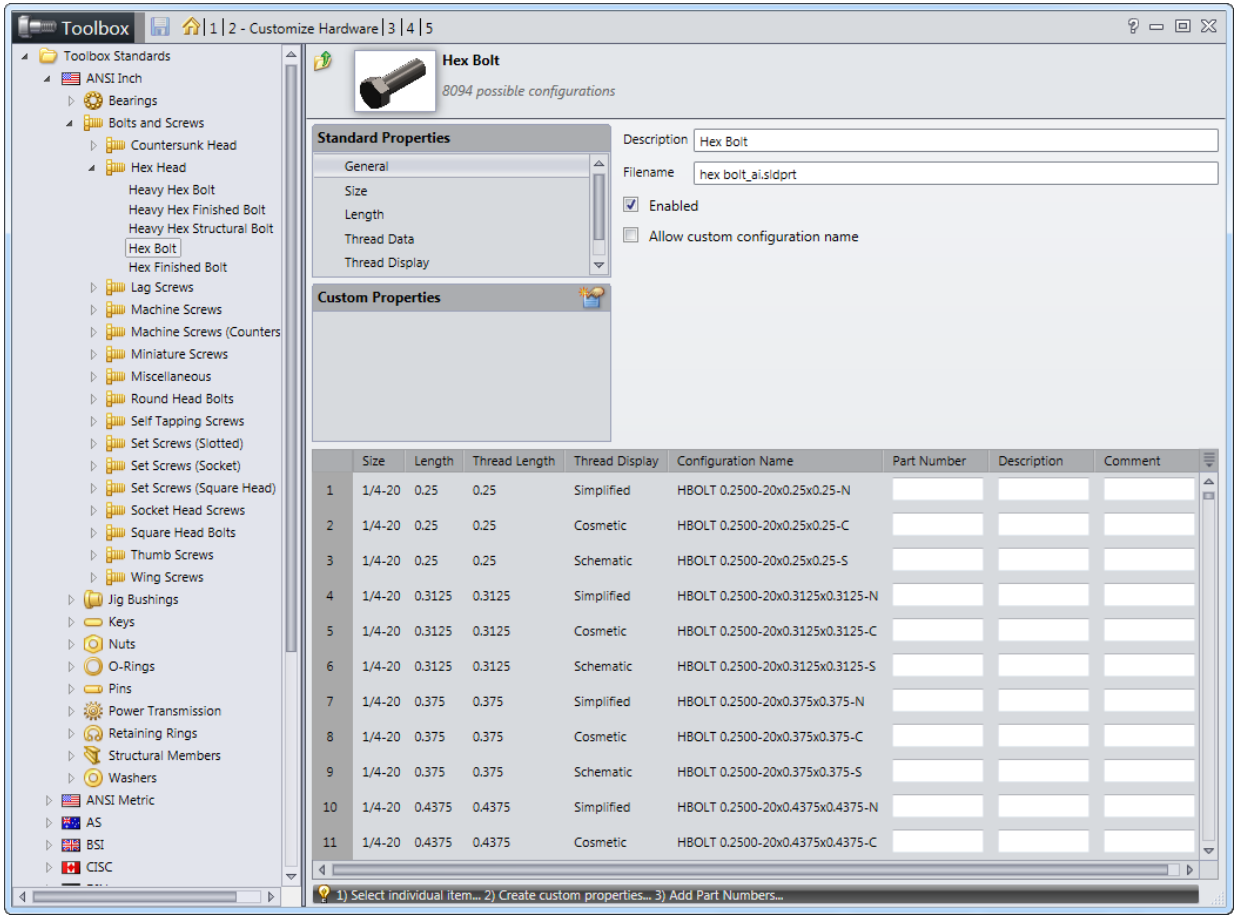
Hardware

- Select specific types



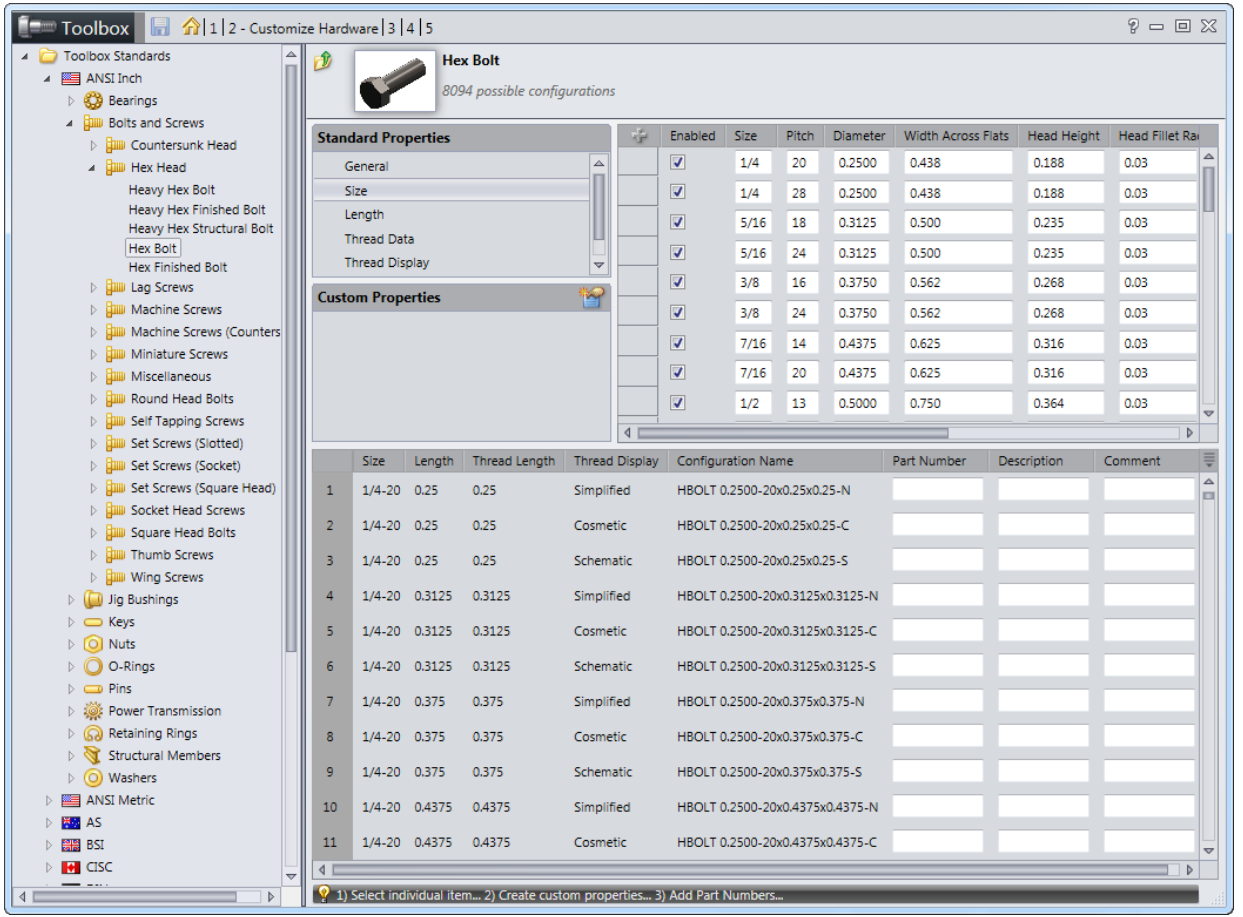
Hardware

- General info



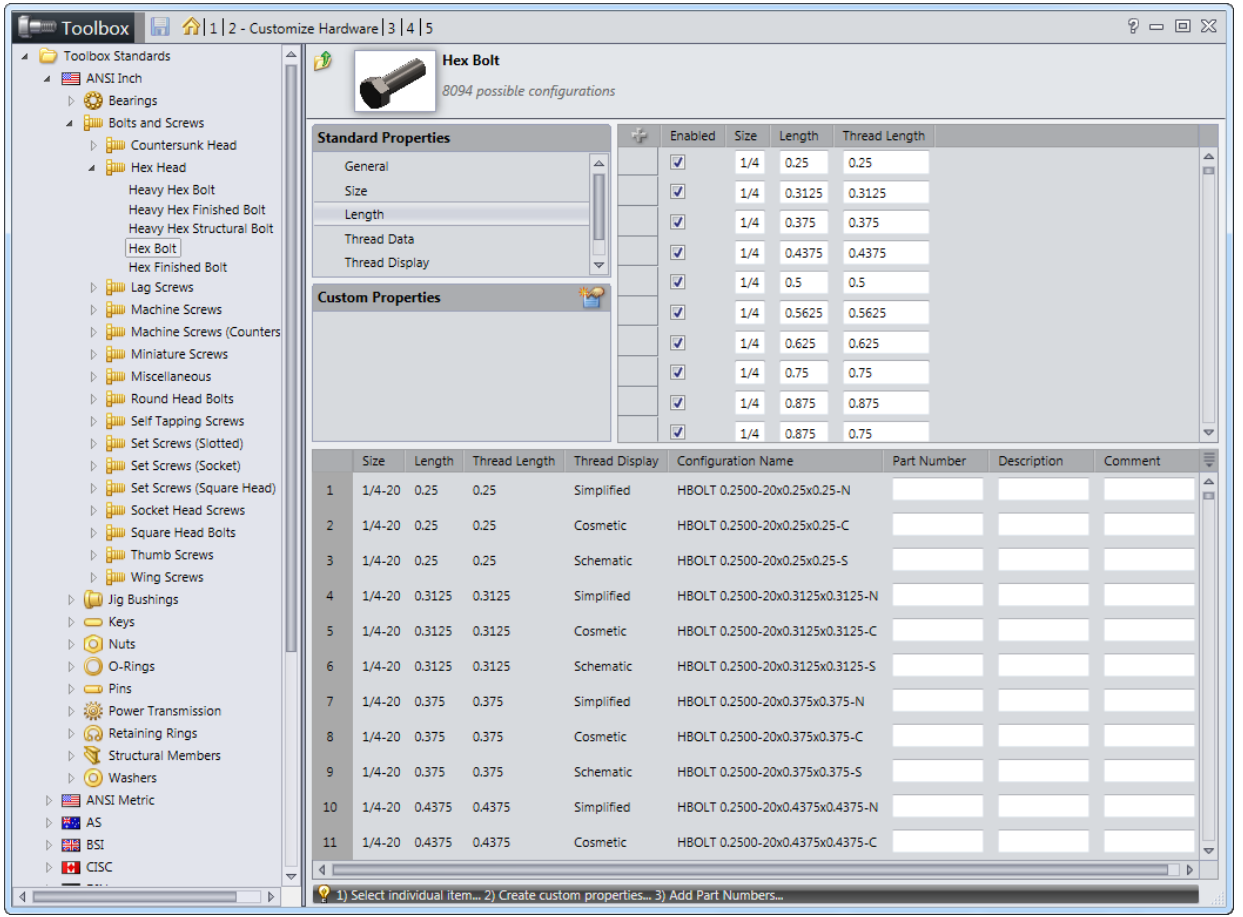
Hardware

- Size modification



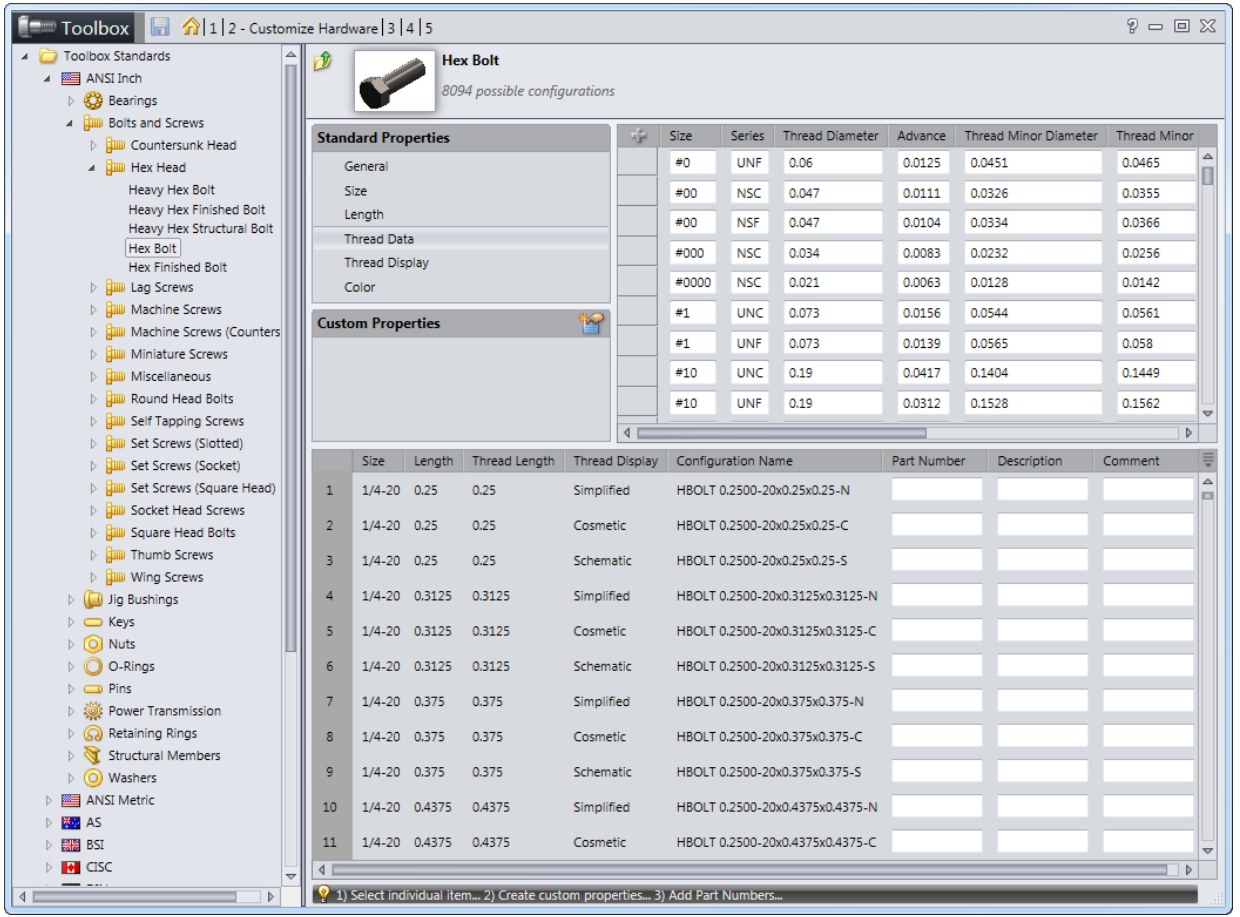
Hardware

- Length modification



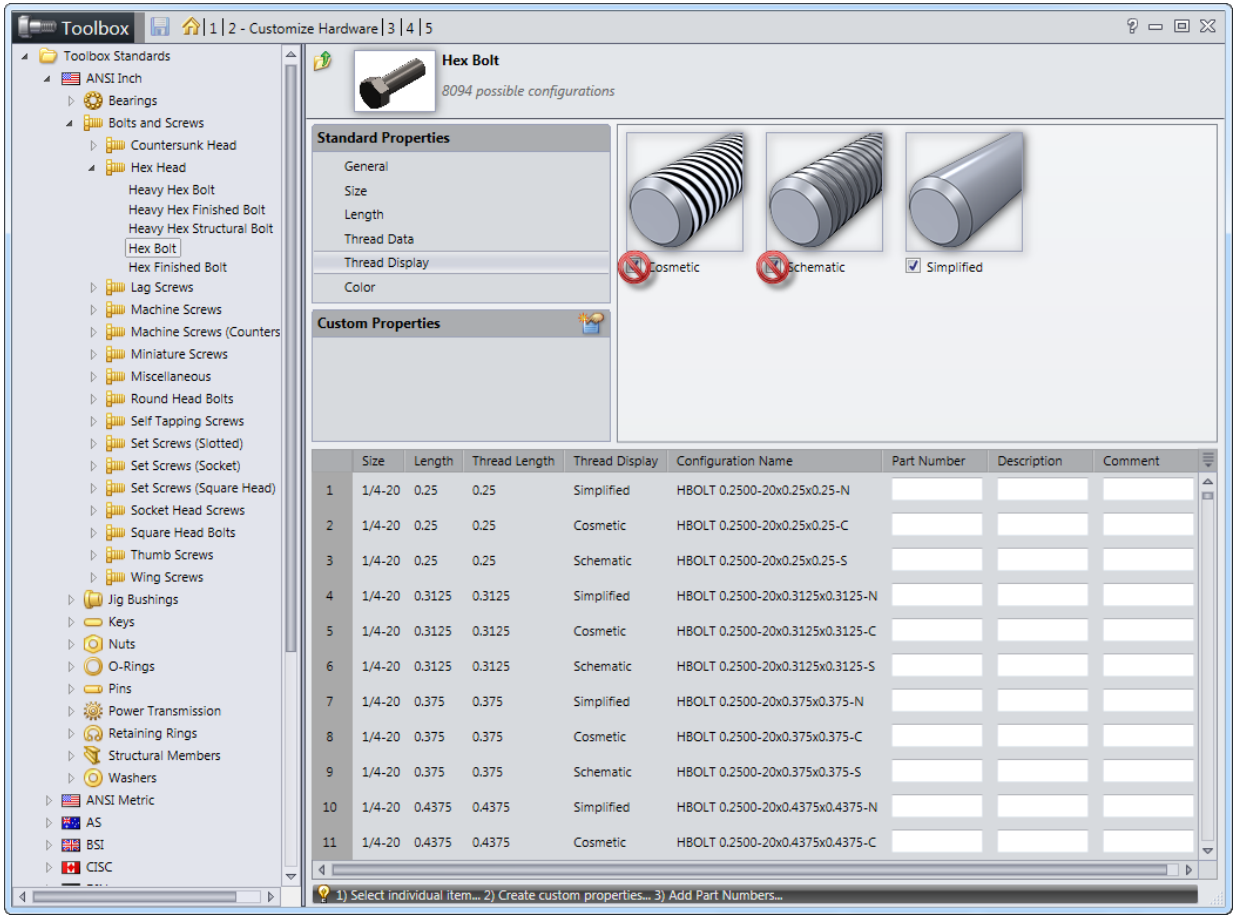
Hardware

- Thread Data



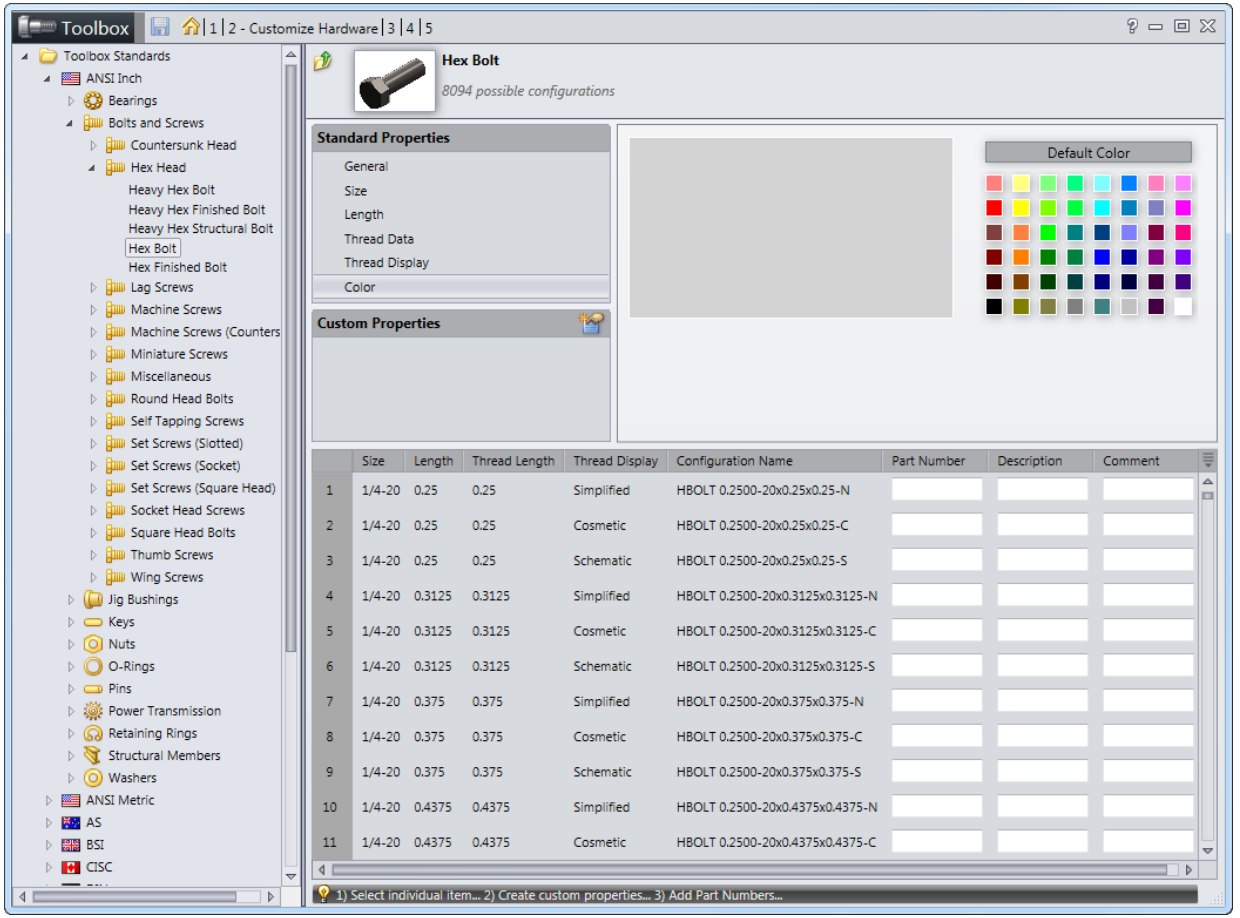
Hardware

- Thread Display



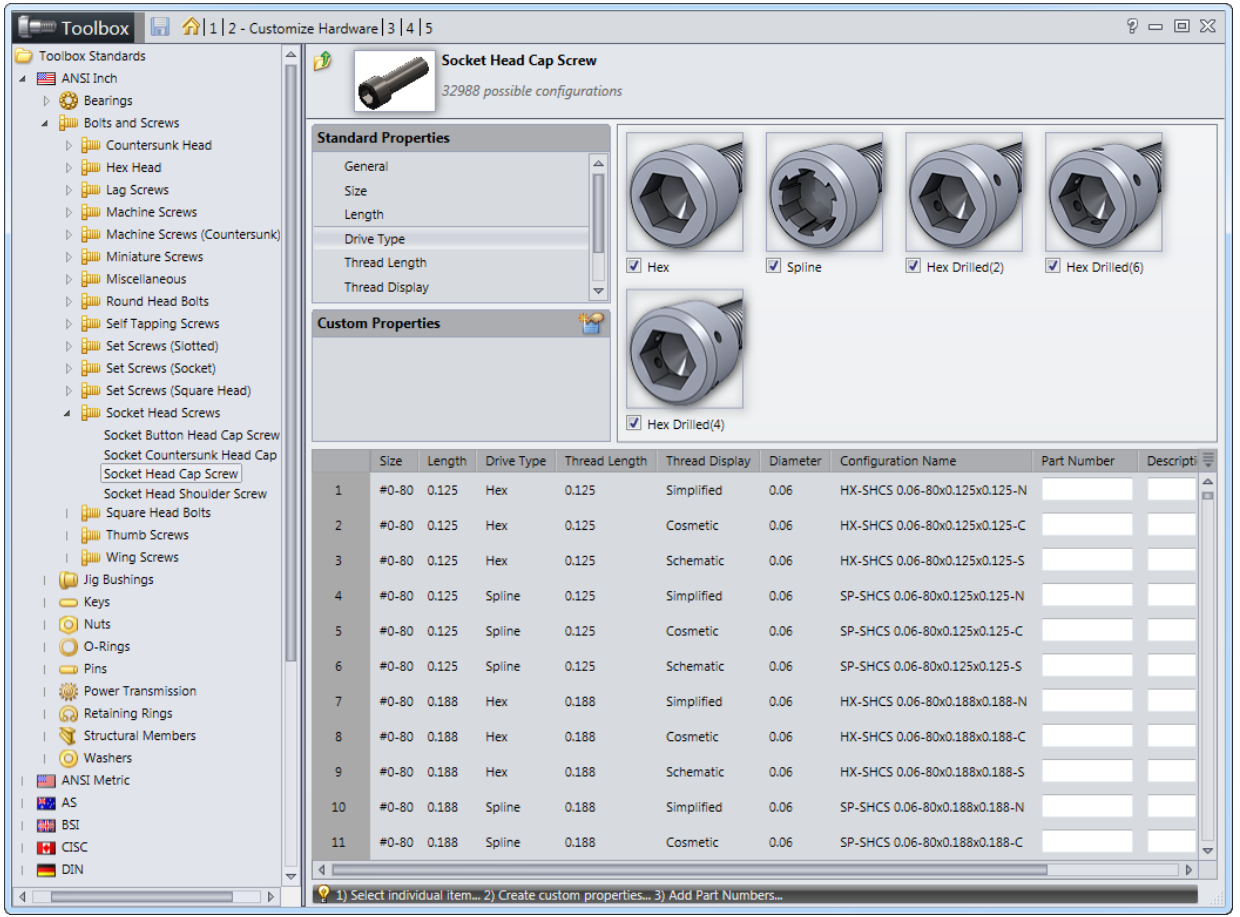
Hardware

- Color



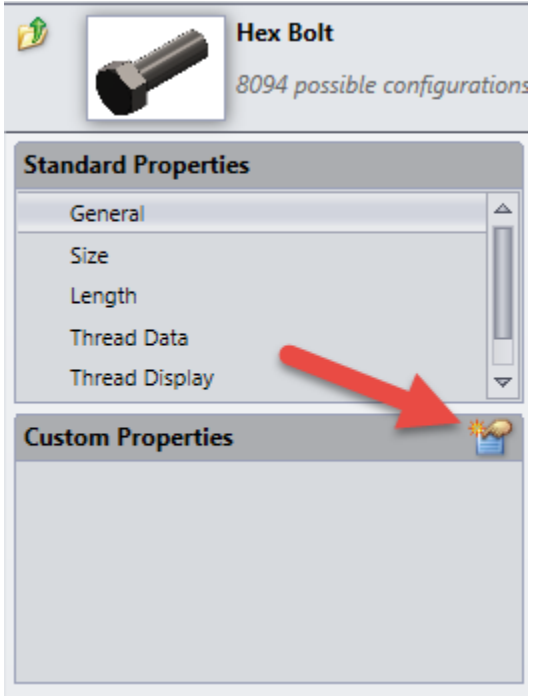
Hardware

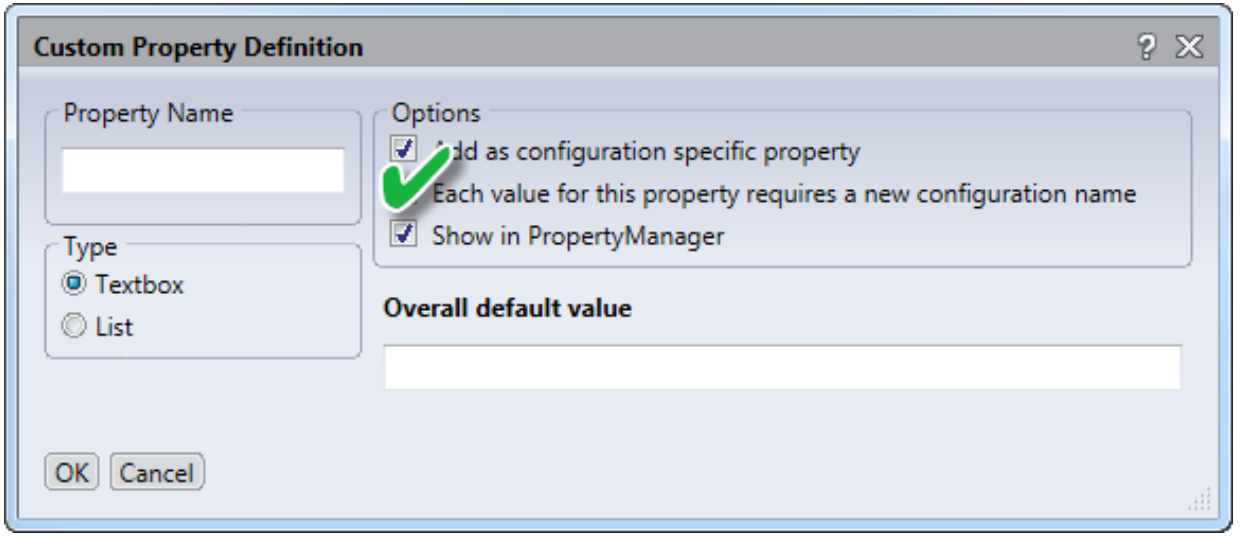
- Drive type



Hardware

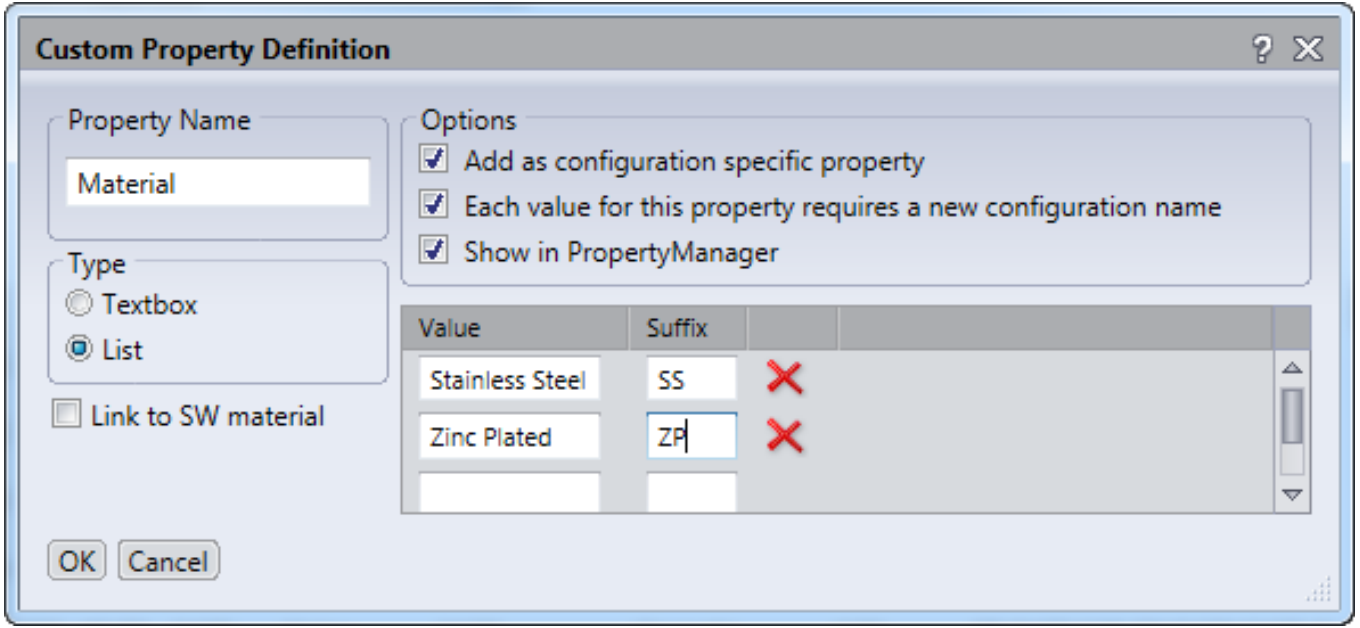
- Custom properties





