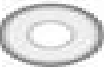


INSIDE:

Tutorial
Model Files

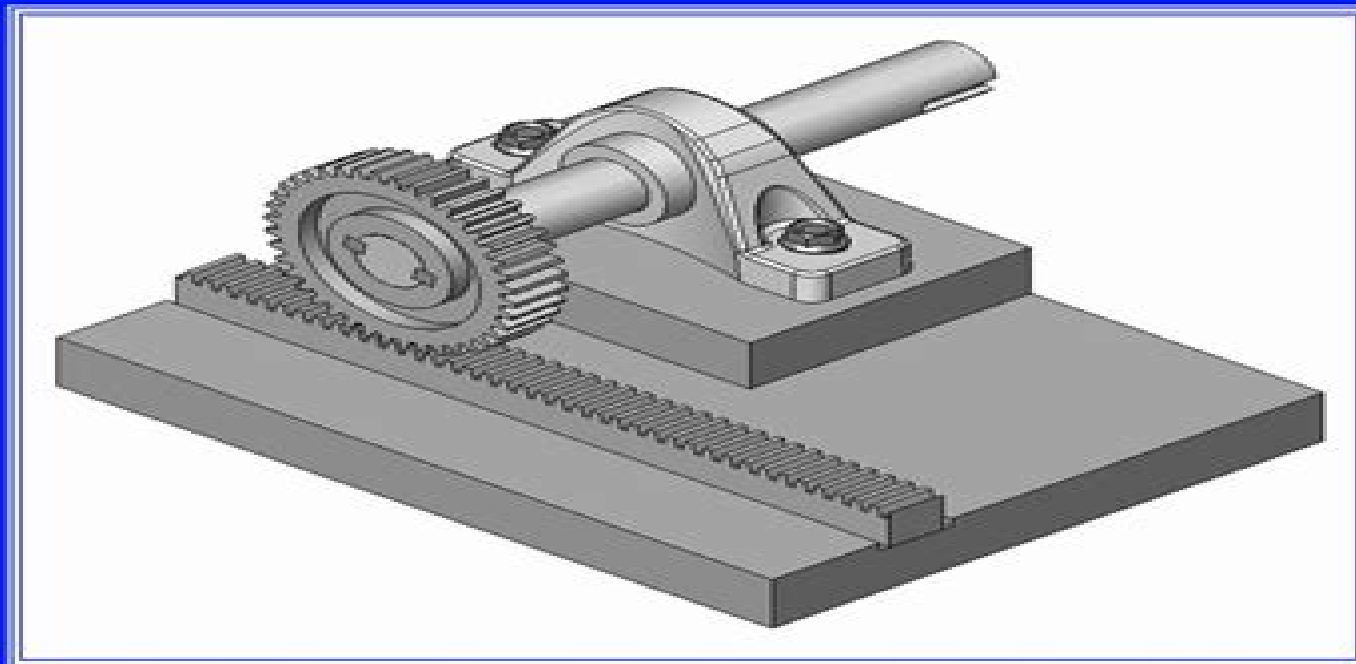


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A Commands Guide Tutorial For Solidworks 2007

David C. Planchard, Marie P. Planchard

A red circular graphic with a gradient, appearing as a partial circle or a stylized arrow pointing to the right, located to the right of the authors' names.

A Commands Guide Tutorial For Solidworks 2007:

Commands Guide Tutorial for SolidWorks 2013 David C. Planchard, Marie P. Planchard, 2012-12-27 The Commands Guide Tutorial for SolidWorks 2013 is a comprehensive reference book written to assist the beginner to intermediate user of SolidWorks 2013 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 2013 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 Sustainability Sustainability Xpress FlowXpress PhotoView 360 Pack and Go Intelligent Modeling techniques and more Chapter 1 provides a basic overview of the concepts and terminology used throughout this book using SolidWorks 2013 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 18 total 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 All models for the 240 plus tutorials are located on the enclosed book CD with their solution initial and final 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 design to compliment the Online Tutorials and Online Help contained in SolidWorks 2013 The goal is to illustrate how multiple design situations and systematic steps combine to produce successful designs The authors developed the tutorials by combining their own industry experience with the knowledge of engineers department managers professors vendors and manufacturers These professionals are directly involved with SolidWorks everyday Their responsibilities go far beyond the creation of just a 3D model

