



SolidWorks 2015 Reference Guide

By David C. Planchard

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The SolidWorks 2015 Reference Guide is a comprehensive reference book written to assist the beginner to intermediate user of SolidWorks 2015. SolidWorks is an immense software package, and no one book can cover all topics for all users. This book provides a centralized reference location to address many of the tools, features and techniques of SolidWorks 2015.

This book covers the following:

- System and Document properties
- FeatureManagers
- PropertyManagers
- ConfigurationManagers
- RenderManagers
- 2D and 3D Sketch tools
- Sketch entities
- 3D Feature tools
- Motion Study
- Sheet Metal
- Motion Study
- SolidWorks Simulation
- PhotoView 360
- Pack and Go
- 3D PDFs
- Intelligent Modeling techniques
- 3D printing terminology and more

Chapter 1 provides a basic overview of the concepts and terminology used throughout this book using SolidWorks 2015 software. If you are completely new to SolidWorks, you should read Chapter 1 in detail and complete Lesson 1, Lesson 2 and Lesson 3 in the SolidWorks Tutorials.

If you are familiar with an earlier release of SolidWorks, you still might want to skim Chapter 1 to become acquainted with some of the commands, menus and features that you have not used; or you can simply jump to any section in any chapter.

Each chapter provides detailed PropertyManager information on key topics with individual stand-alone short tutorials to reinforce and demonstrate the functionality and ease of the SolidWorks tool or feature. The book provides access to over 240 models, their solutions and additional support materials. Learn by doing, not just by reading.

Formulate the skills to create, modify and edit sketches and solid features. Learn the techniques to reuse features, parts and assemblies through symmetry, patterns, copied components, design tables, configurations and more.

The book is designed to compliment the Online Tutorials and Online Help contained in SolidWorks 2015. The goal is to illustrate how multiple design situations and systematic steps combine to produce successful designs.

The author developed the tutorials by combining his own industry experience with the knowledge of engineers, department managers, professors, vendors and manufacturers. He is directly involved with SolidWorks every day and his responsibilities go far beyond the creation of just a 3D model.

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Editorial Review

About the Author

David Planchard is the founder of D&M Education LLC. Before starting D&M Education, he spent over 27 years in industry and academia holding various engineering, marketing, and teaching positions. He holds five U.S. patents. He has published and authored numerous papers on Machine Design, Product Design, Mechanics of Materials, and Solid Modeling. He is an active member of the SolidWorks Users Group and the American Society of Engineering Education (ASEE). David holds a BSME, MSM with the following professional certifications: CCAI, CCNP, CSDA, CSWSA-FEA, CSWP, CSWP-DRWT and SolidWorks Accredited Educator. David is a SolidWorks Solution Partner, an Adjunct Faculty member and the SAE advisor at Worcester Polytechnic Institute in the Mechanical Engineering department. In 2014, David's senior Major Qualifying Project team won the Provost award in Mechanical Engineering at WPI for design excellence.

David Planchard is the author of the following books:

- SolidWorks® 2015 Reference Guide, 2014, 2013, 2012, 2011, 2010, 2009 and 2008
- Drawing and Detailing with SolidWorks® 2014, 2012, 2010, 2009, 2008, 2007, 2006, 2005, 2004, 2003, 2002 and 2001/2001Plus
- Engineering Design with SolidWorks® and Video Instruction 2015, 2014, 2013, 2012, 2011, 2010, 2009, 2008, 2007, 2006, 2005, 2004, 2003, 2001Plus, 2001 and 1999
- Engineering Graphics with SolidWorks® and Video Instruction 2015, 2014, 2013, 2012, 2011, 2010
- SolidWorks® 2015 in 5 Hours with Video Instruction, 2014
- SolidWorks® Tutorial with Video Instruction 2015, 2014, 2013, 2012, 2011, 2010, 2009, 2008, 2007, 2006, 2005, 2004, 2003 and 2001/2001Plus
- Official Certified SolidWorks® Associate Examination Guide, Version 4: 2012, 2011, 2010, Version 3: 2011, 2010, 2009, Version 2: 2010, 2009, 2008, Version 1: 2007
- Official Certified SolidWorks® Professional (CSWP) Certification Guide with Video Instruction, Version 3: 2014-2012, Version 2: 2013, 2012, Version 1: 2011, 2010
- Official Guide to Certified SolidWorks Associate Exams: CSWA, CSDA, and CSWSA-FEA, Version 2: 2015-2012, Version 1: 2013, 2012
- Assembly Modeling with SolidWorks® 2012, 2010, 2008, 2006, 2005-2004, 2003 and 2001Plus
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