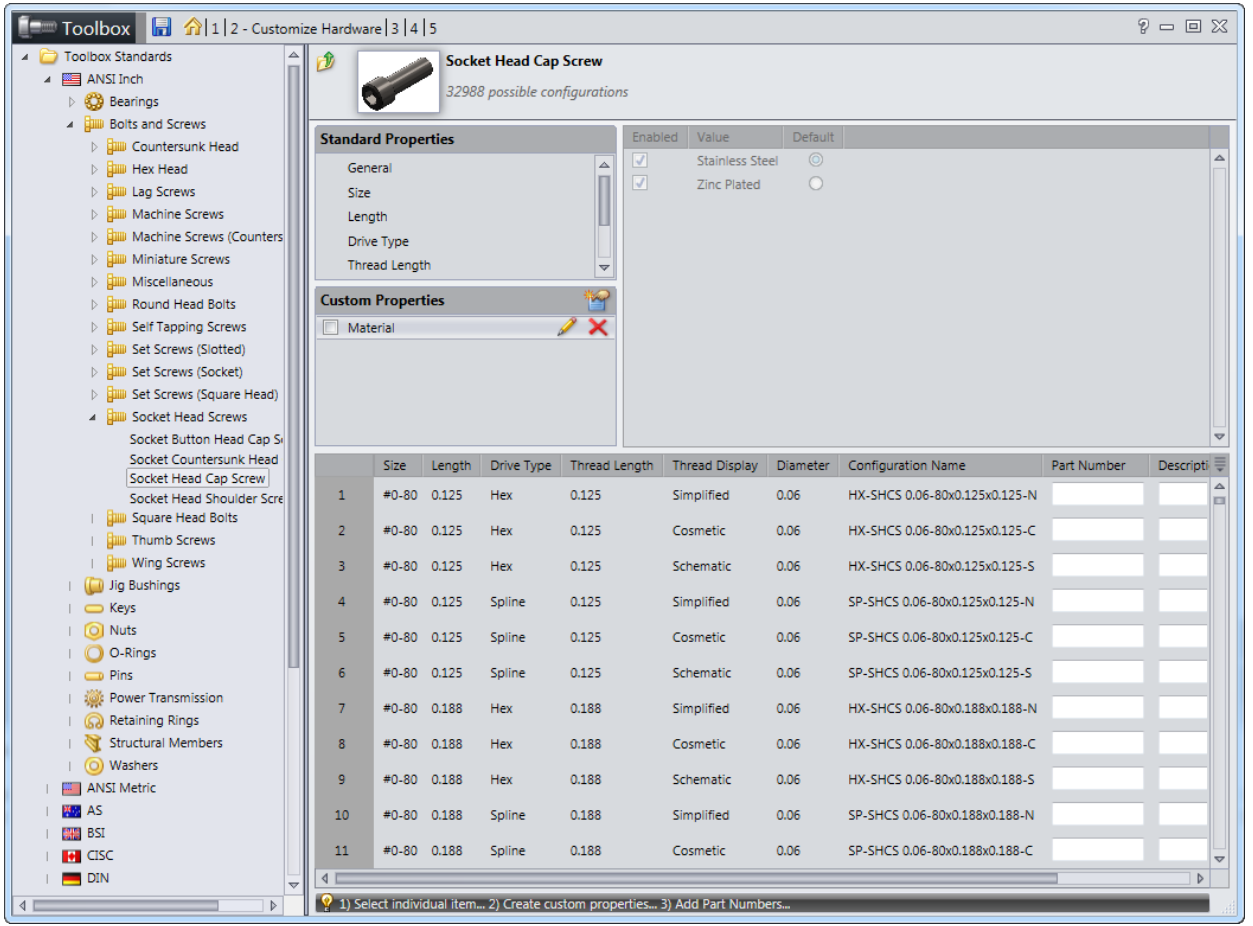
Hardware

- Adding the custom property to the hardware



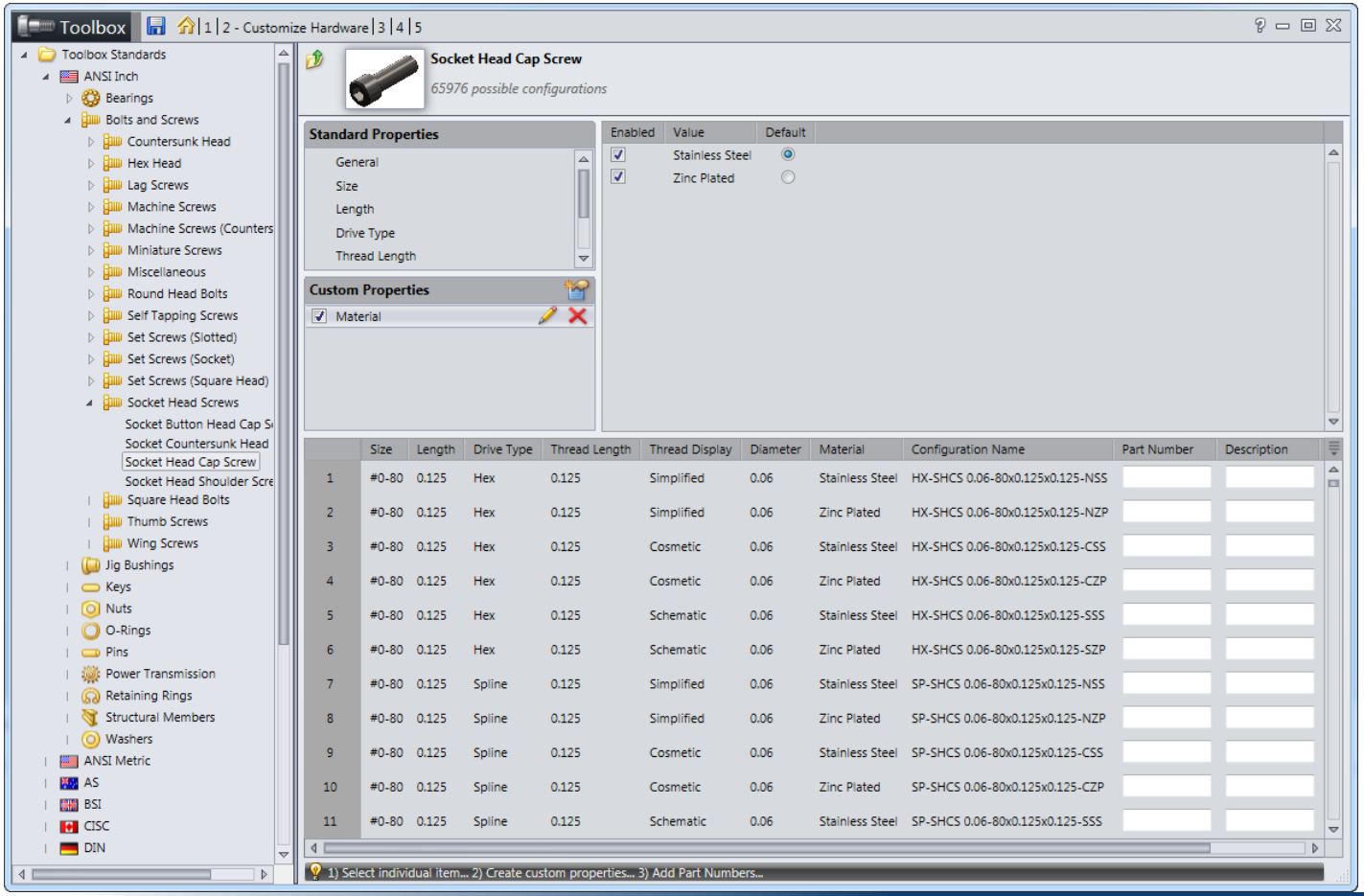
Hardware

- Custom properties



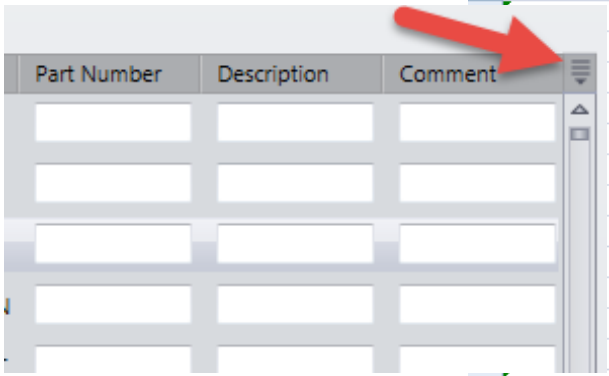
Hardware

- Custom properties



Hardware

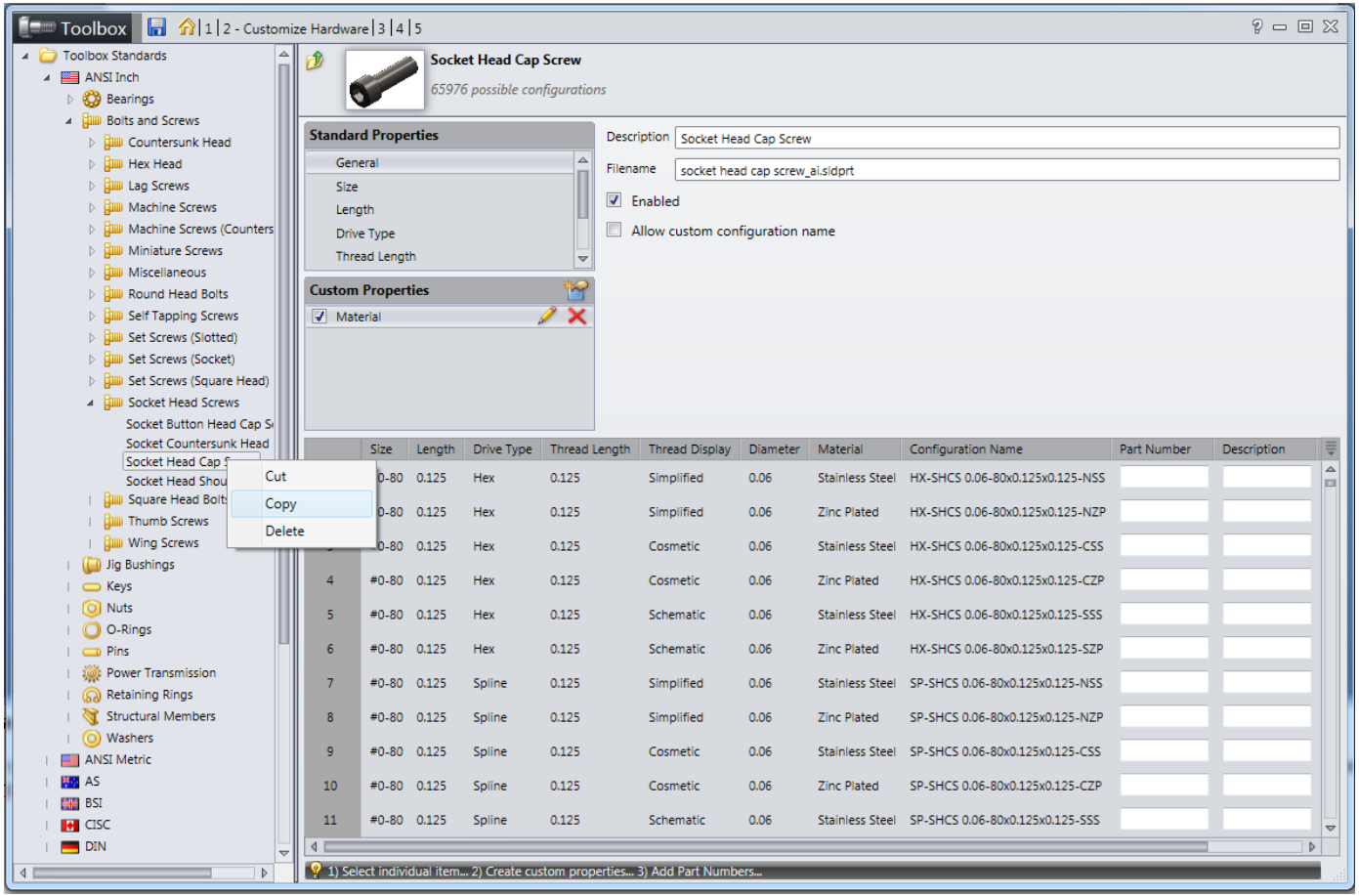
- Tables



	A	B	C	D	E	F	G	H
1	Fastener Name	Hex Bolt						
2	Fastener ID	HBOLT_AI_BS_PN						
3								
4	**Size**	**Length**	**Thread Length**	**Thread Display**	**Configuration Name**	**Part Number**	**Description**	**Comment**
5								
6	1/4-20	0.25	0.25	Simplified	HBOLT 0.2500-20x0.25x0.25-N			
7	1/4-20	0.25	0.25	Cosmetic	HBOLT 0.2500-20x0.25x0.25-C			
