

## 3skeng - Starting Guide

To use 3skeng tools and libraries for SketchUp on your computer, you may follow the whole guide or just jump to topics of interest by clicking on a title below.

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## 1) Download 3skeng

Go to [www.3skeng.com](http://www.3skeng.com) and browse to the download section.

Download installation file of your choice:

- Ruby file for extension installation in SketchUp (for MAC OS and Windows OS).
- Archive-file with installer for Windows OS (installation requires admin rights for 3skeng user).



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[buy 3skeng »](#)

[tool comparison »](#)

[release notes »](#)

[friends of 3skeng »](#)

[learn »](#)

[info »](#)

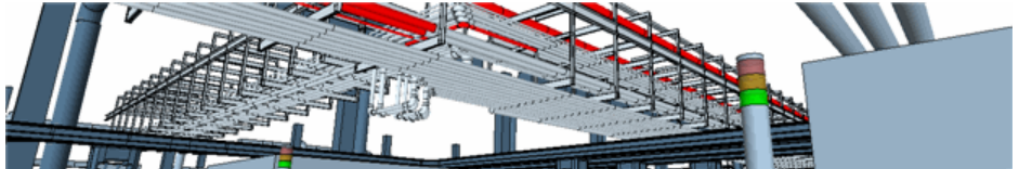
[faq »](#)



## 3skeng download

English ▾

a few steps and your work will become a lot easier...



### Get a copy of your 3skeng tool(s) in just a few steps!

Learn how to download, install, troubleshoot, activate and purchase 3skeng 2016 by following the guide [3skeng - Starting Guide.pdf](#).  
Work with the tool(s) for a **free** trial period of 30 days.  
To continue working **after** the trial period, click to learn how to [buy 3skeng](#) licenses.  
Have fun working with 3skeng tools!

Learn more [3skeng tool](#) **Universal Installer in rbz-format for installation in SketchUp (MAC & Win).** **Archive-file with installer for Windows OS (if available).**

### "3skeng 2017" Installer for Pipe/Mount/Steelwork/Channel

for SketchUp PRO/Make (Home) 2017 Windows PC (32 & 64 bit) and MAC available as archive with installer and as universal installer (ruby-file \*.rbz).



[Click to download](#)

[Click to download](#)

[Click to download](#)

[Learn how to install Ruby Plugins](#)

"3skeng Pipe 2017 Tool" only 349 US-\$ (~ 312 €), upgrades 139 US-\$ (~ 124 €).  
Detail libraries start at 49 US-\$ (~ 44 €).

### Introductory offer:

#### "3skeng Mount 2017 Tool"

**INCLUDING** one year of "Threaded Rods and Pipe Clips" detail library

**INCLUDING** one year of "C-Channel" detail library

for only 349 US-\$ (~ 312 €)!

"3skeng Steelwork 2017 Tool" only 199 US-\$ (~ 178 €), upgrades 79 US-\$ (~ 71 €).

"3skeng Channel 2017 Tool" only 149 US-\$ (~ 133 €), upgrades 59 US-\$ (~ 53 €).

**Downloads of previous Versions**

▶ [Download previous version "3skeng 2016" for SketchUp 2016/2015/2014](#)

▶ [Download previous version "3skeng 2014" for SketchUp 2015/2014](#)

If you need licenses for multiple workstations, please contact [sales@3skeng.com](mailto:sales@3skeng.com).

## 2) Installation of 3skeng

### Installation of 3skeng by installer for Windows OS (if available):

- IMPORTANT:

Login on your computer as the user who will use SketchUp with 3skeng (admin rights required)!

3skeng will not be available for the desired user if you temporarily login with another account with admin rights or execute the file as admin. Only the admin will be able to use 3skeng.

If you have no admin rights, please use the "Installation of 3skeng by Ruby file".

- Unpack the archive and execute the 3skeng setup file.

- Check the boxes for the 3skeng tool(s) you want to install for each of the SketchUp version(s) you have installed on your computer.

### Installation of 3skeng by Ruby file for SketchUp 2016/2015/2014

- IMPORTANT:

Login on your computer as the user who will use SketchUp with 3skeng!

- Select **Window > Preferences** (Windows OS) or **SketchUp > Preferences** (Mac OS).

The Preferences dialog box is displayed.

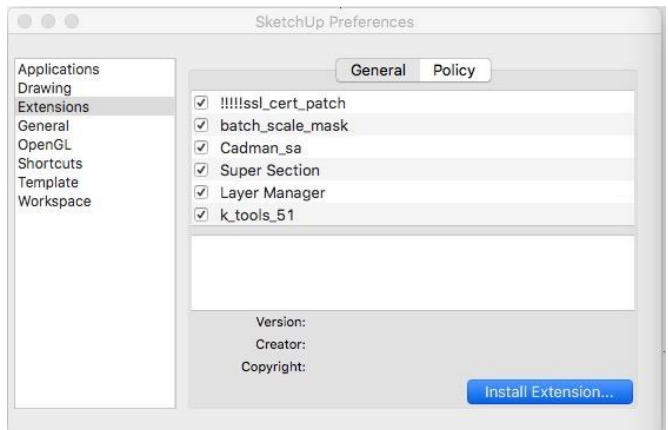
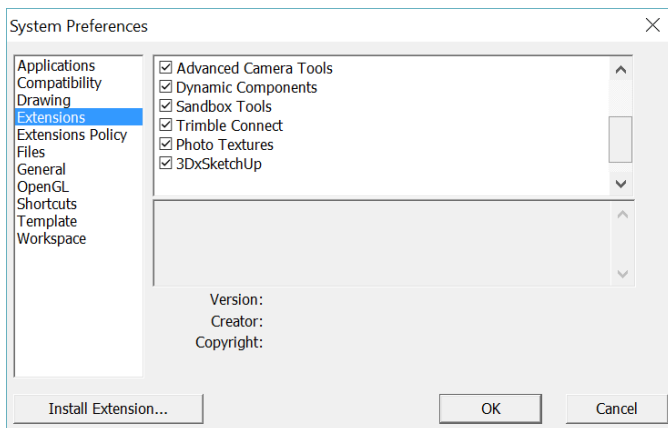
- Click on **Extensions**. The Extensions panel is displayed.

- Click on the **Install Extension** button. The Open dialog box is displayed.

- Locate the Ruby zip file to install (3skeng\_xxxx.rbz).

- Click on the **Open** button.

