

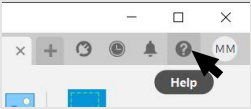
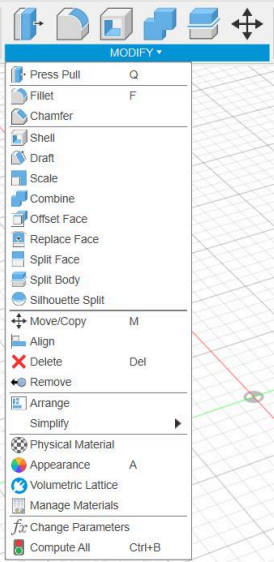
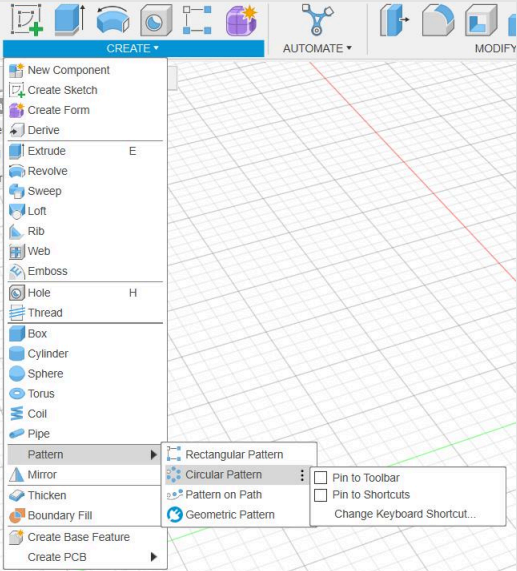
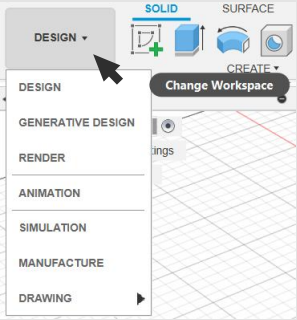
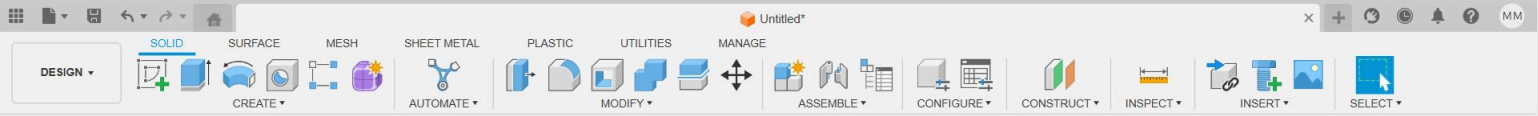
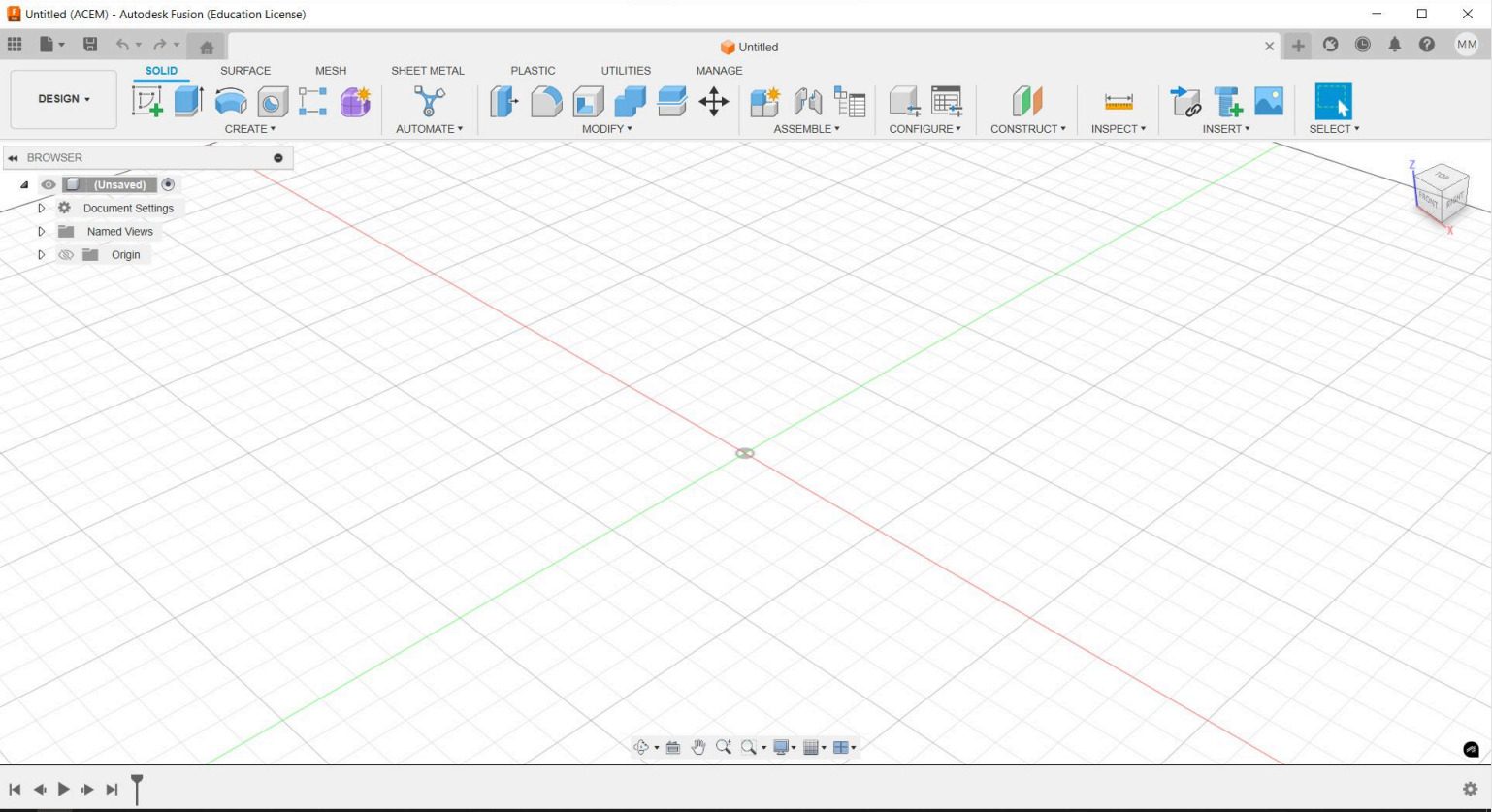
A Document Created To  
Aid In The

