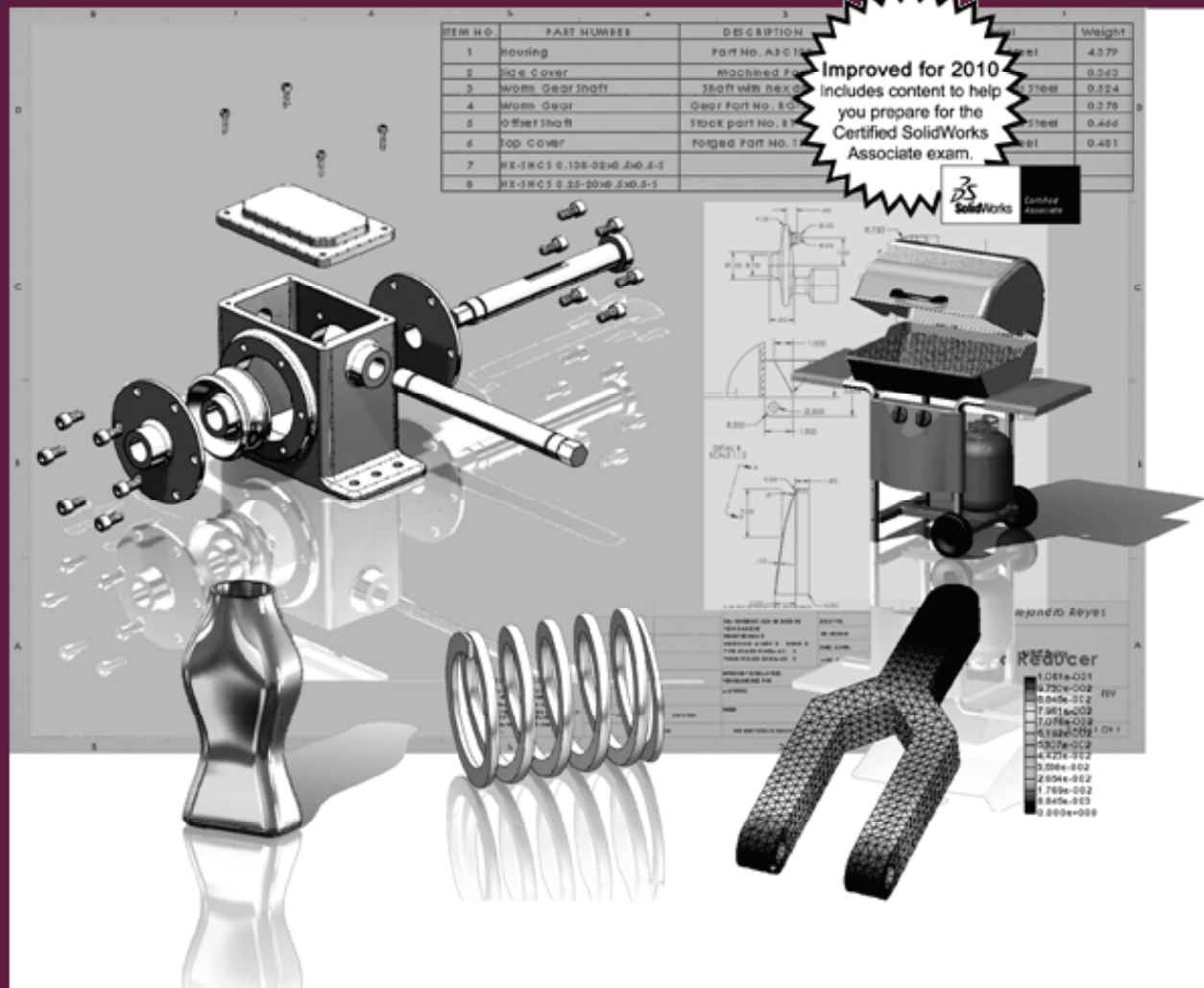


Beginner's Guide to SolidWorks 2010



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

<p>PART MODELING</p> <p>Housing:</p> <p>New Part Create Sketch Confirmation Corner Sketch Grid Sketch Rectangle Sketch Centerline Sketch Relations Smart Dimension Sketch Status Extrude Boss/Base View Orientation Mouse Gestures Center Rectangle Fillet Magnifying Glass Extruded Cut Through All (End condition) Sketch Fillet Rename Features Circle Instant 3D Mirror Features Model Display Styles Fly-Out Feature Manager Dimension Tolerance Hole Wizard Cosmetic Threads Sketch Point Edit Sketch Rebuild Circular Pattern Automatic Relations Temporary Axes Sketch Slot Linear Pattern Edit Material Mass Properties</p>	<p>Side Cover</p> <p>Revolved Boss/Base Trim Entities Extend Entities Construction Geometry</p> <p>Top Cover</p> <p>Offset Entities Mirror Entities (Sketch) Up to Surface (End condition) Shell Measure Tool Select Other More Fillet options</p> <p>Offset Shaft</p> <p>Revolved Cut Auxiliary Planes Hide/Show sketch Convert Entities Polygon (Sketch) Flip Side to Cut Axis (Reference geometry) Coordinate Systems</p> <p>Worm Gear</p> <p>Mid Plane (End Condition) Chamfer Dimension to Arc Direction 2 (End Condition)</p> <p>Worm Gear Shaft</p> <p><i>General Review of commands</i></p>	<p>SWEEP AND LOFT</p> <p>Sweep</p> <p>Thin Feature Auxiliary Plane at point Sweep Up to Next (End condition) Full Round Fillet Helix Variable pitch helix Guide Curves</p> <p>Loft</p> <p>Offset Plane Hide/Show Plane Loft Start/End Conditions Model Section View</p> <p>DETAIL DRAWING</p> <p>Housing Drawing</p> <p>Part Configurations Suppress Feature Parent Child Relation Unsuppress Configure Dimensions Change Configuration New Drawing Make Drawing from Part View Palette (Drawing) Projected View Tangent Edge Display Section View Detail View Model Items (Import dimensions) Drawing cleanup Center Mark/Centerlines Add Sheet to Drawing Model View Configuration Rename Sheet</p>
