

## 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 Ruby file for the installation of the 3skeng extension in SketchUp for both MAC OS and Windows OS.



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[tool comparison](#) »

[release notes](#) »

[friends of 3skeng](#) »

[learn](#) »

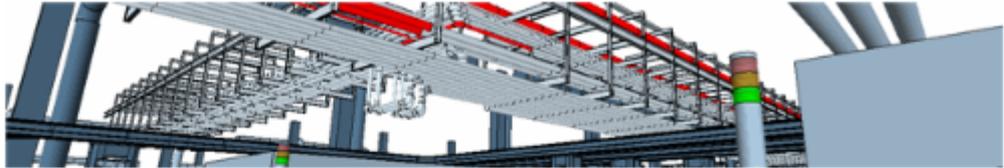
[info](#) »

[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 purchase 3skeng by following the guide [3skeng - Starting Guide.pdf](#).

Work with the tool(s) for a **free** trial period of 14 days.

You want to use the tool(s) **after** the free trial period? Click [here](#) to learn more about the license model, prices and how you can buy 3skeng tool(s) and libraries.

Have fun working with 3skeng tools!

Learn more about the latest and recent 3skeng for SketchUp versions:

[3skeng tool comparison](#)

[3skeng release notes](#)

**Universaler Installer in  
rbz-Format for Installation  
in SketchUp (MAC & Win)**

**IMPORTANT:**

3skeng tools and libraries are available as flexible annual licenses (Single payment, no subscription)!

Discover the  
**3skeng**  
Webshop!

"3skeng 2025" Installer for List/Pipe/Mount/Steelwork/Channel for SketchUp 2025/2024/2023 Windows PC (32 & 64 bit) and MAC (also ARM M1) available as universal installer (ruby-file \*.rbz).  
Latest version: 2025.3.063.002



"3skeng List 2025 Tool" can be used one year for only 85 US-\$.

"3skeng Pipe 2025 Tool" can be used one year for only 299 US-\$.  
Detail libraries can be used for one year and start at 75 US-\$.

"3skeng Mount 2025 Tool" can be used one year for only 235 US-\$.  
**INCLUDING** "Threaded Rods and Pipe Clips" detail library  
**INCLUDING** "C-Channel" detail library

"3skeng Steelwork 2025 Tool" can be used one year for only 235 US-\$.  
Detail libraries can be used for one year and start at 75 US-\$.

"3skeng Channel 2025 Tool" can be used one year for only 139 US-\$.  
Detail libraries can be used for one year and start at 75 US-\$.

**Downloads  
of previous  
versions**

Download previous version "3skeng 2024"  
for SketchUp 2024/2023/2022/2021/2020

Download previous version "3skeng 2023"  
for SketchUp 2023/2022/2021/2020

## 2) Installation of 3skeng

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

- IMPORTANT:

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

- Select **Extensions > Extension Manager (as of SketchUp 2021)**

Select **Window > Extension Manager (up to SketchUp 2020)**

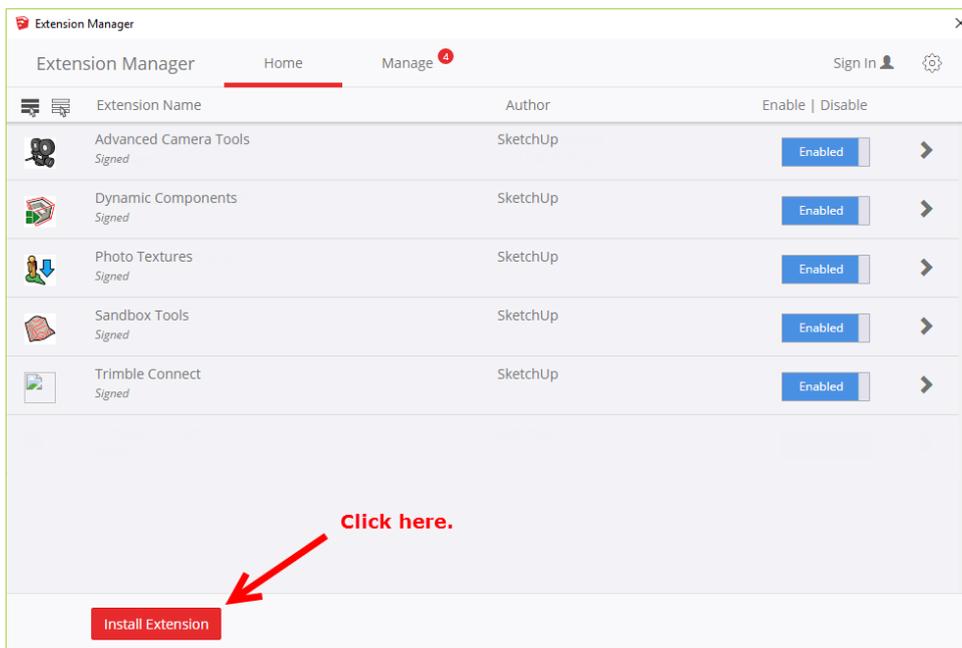
The Extension Manager dialog box is displayed.