# **Basic CAD and 3D Printing Workshop**

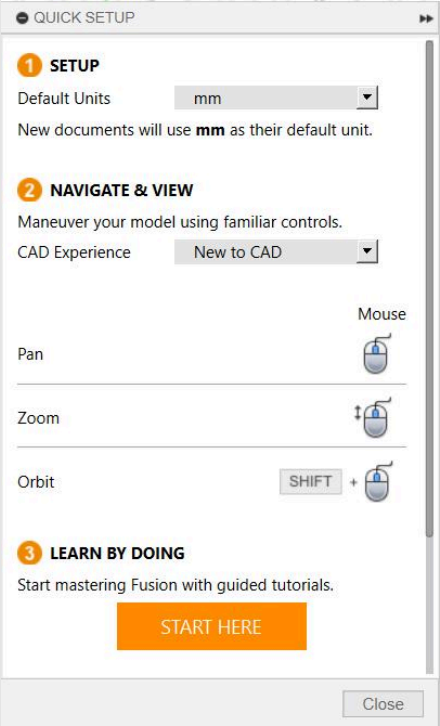
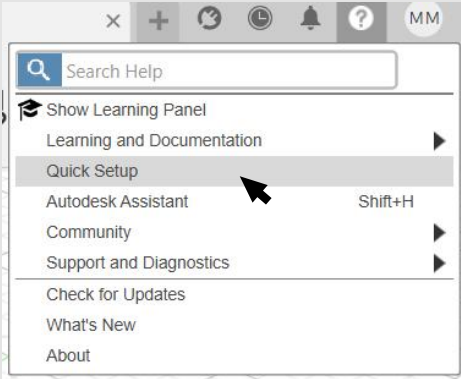
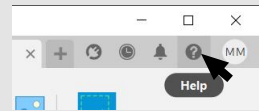
Organized By



