Pro|ENGINEER®
W I L D F I R E ™

QUICK REFERENCE CARD

Labels across the top toolbar (diagonal):
New, Open, Save, Print, Send as attachment, Send as link, Regenerate, Find, Marquee style, Repaint, Display spin center, Viewing mode, Zoom in, Zoom out, Refit, Saved views, Layers, View manager, Wireframe, Hidden line, No hidden line, Shaded, Plane, Axis, Point, Coordinate system, Context sensitive help

Toolbar groups:
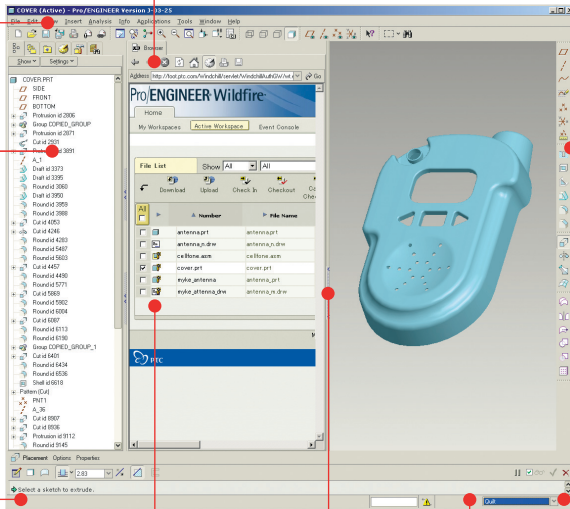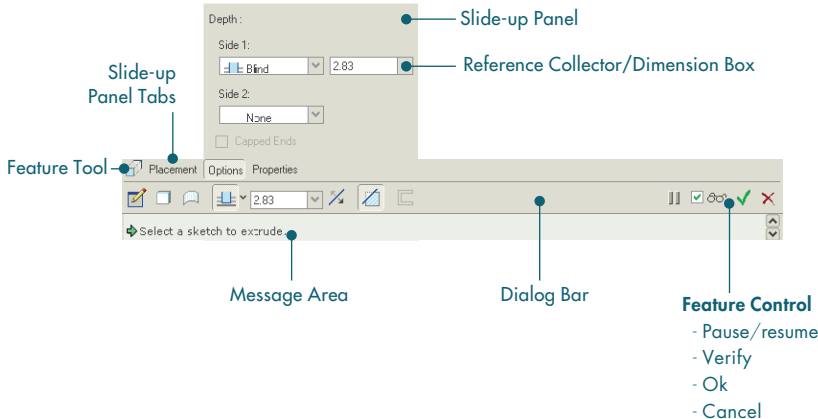**File** — **Edit** — **View** — **Model Display** — **Datum Display**

System Toolbar

Browser Controls

Navigator
- Model Tree
- Folder Browser
- Favorites
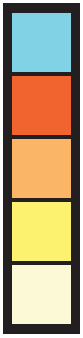- History
- Connections
- Search

Feature Toolbars

Web Browser

Quick Sash Controls

Status Bar

Filter

Dashboard

Slide-up Panel

Reference Collector/Dimension Box

Slide-up Panel Tabs

Feature Tool

Depth :

Side 1:
Blind   2.83

Side 2:
None

Capped Ends

Placement   Options   Properties

Select a sketch to extrude.

Message Area

Dialog Bar

Feature Control
- Pause/resume
- Verify
- Ok
- Cancel

Feature Toolbars

Group	Icon	Feature
Datum		Plane
		Axis
		Curve
		Sketched curve
		Point
		Coordinate system
		Analysis
Pick/Place		Hole
		Shell
		Rib
		Draft
		Round
		Chamfer
Base		Extrude
		Revolve
		Variable section sweep
		Boundary blend
		Style
Editing		Copy
		Mirror
		Move
		Merge
		Trim
		Pattern

Selection

Mouse Controls

ACTION		RESULT	COLORS
Move Pointer		**Items under pointer are highlighted**	Preselection highlight (Cyan)
Right-click		**Items under the pointer are query highlighted**	Selected (Bright Red)
Left-click		**Highlighted item is selected**	Secondary selected (Orange)
CTRL +		**Add/Remove items**	Preview geometry (Yellow)
SHIFT +		**Select chain or surface set**	Secondary preview geometry (Pale Yellow)

