



Autodesk Inventor 2017 (R1) Sheet Metal Design: Autodesk Authorized Publisher

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The *Autodesk® Inventor® 2017 (R1) Sheet Metal Design* student guide introduces the concepts and techniques of sheet metal modeling with the Autodesk® Inventor® software.

The structure of the student guide follows the typical stages of using the Autodesk® Inventor® software. That is, to create and edit sheet metal parts, generate flat patterns, and document the designs in drawings.

Topics Covered

- Autodesk Inventor Sheet Metal interface
- Sheet metal design process
- Creating base Faces, Contour Flanges, and Contour Rolls
- Creating secondary Faces, Contour Flanges, and Contour Rolls
- Sheet metal parameters
- Creating Flanges
- Creating Hems, Folds, and Bends
- Corner Rounds and Chamfers
- Sheet Metal Cuts (Holes, Cuts, and Punch Features)
- Corner Seams (Seams and Miters)
- Generating Flat Patterns
- Lofted Flanges
- Rips
- Unfolding and Refolding
- Multi-Body Sheet Metal Modeling
- Documentation and Annotation of drawings
- Converting solid models to sheet metal models
- Sheet Metal Styles

Prerequisites

- Prior knowledge of 3D solid part modeling using the Autodesk® Inventor® software.
- Familiarity with the Microsoft® Windows® operating system.
- A background in designing and drafting 3D parts is recommended.
- Knowledge of sheet metal processing is an asset, but not required.

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