8	1/4-20	0.25	0.25	Schematic	HBOLT 0.2500-20x0.25x0.25-S			
9	1/4-20	0.3125	0.3125	Simplified	HBOLT 0.2500-20x0.3125x0.3125-N			
10	1/4-20	0.3125	0.3125	Cosmetic	HBOLT 0.2500-20x0.3125x0.3125-C			
		0.3125	0.3125	Schematic	HBOLT 0.2500-20x0.3125x0.3125-S			
		0.375	0.375	Simplified	HBOLT 0.2500-20x0.375x0.375-N			
		0.375	0.375	Cosmetic	HBOLT 0.2500-20x0.375x0.375-C			
		0.375	0.375	Schematic	HBOLT 0.2500-20x0.375x0.375-S			
		0.4375	0.4375	Simplified	HBOLT 0.2500-20x0.4375x0.4375-N			
		0.4375	0.4375	Cosmetic	HBOLT 0.2500-20x0.4375x0.4375-C			
		0.4375	0.4375	Schematic	HBOLT 0.2500-20x0.4375x0.4375-S			
		0.5	0.5	Simplified	HBOLT 0.2500-20x0.5x0.5-N			
		0.5	0.5	Cosmetic	HBOLT 0.2500-20x0.5x0.5-C			
		0.5	0.5	Schematic	HBOLT 0.2500-20x0.5x0.5-S			
		0.5625	0.5625	Simplified	HBOLT 0.2500-20x0.5625x0.5625-N			
		0.5625	0.5625	Cosmetic	HBOLT 0.2500-20x0.5625x0.5625-C			
23	1/4-20	0.5625	0.5625	Schematic	HBOLT 0.2500-20x0.5625x0.5625-S			
24	1/4-20	0.625	0.625	Simplified	HBOLT 0.2500-20x0.625x0.625-N			
25	1/4-20	0.625	0.625	Cosmetic	HBOLT 0.2500-20x0.625x0.625-C			
26	1/4-20	0.625	0.625	Schematic	HBOLT 0.2500-20x0.625x0.625-S			
27	1/4-20	0.75	0.75	Simplified	HBOLT 0.2500-20x0.75x0.75-N			
28	1/4-20	0.75	0.75	Cosmetic	HBOLT 0.2500-20x0.75x0.75-C			
29	1/4-20	0.75	0.75	Schematic	HBOLT 0.2500-20x0.75x0.75-S			

