

DXF Importer

A utility for Fusion 360 to import multiple DXF files.

[How to use](#)

[How to install](#)

[For Developers](#)

How to use

Click the *DXF Import* button on the Tools Tab in the Design Workspace.

When you launch the command you will be prompted to select a number of DXF files.

DXF BULK IMPORT

Spacing between parts:

0.75 in

Number per row:

8

Reset Sketch Origins?

☒

Combine to single sketch?

☒

Extrude Profiles?

☒

Thickness:

0.35 in

Apply Material?

☒

Material Name

Steel

Import Text?

☒

Font:

Monotxt8.shx

Close Sketches?

☒

Gap Tolerance:

0.0001 in

Save Settings?

☐

Show Popup?

☐

OK

Cancel

Fusion will import each DXF file. One component is created for each imported file and the utility will spaces the DXF's in a grid.

The following options can also be set to perform various customizations and cleanup of the imported DXF files.

Options:

- Spacing between parts* - You can set the spacing between the imported files by changing the value.
- Number per row* - You can also adjust the number of files per row by adjusting the option.
- Reset Origins* - This option will move the entities in each sketch (layer of the dxf file) such that the bottom left corner of their bounding box is at the parts origin.
- Combine to a single sketch* - If checked all layers in the DXF will be combined into a single sketch. If unchecked a sketch will be created for each layer in the dxf file.
- Extrude Profiles* - This option will extrude the outer profile of each sketch.
- Thickness* - The to the value to extrude profiles (If checked).
- Apply Material* - You can choose to automatically assign a material to all of the newly created components.
- Material Name* - The material to apply. Note the material must exist in the current model. You can browse the material library and add your chosen material before running the import command.
- Import Text* - If selected text from the DXF file will be read and rebuilt as Fusion 360 Text. The units of the DXF file will be used for scaling if they are present. If not the current document units will be used to interpret size.
- Font* - The Font to use for the imported text. To edit the available fonts you can edit the `fonts.txt` file located in: `./commands/resources`
- Close Sketches* - This option will attempt to close small gaps in the imported file.
- Gap Tolerance* - 2 points within this tolerance will be merged. NOTE: This will, of course, have very subtle effects on the exact placement of imported geometry.
- Save Settings* - The current settings in the dialog will be saved as defaults for the next time you use the command.
- Show Popup* - If this is unchecked AND you save your settings, the popup informing you to select DXF's will not be displayed on future runs.

How to install

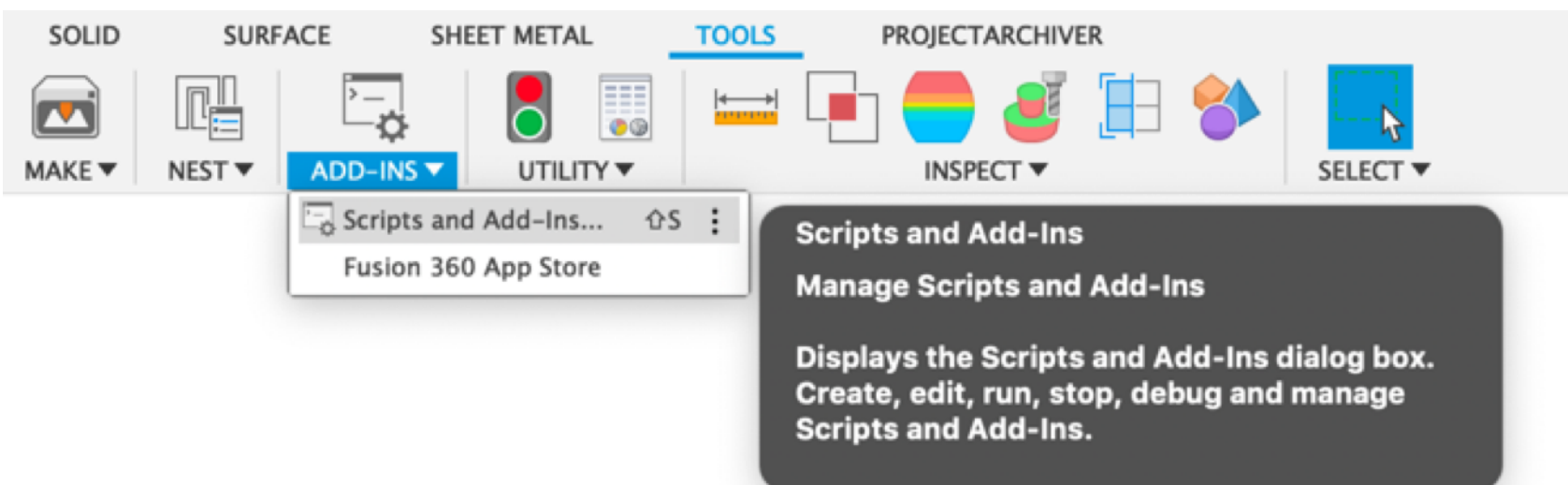
- [Download the latest distribution](#)
- Unzip the archive to a permanent location on your computer