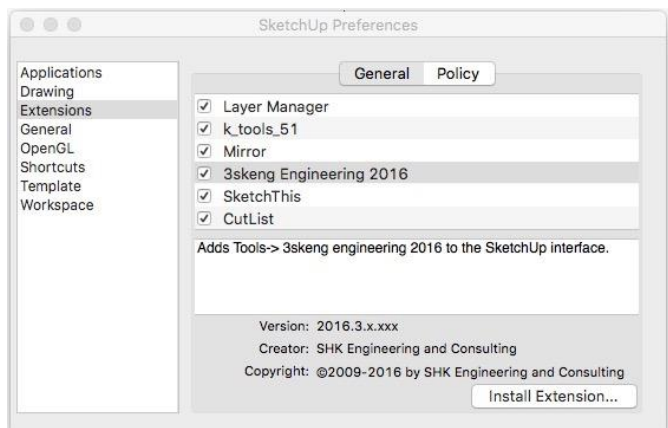
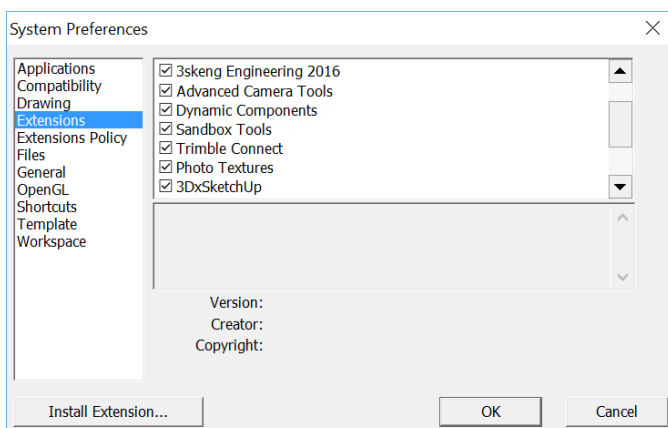
- After the installer completes, quit and restart SketchUp.



- Open the "Preferences" dialogue box again.

- Again, click on "Extensions". "3skeng Engineering 2016" can now be found in the list of extensions.

- Select the extension to activate it.



## Installation of 3skeng by Ruby file for SketchUp 2017

### - IMPORTANT:

Login on your computer as the user who will use SketchUp with 3skeng!

### - Select **Window > Extension Manager**

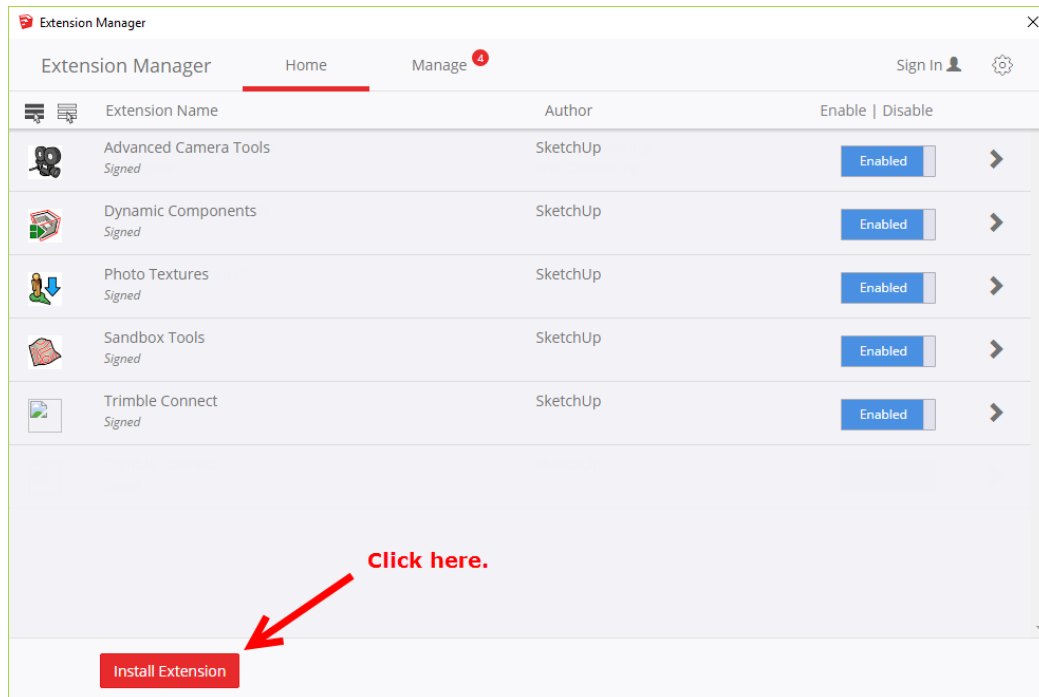
The Extension Manager dialog box is displayed.

### - Click on **Install Extensions** (see screenshot). The Open dialog box is displayed.

### - Locate the Ruby zip file to install (3skeng\_xxxx.rbz).

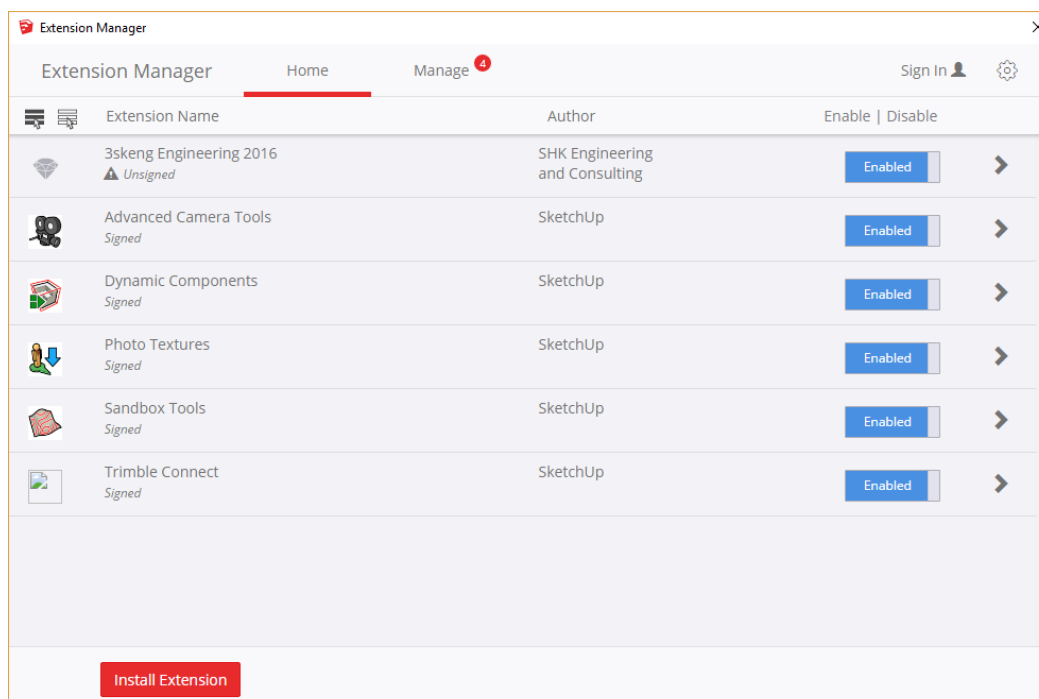
### - Click on the **Open** button.

### - After the installer completes, quit and restart SketchUp.



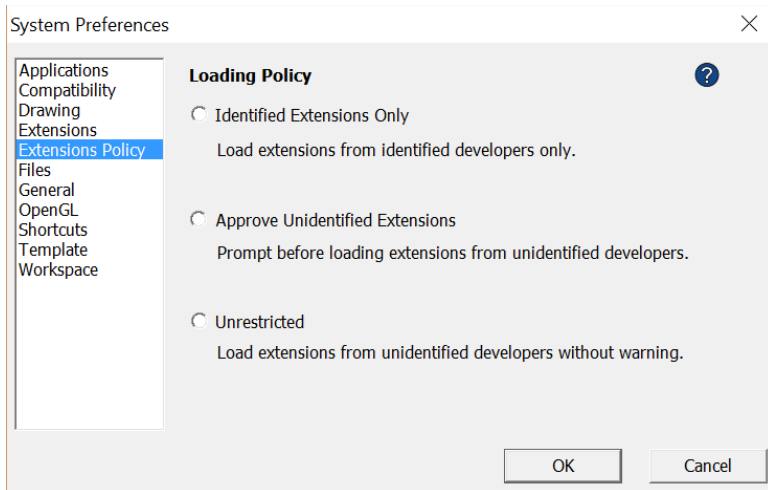
### - Open the "Extension Manager" dialogue box again.

