

STEP 2D Import for AutoCAD

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STEP 2D Import for AutoCAD Help

Welcome to *STEP 2D Import for AutoCAD* Help!

This help file provides all the information you need to understand and use *STEP 2D Import for AutoCAD*. Click the links below or use the Contents tab on the left to browse help topics. You can also scroll the topics on the above right hand pane.

The *STEP 2D Import for AutoCAD* help file is divided into the following sections:

- [Introduction](#) - Introduction to *STEP 2D Import for AutoCAD*.
- [Command Reference](#) - Quick reference of all the commands added by *STEP 2D Import for AutoCAD*.
- [Tutorial](#) - Tutorial to get you started in the shortest possible time.

If you need any additional information please [contact](#) SYCODE.

Note:

- Please refer to the section "Loading Instructions" in the [ReadMe](#) file to load *STEP 2D Import for AutoCAD* plug-in file into the AutoCAD environment.
- Please read the [License Agreement](#) before using the software.

Introduction

Introduction

STEP 2D Import for AutoCAD is a STEP file import plug-in for AutoCAD. This plug-in gives AutoCAD the ability to import geometric data from STEP files.

The STEP file format is widely used to exchange 3D data between different CAD systems. STEP files contain 3D geometry data of solid models. *STEP 2D Import for AutoCAD* reads the 3D geometry data from STEP files and creates 3D curve objects corresponding to each edge in the solid model. These 3D curves are added to the current AutoCAD drawing, thereby yielding the wireframe geometry of the solid in the STEP file.

STEP 2D Import for AutoCAD is designed to work with the following versions of AutoCAD:

- AutoCAD 2011 (32 & 64 Bit)
- AutoCAD 2010 (32 & 64 Bit)
- AutoCAD 2009 (32 & 64 Bit)
- AutoCAD 2008 (32 & 64 Bit)
- AutoCAD 2007
- AutoCAD 2006
- AutoCAD 2005
- AutoCAD 2004
- AutoCAD 2002
- AutoCAD 2000i
- AutoCAD 2000

STEP 2D Import for AutoCAD is very easy to use. Once installed, it must be loaded into the AutoCAD environment. There are simple instructions for this in the [ReadMe](#) file. Once loaded it adds new commands to AutoCAD's existing commands and a new submenu called "STEP2DImport" to the AutoCAD menu containing these newly added commands.

STEP 2D Import for AutoCAD comes with detailed documentation as well as a [tutorial](#) to get you started in the shortest possible time.

If you need any additional information please [contact](#) SYCODE.

The STEP File Format

ISO 10303 is an ISO standard for the computer-interpretable representation and exchange of industrial product data. Its official title is Industrial automation systems and integration - Product data representation and exchange, and it is also known as STEP or the Standard for the Exchange of Product model data. The standard's objective is to provide a mechanism that is capable of describing product data throughout the life cycle of a product,

independent from any particular system. The nature of this description makes it suitable not only for neutral file exchange, but also as a basis for implementing and sharing product databases and archiving.

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ReadMe

This is the *STEP 2D Import for AutoCAD* ReadMe file.

Thank you for installing STEP 2D Import for AutoCAD.

Please read this ReadMe document carefully and completely. It contains important information which is vital to the proper working of STEP 2D Import for AutoCAD.

Since STEP 2D Import for AutoCAD is a plug-in for AutoCAD, it has to be loaded into the AutoCAD environment before it can be used. Loading is a one time process. STEP 2D Import for AutoCAD will automatically load itself into AutoCAD the next time you run AutoCAD.

The STEP 2D Import for AutoCAD plug-in files are installed into the STEP 2D Import for AutoCAD installation folder (typically "C:\Program Files\SYCODE\STEP 2D Import for AutoCAD\"). The plug-in files have an extension of ".arx".

The list of plug-in files along with the version of AutoCAD is shown below. Please be sure to use the plug-in file that corresponds to your version of AutoCAD.

```
STEP2DImport_VC60.arx      -> AutoCAD 2000, 2000i, 2002
STEP2DImport_VC70.arx      -> AutoCAD 2004, 2005, 2006
STEP2DImport_VC80.arx      -> AutoCAD 2007, 2008 (32 Bit), 2009 (32 Bit)
STEP2DImport_VC80x64.arx   -> AutoCAD 2008 (64 Bit), 2009 (64 Bit)
STEP2DImport_VC90.arx      -> AutoCAD 2010 (32 Bit)
STEP2DImport_VC90x64.arx   -> AutoCAD 2010 (64 Bit)
STEP2DImport_VC90.arx      -> AutoCAD 2011 (32 Bit)
STEP2DImport_VC90x64.arx   -> AutoCAD 2011 (64 Bit)
```