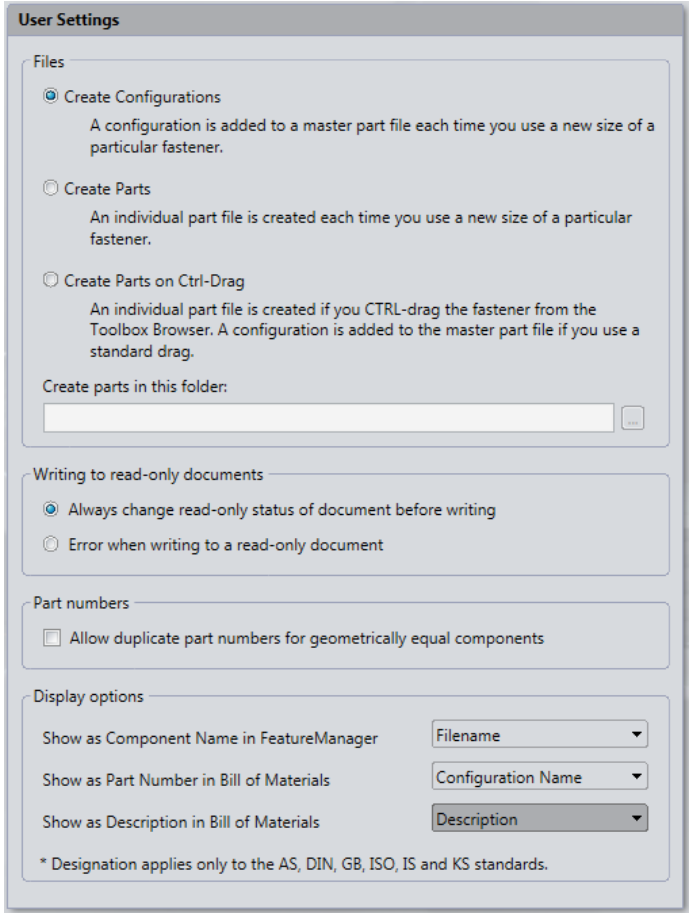
Hardware

- Copy data



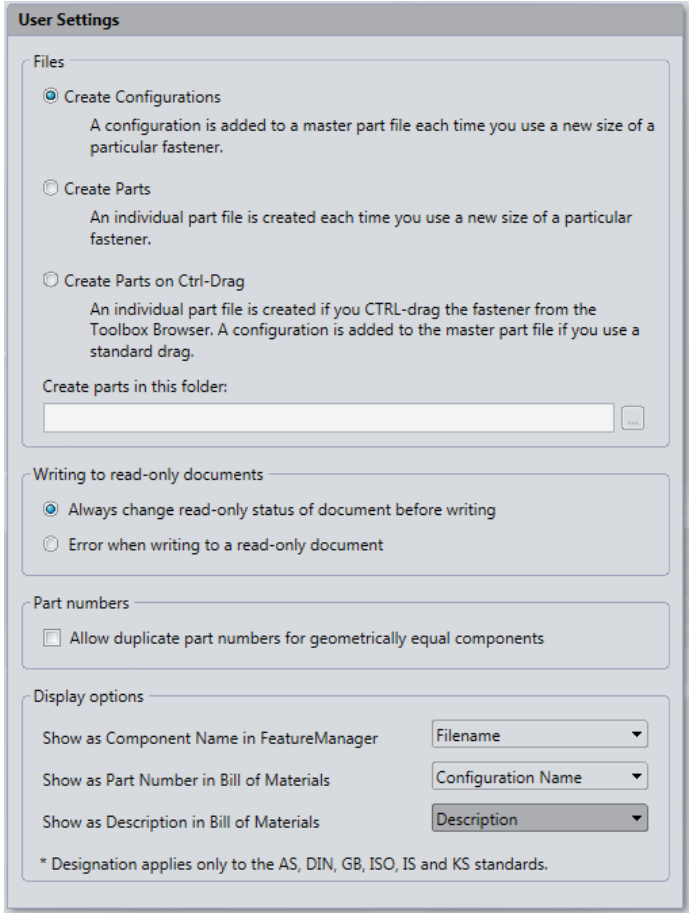
User settings

- Create Configurations
- Create Parts
- Create Parts on Ctrl-drag
- Create Parts in this folder:



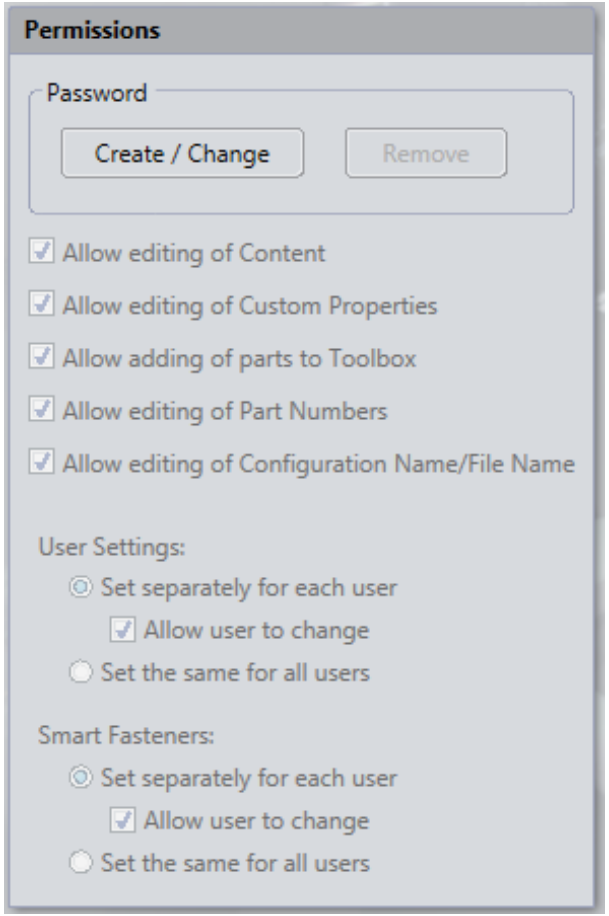
User settings

- Writing to Read-only files
- Always change
- Error when writing
- Allow duplicate part numbers
- Show as Component Name in Feature manager, Show part no. in BOM, and Show description in BOM



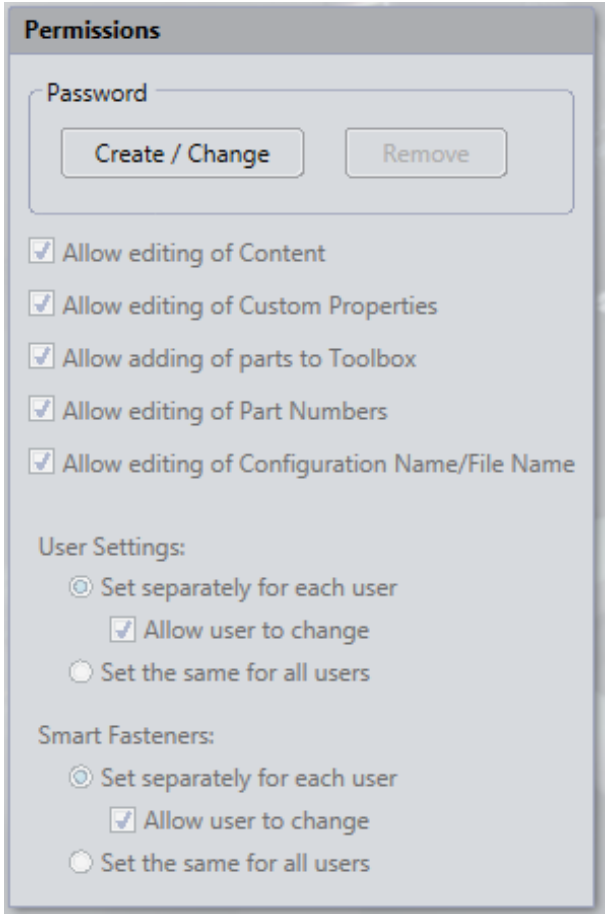
Permissions

- Allow editing Content
- Allow editing Custom Properties
- Allow adding parts to Toolbox
- Allow editing of Part Numbers
- Allow editing of Config/File name