### - Make sure that "3skeng Engineering 2017" can now be found in the list of extensions and the button is set to "Enabled".



### 3) What if the 3skeng toolbar is not available in SketchUp 2016?

- a) Open SketchUp 2016. If the 3skeng activation window opens, proceed with **4)**
- b) Open SketchUp 2016. If you see the 3skeng toolbar, click the 3skeng symbol and proceed with **4)**
- c) If the 3skeng activation window doesn't open and the 3skeng toolbar is not displayed, please check and maybe adjust your extension policy settings.  
To do so, open the "System Preferences" by selecting it in "Window -> Preferences"  
Click on "Extensions Policy" and check your settings.



#### "Identified Extensions Only"

This setting will not allow you to use the 3skeng extension at all.

#### "Approve Unidentified Extensions"

This setting will prompt you to check all installed extensions after each start of SketchUp in order to load the checked extensions.

#### "Unrestricted"

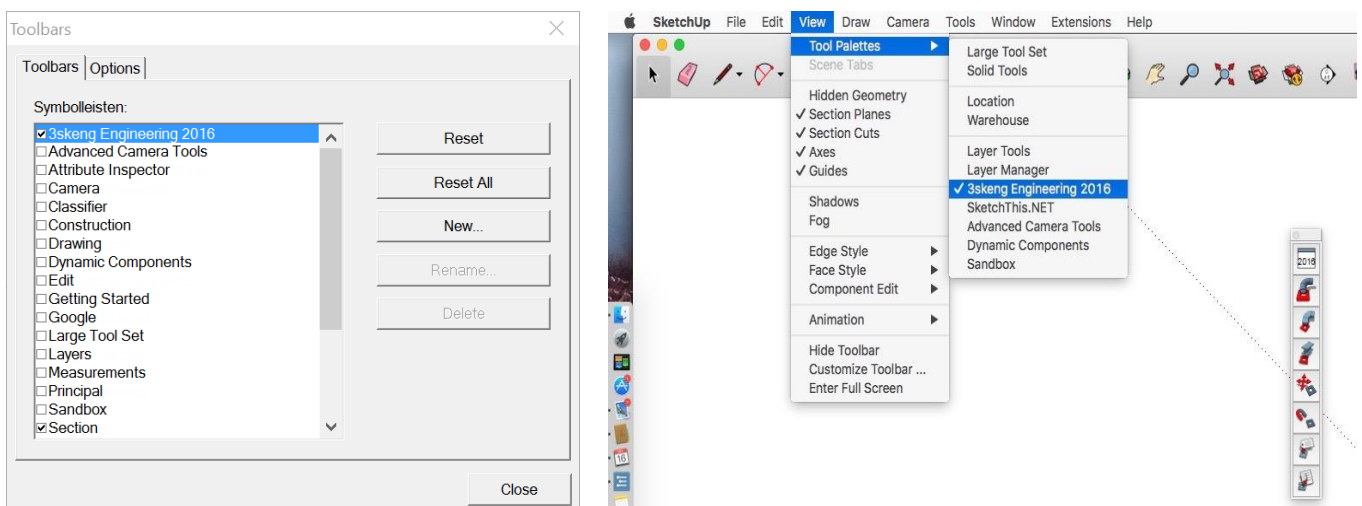
This setting will load all your installed extensions after each start of SketchUp automatically.

Restart SketchUp 2016 in case you decide to change the "Extension policy" settings.

- d) If the toolbar is (still) not available after restart, open the 3skeng toolbar by selecting it in:

MAC OS: "View -> Tool Palettes" (dropdown menu).

Windows OS: "View -> Toolbars..."



#### 4) Request activation key for 3skeng

- a) Open SketchUp and click on the 3skeng symbol in the 3skeng toolbar.
- b) The 3skeng activation window opens.

The image shows two side-by-side screenshots of the '3skeng for SketchUp - activation' window. Both windows have a title bar with the text '3skeng for SketchUp - activation' and a 3skeng logo in the top right corner. The left window is for a new user, with the radio button 'I am a new user' selected. It features a text input field for the email address of the license owner, a 'get activation code' button, and a checkbox for receiving newsletters. Below this, there is a survey section titled 'my 3skeng main usage' with checkboxes for 'Conceptual Design', 'Detail Design', 'Fabrication drawings', 'Installation drawings', and 'Documentation', an 'Other:' field, a 'my country\*' dropdown menu, and a 'my Industry' dropdown menu. The right window is for an existing user, with the radio button 'I am already 3skeng user' selected. It has the same email input field and 'get activation code' button, but lacks the survey section.

- c) Please enter your email-address:

#### **Current/Registered users:**

Enter the same e-mail that you used previously for 3skeng activations & purchases (already user).  
*In case you forgot: The address can be found by opening a previous version of SketchUp where an earlier version of 3skeng was installed. Click on the 3skeng symbol in the 3skeng tool palette. The email address that was used to previously register 3skeng will be displayed.*