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Side Cover Drawing

Reference Dimension
Dimension Parentheses
Sheet Scale
View Scale

Top Cover Drawing

Display only Cut Surface
Display Dimension As diameter
Ordinate Dimension
Add to Ordinate
Notes
Custom Document Properties
Parametric Notes
Link to Property

Offset Shaft Drawing

Broken View

Worm Gear Drawing

Display Sheet Format
Insert Model View
Crop View
Ellipse
Angle Dimension
Tolerance/Precision
Chamfer Dimension
Edit Sheet Format / Title Block
Edit Sheet

Worm Gear Shaft Drawing

Broken-Out Section
Spline

ASSEMBLY MODELING

New Assembly
Add New Component
Change Configuration
Mates
Concentric Mate
Coincident Mate
Move Component
Rotate Component
Change Appearance
Parallel Mate
Hide/Show Component
SmartMates
Mirror Components
Width Mate
Toolbox Fasteners
Design Library
Add Fasteners
Cosmetic Thread Display
Configurations using Design Tables
Show Feature Dimensions
Rename Dimensions
Edit Design Table
Interference Detection
Change dimensions in the assembly

Drawing update
Exploded View creation
Collapse View
Animate Exploded view

Assembly Drawing

Show Assembly in exploded view
Bill of Materials
Add Custom Properties to bill of Materials
Open Part from assembly drawing
Format Bill of Materials
Auto Balloons

SimulationXpress

Analysis Background
Split Line
SimulationXpress
Model Fixture
Model Forces
Meshing
Run Simulation
Review results
Factor of Safety
Generate reports
Model changes and simulation update
Model optimization

eDrawings