Downloads				
Name	Date Modified	Size	Ki	
DXFImporter.zip	Today at 5:28 PM	1.6 MB	ZI	
DXFImporter	Today at 5:22 PM	--	Fc	
apper	Today at 5:23 PM	--	Fc	
lib	Today at 5:22 PM	--	Fc	
commands	Today at 5:22 PM	--	Fc	
DXFImporter.py	Today at 5:01 PM	3 KB	Py	
config.py	Today at 3:14 PM	127 bytes	Py	
DXFImporter.manifest	May 18, 2020 at 6:12 PM	350 bytes	Vi	

- It is important that the directory be named *DXFImporter*.
If you have previously downloaded this or otherwise, make sure the latest version has exactly that directory name.

Inside Fusion 360

- Launch Fusion 360.
- On the main toolbar click the **Scripts and Addins** button in the **Addins** Pane

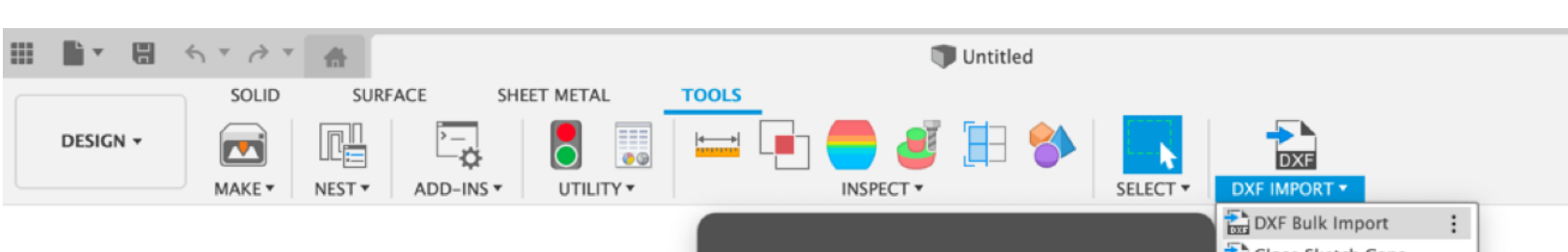


- Select the **Addins** tab and click the “add”

- Browse to the ‘DXFImporter’ directory
Note: this may be the top level folder depending on the zip utility you use or if it is mac vs. windows.

Downloads				
Name	Date Modified	Size	Ki	
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DXFImporter.py	Today at 5:01 PM	3 KB	Py	
config.py	Today at 3:14 PM	127 bytes	Py	
DXFImporter.manifest	May 18, 2020 at 6:12 PM	350 bytes	Vi	

- Click run.
- Dismiss the Addins dialog.
- Click the **Tools** Tool Bar Tab and you should see **DXF Import** Panel and commands.



For Developers

Clone the repo

Update the apper submodule by browsing to the unzipped directory and executing:

```
git submodule update --remote
```

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