A Commands Guide Tutorial for SolidWorks 2007 David C. Planchard, Marie P. Planchard, 2007

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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 17 total 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 All models for the 230 plus tutorials are located on the enclosed CD with their solution initial and final 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 2010 The goal is to illustrate how multiple design situations and systematic steps combine to produce successful designs The authors developed the tutorials by combining their own industry experience with the knowledge of engineers department managers vendors and manufacturers These professionals are directly involved with SolidWorks everyday Their responsibilities go far beyond the creation of just a 3D model

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Planchard,2011-12-18 The Commands Guide Tutorial for SolidWorks 2012 is a comprehensive reference book written to assist the beginner to intermediate user of SolidWorks 2012 SolidWorks is an immense software package and no one book can cover all topics for all users The book provides a centralized reference location to address many of the tools features and techniques of SolidWorks 2012 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 Sustainability Sustainability Xpress FlowXpress PhotoView 360 Pack and Go Intelligent Modeling techniques and more Chapter 1 provides a basic overview of the concepts and terminology used throughout this book using SolidWorks 2012 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 18 total provides detail 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 All models for the 240 plus tutorials are located on the enclosed book CD with their solution initial and final 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 design to compliment the Online Tutorials and Online Help contained in SolidWorks 2012 The goal is to illustrate how multiple design situations and systematic steps combine to produce successful designs The authors developed the tutorials by combining their own industry experience with the knowledge of engineers department

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SolidWorks 2013 Tutorial David C. Planchard, Marie P. Planchard, 2013 SolidWorks 2013 Tutorial with Video Instruction is targeted towards a technical school two year college four year university or industry professional that is a beginner or intermediate CAD user The text provides a student who is looking for a step by step project based approach to learning SolidWorks with an enclosed 1 5 hour video instruction DVD SolidWorks model files and preparation for the CSWA exam The book is divided into two sections Chapters 1 7 explore the SolidWorks User Interface and CommandManager Document and System properties simple machine parts simple and complex assemblies design tables configurations multi sheet multi view drawings BOMs Revision tables using basic and advanced features along with Intelligent Modeling Techniques SustainabilityXpress SimulationXpress and DFMXpress Chapters 8 11 prepare you for the new Certified SolidWorks Associate Exam CSWA The CSWA certification indicates a foundation in and apprentice knowledge of 3D CAD and engineering practices and principles Follow the step by step instructions and develop multiple assemblies that combine over 100 extruded machined parts and components 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 and configurations Learn by doing not just by reading Desired outcomes and usage competencies are listed for each chapter Know your objective up front Follow the steps in each chapter to achieve your design goals Work between multiple documents features commands custom properties and document properties that represent how engineers and designers utilize SolidWorks in industry Official Guide to Solidworks Associate Exams David Planchard, 2012-11-14

