



Autodesk Inventor 2010 Tube and Pipe Design

Learn the fundamental principles and recommended workflows for creating and documenting rigid tubing, flexible hose, and piping systems using Autodesk® Inventor® 2010 software. Hands-on exercises representing real-world, industry-specific design scenarios are included.

Objectives

To teach users the recommended workflows and basic skills needed to design and document rigid tubing, flexible hose, and piping systems using Autodesk Inventor 2010.

Duration

2 days

Who should attend?

Experienced Autodesk Inventor users.

Pages

366

Typical Schedule

Unless otherwise noted on your class registration e-mail, this class starts each day at 9:00 am and ends at 4:00 pm.

Prerequisites

A working knowledge of the following:

- Autodesk Inventor parametric part and assembly design.
- Mechanical design validation or mechanical engineering principles (recommended but not necessary).
- Microsoft® Windows® Vista or Microsoft® Windows® XP.

Outline

Introduction to Tube and Pipe

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Setup for Routes and Runs

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- Placing Initial Fittings

Routes and Runs

- Creating Rigid Routes
- Sketching Rigid Routes
- Editing Rigid Routes
- Working with Fittings in Rigid Routes
- Flexible Hose Routes

- Leveraging Routes and Runs

Fittings and Components

- Managing Libraries
- Creating Library Content
- Managing Library Content
- Creating Tube and Pipe Styles

Documenting Tube and Pipe Assemblies

- Representing Tube and Pipe Designs
- Documenting Routes and Runs
- Exporting Tube and Pipe Design Data

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