#### **New users:**

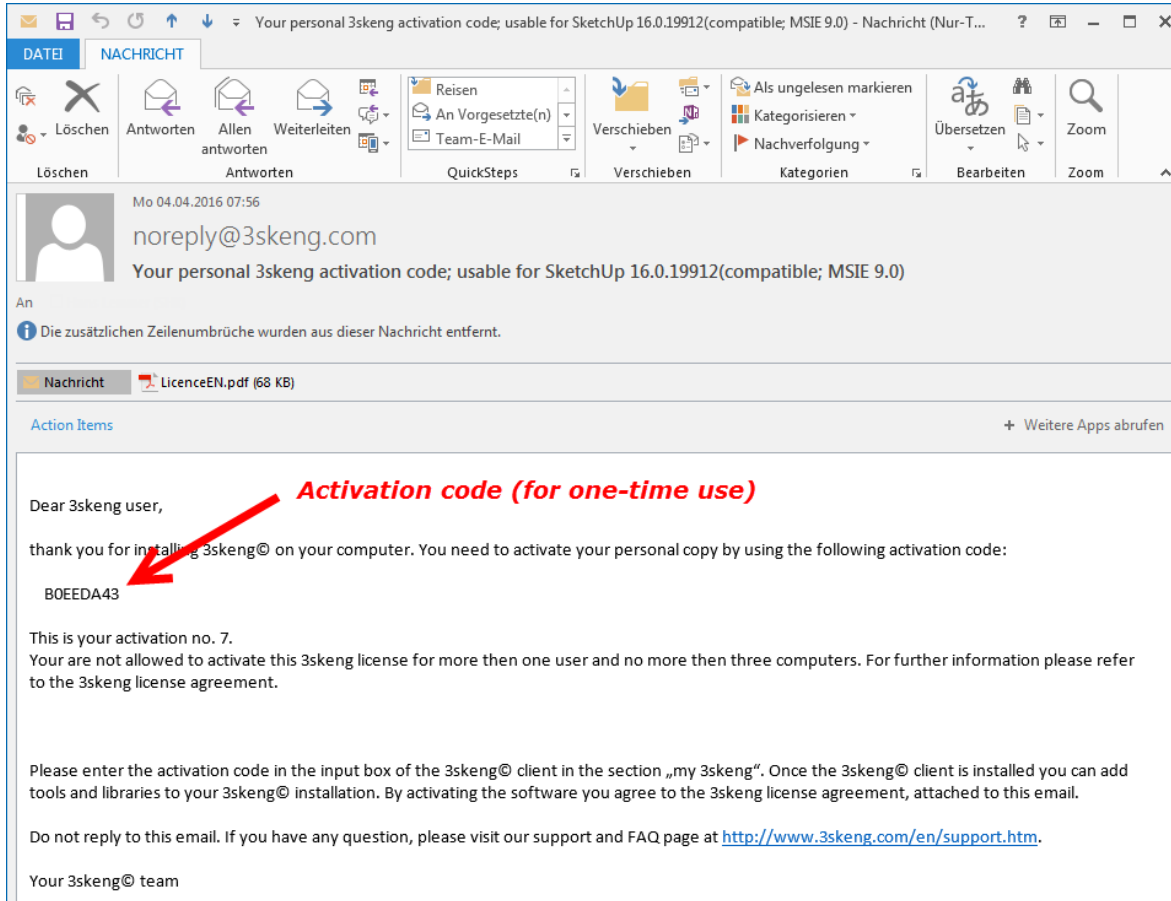
Enter an e-mail you need access to and want to use as the future user (new user).

- d) Select if you are already a 3skeng user or a new user.
- e) Fill out the short survey on the right with your main usage for 3skeng, your country (required) and your industry.
- f) Click on "get activation code".
- g) Do not close the activation window.

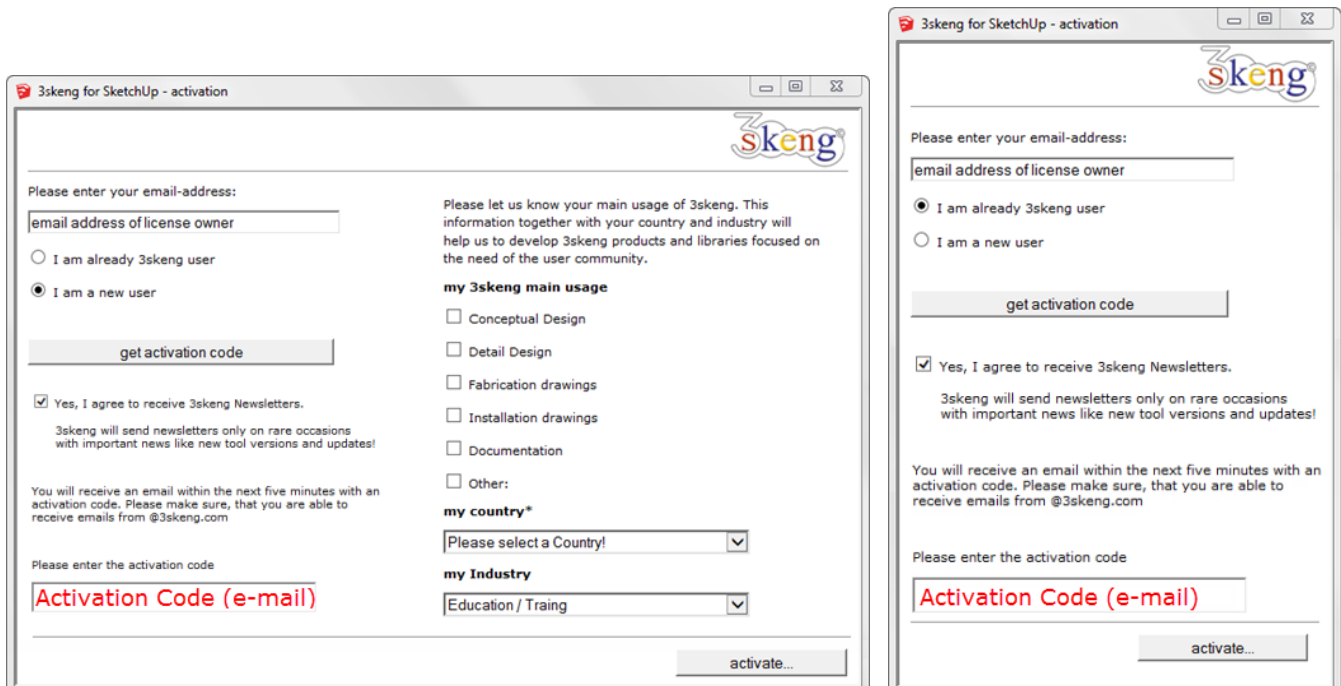


## 5) Activation of 3skeng

An activation key (one-time use) will be sent to the specified email address.



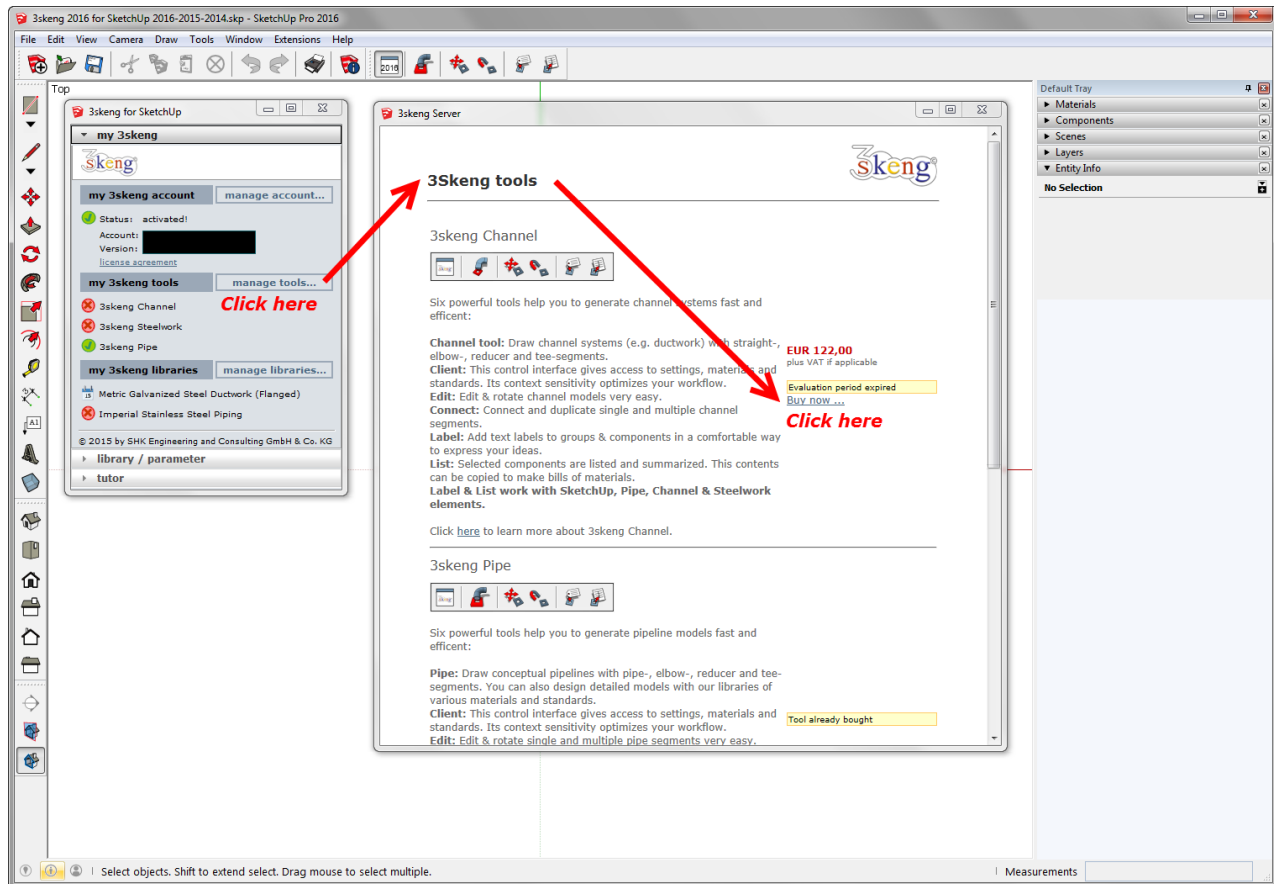
If you do not get an email, make sure the email address is correct and check your junk email folder!