The Official Guide to Certified SolidWorks Associate Exams CSWA CSDA and CSWSA FEA is written to assist the SolidWorks user to pass the associate level exams Information is provided to aid a person to pass the Certified SolidWorks Associate CSWA Certified Sustainable Design Associate CSDA and the Certified SolidWorks Simulation Associate Finite Element Analysis CSWSA FEA exams There are three goals for this book The primary goal is not only to help you pass the CSWA CSDA and CSWSA FEA exams but also to ensure that you understand and comprehend the concepts and implementation details of the three certification processes The second goal is to provide the most comprehensive coverage of CSWA CSDA and CSWSA FEA exam related topics available without too much coverage of topics not on the exam The third and ultimate goal is to get you from where you are today to the point that you can confidently pass the CSWA CSDA and the CSWSA FEA exam The Certified SolidWorks Associate CSWA certification indicates a foundation in and apprentice knowledge of 3D CAD design and engineering practices and principles Passing this exam provides students the chance to prove their knowledge and expertise and to be part of a worldwide industry certification standard The Certified Sustainable Design Associate CSDA certification indicates a foundation in and apprentice knowledge of demonstrating an understanding in the principles of environmental assessment and sustainable design The Certified SolidWorks Simulation Associate Finite Element Analysis CSWSA FEA certification indicates a foundation in and apprentice knowledge of demonstrating an understanding in the principles of stress analysis and finite element analysis SolidWorks 2012 or higher is required to take the exam CSWA Exam Audience The intended audience for this book trying to take and pass the CSWA exam is anyone with a minimum of 6 9 months of SolidWorks experience and basic knowledge of engineering fundamentals and practices SolidWorks recommends that you review their SolidWorks Tutorials on Parts Assemblies Drawings as a prerequisite and have at least 45 hours of classroom time learning SolidWorks or using SolidWorks with basic engineering design principles and practices CSDA Exam Audience The intended audience for this book trying to take and pass the CSDA exam is anyone interested in Sustainable design and life cycle assessment Although no hands on usage of SolidWorks is required for the CSDA certification exam it is a good idea to review the SolidWorks SustainabilityXpress and SolidWorks Sustainability tutorials inside of SolidWorks to better understand the actual workflow CSWSA FEA Exam Audience The intended audience for this book trying to take and pass the CSWSA FEA exam is anyone with a minimum of 6 9 months of SolidWorks experience and knowledge in the following areas Engineering Mechanics Statics Strength of Materials Finite Element Method Finite Element Analysis Theory Applied

concepts in SolidWorks Simulation namely Static Analysis Solid Shell and Beam elements Connections and Applying loads and boundary conditions and interpreting results The purpose of this section in the book is NOT to educate a new or intermediate user on SolidWorks Simulation but to cover and to inform you on the required understanding types of questions layout and what to expect when taking the CSWSA FEA exam Engineering Graphics with SolidWorks 2013 and Video Instruction David Planchard,Marie Planchard,2013-02-18 Engineering Graphics with SolidWorks 2013 and Video Instruction DVD is written to assist technical school two year college four year university instructor student or industry professional that is a beginner or intermediate SolidWorks user The book combines the fundamentals of engineering graphics and dimensioning practices with a step by step project based approach to learning SolidWorks with the enclosed 1 5 hour Video Instruction DVD Learn by doing not just by reading The book is divided into two parts Engineering Graphics and SolidWorks 3D CAD software In Chapter 1 through Chapter 3 you explore the history of engineering graphics manual sketching techniques orthographic projection isometric projection multi view drawings dimensioning practices and the history of CAD leading to the development of SolidWorks In Chapter 4 through Chapter 8 you apply engineering graphics fundamentals and learn the SolidWorks User Interface Document and System properties simple parts simple and complex assemblies design tables configurations multi sheet multi view drawings Bill of Materials Revision tables basic and advanced features Follow the step by step instructions in over 70 activities to develop eight parts four sub assemblies three drawings and six document templates Formulate the skills to create and modify solid features to model a 3D FLASHLIGHT assembly Chapter 9 provides a bonus section on the Certified SolidWorks Associate CSWA program with sample exam questions and initial and final SolidWorks models Passing the CSWA exam proves to employers that you have the necessary fundamental engineering graphics and SolidWorks competencies Review individual features commands and tools for each project with the book s 1 5 hour Video Instruction DVD and SolidWorks Help The chapter exercises analyze and examine usage competencies based on the project objectives The book is designed to complement the SolidWorks Tutorials located in the SolidWorks Help menu Each section explores the SolidWorks Online User s Guide to build your working knowledge of SolidWorks Desired outcomes and usage competencies are listed for each project Know your objectives up front Follow the step by step procedures to achieve your design goals Work between multiple documents features commands and properties that represent how engineers and designers utilize SolidWorks in industry The authors developed the industry scenarios by combining their own industry experience with the knowledge of engineers department managers vendors and manufacturers These professionals are directly involved with SolidWorks every day Their responsibilities go far beyond the creation of just a 3D model