# Overall UI



# Getting Started



Shortcuts for the Drawing workspace

| Drawing Workspace Tool | Windows Key Combination | macOS Key Combination |
|------------------------|-------------------------|-----------------------|
| Projected View         | P                       | P                     |
| Move                   | M                       | M                     |
| Delete                 | Delete                  | Delete                |
| Center Mark            | C                       | C                     |
| Dimension              | D                       | D                     |
| Text                   | T                       | T                     |
| Balloon                | B                       | B                     |

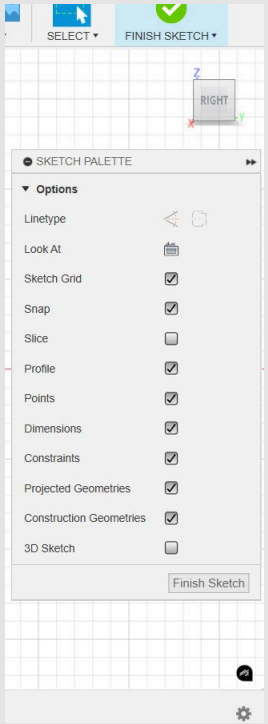
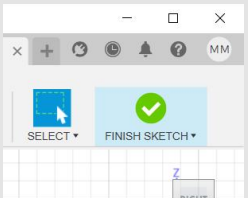
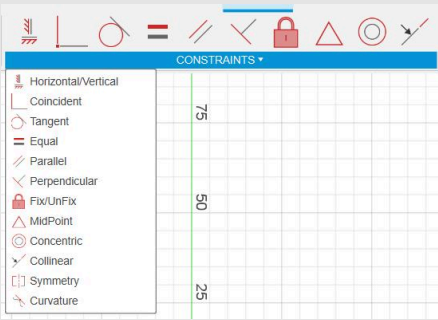
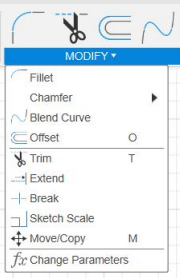
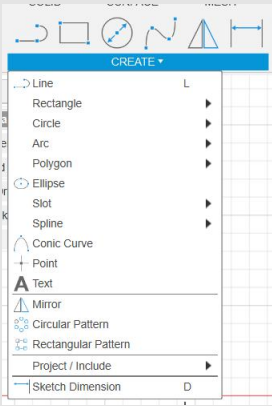
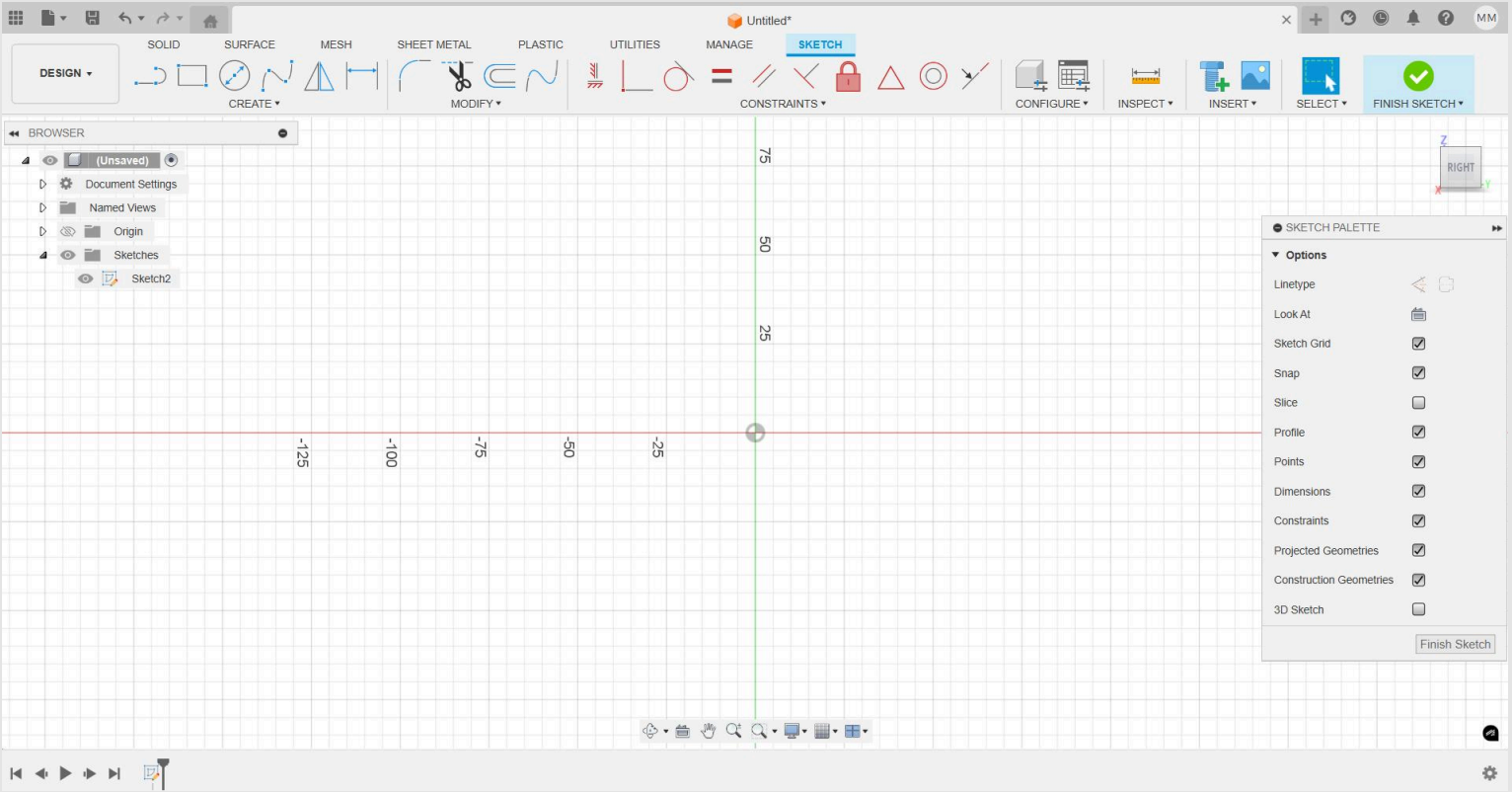
| System Keyboard Shortcut | Windows Key Combination | macOS Key Combination |
|--------------------------|-------------------------|-----------------------|
| New Design               | Ctrl+N                  | Command+N             |
| Open                     | Ctrl+O                  | Command+O             |
| Save (Version)           | Ctrl+S                  | Command+S             |
| Recovery Save            | Ctrl+Shift+S            | Command+Shift+S       |
| Cycle open document tabs | Ctrl+Tab                | Command+Tab           |
| Show/Hide ViewCube       | Ctrl+Alt+V              | Option+Command+V      |
| Show/Hide Browser        | Ctrl+Alt+B              | Option+Command+B      |
| Show/Hide Comments       | Ctrl+Alt+A              | Option+Command+A      |
| Show/Hide Text Commands  | Ctrl+Alt+C              | Option+Command+C      |
| Show/Hide Navigation bar | Ctrl+Alt+N              | Option+Command+N      |
| Show/Hide Data Panel     | Ctrl+Alt+P              | Option+Command+P      |
| Reset to Default Layout  | Ctrl+Alt+R              | Option+Command+R      |

