



# Autodesk Inventor 2017 (R1): Introduction to Solid Modeling - Part 1: Autodesk Authorized Publisher

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**Note: This book is continued in *Autodesk Inventor 2017 (R1): Introduction to Solid Modeling - Part 2*.**

The *Autodesk Inventor 2017 (R1): Introduction to Solid Modeling* student guide provides you with an understanding of the parametric design philosophy through a hands-on, practice-intensive curriculum. You will learn the key skills and knowledge needed to design models using Autodesk Inventor, starting with conceptual sketching, through to solid modeling, assembly design, and drawing production.

## Topics Covered in Part 1:

- Understanding the Autodesk Inventor software interface
- Creating, constraining, and dimensioning 2D sketches
- Creating and editing the solid base 3D feature from a sketch
- Creating and editing secondary solid features that are sketched and placed
- Creating equations and working with parameters
- Manipulating the display of the model
- Resolving feature failures
- Duplicating geometry in the model

## Prerequisites

As an introductory training guide, *Autodesk Inventor 2017 (R1): Introduction to Solid Modeling* does not assume prior knowledge of any 3D modeling or CAD software. Students do need to be experienced with the Windows operating system and a background in drafting of 3D parts is recommended.

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#### **About the Author**

ASCENT develops and produces a wide range of courseware offerings, knowledge products, and courseware for the industry's leading engineering software tools from Autodesk, Dassault Systèmes, and PTC.

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