Engineering Design with SolidWorks 2013 and Video Instruction David C. Planchard,Marie P. Planchard,2013 Engineering Design with SolidWorks 2013 and Video Instruction is written to assist students designers engineers and professionals The book provides a solid foundation in SolidWorks by utilizing projects with step by step instructions for the

beginner to intermediate SolidWorks user Explore the user interface CommandManager menus toolbars and modeling techniques to create parts assemblies and drawings in an engineering environment Follow the step by step instructions and develop multiple parts and assemblies that combine machined plastic and sheet metal components 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 Bills of Materials Custom Properties and Configurations Address various SolidWorks analysis tools SimulationXpress Sustainability SustainabilityXpress and DFMXpress and Intelligent Modeling techniques Learn by doing not just by reading Desired outcomes and usage competencies are listed for each project Know your objective up front Follow the steps in Project 1 8 to achieve the design goals Work between multiple documents features commands and custom properties that represent how engineers and designers utilize SolidWorks in industry Review individual features commands and tools with the enclosed Video Instruction DVD The projects contain exercises The exercises analyze and examine usage competencies Collaborate with leading industry suppliers such as SMC Corporation of America Boston Gear and 80 20 Inc Collaborative information translates into numerous formats such as paper drawings electronic files rendered images and animations On line intelligent catalogs guide designers to the product that meets both their geometric requirements and performance functionality The authors developed the industry scenarios by combining their own industry experience with the knowledge of engineers department managers vendors and manufacturers These professionals are directly involved with SolidWorks every day Their responsibilities go far beyond the creation of just a 3D model The book is design to compliment the SolidWorks Tutorials contained in SolidWorks 2013 There are over 2 5 hours of video instructions on the enclosed DVD SolidWorks 2012 Tutorial David C. Planchard, Marie P. Planchard, 2012

SolidWorks 2012 Tutorial with Video Instruction is target towards a technical school two year college four year university or industry professional that is a beginner or intermediate CAD user The text provides a student who is looking for a step by step project based approach to learning SolidWorks with an enclosed 1 5 hour video instruction DVD SolidWorks model files and preparation for the CSWA exam The book is divided into two sections Chapters 1 7 explore the SolidWorks User Interface and CommandManager Document and System properties simple machine parts simple and complex assemblies design tables configurations multi sheet multi view drawings BOMs Revision tables using basic and advanced features along with Intelligent Modeling Techniques SustainabilityXpress SimulationXpress and DFMXpress Chapters 8 11 prepare you for the new Certified SolidWorks Associate Exam CSWA The CSWA certification indicates a foundation in and apprentice knowledge of 3D CAD and engineering practices and principles Follow the step by step instructions and develop multiple assemblies that combine over 100 extruded machined parts and components 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 and configurations Learn by doing not just by reading Desired outcomes and usage competencies

are listed for each chapter Know your objective up front Follow the steps in each chapter to achieve your design goals Work between multiple documents features commands custom properties and document properties that represent how engineers and designers utilize SolidWorks in industry