| Canvas Selection   | Windows Key Combination              | macOS Key Combination                |
|--------------------|--------------------------------------|--------------------------------------|
| Pan                | Hold Middle Mouse Button             | Hold Middle Mouse Button             |
| Zoom               | Roll Middle Mouse Button             | Roll Middle Mouse Button             |
| Orbit              | Hold Shift+Middle Mouse Button       | Hold Shift+Middle Mouse Button       |
| Orbit around point | Hold Shift+Click+Middle Mouse Button | Hold Shift+Click+Middle Mouse Button |
| Undo               | Ctrl+Z                               | Command+Z                            |
| Redo               | Ctrl+Y                               | Command+Shift+Z                      |
| Copy               | Ctrl+C                               | Command+C                            |
| Paste              | Ctrl+V                               | Command+V                            |
| Cut                | Ctrl+X                               | Command+X                            |

## Keyboard Shortcuts Reference

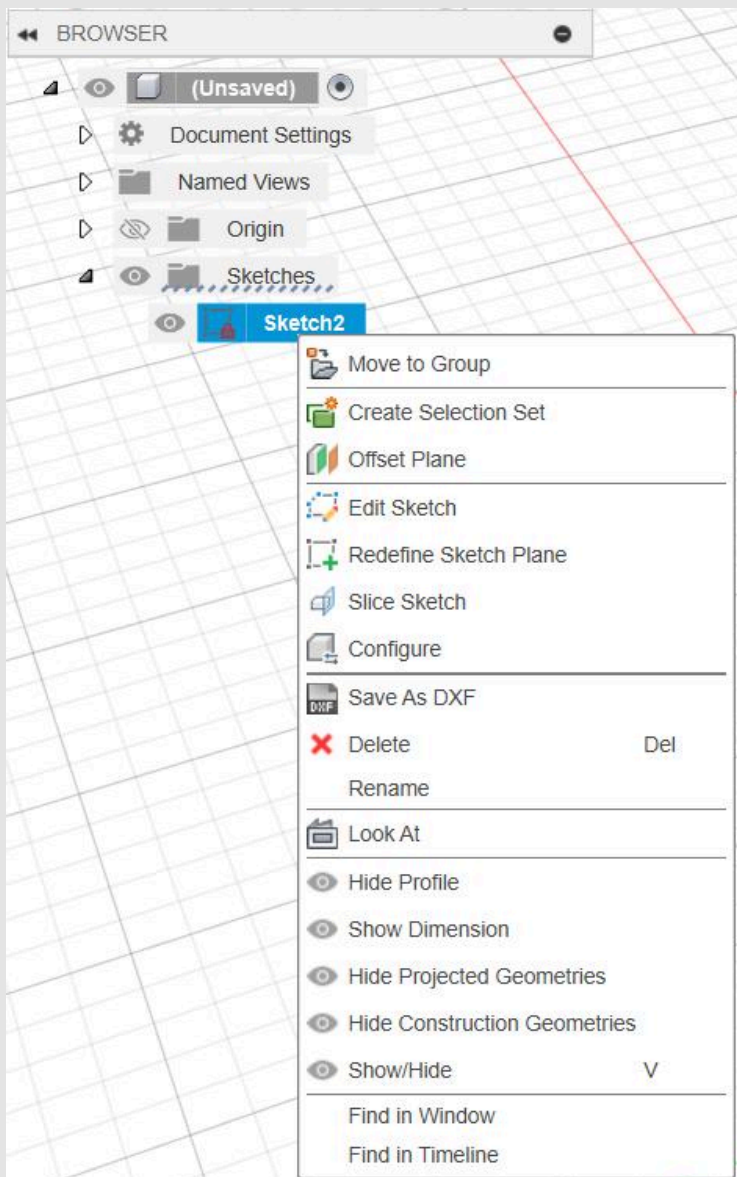
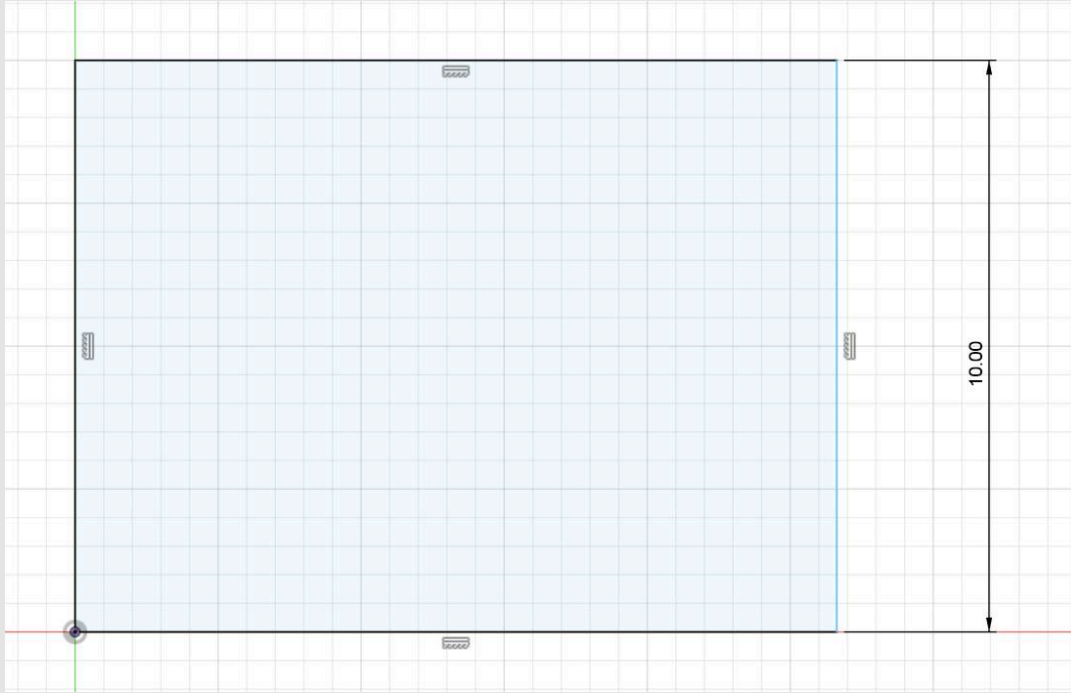


