# SolidWorks Quick Reference

# **Keyboard Shortcuts**

Rotate horizontally or vertically	Arrows
Rotate 90*	Shift+arrow
Rotate about screen center	Alt+arrow
Pan	Ctrl+arrow
Zoom in/out	Shift+Z/z
Previous view	Ctrl+Shift+Z
Front	Ctrl+1
Left	Ctrl+3
Тор	Ctrl+5
Isometric	Ctrl+7
Normal To	Ctrl+8
Orientation dialog	Spacebar
Zoom to fit	F
Middle-mouse controls	Wheel down/up to zoom in/out
Toggle Selection Filter Toolbar	FS .
Toggle Selection Filters	F6
Filter Edges	E
Filter Vertices	٧
Filter Faces	X
Select/rename in FeatureManager	F2
Rebuild model	Ctrl+8
Copy/paste features or entities	Ctrl+c/Ctrl+v/ Ctrl-drag
Delete features or entities	<delete></delete>
Snap to min/max of arcs	Shift (while dimensioning)

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# FeatureManager Design Tree

#### Status Indicators

- Over defined (+)
- Under defined (-)
- Not solved co.
- (0) Fixed
- Lightweight

Out-of-date lightweight

#### External References:

- Reference present
- Out of context
- ->" Locked
- ->x Broken

#### Assembly Mates:

- Ø.
- References present
- References missing
- Suppressed
- PDMWorks Documents:
- Checked out to you
- Checked out to another
- Open in SolidWorks
- In memory, not open
- New document or reference
- Vault and local copies equal
- Newer copy in local view
- Newer copy in vault 0
- Document not in vault

#### Display Pane

Click at the top of the FeatureManager to expand the Display Panel.

#### Hide/Show Component:





#### Display Mode:

- Wireframe
- Hidden lines
- No hidden lines
- Shaded with edges
- Shaded

# Color:

- A Part color
- Override color

#### Texture:

- A Part texture
- Override texture

# **Solidworks Quick Reference Guide**

**Marco Cascella** 

#### **Solidworks Quick Reference Guide:**

SOLIDWORKS 2020 Reference Guide David Planchard, 2019-12 A comprehensive reference book for SOLIDWORKS 2020 Contains 260 plus standalone tutorials Starts with a basic overview of SOLIDWORKS 2020 and its new features Tutorials are written for each topic with new and intermediate users in mind Includes access to each tutorial s initial and final state Contains a chapter introducing you to 3D printing The SOLIDWORKS 2020 Reference Guide is a comprehensive reference book written to assist the beginner to intermediate user of SOLIDWORKS 2020 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 2020 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 2020 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 260 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 complement the Online Tutorials and Online Help contained in SOLIDWORKS 2020 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 SOLIDWORKS 2019 Reference Guide David Planchard, 2018-12-05 The SOLIDWORKS 2019 Reference Guide is a comprehensive reference book written to assist the beginner to intermediate user of SOLIDWORKS 2019 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 2019 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

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Online Help contained in SOLIDWORKS 2018 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 Reference Guide David Planchard, 2017 The SOLIDWORKS 2017 Reference Guide is a comprehensive reference book written to assist the beginner to intermediate user of SOLIDWORKS 2017 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 2017 This book covers the following System and Document propertiesFeatureManagersPropertyManagersConfigurationManagersRenderManagers2D and 3D Sketch toolsSketch entities3D Feature toolsMotion StudySheet MetalMotion StudySOLIDWORKS SimulationPhotoView 360Pack and Go3D PDFsIntelligent Modeling techniques3D printing terminology and more Chapter 1 provides a basic overview of the concepts and terminology used throughout this book using SOLIDWORKS 2017 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 250 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 2017 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 SolidWorks 2016 Reference Guide David Planchard, 2015-12-16 The SOLIDWORKS 2016 Reference Guide is a comprehensive reference book written to assist the beginner to intermediate user of SOLIDWORKS 2016 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 2016 This book covers the following System and Document propertiesFeatureManagersPropertyManagersConfigurationManagersRenderManagers2D and 3D Sketch toolsSketch entities3D Feature toolsMotion StudySheet MetalMotion StudySolidWorks SimulationPhotoView 360Pack and Go3D