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

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

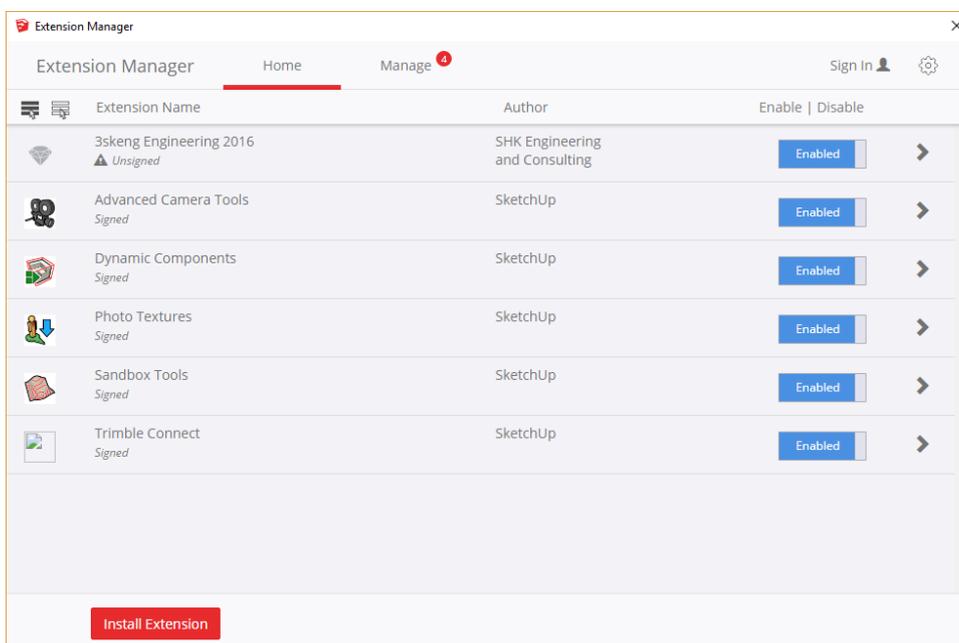
- Click on the **Open** button.

- After the installer completes, quit and restart SketchUp.



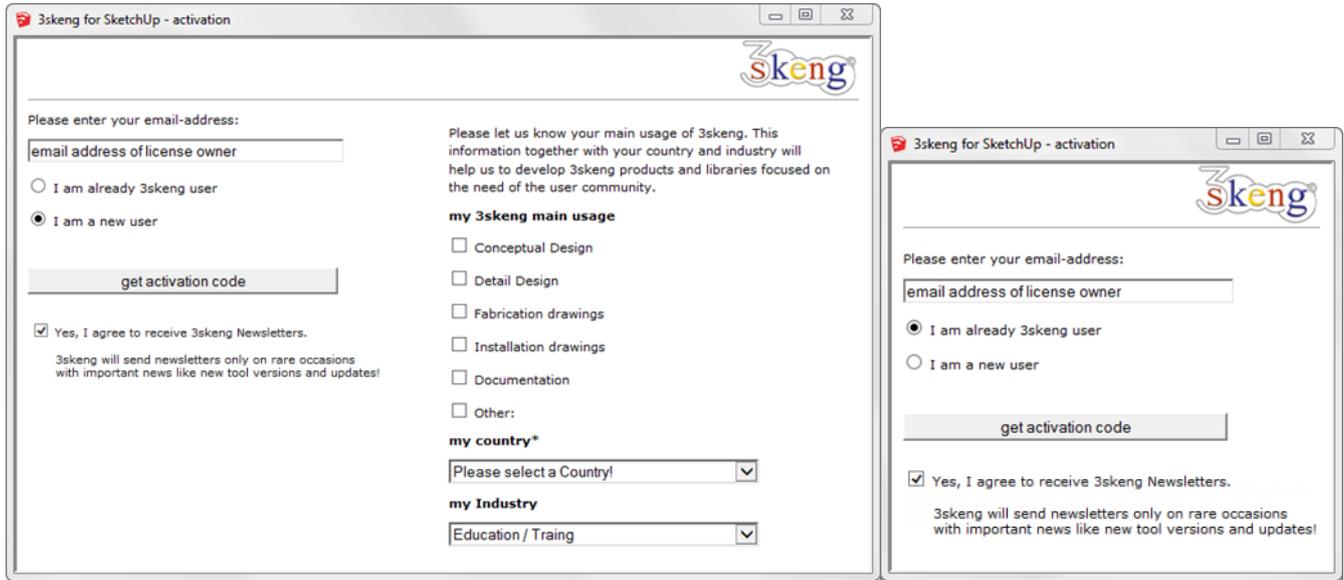
- Open the "Extension Manager" dialogue box again.