Assembly Modeling with SolidWorks 2012 David C. Planchard, Marie P. Planchard, 2012-06-25 Assembly Modeling with SolidWorks 2012 is written to assist the beginning SolidWorks user with a few months of design experience to the intermediate SolidWorks user who desires to enhance their skill sets in assembly modeling The book provides a solid foundation in assembly modeling using competency based projects In step by step instructions the book provides examples to Start a SolidWorks session and to understand the following interfaces Menu bar toolbar Menu bar menu Drop down menus Context toolbars Consolidated drop down toolbars System feedback icons Confirmation Corner Heads up View toolbar CommandManager and more Set System Options and Document Properties as they apply to a part and assembly template Create new SolidWorks folder locations Document Templates Reference Documents and Design Library Download components from 3D ContentCentral and rename and save components using SolidWorks Explorer Apply the Bottom up assembly approach with two levels of configurations using the Configure Component tool the Configure Dimension tool Design Tables and the Add Configuration tool Create new parts based on component features utilizing the Bottom up assembly approach Apply Standard Mates SmartMates and the Design Library Toolbox Apply the Top down assembly approach with two levels of configurations with In Context components Understand the following Out of Context components External References InPlace Mates redefining and replacing components and motion studies Apply the Derived Feature Component Pattern tool Linear Component Pattern tool and the Mirror Component tool along with the Explode Line Sketch tool Create a multi sheet multi view assembly drawing Knowledge of Custom Properties in a part assembly and linked notes with the ability to incorporate configurations of an Exploded view Bill of Materials Revision tables and more Address the Layout based assembly approach and Global Variables and Equations to control relationships Each chapter begins with the desired outcomes and usage competencies Explore assembly modeling techniques through a series of design situations industry scenarios projects and objectives Chapter 9 provides a bonus section on the Certified SolidWorks Associate CSWA program with sample exam questions and initial and final SolidWorks models Passing the CSWA exam proves to employers that you have the necessary fundamental engineering graphics and SolidWorks competencies The book compliments and enhances the SolidWorks Tutorials Although over 150 SolidWorks tools and commands are utilized in Assembly Modeling with SolidWorks 2012 the book is not a reference guide The book is a self paced tutorial in a realistic design setting Complex models expose you to large assembly modeling techniques You focus on the design process while learning the commands relative to assemblies To obtain the most from this text you should be familiar with the SolidWorks User Interface or other parametric modeling software application Your skill sets should include the ability to create simple parts assemblies and drawings and manipulate documents through the Windows operating system

The authors developed the industry scenarios by combining their own industry experience with the knowledge of engineers department managers vendors and manufacturers These professionals are directly involved with SolidWorks everyday They create assemblies with thousands of components and drawings with hundreds of sheets Their responsibilities go far beyond the creation of just a 3D model **Engineering Graphics with SolidWorks 2012** David Planchard,Marie

Planchard,2012-03-12 Engineering Graphics with SolidWorks 2012 and Video Instruction DVD is written to assist technical school two year college four year university instructor student or industry professional that is a beginner or intermediate SolidWorks user The book combines the fundamentals of engineering graphics and dimensioning practices with a step by step project based approach to learning SolidWorks with the enclosed 1 5 hour Video Instruction DVD Learn by doing not just by reading The book is divided into two parts Engineering Graphics and SolidWorks 3D CAD software In Chapter 1 through Chapter 3 you explore the history of engineering graphics manual sketching techniques orthographic projection isometric projection multi view drawings dimensioning practices and the history of CAD leading to the development of SolidWorks In Chapter 4 through Chapter 8 you apply engineering graphics fundamentals and learn the SolidWorks User Interface Document and System properties simple parts simple and complex assemblies design tables configurations multi sheet multi view drawings Bill of Materials Revision tables basic and advanced features Follow the step by step instructions in over 70 activities to develop eight parts four sub assemblies three drawings and six document templates Formulate the skills to create and modify solid features to model a 3D FLASHLIGHT assembly Chapter 9 provides a bonus section on the Certified SolidWorks Associate CSWA program with sample exam questions and initial and final SolidWorks models Passing the CSWA exam proves to employers that you have the necessary fundamental engineering graphics and SolidWorks competencies Review individual features commands and tools for each project with the book s 1 5 hour Video Instruction DVD and SolidWorks Help The chapter exercises analyze and examine usage competencies based on the project objectives The book is designed to compliment the SolidWorks Tutorials located in the SolidWorks Help menu Each section explores the SolidWorks Online User s Guide to build your working knowledge of SolidWorks Desired outcomes and usage competencies are listed for each project Know your objectives up front Follow the step by step procedures to achieve your design goals Work between multiple documents features commands and properties that represent how engineers and designers utilize SolidWorks in industry The authors developed the industry scenarios by combining their own industry experience with the knowledge of engineers department managers vendors and manufacturers These professionals are directly involved with SolidWorks everyday Their responsibilities go far beyond the creation of just a 3D model Official Certified SolidWorks Professional (CSWP) Certification Guide and Video Instruction David Planchard,Marie Planchard,2013-03-18 This book along with the companion disc that accompanies it will provide you with a wealth of information about the three segments of the CSWP CORE exam The intended audience for this book is a person who has passed the CSWA exam and who has eight or