To load STEP 2D Import for AutoCAD into AutoCAD please follow the steps listed below:

- (1) Select "Load Application..." from "Tools" menu or enter the "_APpload" command.
- (2) Click the "Contents" button in "Startup Suite"
- (3) Click the "Add" button.
- (4) Browse for the plug-in file for your version of AutoCAD (see list above).
- (5) Click the "Add" button on the Add File to Startup Suite dialog box.
- (6) Click the "Close" button to close the Startup Suite dialog box.
- (7) Click the "Close" button to close the Load/Unload Applications dialog box.

Now STEP 2D Import for AutoCAD is completely installed and ready for use.

Usage:

=====

STEP 2D Import for AutoCAD adds new commands to AutoCAD. The commands

STEP 2D Import for AutoCAD

added are:

- 1) STEP2DImport - Imports a STEP file.
- 2) STEP2DImportHelp - Displays the STEP 2D Import for AutoCAD help file
- 3) STEP2DImportRegister - Registers your copy of STEP 2D Import for AutoCAD
- 4) STEP2DImportAbout - Displays the STEP 2D Import for AutoCAD about box.

Sample Files:

=====

Sample STEP files are copied into the Samples folder which is located in the STEP 2D Import for AutoCAD installation folder (typically "C:\Program Files\SYCODE\STEP 2D Import for AutoCAD\"). You can try STEP 2D Import for AutoCAD using these sample files.

Support:

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For support, please E-Mail support@sycode.com

Contact

| | |
|-----------------|--|
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| Fax | +91 832 2416615 |
| E-Mail | info@sycode.com |
| Web Site | http://www.sycode.com |

Command Reference

STEP 2D Import for AutoCAD adds new commands to AutoCAD and a submenu called "STEP2DImport" which houses them. The new commands are:

| | |
|--------------------------------------|--|
| STEP2DImport | Imports a STEP file |
| STEP2DImportHelp | Displays the <i>STEP 2D Import for AutoCAD</i> help file |
| STEP2DImportRegister | Register your copy of <i>STEP 2D Import for AutoCAD</i> |
| STEP2DImportAbout | Displays the <i>STEP 2D Import for AutoCAD</i> about box |