- Enter the activation code from the email in the appropriate field.
- Click on "activate...".
- Allow 3skeng to download required files. Please have a little patience for this process...
- Restart SketchUp when prompted.
- Allow 3skeng to generate your local database after the restart of SketchUp.

## 6) Add tools (Demo or purchase)

Go to "manage tools" in the 3skeng client window tab "my 3skeng" (see screenshot) to add demo versions and/or purchase tools.

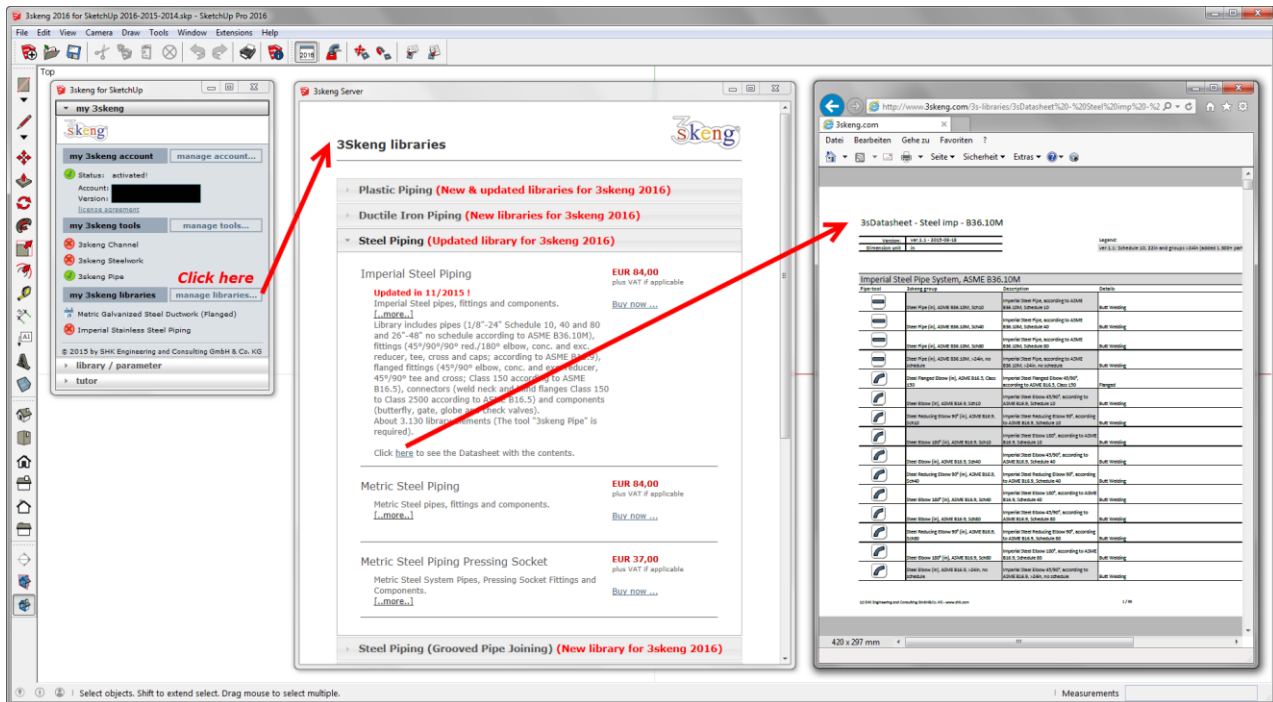


Learn more about the 3skeng license terms for tools and libraries here:  
<http://www.3skeng.com/3s-products/License3skengEn.htm>