- Make sure that "3skeng Engineering 20xx" can now be found in the list of extensions and the button is set to "Enabled".



### 3) Request activation key for 3skeng

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



- 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.*

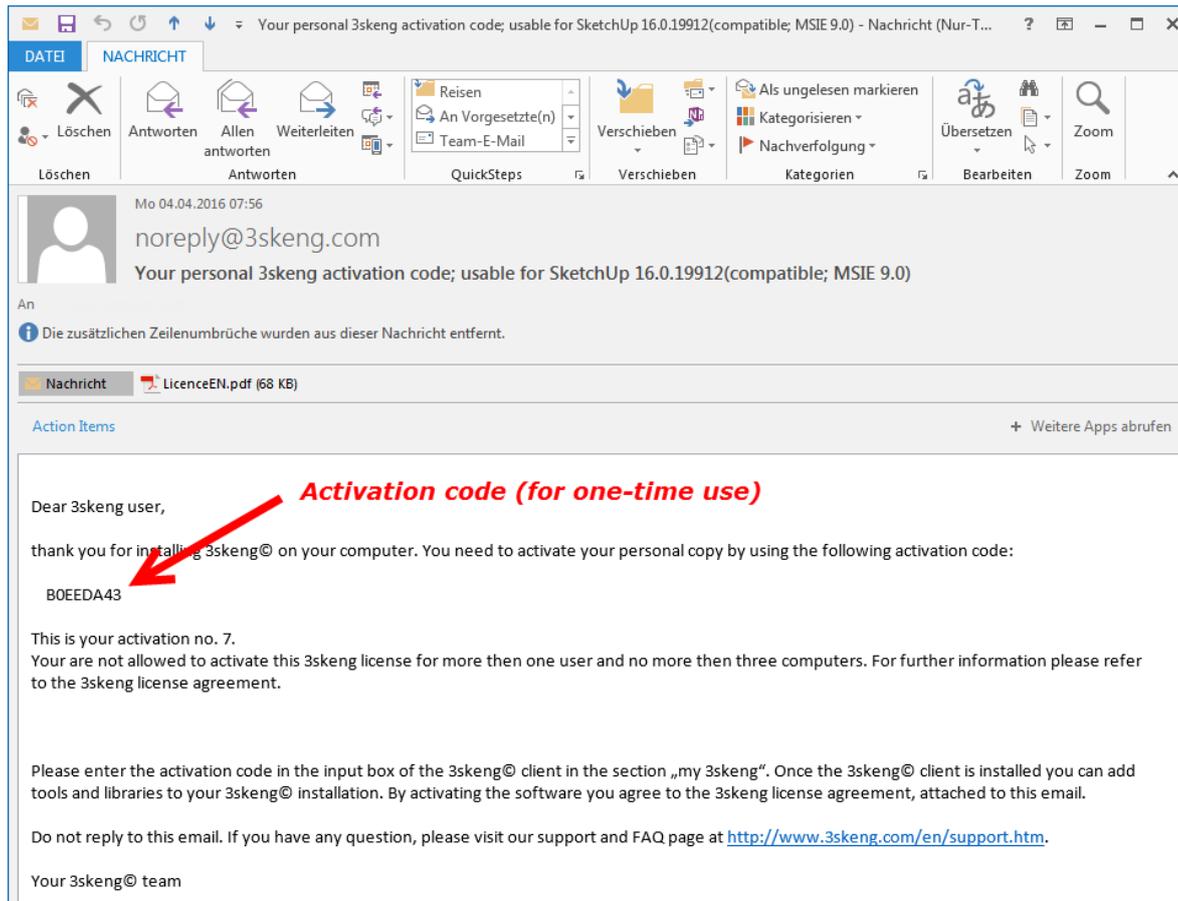
#### **New users:**

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

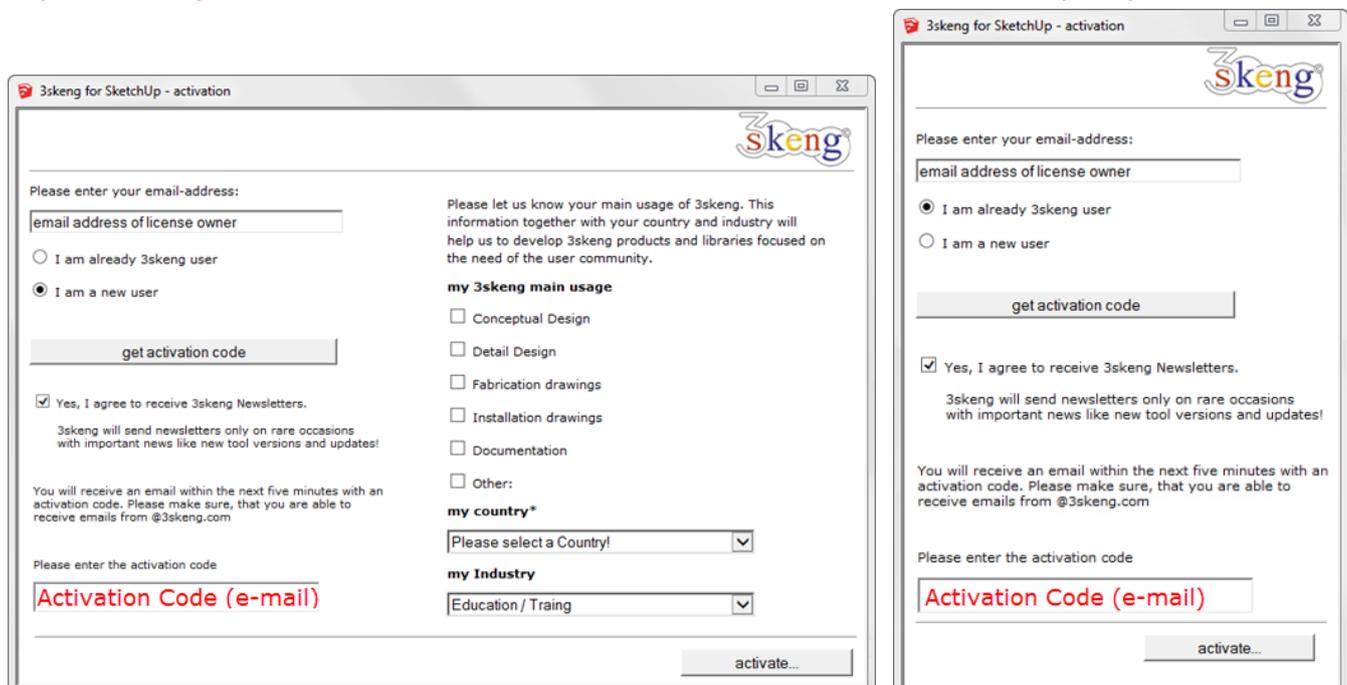
- d) Select if you are already a 3skeng user or a new user.
- e) Fill out the short survey on the right with your main usage for 3skeng, your country (required) and your industry.
- f) Click on "get activation code".
- g) Do not close the activation window.

## 4) 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.

## 5) Explanation of the client tab "my 3skeng"

The 3skeng client tab "my 3skeng" (see screenshot) gives you an overview of your account:

### my 3skeng account

Status: Status of 3skeng installation  
Account: shows the account holder (e-mail address) that is currently activated.  
Version: shows the 3skeng version that is currently installed.