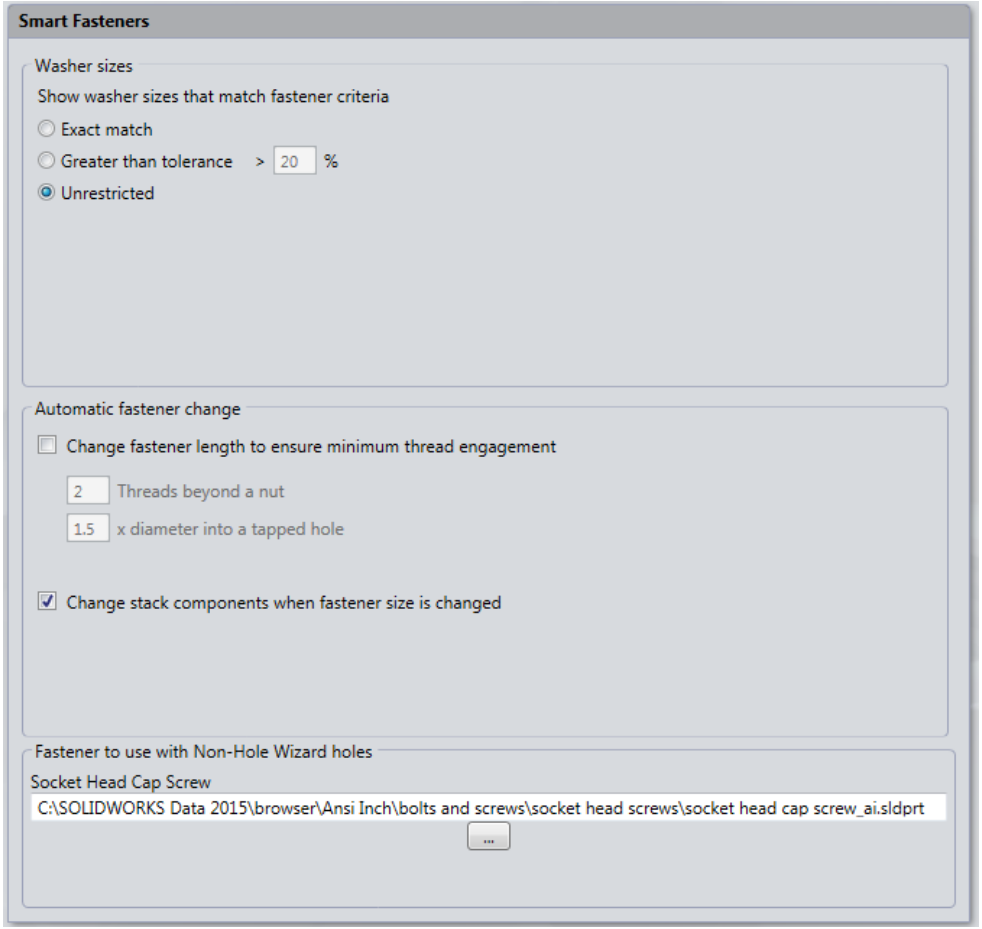
More user settings

- Set up actions for one or all users regarding user settings and Smart Fasteners



Smart Fasteners

- Washer specification
- Automatic fastener change
- Default fastener to use with non-hole wizard holes



Here's a trick!

Removing the Toolbox flag – how and where?

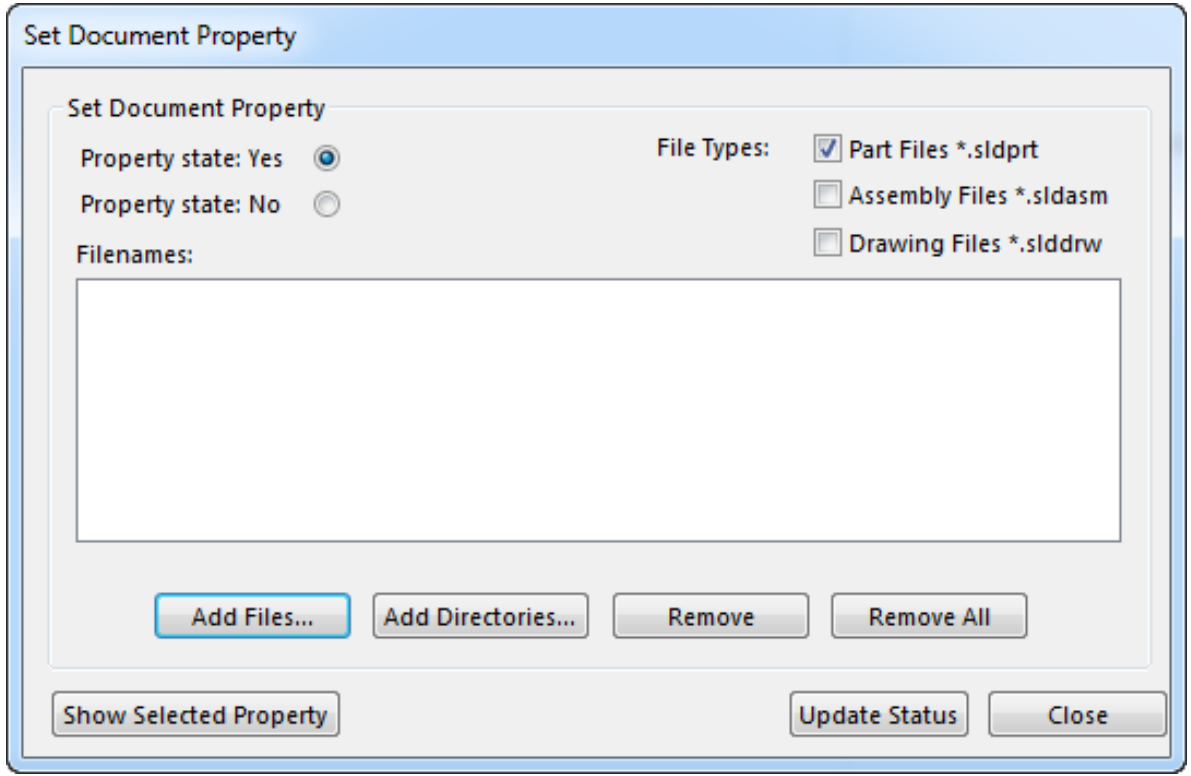
How? By using SOLIDWORKS attribute tool called setdocprop.exe

> This command removes the Toolbox file property from a Toolbox component to allow the file to be saved off as a separate component that Toolbox will no longer recognize as a Toolbox component.

Where? In your standard SOLIDWORKS installation location.

C:\Program Files\SOLIDWORKS Corp.\SOLIDWORKS\Toolbox\Data Utilities

setdocprop.exe



Manual Updating the Toolbox

- Best idea EVER???

BACK UP YOUR TOOLBOX FIRST!!

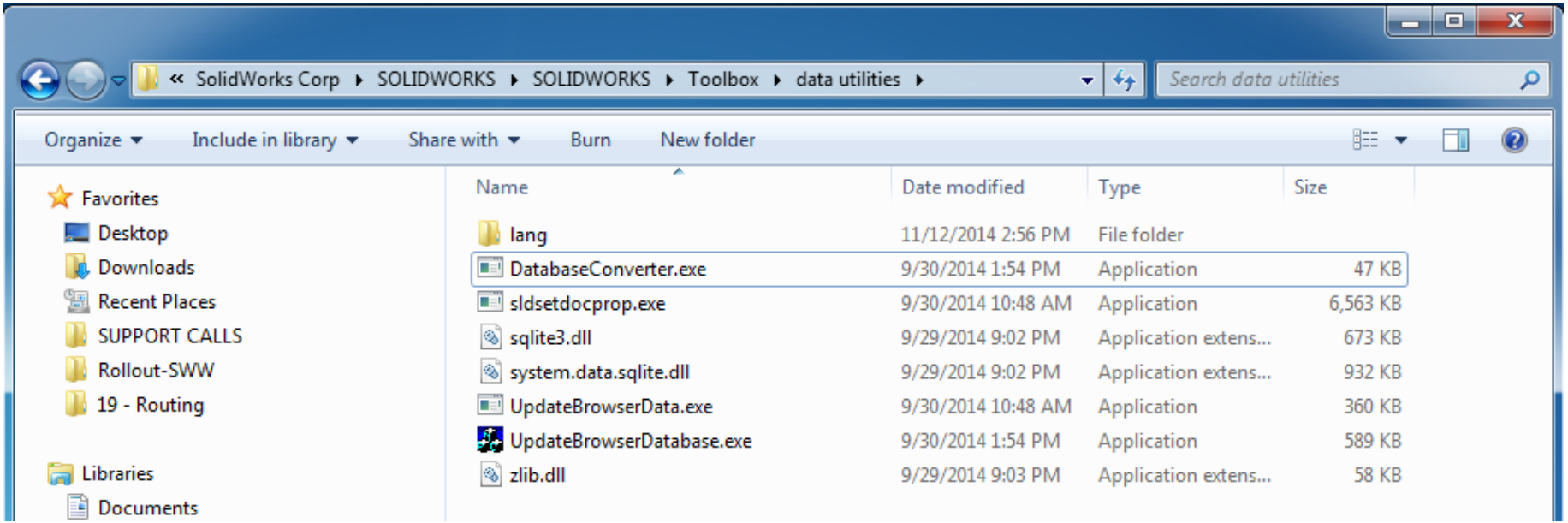
Default location is:

C:\SOLIDWORKS Data

…or C:\SolidWorks Data(2) (3) (4) etc.

