

Beginner's Guide to SolidWorks® 2013 - Level II

Sheet Metal, Top Down Design, Weldments, Surfacing and Molds



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Table of Contents

<i>Introduction</i>	1
<i>Multi Body Parts, Sketch Editing and Other Tools</i>	3
Multi Body Parts	5
Contour Selection	37
Part Editing	45
Equations	71
<i>Top Down Design and Sheet Metal</i>	87
Understanding Top Down Design	89
More about external references	103
Sheet Metal and Top Down Design	107
Sheet Metal Drawings	177
Sheet Metal Locker Top Down Design	183
<i>3D Sketch and Weldments</i>	255
3D Sketch	257
Weldments	279
Structural Member Libraries	321
<i>Surfacing and Mold Tools</i>	329
Surface Modeling	331
Master Model	353
More about Surfaces	371
Mold Tools	383
<i>Final Comments</i>	459
<i>Index</i>	461

List of commands introduced in each chapter. Note that many commands are used extensively in following chapters after they have been learned.

Multi Body Parts

Multi Body
Local Operations
Hide/Show Body
Merge
Feature Scope
Delete Body
Body Pattern
Combine Bodies
 Add
 Subtract
 Common
Bodies to keep
Offset from Surface
Sketch Picture

Contour Selection

Regions available
Contour Selection
Shared Sketch
Start From: Condition

Part Editing

What's Wrong
Parent/Child relations
Sketch Editing
Dangling Relations
Delete Absorbed
 Features
Sketch Relations
Over Defined Sketch
Not Solved Sketch
SketchXpert
View Sketch Relations

Equations

Rename Dimensions
Pattern Seed Only
Add Equations
Edit Equations
Delete Equations
Link Values

Top Down Design

New Part
Edit In Context
Assembly Transparency
Internal Part
Externalize Part
Edit Assembly
External References
 In Context
 Out of Context
 Locked
 Broken
List External References

Sheet Metal and Top Down Design

Base Flange
Sheet Metal Thickness
Bend Radius
Bend Allowance
Bend Deduction
K-Factor
Auto-Relief
 Rectangular
 Obround
 Tear
Flat Pattern
Forming Tools
Modify Sketch
Link to Thickness
Normal Cut
3D Content Central
Vent feature
Miter Flange
Unfold/Fold Bend
Edge Flange
Build Library Features
Library Parts
Mate Reference
Break Corners
Jog bend
Flat Pattern Drawing
Bend Notes

Convert to Sheet Metal
Closed Corners
Selection Filters
Sketch Pattern
Feature Driven Pattern
Hem Feature
Creating Forming Tools
Component Pattern
Collision Detection
Flexible Sub Assemblies
Assembly Features

3D Sketch

3D Sketch
3D Sketch Relations
Derived Sketch
Projected Curve

Weldments

3D Sketch review
Cut list
Weldment feature
Structural Member
Corner Treatment
 End Miter
 End Butt
Locate Profile
Rotate Profile
Trim/Extend
Gusset
End Cap
Weld Beads
Weldment Cut List
Weldment Drawings
Cut List Table
Weld Table
Weld Symbols
Save Bodies to
 Assembly
Structural Member
 Libraries

Surfacing

Revolved Surface
Lofted Surface
Extruded Surface
Direction of Extrusion
Extrude with Draft
Trim Surface
Mutual Trim
Planar Surface
Filled Surface
Knit Surface
Constant Width Fillet
Thicken
Body Split
Face Fillet
Extend Surface
Extrude From
Mirror Bodies
Swept Surface
Twist Along Path
Sweep Cut

Mold Tools

Draft Analysis
Direction of Pull
Positive Draft
Negative Draft
Draft
Neutral Plane
Rollback/Roll Forward
Scale
Parting Line
Parting Surface
Tooling Split
Shut Off Surfaces
Move/Copy body
Delete Face
Face Classification
Manual Parting Line
Selection
Select Open Loop
Rib
Side Core