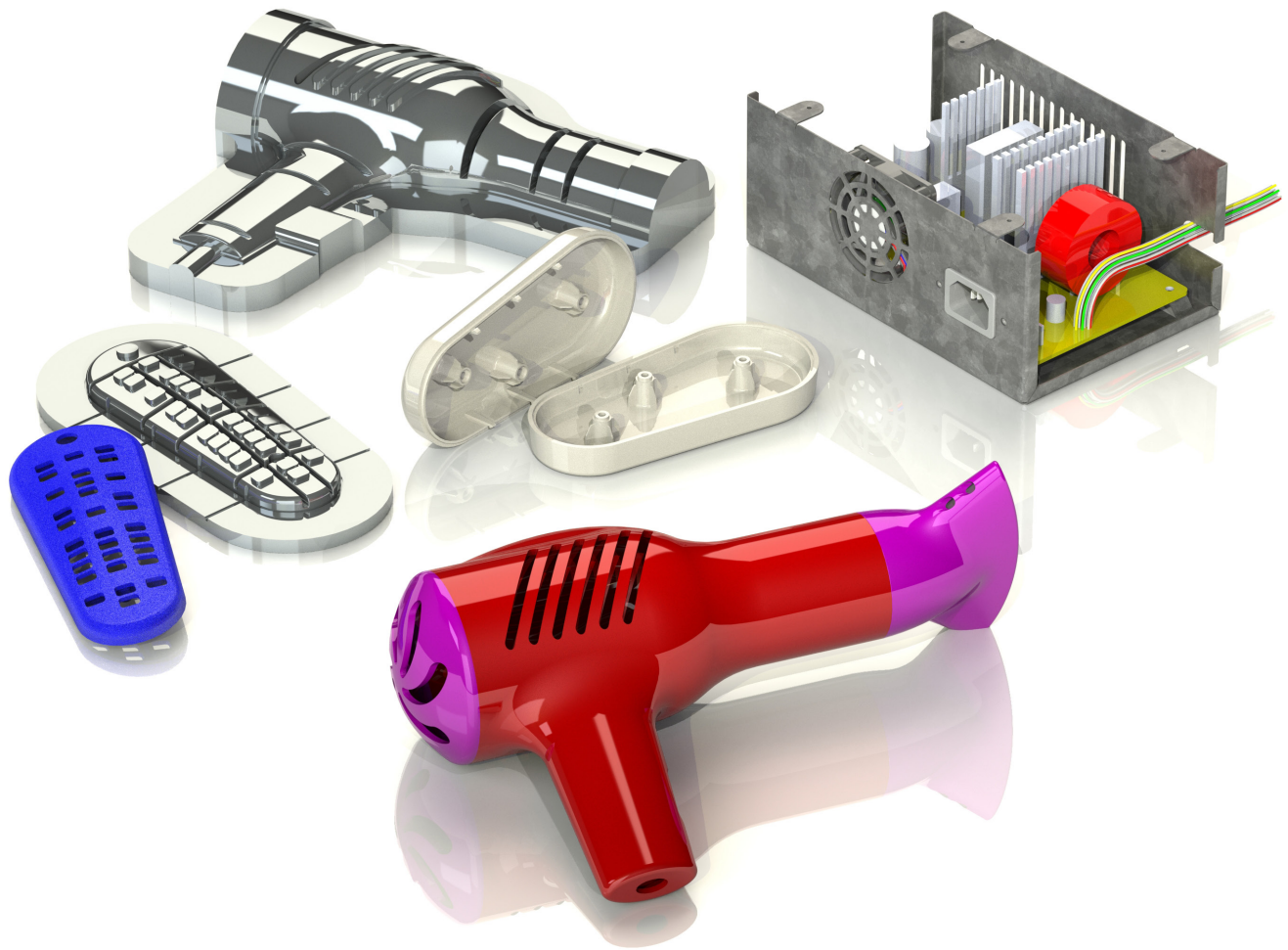


Beginner's Guide to SOLIDWORKS® 2016 Level II

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



Alejandro Reyes MSME, CSWE, CSWI

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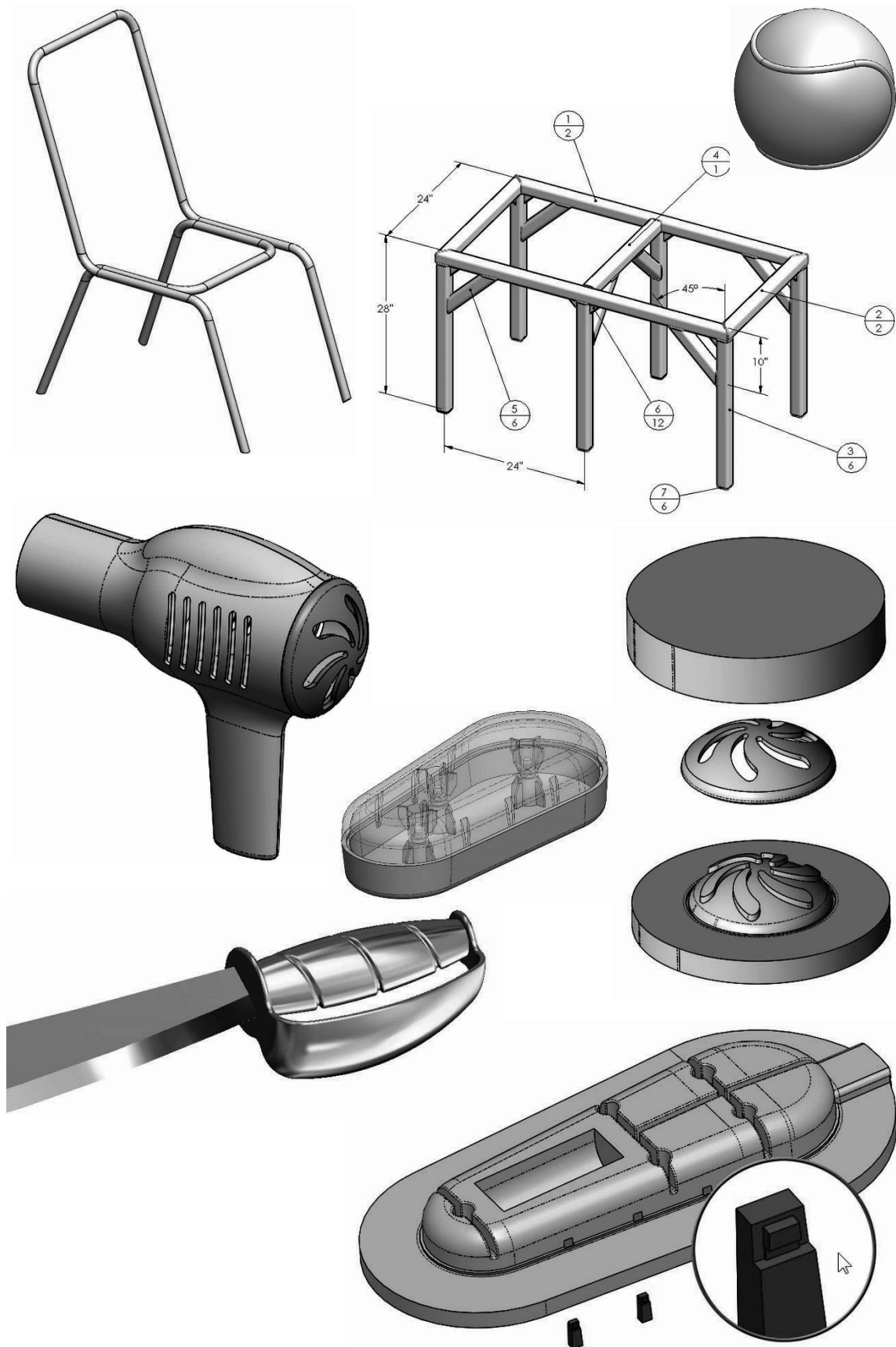
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List of commands introduced in each chapter. Note that many commands are used extensively in following chapters after they have been presented.

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
 Master Model
 Mounting Boss Feature
 Lip/Groove Feature
 Snap Hook/Groove
 Feature

Mold Tools

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