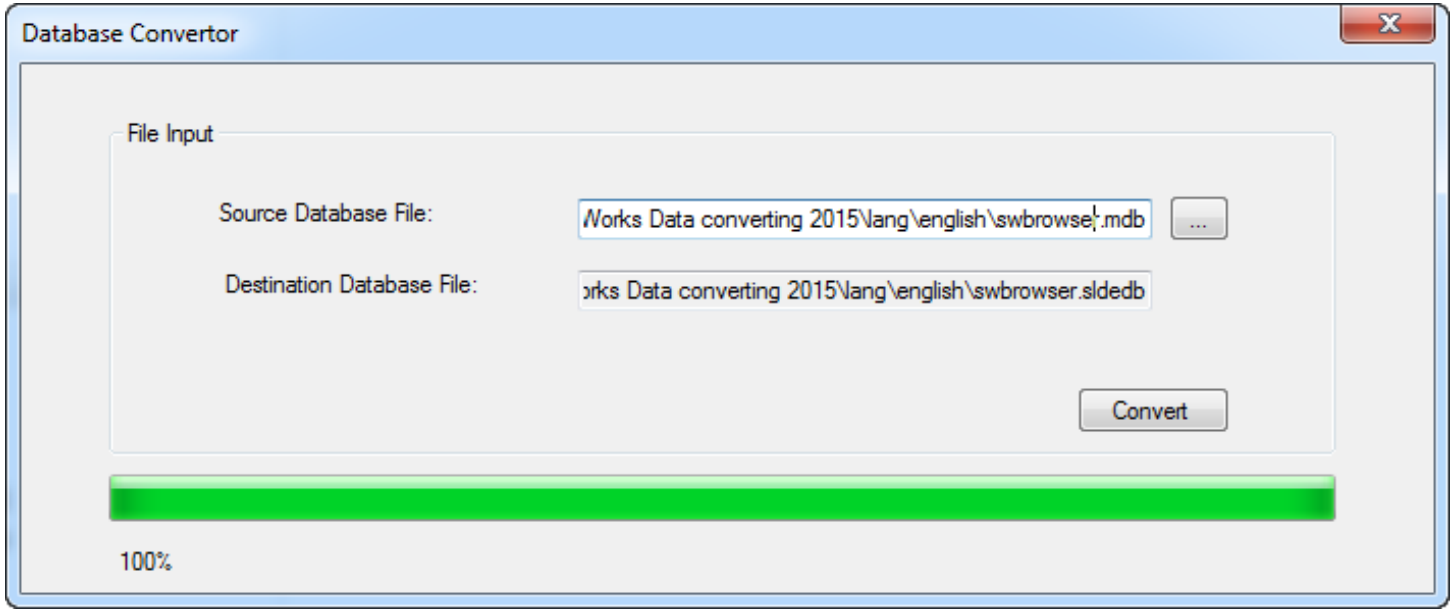
Manual Updating the Toolbox

- Convert 2014 or earlier to 2015



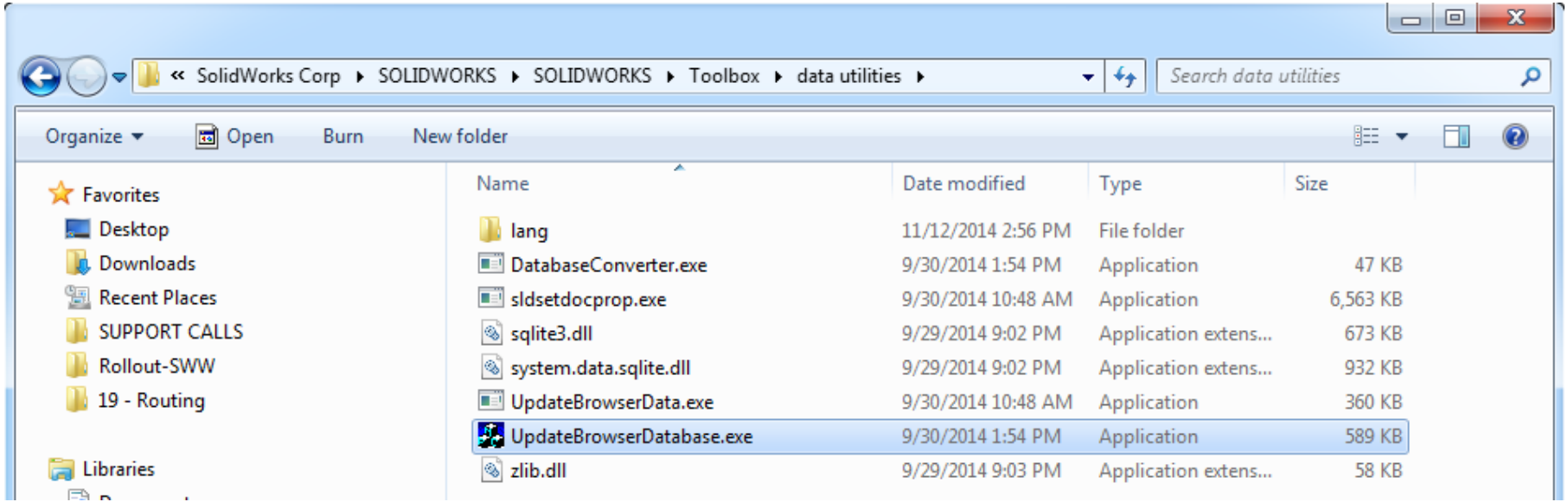
Inside the convertor

- Convert 2014 or earlier to 2015



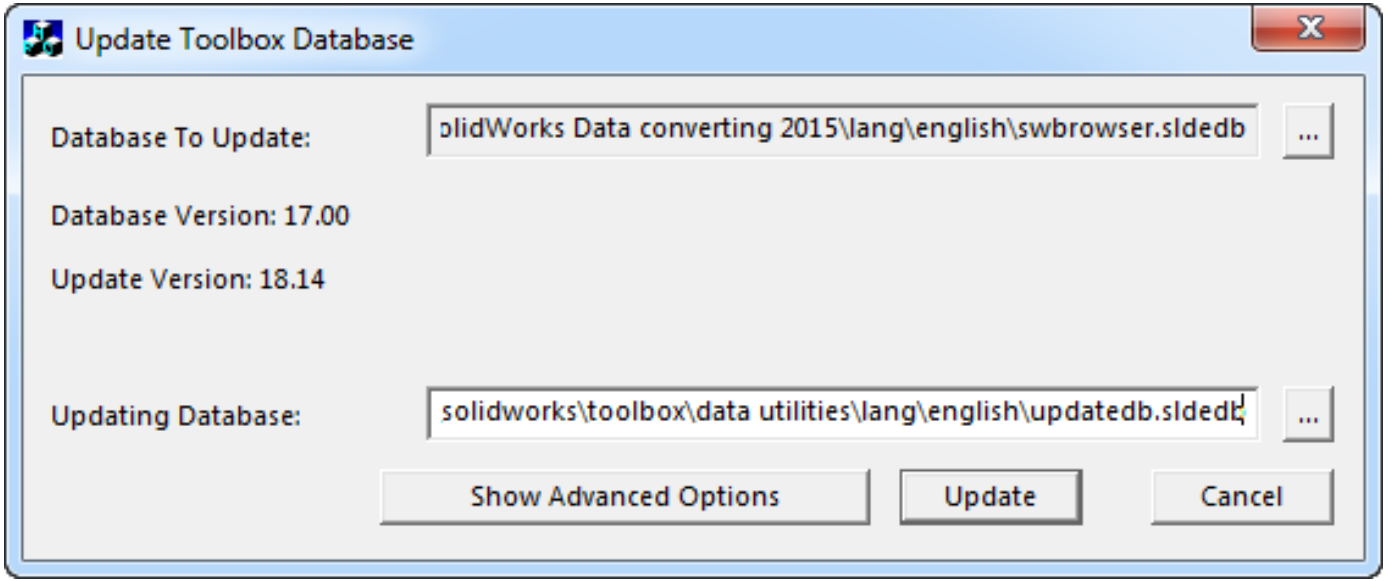
Updating the database

- Update the 2014 or earlier to 2015



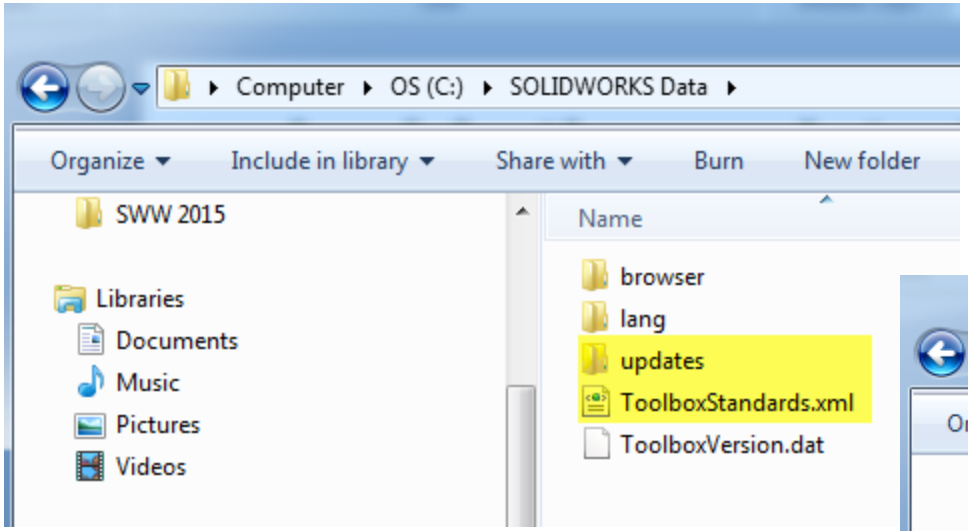
Inside the update tool

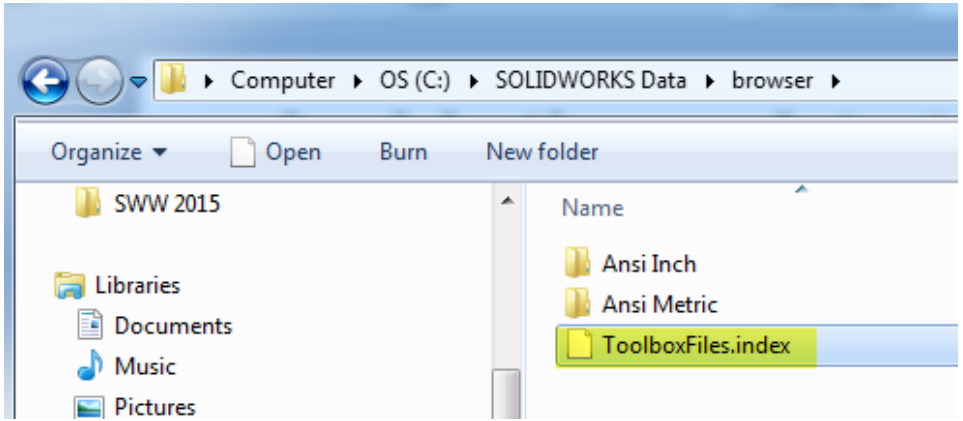
- Update the 2014 or earlier to 2015



Important steps

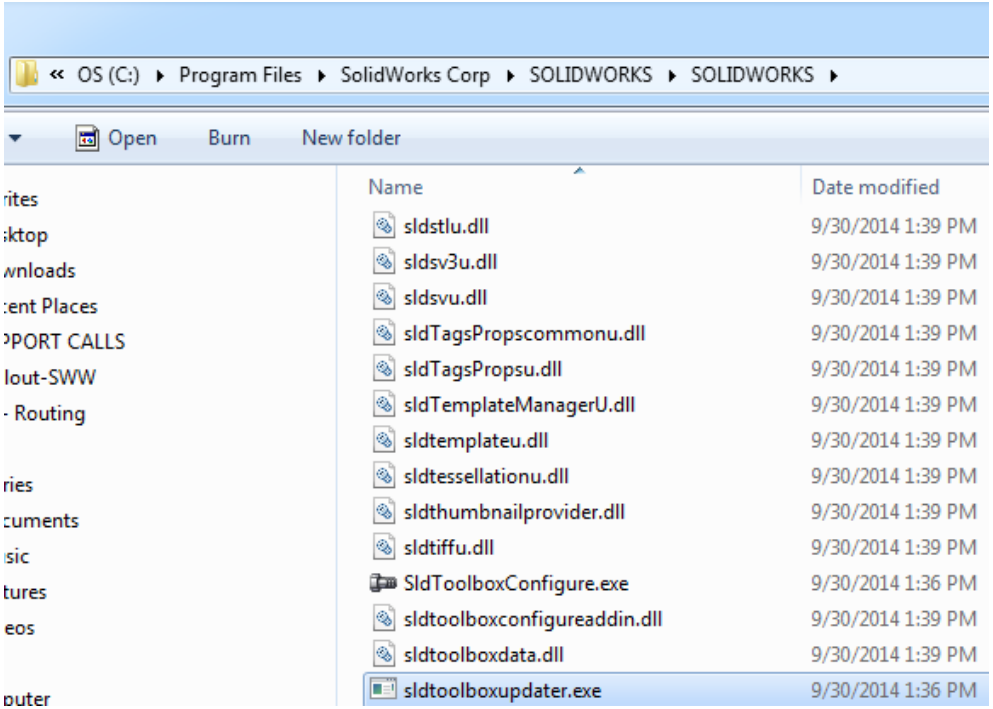
- The next tool may work best if the next few items are renamed.





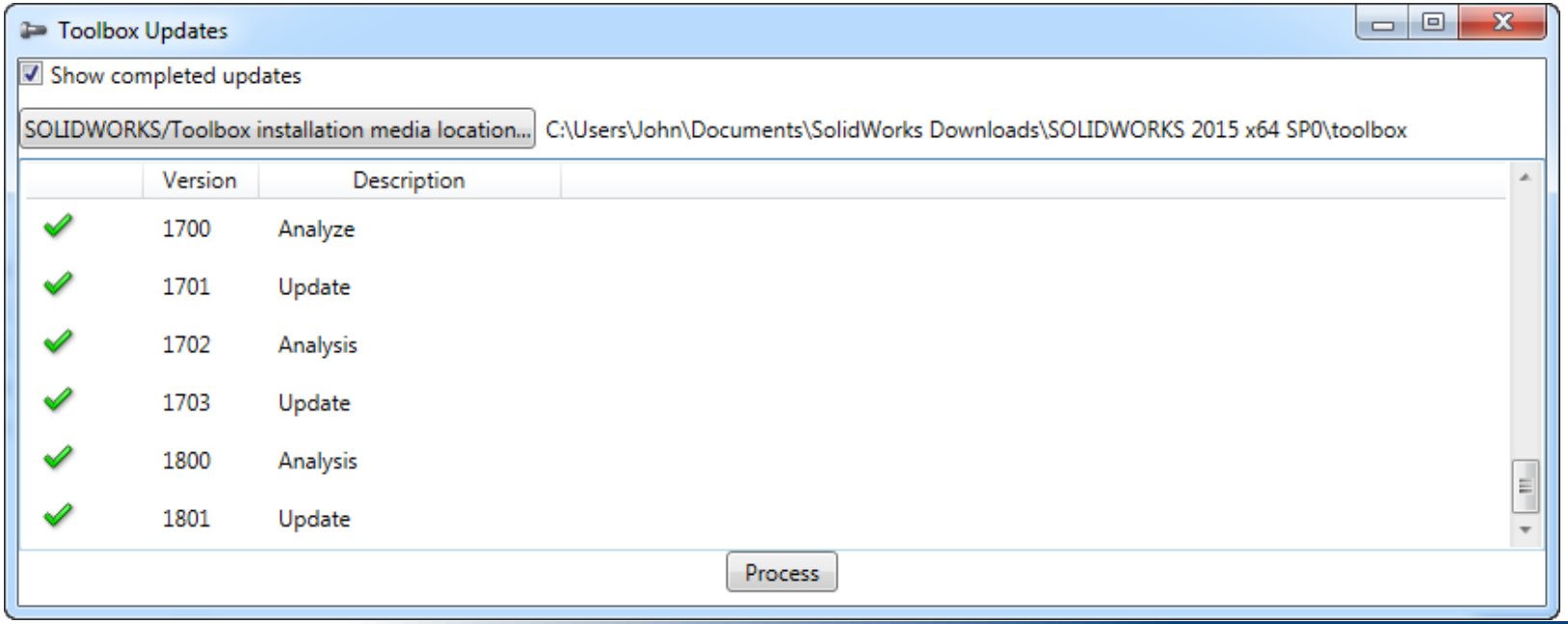
Sldtoolboxupdater.exe

- **Run this tool to update the components.**



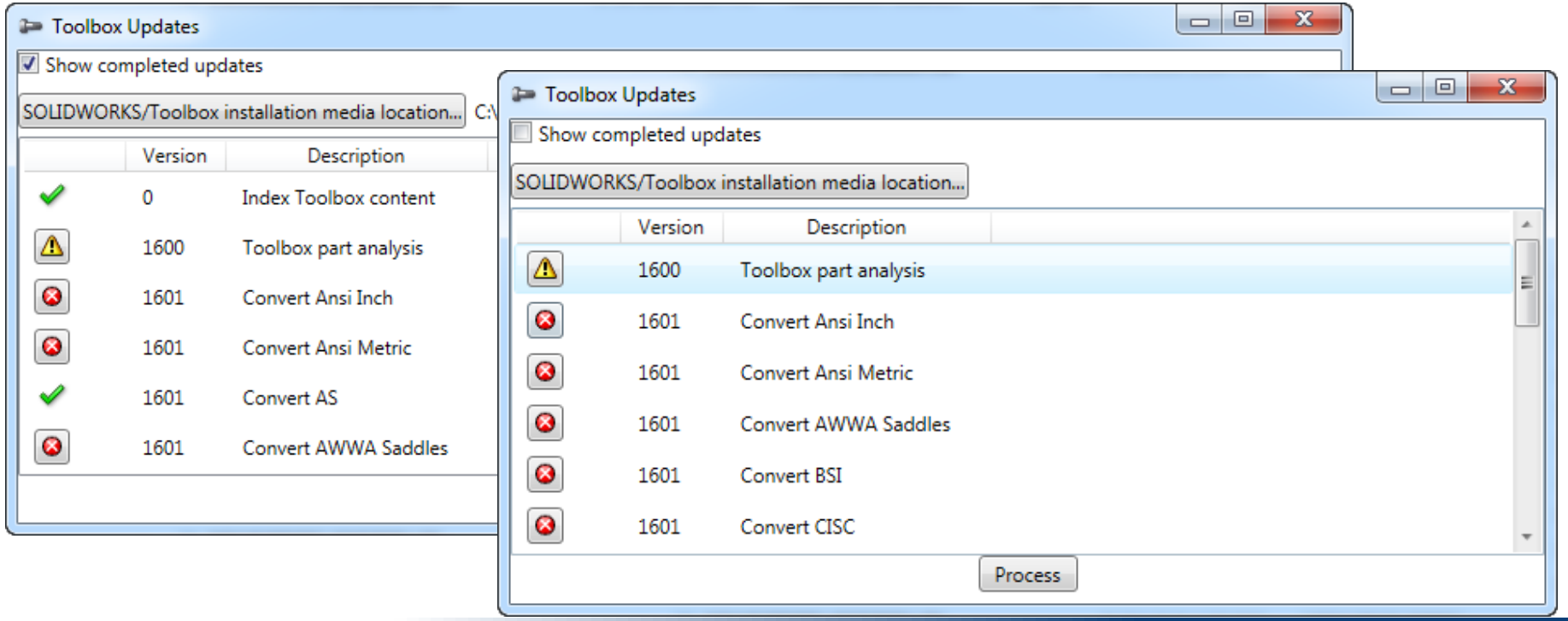
Inside the SIdtoolboxupdater.exe

- Runs on current toolbox location
- Must have download or DVD with toolbox folder in it.



Xs and Uh Ohs!!

- Click the icons to read the warnings



EPDM

A brief note on EPDM and your toolbox…

If you have entered your toolbox into your PDM system a few things must happen.

1. All users should check in all assemblies before upgrading toolbox.
2. All users should close SW to prevent any file in use errors
3. Toolbox will need to be checked out in whole. (great time to make a copy)
4. You will need to force SW to point to the checked out toolbox to manually update it. This is done with the tools options in SW or by modifying the registry (get some VAR help with registry settings)
5. Check it back in when the update is finished.

