

\* Wheel & right button mouse optional.  
Press the control key with mouse button to emulate right button for single button mice.

### Keyboard Shortcuts

- w Zoom Window
- e Zoom Extents
- + Zoom In (enlarge)
- Zoom Out (reduce)
- a Side View
- z Front View
- d Top View
- f Isometric View
- ⌘ z Undo
- ⌘ s Save File
- ⌘ a Select All
- ⌘ ~ Select Chain
- ⌘ i Object Info

### Tool Window

- Click "Tool Hints" for options
- Click for Tool Help
- Click Large Icon for Tool Sub Icons

### Data Entry Window

- Modifies objects when selected
- Creates objects when not selected
- Data entry fields accept equations:  $8^* \cos(45)$ ,  $3+450, \sqrt{(8.75)}, 4/(5^2/4)$
- Data entry fields accept unit symbols 10mm, 5cm, 5cm+2mm+1in, 1"12"=2cm

### Creating Objects

- Choose a Tool from Main Tool Palette
- Read Tool Prompt for Instructions
- Read Tool Hints for further options
- Adjust Values in Data Entry Window

### Editing Objects

- Select Arrow Tool and object to modify
- Move entire object by dynamically dragging
- Precise modifications with Object Info or Data Entry Window
- Select Deep to Modify Objects within Groups
- Select Deep to Modify Control Points within Objects

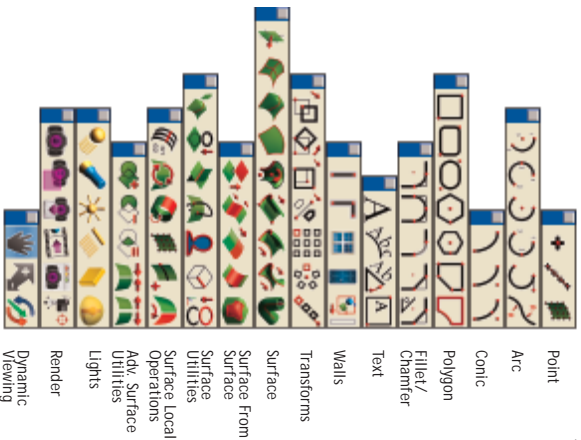
### Selecting Objects

- Press the shift key to add or remove objects; drag left to right for extents or defining points only selections
- Drag right to left for partial selections
- Press option key to drag copy
- Double click on arrow tool to select all

### Miscellaneous

- Set Default Text/Dimension Attributes
  - Select Text or Dimension Tool
  - Select Default Font Types, Sizes, & Styles
- Modify Text/Dimension Attributes
  - Select Arrow Tool
  - Select Font Types, Sizes, & Styles

### 3D Main Tool Palette



Select



Deep Select/  
Eye Dropper

Line

Circle

Ellipse

Spline

Trim/Join/  
Offset

Dimensions

Hatch

Advanced  
Transforms

Solid  
Primitives

Solids From  
Profiles

Solid  
Features

Solid Local  
Operations

Solid  
Boolean

Model To Sheet  
(3D->2D)

Animation

Zoom In/Out