more months of SolidWorks training and usage This guide is not intended to teach you how to use SolidWorks but is written to provide you with CSWP exam tips hints and information on sample questions and categories that are aligned with the exam This guide is written to help you take and pass the CSWP exam This book comes with a companion DVD containing segment videos for you to follow while you use the book Each segment video provides valuable information tips and tricks to successfully pass the CSWP CORE exam SolidWorks model files in both their initial and final state are provided on this DVD for both SolidWorks 2012 and 2013 The book is organized into three chapters Each chapter is focused on a segment of the CSWP CORE exam This is not intended to be a step by step book Official Certified SolidWorks Associate (CSWA) Examination Guide David C. Planchard, Marie P. Planchard, 2011-03-11 Most CAD professionals today recognize the need to become certified to prove their skills prepare for new job searches and to learn new skills while at their existing job Specifying a Certified SolidWorks Associate CSWA certification on your resume is a great way to increase your chances of landing a new job getting a promotion or looking more qualified when representing your company on a consulting job The primary goal of this book is not only to help you pass the CSWA exam but also to ensure that you understand and comprehend the concepts and implementation details of the CSWA process The second goal is to provide the most comprehensive coverage of CSWA exam related topics available without too much coverage of topics not on the exam The third and ultimate goal is to get you from where you are today to the point that you can confidently pass the CSWA exam DS SolidWorks Corp offers various stages of certification Each stage represents increasing levels of expertise in 3D CAD design as it applies to engineering Certified SolidWorks Associate CSWA Certified SolidWorks Professional CSWP and Certified SolidWorks Expert CSWE along with specialty fields in Simulation Sheet Metal and Surfacing The CSWA Certification indicates a foundation in and apprentice knowledge of 3D CAD design and engineering practices and principles The main requirement for obtaining the CSWA certification is to take and pass the on line proctored 180 minute exam minimum of 165 out of 240 points The new CSWA exam consists of fourteen questions in five categories Passing this exam provides students the chance to prove their knowledge and expertise and to be part of a worldwide industry certification standard

Engineering Design with SolidWorks 2012 David C. Planchard, Marie P. Planchard, 2012-01-23 Engineering Design with SolidWorks 2012 is written to assist students designers engineers and professionals The book provides a solid foundation in SolidWorks by utilizing projects with step by step instructions for the beginning to intermediate SolidWorks user Explore the user interface CommandManager menus toolbars and modeling techniques to create parts assemblies and drawings in an engineering environment Follow the step by step instructions and develop multiple parts and assemblies that combine machined plastic and sheet metal components 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 Bills of Materials Custom Properties and Configurations Address various SolidWorks analysis tools SimulationXpress

Sustainability SustainabilityXpress and DFMXpress and Intelligent Modeling techniques Learn by doing not just by reading Desired outcomes and usage competencies are listed for each project Know your objective up front Follow the steps in Projects 1 8 to achieve the design goals Work between multiple documents features commands and custom properties that represent how engineers and designers utilize SolidWorks in industry Review individual features commands and tools with the enclosed multimedia DVD The projects contain exercises The exercises analyze and examine usage competencies Collaborate with leading industry suppliers such as SMC Corporation of America Boston Gear and 80 20 Inc Collaborative information translates into numerous formats such as paper drawings electronic files rendered images and animations On line intelligent catalogs guide designers to the product that meets both their geometric requirements and performance functionality The authors developed the industry scenarios by combining their own industry experience with the knowledge of engineers department managers vendors and manufacturers These professionals are directly involved with SolidWorks everyday Their responsibilities go far beyond the creation of just a 3D model The book is designed to compliment the SolidWorks Tutorials contained in SolidWorks 2012