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Questions?

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CATI and InFlow Presentation Schedule

Monday February, 9th

- **Discovering and Understanding SOLIDWORKS Dismissed Messages** - 1:30pm-2:30pm - Room TBD, Bryan Pawlak and Phil Whitaker
- **SOLIDWORKS Composer: As Easy as Building with Legos** - 1:30pm-2:30pm – Room North-225B, Brian Reel
- **Achieving Extreme SOLIDWORKS Performance: Hardware/Configuration** - 2:45-3:45pm - Room North-121A-C, Adrian Fanjoy and Josh Altergott
- **Configuring SOLIDWORKS Toolbox** - 2:45-3:45pm - Room North-124A/B, John Van Engen
- **Successfully Prepare for Your EPDM File/Data Migration** - 2:45-3:45pm - Room North-120D, Jeff Barker

Tuesday February, 10th

- **SOLIDWORKS Duct Tape & Bailing Wire: Creative Solutions to Everyday Problems**- 1:30-2:30pm - Room North 128A/B, Josh Altergott and Adrian Fanjoy
- **Drawings: Setup of Templates and Sheet Formats**- 1:30-2:30pm - Room North-221, Jim Krivoshein
- **EPDM Web: Implementing and Configuring** - 1:30pm-2:30pm - Room TBD, Justin Webster
- **How to Build and Maintain Effective Design Tables** - 2:45-3:45pm - Room North-226B, Josh Altergott
- **DriveWorksXpress Essentials Hands-On Lab** – 4:30pm-6:00pm - Room North-227C, Ryan Dally

Wednesday February, 11th

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- **Sharing Assemblies—Without Giving It All Away**- 2:45-3:45pm - Room North-221, Jim Krivoshein

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