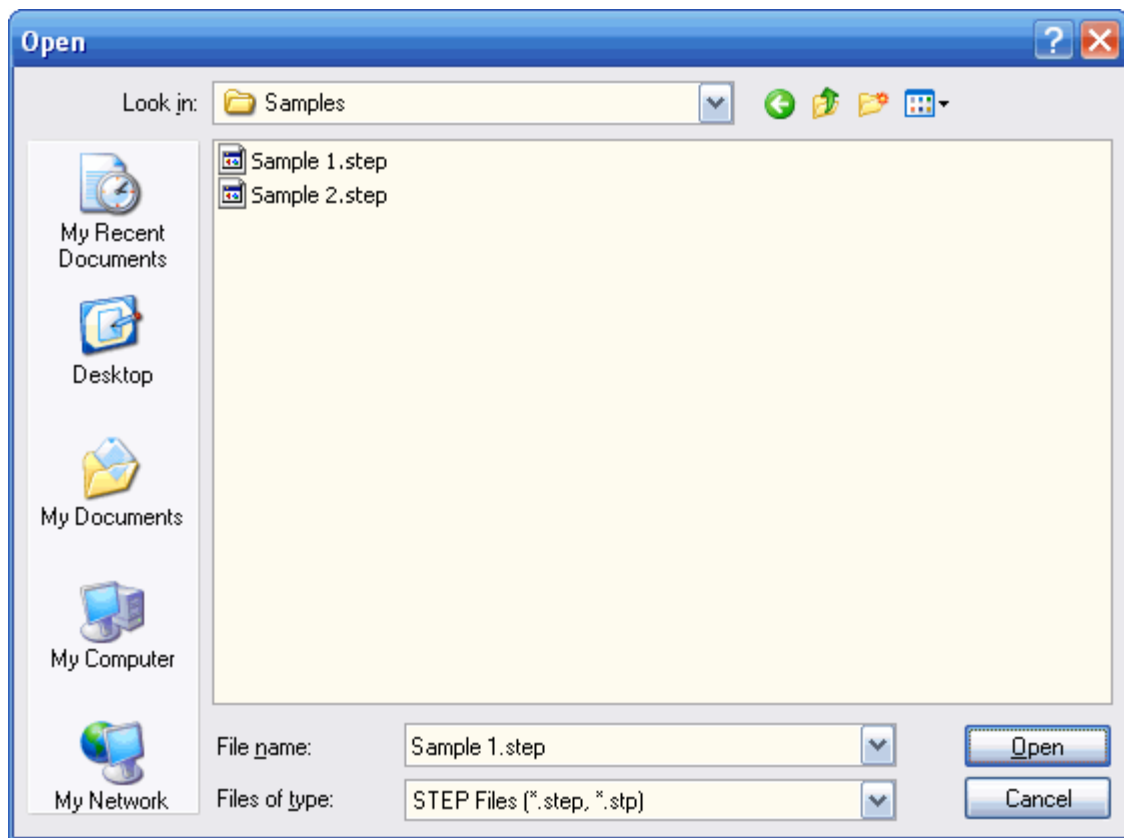
STEP2DImport

| | |
|--------------------|-----------------------|
| Menu Button | STEP2DImport > Import |
| Command | STEP2DImport |

This command imports geometric data from STEP files into AutoCAD.

To import a STEP file

1. Select *Import* from the "STEP2DImport" menu or type "*STEP2DImport*" at the AutoCAD command prompt and press *Enter*.
2. The AutoCAD "Open" dialog box is displayed. Browse for the STEP file you wish to import and click *Open*.



3. The "STEP 2D Import for AutoCAD Options" dialog box is displayed. Select the options as required and click Ok.

STEP2DImportHelp

| | |
|--------------------|---------------------|
| Menu Button | STEP2DImport > Help |
| Command | STEP2DImportHelp |

This command displays the help file. The [Welcome](#) page is a good place to start.

STEP2DImportRegister

| | |
|--------------------|-------------------------|
| Menu Button | STEP2DImport > Register |
| Command | STEP2DImportRegister |

This is used to register your copy of *STEP 2D Import for AutoCAD*.

You need a license key to start using the software. A license key can be of two types: Trial or Permanent. A trial key is issued to you instantly and completely free of cost so that you may try the software before you purchase a license. A permanent key is issued after you have purchased a license.

How do I get a Trial Key?

Simply click the 'Request Key' button and select 'TRIAL KEY' as the type of key being requested. Fill the form and submit it. A trial key will be immediately sent to you by email.

How do I get a Permanent Key?

To get a permanent key you need to have already purchased a license. If you have not yet purchased a license you can do so by clicking the 'Buy Online' button. After you place your order click the 'Request Key' button and select 'PERMANENT KEY' as the type of key being requested. Fill the form and submit it. Your order will be verified and a permanent key will be sent to you by email within one business day.

IMPORTANT:

(1) Please ensure that your computer is connected to the internet before you request for a

STEP 2D Import for AutoCAD

key.

(2) Please be sure to enter a valid email address as the key will be sent to you by email.

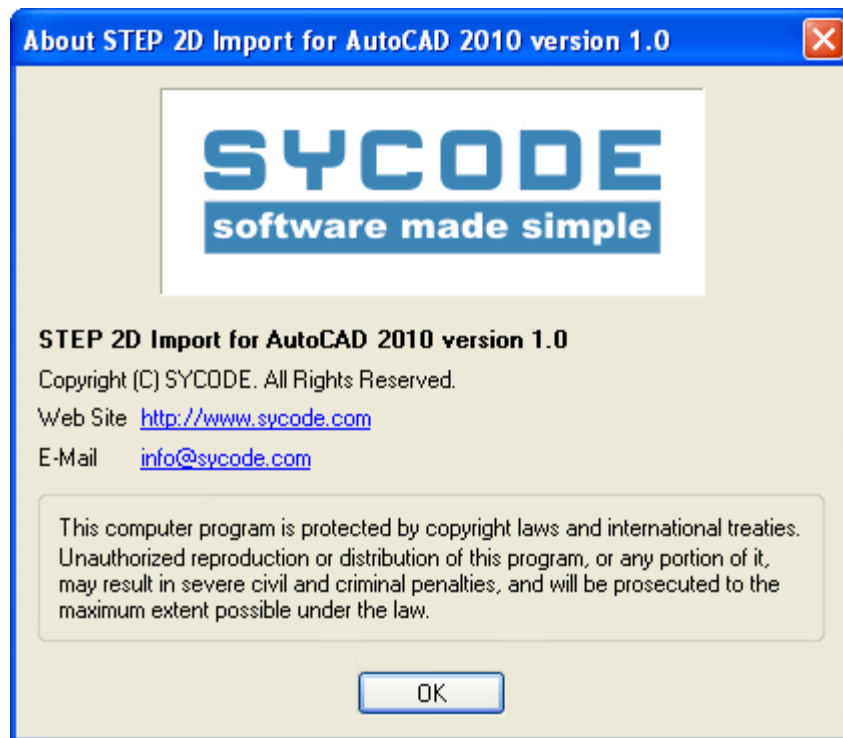
(3) To avoid disruption in your work-flow we urge you to place your order before the trial period ends.