### my 3skeng tools

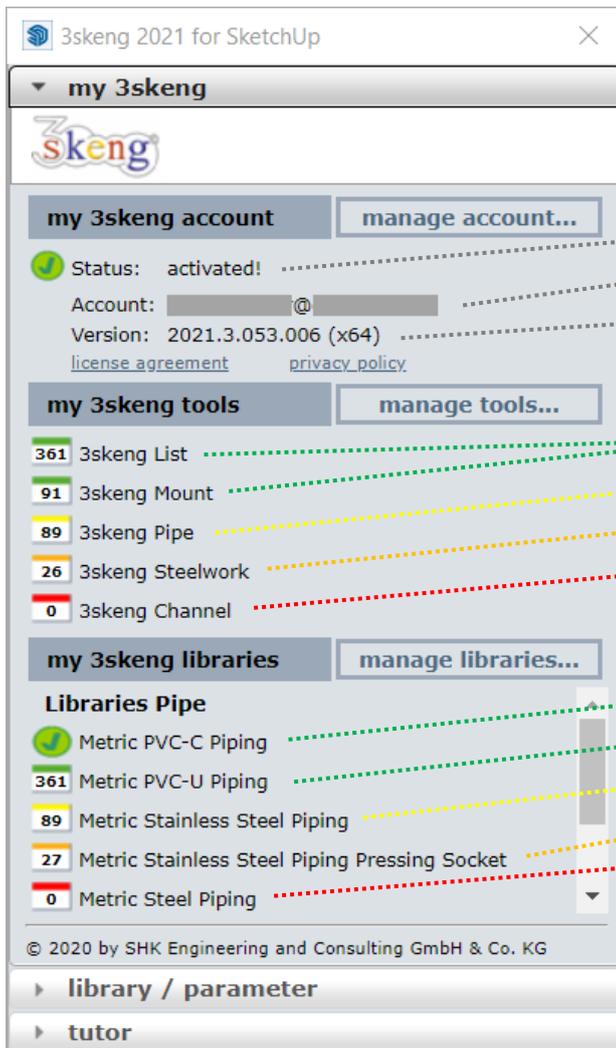
The current tool status is indicated by color-coded calendar symbols. The number shows the remaining use time available for the tool.

Clicking on "manage tools..." allows you to add (purchase) annual licenses for tools.

### my 3skeng libraries

Libraries for the "Pipe" and "Mount" tool with remaining use time are available for all tool versions. They require an extension in case they are expired.

Clicking on "manage libraries ..." allows you to add (purchase) annual libraries.



### Legend:

#### my 3skeng account

Status  
E-Mail address of 3skeng account holder  
Currently installed 3skeng version

#### my 3skeng tools

365-90 days of remaining use  
90-30 days of remaining use  
30-0 days of remaining use  
0 days of remaining use

#### my 3skeng libraries

library without expiration date  
365-90 days of remaining use  
90-30 days of remaining use  
30-0 days of remaining use  
0 days of remaining use

## **6) Add tools and libraries (purchase)**

Go to "manage tools" or "manage libraries" in the 3skeng client window tab "my 3skeng" to access the 3skeng webshop.

The webshop offers comprehensive information about the tools. For detailed information on libraries, PDF files containing all the library elements (content) are available for each library.

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

### **You can obtain your 3skeng license in the following ways:**

#### **A) Use the 3skeng webshop**

You can purchase 3skeng licenses in the new [SHK webshop](#)! Payments are securely processed through the trusted providers Stripe and PayPal, supporting options like Credit Card (AMEX, JCB, MasterCard, and VISA), digital wallets and PayPal. Additionally, we offer the convenience of prepayment via bank transfer.

After successful payment, you will receive an email with your invoice and a separate email for each user containing the purchased license(s).