Drawing and Detailing With Solidworks 2012 David Planchard,Marie Planchard,2012-05-11 Drawing and Detailing with SolidWorks 2012 is written to educate and assist students designers engineers and professionals in the drawing and detailing tools of SolidWorks Explore the learning process through a series of design situations industry scenarios projects and objectives target towards the beginning to intermediate SolidWorks user Work through numerous activities to create multiple view multiple sheet detailed drawings and assembly drawings Develop Drawing templates Sheet formats and Custom Properties Construct drawings that incorporate part configurations assembly configurations and design tables with equations Manipulate annotations in parts drawings assemblies Revision tables Bills of Materials and more Apply your drawing and detailing knowledge to over thirty exercises The exercises test your usage competency as well as explore additional topics with industry examples Advanced exercises require the ability to create parts and assemblies Drawing and Detailing with SolidWorks 2012 is not a reference book for all drafting and drawing techniques and tools The book provides information and examples in the following areas History of engineering graphics manual sketching techniques orthographic projection isometric projection multi view drawings dimensioning practices fasteners in general tolerance and fit and the history of CAD leading to the development of SolidWorks Start a SolidWorks 2012 session and to understand the following interfaces Menu bar toolbar Menu bar menu Drop down menus Context toolbars Consolidated drop down toolbars System feedback icons Confirmation Corner Heads up View toolbar Document Properties and more Apply Document Properties to reflect the ASME Y14 Engineering Drawing and related Drawing Practices Import an AutoCAD file as a Sheet format Insert SolidWorks System Properties and Custom Properties Create new SolidWorks Document tabs Create multi sheet drawings from various part configurations and develop the following drawing views Standard Isometric Auxiliary Section Broken Section Detail Half Section Cut away Crop

Projected Back with a Bill of Materials and a Revision Table and Revisions Insert and edit Dimensions Feature Control Frames Datums Geometric Tolerancing Surface Finishes and Weld Symbols using DimXpert and manual techniques Create apply and save Blocks and Parametric Notes in a drawing Chapter 10 provides a bonus section on the Certified SolidWorks Associate CSWA program with sample exam questions and initial and final SolidWorks models The book is designed to compliment the SolidWorks Users Guide SolidWorks Reference Guide Standards Engineering Drawing Design and Graphics Communications reference books The authors recognize that companies utilize additional drawing standards The authors developed the industry scenarios by combining industry experience with their knowledge of engineers sales vendors and manufacturers These professionals are directly involved with SolidWorks everyday Their work goes far beyond a simple drawing with a few dimensions They create detailed drawings assembly drawings marketing drawings and customer drawings SolidWorks users work between drawings parts assemblies and many other documents to complete a project on time

SolidWorks 2011 Tutorial David C. Planchard, Marie P. Planchard, 2011-02-11 SolidWorks 2011 Tutorial with Multimedia CD is target towards a technical school two year college four year university or industry professional that is a beginner or intermediate CAD user The text provides a student who is looking for a step by step project based approach to learning SolidWorks with an enclosed 1 5 hour Multi media CD SolidWorks model files and preparation for the CSWA exam The book is divided into two sections Chapters 1 7 explore the SolidWorks User Interface and CommandManager Document and System properties simple machine parts simple and complex assemblies design tables configurations multi sheet multiview drawings BOMs Revision tables using basic and advanced features along with Intelligent Modeling Techniques SustainabilityXpress SimulationXpress and DFMXpress Chapters 8 11 prepare you for the new Certified SolidWorks Associate Exam CSWA that was released this year The CSWA certification indicates a foundation in and apprentice knowledge of 3D CAD and engineering practices and principles Follow the step by step instructions and develop multiple assemblies that combine over 100 extruded machined parts and components 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 and configurations Learn by doing not just by reading Desired outcomes and usage competencies are listed for each chapter Know your objective up front Follow the steps in each chapter to achieve your design goals Work between multiple documents features commands custom properties and document properties that represent how engineers and designers utilize SolidWorks in industry