If you need anything else please send an email to register@sycode.com

STEP2DImportAbout

| | |
|--------------------|----------------------|
| Menu Button | STEP2DImport > About |
| Command | STEP2DImportAbout |

This command is used to display the *STEP 2D Import for AutoCAD* About box. The About box lists the software and its version.



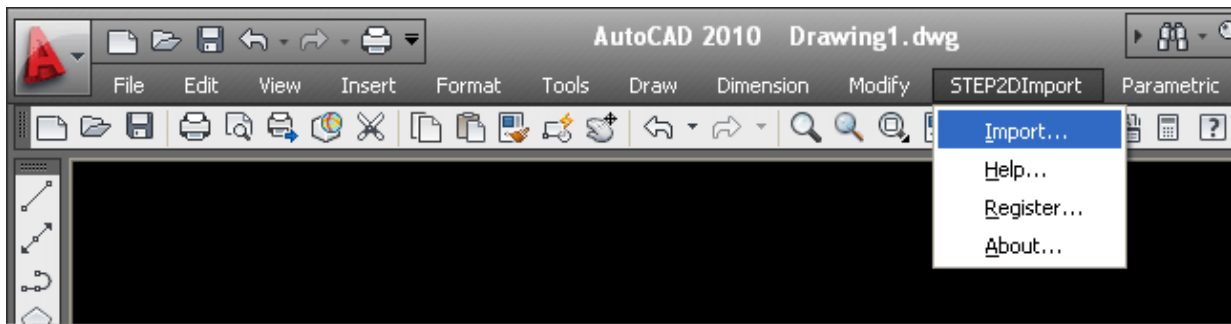
Tutorial

Tutorial

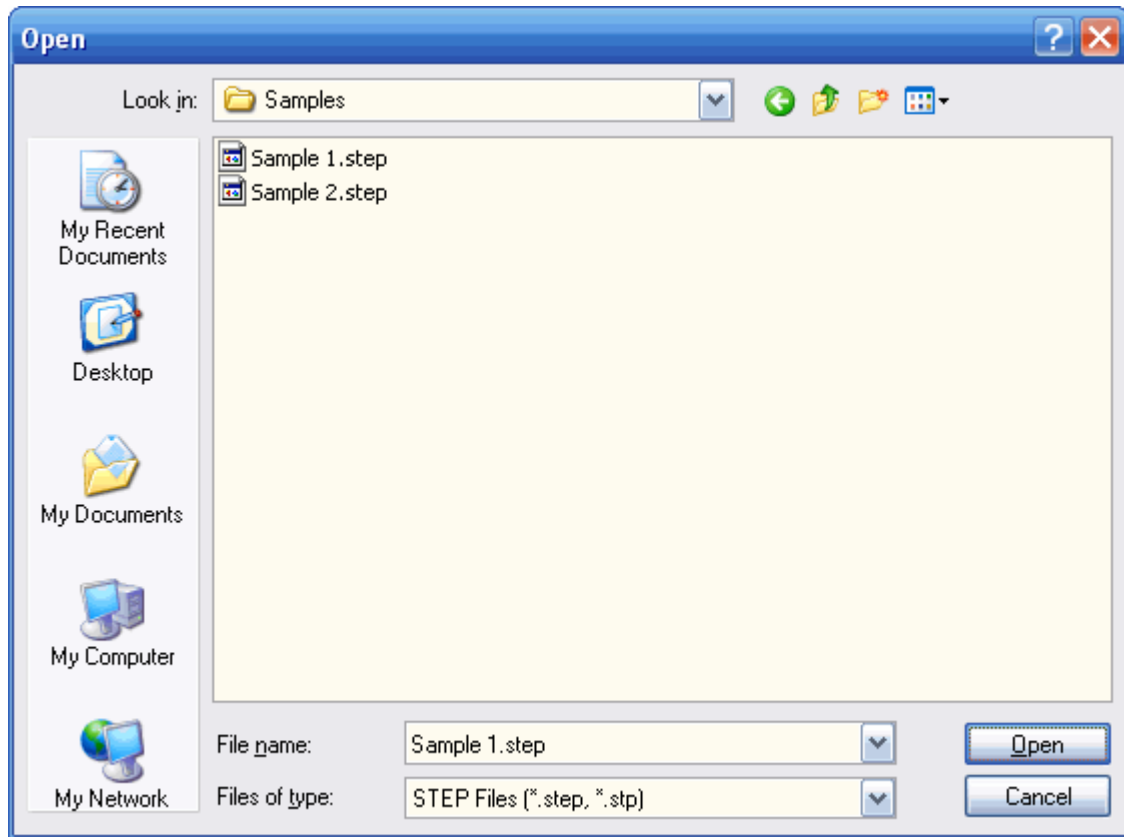
This tutorial provides the necessary information and hands-on experience to help you get started with *STEP 2D Import for AutoCAD*.