Direct Viewing

Mouse Controls

3D Modes	(Drag MMB)
SPIN	
PAN	**SHIFT** +
ZOOM	**CTRL** +
TURN	**CTRL** +

2D Modes	
PAN	
ZOOM	**CTRL** +

Wheel Mouse Controls

ZOOM	
Quick-zooming with a wheel mouse	
SHIFT +	.5x
CTRL +	2x

Spin Center
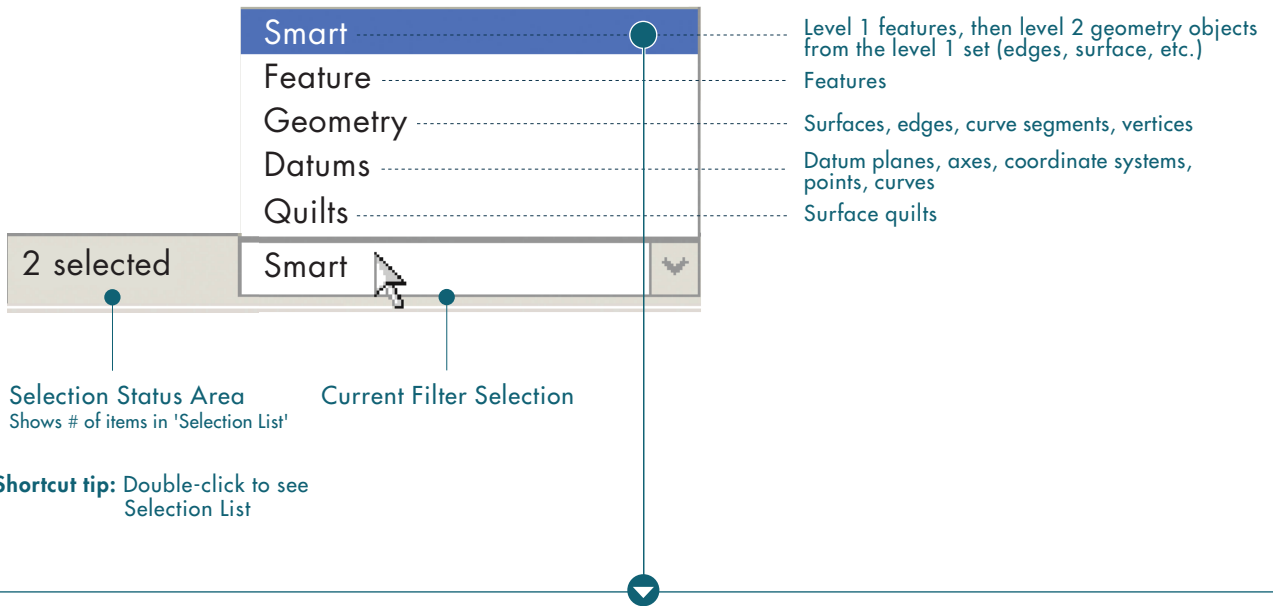Enabled: Icon = Spin Center
Disabled: Cursor = Spin Center