# Making Sketches

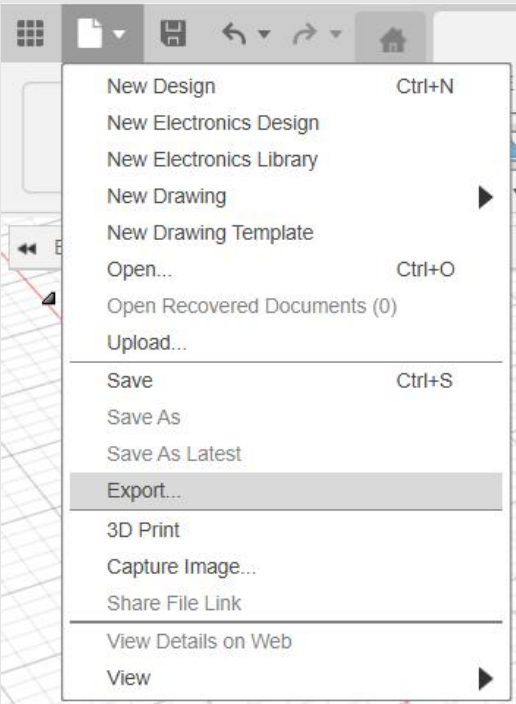
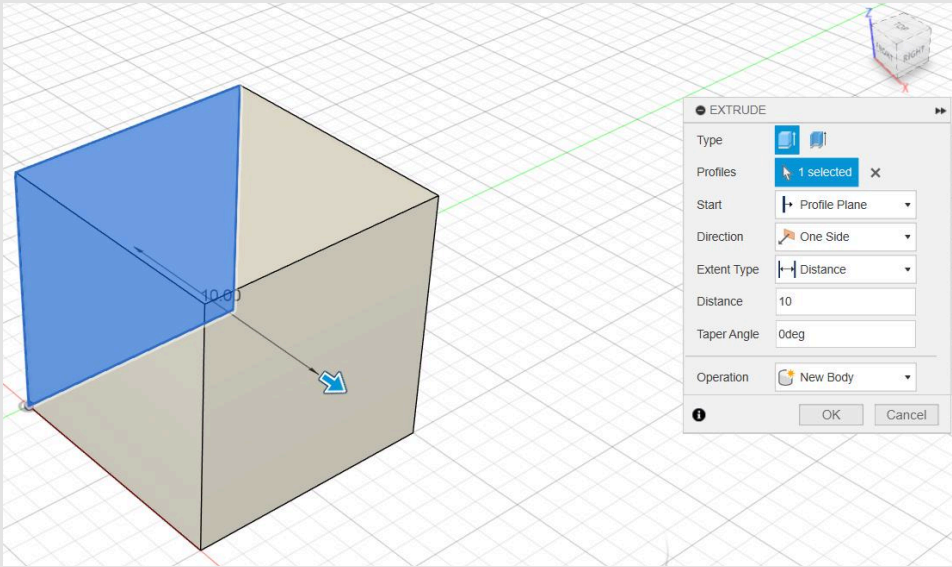




# Defining and Editing a Sketch



# Our First 3D Model



Export

Name:

My\_cube

Type:

STL Files (\*.stl)

DXF Files (\*.dxf)

FBX Files (\*.fbx)

IGES Files (\*.igs \*.iges)

OBJ Files (\*.obj)

SAT Files (\*.sat)

SketchUp Files (\*.skp)

SMT Files (\*.smt)

STEP Files (\*.stp \*.step)

STL Files (\*.stl)

USD Files (\*.usdz)

Cancel

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links