Step 1: Start AutoCAD.

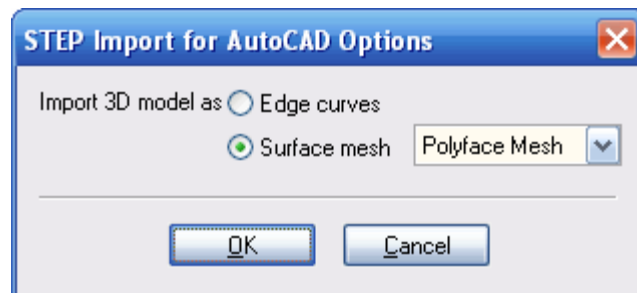
Step 2: Select *Import* from the "STEP2DImport" menu or type *STEP2DImport* at the AutoCAD command prompt and press *Enter*.



Step 3: The AutoCAD "Open" dialog box is displayed. Browse for the file C:\Program Files\SYCODE\STEP 2D Import for AutoCAD\Samples\Sample 1.step and click *Open*.

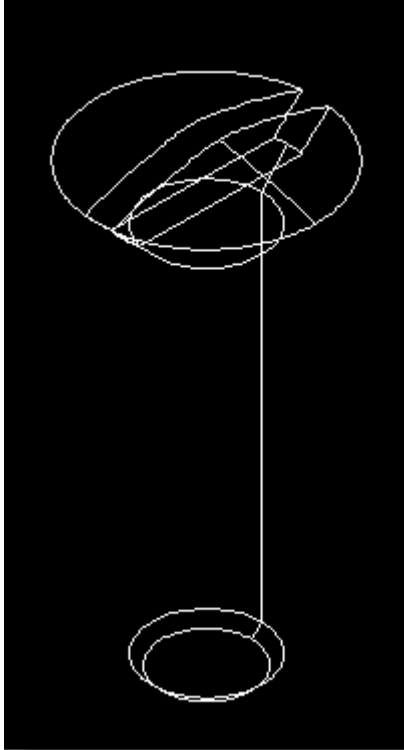


Step 4: The "STEP 2D Import for AutoCAD Options" dialog box is displayed. Select the options as required and click *Ok*.

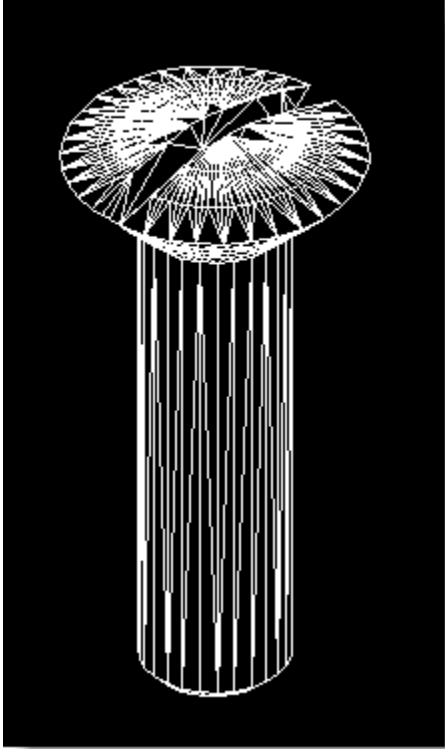


The figure below shows the final result.

STEP 2D Import for AutoCAD



(model as Edge curves)



(model as Surface mesh)