SolidWorks 2010 Tutorial David C. Planchard, Marie P. Planchard, 2010 Provides an introduction to SolidWorks 2010 through step by step tutorials that cover such topics as linkage assembly front support assembly the fundamentals of drawing and pneumatic test module assembly

Engineering Graphics with SolidWorks 2011 David C. Planchard, Marie P. Planchard, 2011 Provides an introduction to engineering graphics design using SolidWorks 2010 through step by step tutorials that cover such topics as part modeling assembly modeling drawing

revolve features and dimensioning

Drawing and Detailing with SolidWorks 2007 David C. Planchard, Marie P.

Planchard, 2007 Drawing and Detailing with SolidWorks 2007 is written to educate and assist students designers engineers and professionals in the following areas A solid foundation using SolidWorks Drawing Options and SolidWorks Detailing Options Applying Engineering drawing standards and practices using SolidWorks tools Building multiple part and assembly configurations that interact with drawings Bill of Materials and Design Tables A comprehensive understanding of the differences between Drawing Templates and Sheet Formats Increase SolidWorks functionality to create view types with various configurations Combine a series of SolidWorks tools to solve a specific problem using Custom Properties and SolidWorks Properties The book utilizes a competency based approach on five projects Real world parts projects and tasks are addressed Commands are presented in a step by step progressive approach The learning process is explored through a series of design situations industry scenarios projects and objectives Table of Contents Introduction 1 Drawing Template and Sheet Format 2 Drawing View 3 Fundamentals of Detailing 4 Assembly Drawing 5 Applied Geometric Tolerancing and Other Symbols Appendix Index

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Table of Contents A Commands Guide Tutorial For Solidworks 2007

1. Understanding the eBook A Commands Guide Tutorial For Solidworks 2007
 - The Rise of Digital Reading A Commands Guide Tutorial For Solidworks 2007
 - Advantages of eBooks Over Traditional Books
2. Identifying A Commands Guide Tutorial For Solidworks 2007
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an A Commands Guide Tutorial For Solidworks 2007
 - User-Friendly Interface
4. Exploring eBook Recommendations from A Commands Guide Tutorial For Solidworks 2007
 - Personalized Recommendations
 - A Commands Guide Tutorial For Solidworks 2007 User Reviews and Ratings
 - A Commands Guide Tutorial For Solidworks 2007 and Bestseller Lists

5. Accessing A Commands Guide Tutorial For Solidworks 2007 Free and Paid eBooks
 - A Commands Guide Tutorial For Solidworks 2007 Public Domain eBooks
 - A Commands Guide Tutorial For Solidworks 2007 eBook Subscription Services
 - A Commands Guide Tutorial For Solidworks 2007 Budget-Friendly Options
6. Navigating A Commands Guide Tutorial For Solidworks 2007 eBook Formats
 - ePub, PDF, MOBI, and More
 - A Commands Guide Tutorial For Solidworks 2007 Compatibility with Devices
 - A Commands Guide Tutorial For Solidworks 2007 Enhanced eBook Features
7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of A Commands Guide Tutorial For Solidworks 2007
 - Highlighting and Note-Taking A Commands Guide Tutorial For Solidworks 2007
 - Interactive Elements A Commands Guide Tutorial For Solidworks 2007
8. Staying Engaged with A Commands Guide Tutorial For Solidworks 2007
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers A Commands Guide Tutorial For Solidworks 2007
9. Balancing eBooks and Physical Books A Commands Guide Tutorial For Solidworks 2007
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection A Commands Guide Tutorial For Solidworks 2007
10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
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