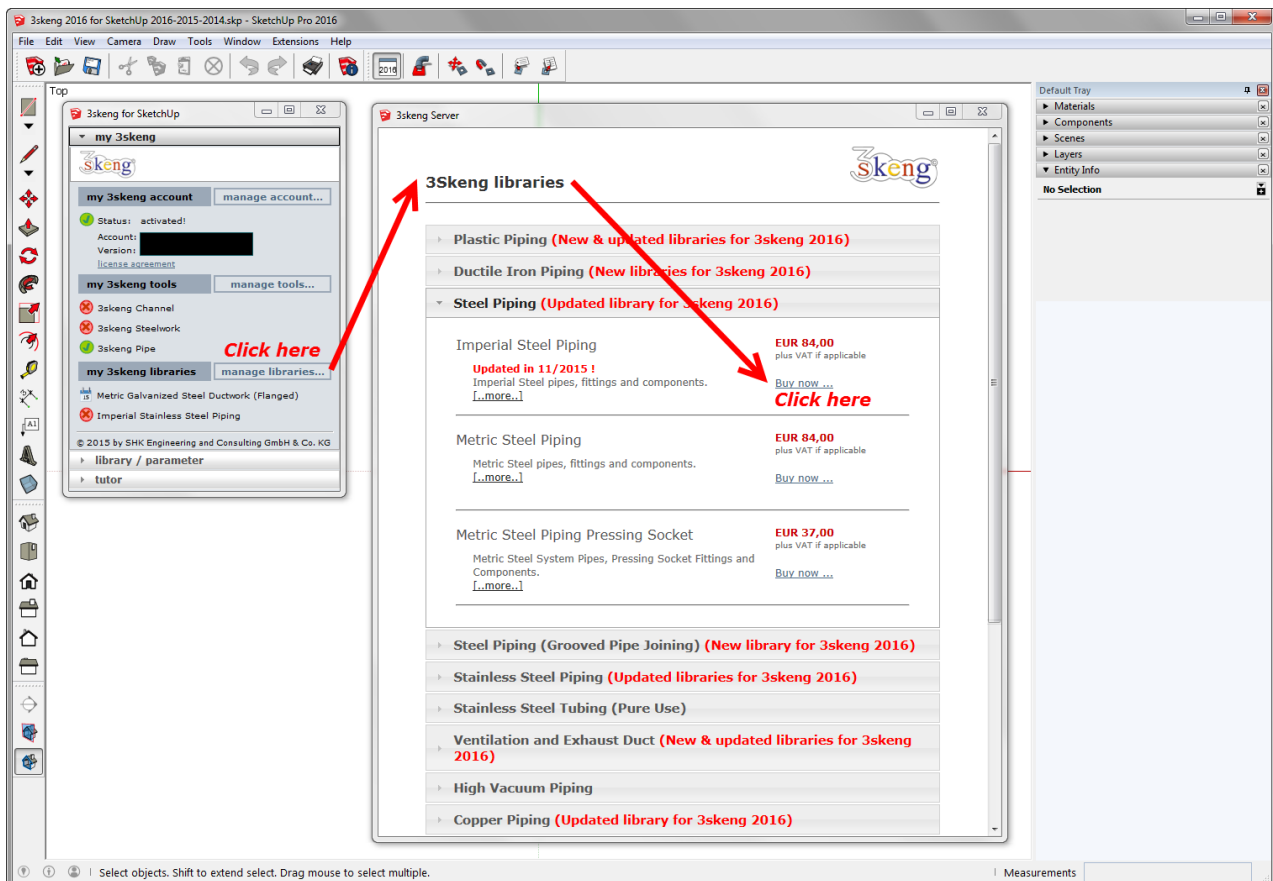


## 7) Add detail libraries (Purchase)

To access the available libraries open the 3skeng client tab "my 3skeng" click on "manage libraries", browse to libraries of your interest and click on "here" to learn more about the libraries content in pdf-files.



To add a library, open the 3skeng client tab "my 3skeng" click on "manage libraries" and click on "Buy now" to purchase a detail library.



## 8) Missing library parts / equipment / facilities / components

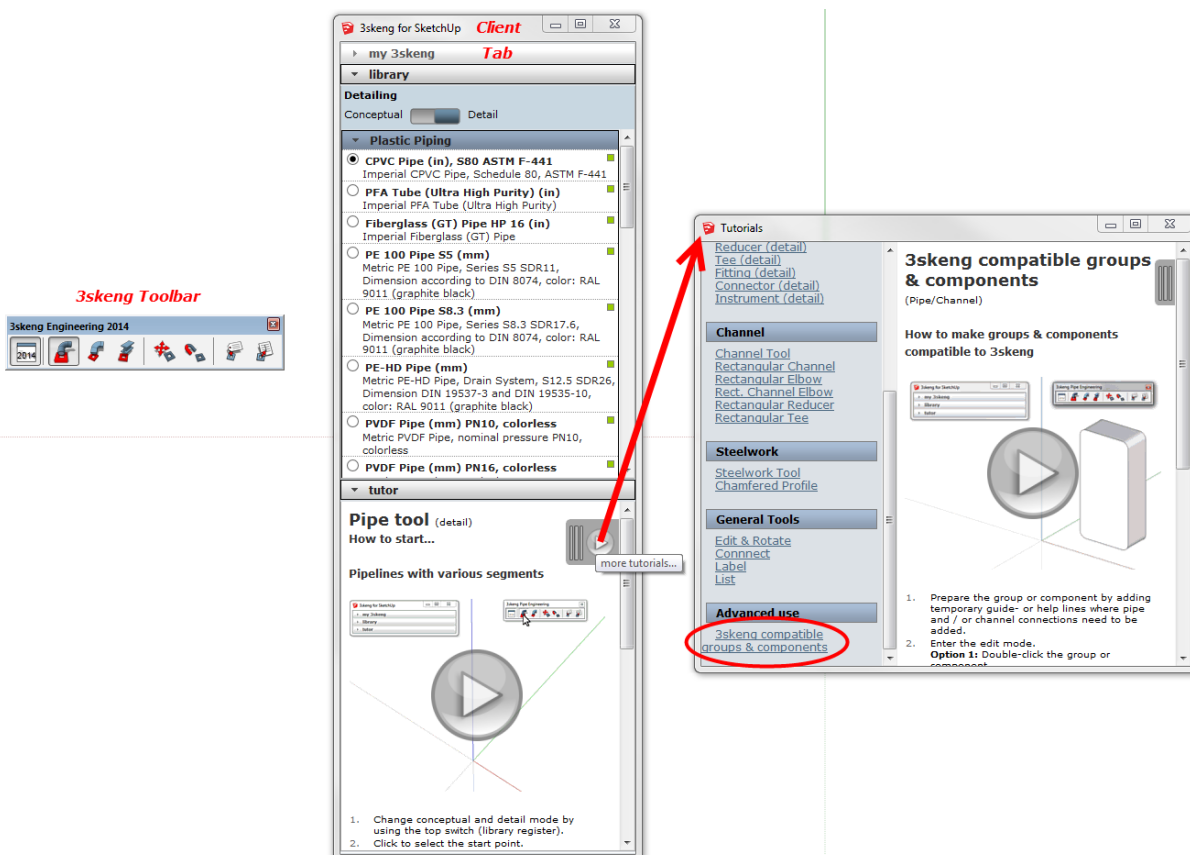
The available libraries includes selected standard parts for piping, tubing and ductwork. There are many manufacturers for many different applications (e.g. pumps, fans, air handling units, valves, dampers, etc.) available on the market. So we are well aware that we cannot fulfill our users' expectations concerning library content (e.g. missing valve types and sizes) and nature of available libraries (e.g. no air handling unit library available).

So we decided to provide a solution / workflow to make your own parts, equipment, facilities and components (e.g. drawn by yourself, 3D warehouse, etc.) compatible to 3skeng functions. We recommend that you set up your own customized SketchUp library file(s) that includes all the "missing" elements you need in your daily workflow.

The parts, equipment, facilities and components you create won't become a part of a 3skeng library directly but 3skeng recognizes integrated reference points and will select the appropriate pipe or connectors (e.g. Flange, VCR-f, etc.) for line attachment and can also work with the functions edit/rotate and connect (e.g. facility / utility connections of an air handling unit).

You just have to consider that the right-click function "select line/all connected" doesn't select these 3skeng-compatible parts as part of the line (if you don't right-click after selecting on all them). This is because this "3skeng compatible component" function can also be used for machines with connections of different utilities and we don't want to select all lines with different pipe materials and different utilities.

The fastest way to make parts/components compatible to the 3skeng tools is simply to add appropriate 3skeng components (e.g. flange) or pieces of pipe in those components. Learn more in the tutorial "3skeng compatible groups & components" by clicking on the grey arrow in the tutor tab of the client window.



## 9) How to learn to use 3skeng

3skeng was designed to follow the easy and intuitive use of SketchUp and at the same time provide powerful and useful functionality.

To bring you up to speed with what you can do with 3skeng tools, we provide learning files in SketchUp format.

The files guide you through the available functions of the tools scene by scene. You are asked to use specific values and angles to allow you to compare your result with the specified result at the end.

Pdf-files that contain the scene descriptions in case you have trouble to read the texts on your screen are also available for download.