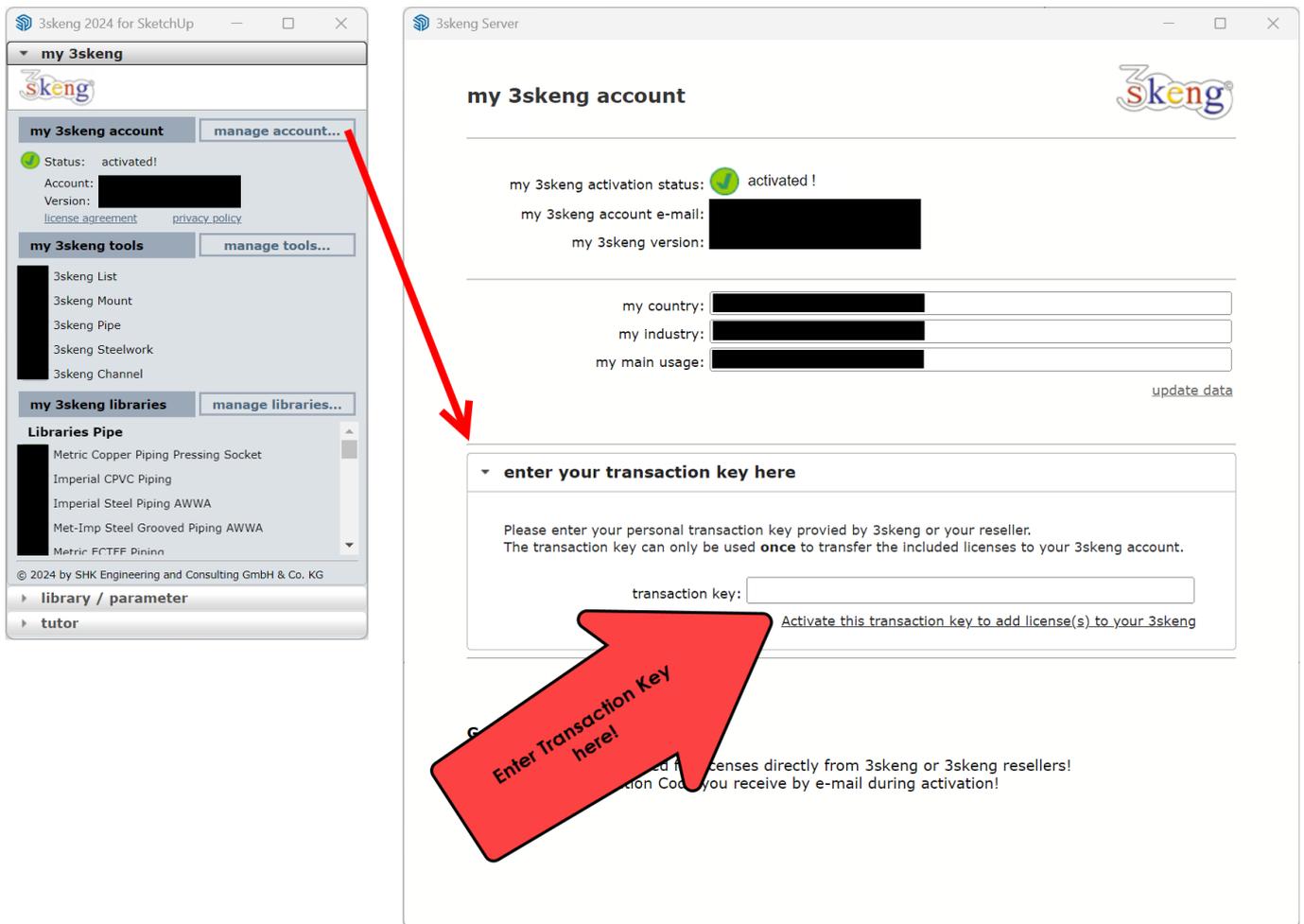
#### **B) Buy 3skeng through resellers**

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.

## 7) How to use a transaction key

Purchases in the 3skeng webshop and at resellers are handed over as personal transaction key. IMPORTANT: This key can only be used **once** to transfer licenses to your (activated) account.

- Go to "manage account" in the 3skeng client window tab "my 3skeng".
- Type in your transaction key.
- 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).



## 8) 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. Click the following links to download the individual files or an archive that contains all files:

[Learn to use \(0.1\) 3skeng List Select & Edit](#) (skp)

[Learn to use \(0.1\) 3skeng List Select & Edit](#) (pdf with scene text)

[Learn to use \(1.1\) 3skeng Pipe conceptual](#) (skp)

[Learn to use \(1.1\) 3skeng Pipe conceptual](#) (pdf with scene text)

[Learn to use \(1.2\) 3skeng Pipe detail basics](#) (skp)

[Learn to use \(1.2\) 3skeng Pipe detail basics](#) (pdf with scene text)

[Learn to use \(1.3\) 3skeng Pipe detail advanced](#) (skp)

[Learn to use \(1.3\) 3skeng Pipe detail advanced](#) (pdf with scene text)