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of SOLIDWORKS and covers the creation of parts assemblies and drawings Every lesson and exercise in this book was created based on real world projects Each of these projects have been broken down and developed into easy and comprehensible steps for the reader Furthermore at the end of every chapter there are self test questionnaires to ensure that the reader has gained sufficient knowledge from each section before moving on to more advanced lessons This book takes the approach that in order to understand SOLIDWORKS inside and out the reader should create everything from the beginning and take it step by step SOLIDWORKS 2016 Advanced Techniques Paul Tran, 2016-05 SOLIDWORKS 2016 Advanced Techniques picks up where SOLIDWORKS 2016 Intermediate Skills leaves off Its aim is to take you from an intermediate user with a basic understanding of SOLIDWORKS and modeling techniques to an advanced user capable of creating complex models and able to use the advanced tools provided by SOLIDWORKS The text covers parts surfaces SimulationXpress sheet metal top down assemblies and core and cavity molds Every lesson and exercise in this book was created based on real world projects Each of these projects have been broken down and developed into easy and comprehensible steps for the reader Furthermore at the end of every chapter there are self test questionnaires to ensure that the reader has gained sufficient knowledge from each section before moving on to more advanced lessons This book takes the approach that in order to understand SOLIDWORKS inside and out the reader should create everything from the SolidWorks 2015 Part II - Advanced Techniques Paul Tran, 2014-12-12 SolidWorks beginning and take it step by step 2015 Part II Advanced Techniques picks up where SolidWorks 2015 Part I Basic Tools leaves off Its aim is to take you from an intermediate user with a basic understanding of SolidWorks and modeling techniques to an advanced user capable of creating complex models and able to use the advanced tools provided by SolidWorks The text covers parts surfaces SimulationXpress sheet metal top down assemblies and core and cavity molds Every lesson and exercise in this book was created based on real world projects Each of these projects have been broken down and developed into easy and comprehensible steps for the reader Furthermore at the end of every chapter there are self test questionnaires to ensure that the reader has gained sufficient knowledge from each section before moving on to more advanced lessons This book takes the approach that in order to understand SolidWorks inside and out the reader should create everything from the beginning and take it step by step Who this book is for This book is for the intermediate user who has already completed the Part I Basic Tools book or someone who is very familiar with the SolidWorks Program and its add ins SolidWorks 2013 Part I -Basic Tools Paul Tran, 2013 SolidWorks 2013 Part I Basic Tools introduces new users to the SolidWorks interface SolidWorks tools and basic modeling techniques It provides readers with a strong understanding of SolidWorks and covers the creation of parts assemblies and drawings Every lesson and exercise in this book was created based on real world projects Each of these projects have been broken down and developed into easy and comprehensible steps for the reader Furthermore at the end of every chapter there are self test questionnaires to ensure that the reader has gained sufficient knowledge from each

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features that SOLIDWORKS 2020 has to offer will also find this book to be a great resource SolidWorks 2012 Part I Basic Tools introduces new users to the SolidWorks interface SolidWorks tools and basic modeling techniques It provides readers with a strong understanding of SolidWorks and covers the creation of parts assemblies and drawings Every lesson and exercise in this book was created based on real world projects Each of these projects have been broken down and developed into easy and comprehensible steps for the reader Furthermore at the end of every chapter there are self test questionnaires to ensure that the reader has gained sufficient knowledge from each section before moving on to more advanced lessons This book takes the approach that in order to understand SolidWorks inside and out the reader should create everything from the beginning and take it step by step

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SOLIDWORKS 2017 Advanced Techniques Paul Tran,2016-12 SOLIDWORKS 2017 Advanced Techniques picks up where SOLIDWORKS 2017 Intermediate Skills leaves off Its aim is to take you from an intermediate user with a basic understanding of SOLIDWORKS and modeling techniques to an advanced user capable of creating complex models and able to use the advanced tools provided by SOLIDWORKS The text covers parts surfaces SimulationXpress sheet metal top down assemblies and core and cavity molds Every lesson and exercise in this book was created based on real world projects Each of these projects have been broken down and developed into easy and comprehensible steps Furthermore at the end of every chapter there are self test questionnaires to ensure that you have gained sufficient knowledge from each section before moving on to more advanced lessons This book takes the approach that in order to understand SOLIDWORKS inside and out you should create everything from the beginning and take it step by step \*\*Certified SOLIDWORKS 2017 Professional Advanced Preparation Material\*\* Paul Tran,2016-12-08 The CSWPA is a set of exams designed to demonstrate your advanced abilities in five distinct areas of SOLIDWORKS By passing the CSWPA exams you prove to potential employers that you have an advanced skill set within SOLIDWORKS and you become more desirable in the job market Certified SOLIDWORKS Professional Advanced Preparation Material is intended for the SOLIDWORKS user who has already passed the CSWP exam

and is ready to advance to the next level This book covers the five CSWPA examinations Sheet Metal Weldments Surfacing Mold Tools and Drawing Tools The lessons in this book were created based on the actual CSWPA Examinations Each of these projects have been broken down and developed into easy and comprehendible steps for the reader Every challenge is explained very clearly in short chapters ranging from 30 to 50 pages Each step comes with a screen shot to help you understand the main concept of each design more easily Learn the CSWP Advanced Preparation Materials at your own pace as you progress from Parts Assemblies Drawings and then to more complex design challenges To get the most out of this CSWPA Certification Preparation book it is strongly recommended that you have studied and completed all the lessons in the Basic Tools Intermediate Skills and Advanced Techniques books It is also a great resource for the more CAD literate individuals who want to expand their knowledge of the different features that SOLIDWORKS 2017 has to offer This book is a great resource to prepare for and pass the CSWPA exams which will prove your expertise and further your career After completing at least four of the five CSWPA exams you will become eligible to try for the highest level SOLIDWORKS certification the Certified SOLIDWORKS Expert SolidWorks 2015 Part I - Basic Tools Paul Tran, 2014-12-12 SolidWorks 2015 Part I Basic Tools introduces new users to the SolidWorks interface SolidWorks tools and basic modeling techniques It provides readers with a strong understanding of SolidWorks and covers the creation of parts assemblies and drawings Every lesson and exercise in this book was created based on real world projects Each of these projects have been broken down and developed into easy and comprehensible steps for the reader Furthermore at the end of every chapter there are self test questionnaires to ensure that the reader has gained sufficient knowledge from each section before moving on to more advanced lessons This book takes the approach that in order to understand SolidWorks inside and out the reader should create everything from the beginning and take it step by step Who this book is for This book is for the beginner who is not familiar with the SolidWorks program and its add ins

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