We recommend to use the given file order and just skip tools (files) you are not interested in. The file (6) Edit & Rotate / Connect covers the functions for all other tools.

Click the following links to download the individual files or an archive that contains them all:

[Learn to use \(1\) 3skeng Pipe conceptual](#) (skp)

[Learn to use \(1\) 3skeng Pipe conceptual](#) (pdf)

[Learn to use \(2\) 3skeng Pipe detail](#) (skp)

[Learn to use \(2\) 3skeng Pipe detail](#) (pdf)

[Learn to use \(3\) 3skeng Channel](#) (skp)

[Learn to use \(3\) 3skeng Channel](#) (pdf)

[Learn to use \(4\) 3skeng Steelwork](#) (skp)

[Learn to use \(4\) 3skeng Steelwork](#) (pdf)

[Learn to use \(5\) 3skeng Mount](#) (skp)

[Learn to use \(5\) 3skeng Mount](#) (pdf)

[Learn to use \(6\) 3skeng Edit & Rotate / Connect](#) (skp)

[Learn to use \(6\) 3skeng Edit & Rotate / Connect](#) (pdf)

[Learn to use 3skeng \(1\)-\(6\).zip](#) (skp & pdf)

## 10) How to buy

There are multiple ways to get your 3skeng license:

### Use the integrated shop of the 3skeng software

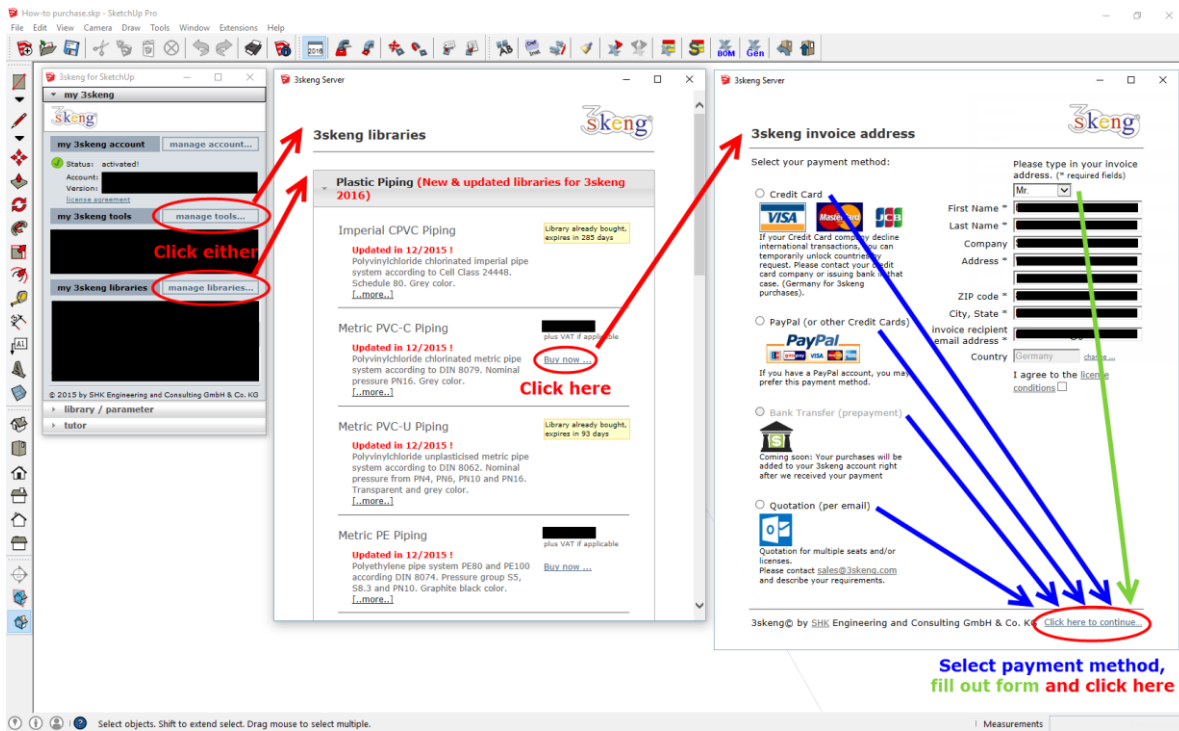
You can buy in the integrated shop after installation and activation (please see picture below). We accept the payments methods PayPal, Credit Card (AMEX, JCB, MasterCard and VISA) and prepayment by bank transfer.

Your purchased license is directly added to your account after successful payment and you receive an invoice of the purchase (You will not receive a transaction key). The license can be used after synchronization of 3skeng and restart of SketchUp.

**Good-to-know:** We work with approved third party payment solution providers. During the purchase process, you are rerouted to the provider's encrypted SSL-page resulting in 3skeng/SHK having no contact with your payment data (e.g. credit card data) at any time whatsoever.

### What can I do in case of Credit Card transaction errors?

The most common reason is that your Credit Card company declines international transactions by default. In such a case, please contact your credit card company or issuing bank to (temporarily) unlock Germany for your 3skeng purchase(s).



### Buy 3skeng by invoice

In case you need multiple licenses for your seat and / or seats with multiple licenses for multiple users, we can prepare a custom quotation for you and send an invoice after you decide to buy (Payable by PayPal, Credit Card (AMEX, JCB, MasterCard and VISA) and bank transfer.)

Your purchased license(s) will be delivered by license card with transaction key.

Please contact [sales@3skeng.com](mailto:sales@3skeng.com) with your requirements or information request and we will take care of you.

