



SOLIDWORKS SHEET METAL

Lesson 1: Modeling Sheet Metal Parts

- Sheet Metal Methodology
- Designing with Sheet Metal Features
- Sheet Metal Features
- Flanges: Base Flange, Miter Flange, Edge Flanges, Tabs
- Creating Flat Patterns
- Cuts: In the Folded Model and in the Flattened Model
- Unfolding and Folding the Model
- Sheet Metal Forming Tools: Standard and Custom Tools
- Bend Angles
- Sheet Metal Parts in Drawings
- Closed Corners and Miter Flanges
- Designing in Flat
- Existing Rounds
- Relief Cuts
- Break Corner
- Jog Features
- Lofted Bends

Lesson 2: Converting Parts to Sheet Metal

- Converting Legacy Sheet Metal Parts
- Recommended Practices
- Recognize Bends Method
- Importing Neutral Files
- Using the Rip Feature
- Adding Bends in Place of Sharp Corners
- Unrolling Cones and Cylinders
- Creating Process Plans
- Configurations and Sheet Metal Parts

Lesson 3: Modeling Sheet Metal In the Context of an Assembly

- Top-Down Assembly Modeling
- In-Context Sheet Metal Parts
- Building Edge Flanges In Context
- Building Miter Flanges In Context
- Hems

Duration: 4 Days

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