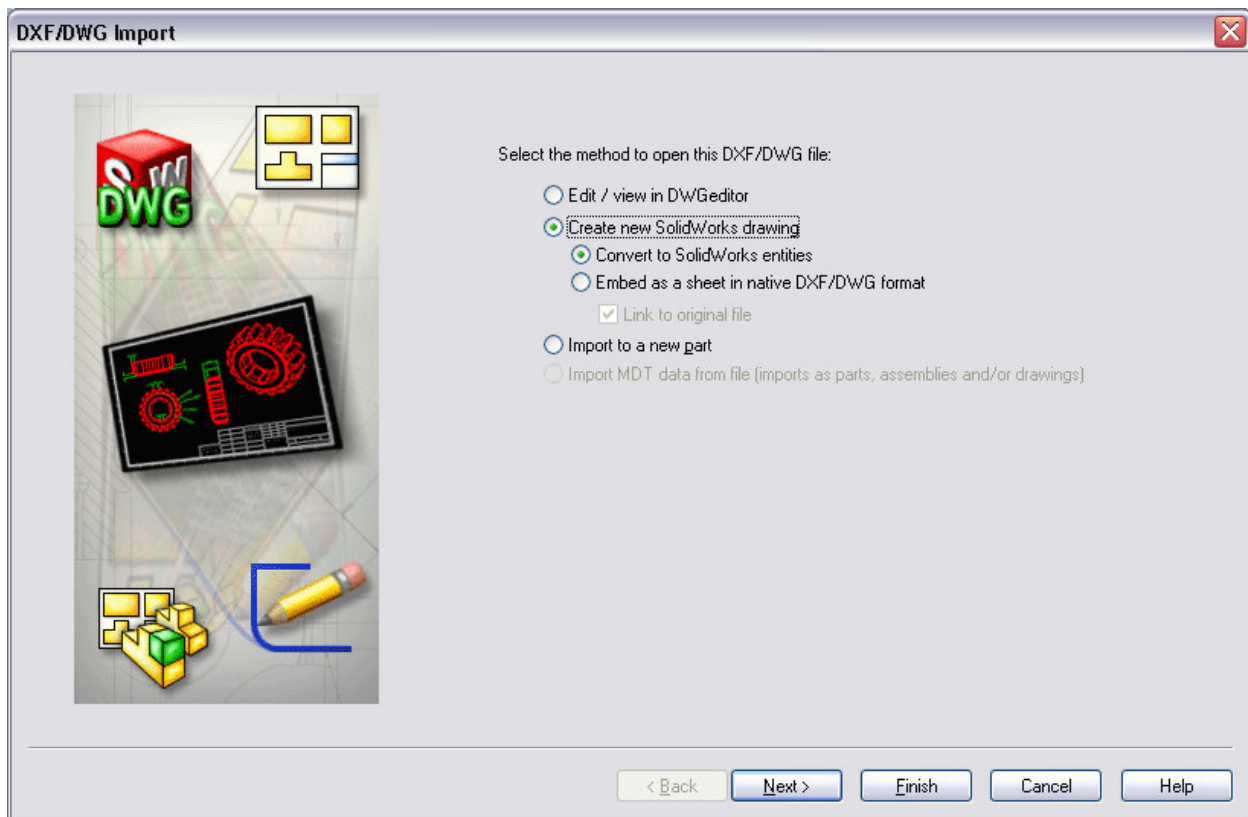


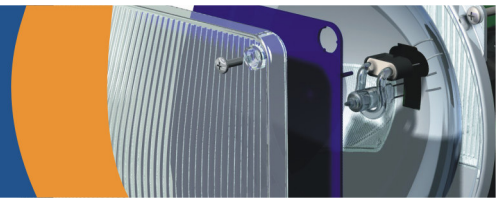
Importing DWG/DXF Files into SolidWorks

SolidWorks imports DXF or DWG files, including Mechanical Desktop files, as SolidWorks part or drawing documents, according to the option settings in the **DXF/DWG Import Wizard** (shown below). This translator also imports DXF 3D files without the wizard. In a drawing document, you can import the geometry to the drawing sheet or the drawing sheet format. Entities in either paper space or model space are imported.



The DXF/DWG translator imports:

- AutoCAD Mechanical annotations, known as proxy entities, (such as surface finish symbols or GTOL frames) and automatically drawn objects (such as cams and springs) when you import DXF or DWG files as SolidWorks drawing documents. The translator converts these imported items to equivalent SolidWorks objects, or creates them as blocks of primitive geometry, as appropriate.
- Associative and non-associative crosshatches as area hatches
- XREFs in AutoCAD DWG files



- DWG files with multiple sheets
- 3D solids

The DXF/DWG translator supports:

- The most popular AutoCAD SHX or True Type fonts, even though the fonts might not be installed.
- Import of AutoCAD block definitions and instances with properties and attributes

Functionality available with the DXF/DWG translator:

- Imported entities can become SolidWorks blocks.
- When you import AutoCAD DWG files saved in paper space (layout mode) as SolidWorks drawing documents, the DXF/DWG Import Wizard converts each AutoCAD viewport into a separate SolidWorks drawing view. Drawing view data is selectable if you activate the drawing view.
- Data that does not belong to a viewport is imported to the drawing sheet. Drawing sheet data is selectable if you activate the drawing sheet. If Dynamic drawing view activation is enabled, you must lock sheet focus to select drawing sheet data.
- The DXF/DWG translator alerts you to problems encountered when importing a DXF or DWG file.
- You can import entire DWG sheets in native format in SolidWorks drawing sheets, which allows the direct display of the original DWG entities inside SolidWorks drawing documents. You can view, pan, zoom, and print these sheets. Select Embed as a sheet in native DXF/DWG format in the DXF/DWG Import Wizard.
- You can import DXF and DWG files from AutoCAD 2004 and later that are password protected. The SolidWorks translator detects the encrypted password and prompts you for the password. If you export the file back to DXF/DWG format, it is saved without encryption.