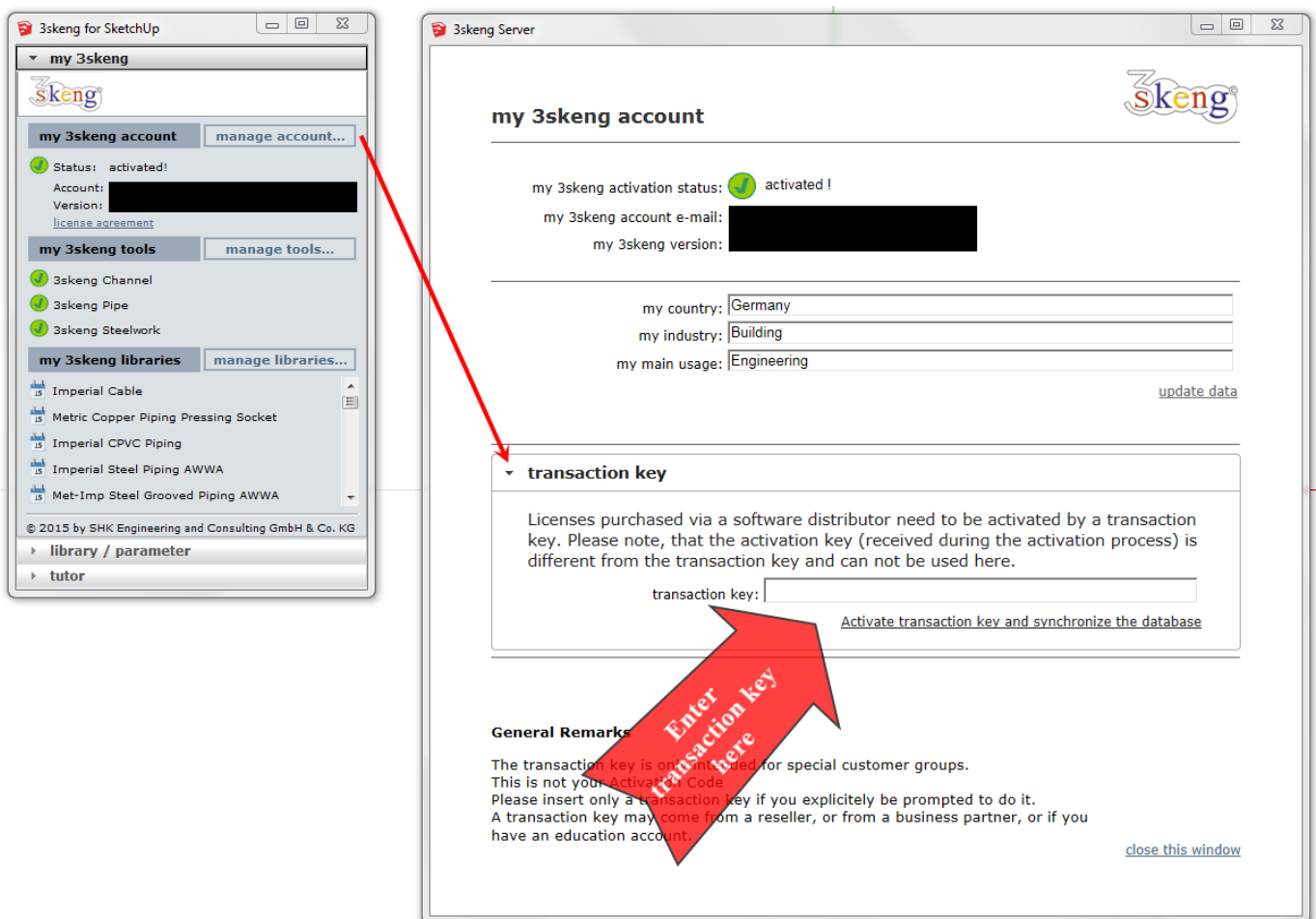
### Buy 3skeng through resellers

Browse to our website [www.3skeng.com](http://www.3skeng.com) and go to "download -> buy 3skeng" where we provide a map with our resellers. Your purchased license(s) will be delivered by license card with transaction key.

## 11) How to use a license card with transaction key

Purchases through 3skeng by invoice and resellers are handed over by license card with a personal transaction key (for one time use only).

- Go to "manage account" in the 3skeng client window tab "my 3skeng".
- Type in your transaction key from the provided license card.
- Click on button "Activate transaction key and synchronize the database".
- Your purchased 3skeng license(s) are added to your account (registered e-mail address) in the process.
- The transaction key is for one time use only and turns invalid after its activation in step d).



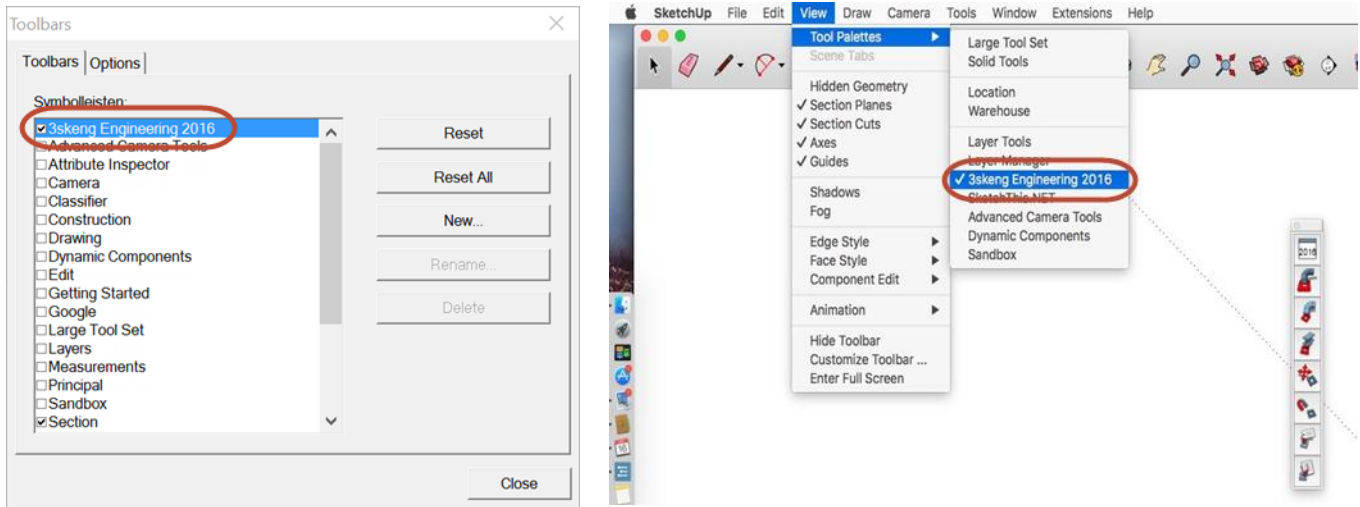
## 12) How to deactivate and / or uninstall 3skeng

### Deactivate 3skeng

To deactivate 3skeng, untag it in:

MAC OS: "View -> Tool Palettes" (dropdown menu).

Windows OS: "View -> Toolbars..."



### Uninstall 3skeng which was installed with Windows PC and / or MAC installer

Please use the standard procedure to uninstall apps / programs for your operating system.

### Uninstall 3skeng which was installed with the Universal Installer (by \*.rbz-file)

Please deactivate 3skeng (see above), close SketchUp and manually delete the following:

#### Delete "3skeng 2017" database folder:

C:\Users\%username%\AppData\Roaming\3skeng\_V2017\Sketchup 2017

#### Delete "3skeng 2016" database folder:

C:\Users\%username%\AppData\Roaming\3skeng\_V2016\Sketchup 2016

C:\Users\%username%\AppData\Roaming\3skeng\_V2016\Sketchup 2015

C:\Users\%username%\AppData\Roaming\3skeng\_V2016\Sketchup 2014

#### Delete "3skeng 2014" database folder:

C:\Users\%username%\AppData\Roaming\3skeng\_V2014\Sketchup 2015

C:\Users\%username%\AppData\Roaming\3skeng\_V2014\Sketchup 2014

#### Delete 3skeng Plugin program folder:

C:\Users\%username%\AppData\Roaming\SketchUp\SketchUp 2017\SketchUp\Plugins

Delete folder "\\shk\_3skeng\" and file "shk\_3skeng\_extension.rb"

C:\Users\%username%\AppData\Roaming\SketchUp\SketchUp 2016\SketchUp\Plugins

Delete folder "\\shk\_3skeng\" and file "shk\_3skeng\_extension.rb"

C:\Users\%username%\AppData\Roaming\SketchUp\SketchUp 2015\SketchUp\Plugins

Delete folder "\\shk\_3skeng\" and file "shk\_3skeng\_extension.rb"

C:\Users\%username%\AppData\Roaming\SketchUp\SketchUp 2014\SketchUp\Plugins

Delete folder "\\shk\_3skeng\" and file "shk\_3skeng\_extension.rb"