

Training: SOLIDWORKS Weldments (2 days)

Prerequisites: Before taking this SOLIDWORKS training course, you must have completed the SOLIDWORKS Essentials Training.

Description: Weldments teaches you how to create welded structures with standard structural members. Weld beads are also covered.

Introduction

- About This Course

Lesson 1: Weldment Features

- Weldments
- Structural Members
- Groups vs Structural Members
- Adding Plates and Holes
- Gussets and End Caps
- Using Symmetry
- Advantages of a Multibody Part
- Limitations of a Multibody Part

Lesson 2: Working with Weldments

- Managing the Cut List
- Cut List Item Names
- Accessing Properties
- Cut-List Properties Dialog
- Structural Member Properties

- Adding Cut List Properties
- Bounding Boxes in Weldments
- Options for Generating Cut List Items
- Custom Structural Member Profiles
- Defining Material
- Creating Custom Profiles
- Standard or Configured Profiles
- Inserting Existing Parts
- When to Use an Assembly

Lesson 3: Configuring and Detailing Weldments

- Weldment Configurations
- Post-Assembly Machining Features
- Weldment Drawings
- Drawing Views of Individual Bodies
- Representing Welds

Lesson 4: Working with Bent Structural Members

- Working with Bent Structural Members
- 3D Sketching

Lesson 5: Introduction to Structure System

- Structure System
- Primary vs Secondary Members
- Secondary Members