[Learn to use \(2.1\) 3skeng Mount basics](#) (skp)

[Learn to use \(2.1\) 3skeng Mount basics](#) (pdf with scene text)

[Learn to use \(2.2\) 3skeng Mount advanced](#) (skp)

[Learn to use \(2.2\) 3skeng Mount advanced](#) (pdf with scene text)

[Learn to use \(3.1\) 3skeng Steelwork basics](#) (skp)

[Learn to use \(3.1\) 3skeng Steelwork basics](#) (pdf with scene text)

[Learn to use \(3.2\) 3skeng Steelwork advanced](#) (skp)

[Learn to use \(3.2\) 3skeng Steelwork advanced](#) (pdf with scene text)

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

[Learn to use \(4\) 3skeng Channel](#) (pdf with scene text)

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

[Learn to use \(5\) 3skeng compatible Components](#) (pdf with scene text)

[Learn to use 3skeng \(0\)-\(5\).zip](#) (skp's & pdf's with scene text)

Learning files for previous 3skeng 2018/2017/2016/2014 versions:

[Learn to use 3skeng \(1\)-\(7\).zip](#) (skp's & pdf's with scene text)

## 9) 3skeng compatible elements / 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. valve types and sizes) and nature of available libraries (e.g. no air handling unit library).

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 SketchUp library file(s) that includes all the customized 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.

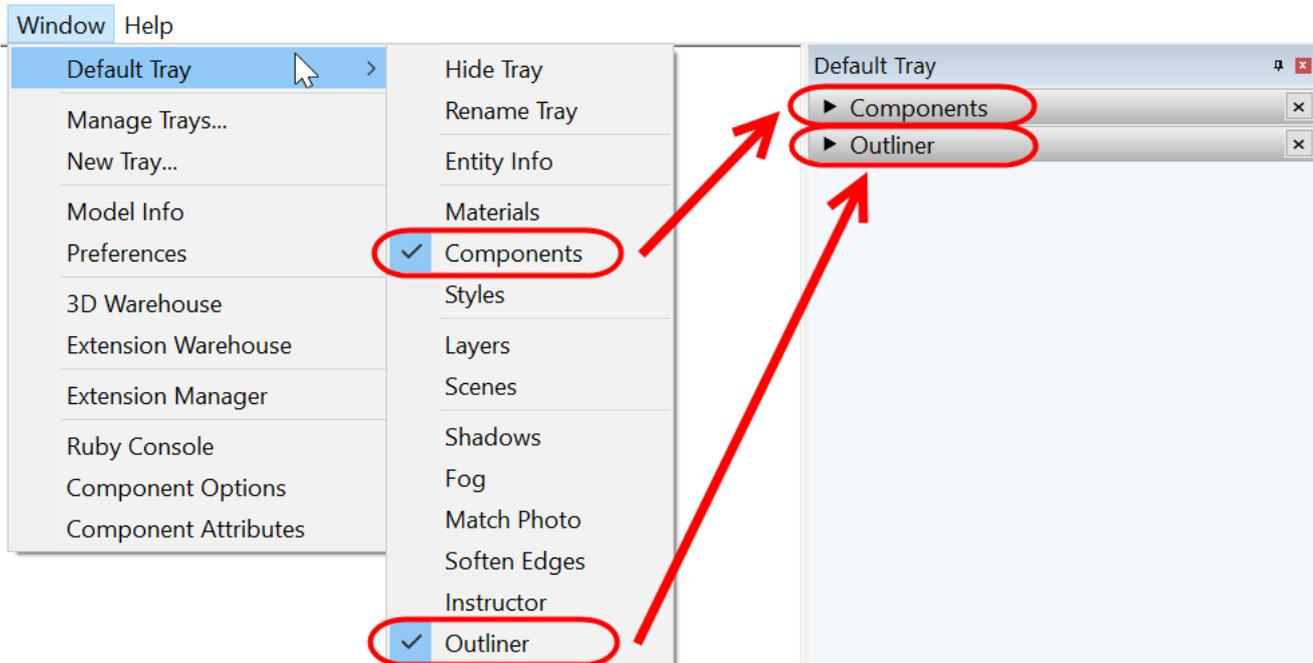
The fastest way to make a component compatible to the 3skeng tools is simply to add appropriate 3skeng elements (e.g. flange) or pieces of pipe in that component.