View Mode
Allows DELAYED and VELOCITY Viewing Modes

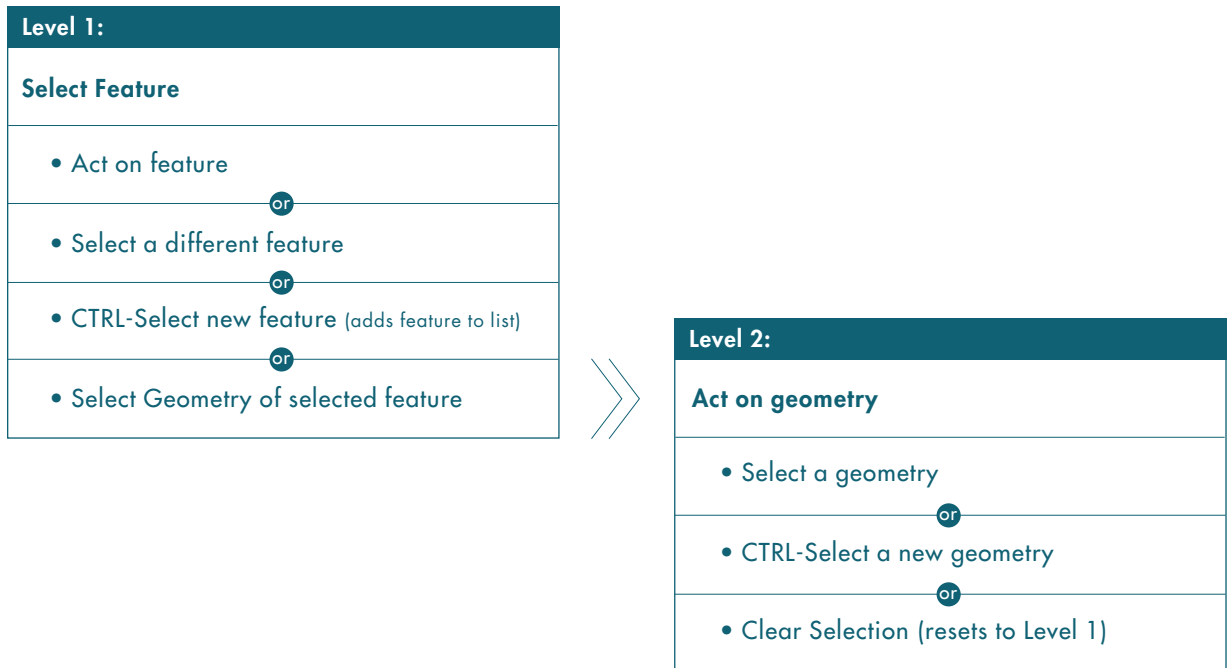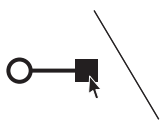**Shortcut tip:** Use CTRL-SHIFT-MMB to enable/disable view mode

Selection Geometry

Smart .... ● .... Level 1 features, then level 2 geometry objects from the level 1 set (edges, surface, etc.)
Feature .... Features
Geometry .... Surfaces, edges, curve segments, vertices
Datums .... Datum planes, axes, coordinate systems, points, curves
Quilts .... Surface quilts

| 2 selected | Smart | ⌄ |

Selection Status Area
Shows # of items in 'Selection List'

Current Filter Selection
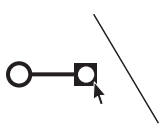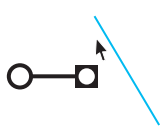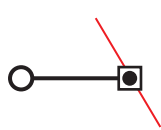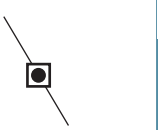
Shortcut tip: Double-click to see Selection List

Using the Smart Filter
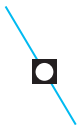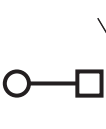
Feature First, Geometry Second

Moving between Features and Geometry is fast and easy with the Smart filter. First, select one or more features. Perform an action on the selected feature(s) or proceed to select some geometry of that feature.

Level 1:

Select Feature

- Act on feature

or

- Select a different feature

or

- CTRL-Select new feature (adds feature to list)

or

- Select Geometry of selected feature

Level 2:

Act on geometry

- Select a geometry

or

- CTRL-Select a new geometry

or

- Clear Selection (resets to Level 1)
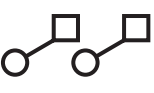
Snapping

Press LMB and begin dragging	**Holding SHIFT**	**Move pointer over reference geometry**	**Release LMB, Release SHIFT**	**Handle is snapped, handle appearance changes to indicate snapping**
Handle stretches from anchor point and is highlighted (filled black) while dragging	White 'snap indicator' circle appears on the drag handle	Reference geometry is highlighted (cyan)	Geometry is selected as reference	Anchor point and extendor arm will disappear, leaving handle with black 'snap' circle

Unsnapping

Holding SHIFT	**Move pointer over handle**	**Drag handle off reference geometry**	**Release**
Snapped handle is 'at rest'	Reference geometry is highlighted	White 'snap indicator' circle disappears from the handle	Handle is unsnapped and reverts to its original state

Copying for Variable Features

Move pointer over anchor to copy	**Press and hold LMB Press and hold CTRL**	**Dragging from anchor copies and places the new handle**	**Release**
The anchor point is highlighted	The sequence of mouse/ keyboard commands is important	Original handle is unchanged, while dragging new copy	