Learn more in chapter 8 where you can get a learning file that guides you through the process of making 3skeng compatible components.

## 10) Answers for the most frequent questions

### 3skeng freezes for a longer period of time during some situation / operations?

Please minimize the trays "Components" and "Outliner" as they requires lots of computing power and may lead 3skeng (and other extensions) to freeze!



### How can I get my 3skeng licenses up and running again in case I have a new computer *or* new SketchUp version *or* new 3skeng version?

Please follow the guide starting from chapter 1 and following.

**Please consider:** It is very important that you use the same email address that you used for initial activation and purchases to continue using your licenses!

### I have problems with my libraries for some reason (e.g. interrupted or defective download). How can I force 3skeng to synchronize the content?

Please click on the menu:

"Extensions \ 3skeng Engineering 20xx \ maintenance \ Check for update... ..".

That will trigger 3skeng to synchronize your installation. When prompted, please restart SketchUp and allow it to rebuild the local database.

### How can I use another e-mail address (account) for my 3skeng installation?

Please click on the menu:

"Extensions \ 3skeng Engineering 20xx \ maintenance \ Reset local Database...".

That will reset 3skeng and require a new 3skeng activation (please see chapter 4 of that guide). You can enter another e-mail address at that step.

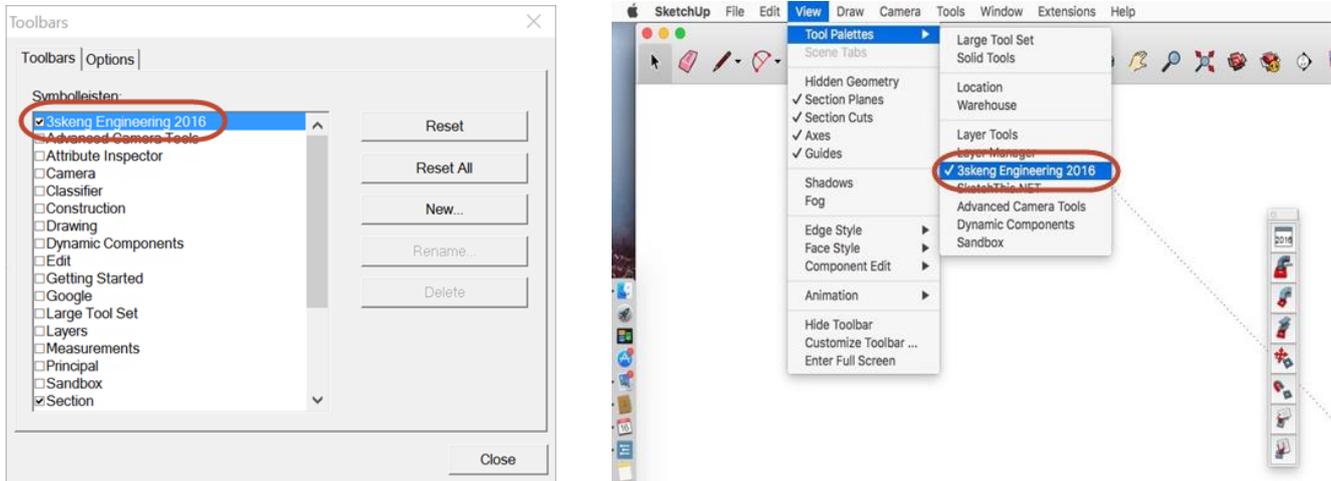
## 11) How to deactivate and / or uninstall 3skeng

### Deactivate 3skeng

To deactivate 3skeng, untag it in:

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

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



### Uninstall 3skeng

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

#### Delete "3skeng 2024" database folder:

C:\Users\%username%\AppData\Roaming\3skeng\_V2024\Sketchup 20xx

#### Delete "3skeng 2023" database folder:

C:\Users\%username%\AppData\Roaming\3skeng\_V2023\Sketchup 20xx

#### Delete "3skeng 2022" database folder:

C:\Users\%username%\AppData\Roaming\3skeng\_V2022\Sketchup 20xx

#### Delete 3skeng Plugin in SketchUp program folder:

In Path C:\Users\%username%\AppData\Roaming\SketchUp\SketchUp 20xx\SketchUp\Plugins  
Delete folder "\shk\_3skeng\" and file "shk\_3skeng.rb"