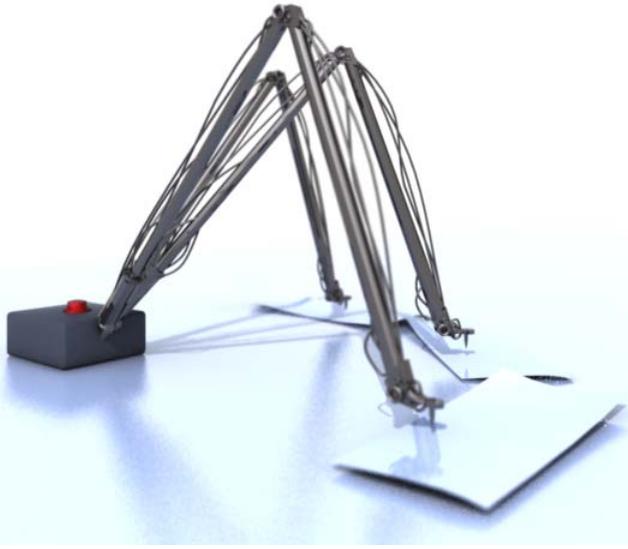


Action Recorder

With Action Recorder, you can create action macros that can be used to automate repetitive tasks.



TIPS

Action macros are created by recording many of the commands that you are already familiar with in AutoCAD® software.

Place recorded action macros on a network drive for easy sharing.

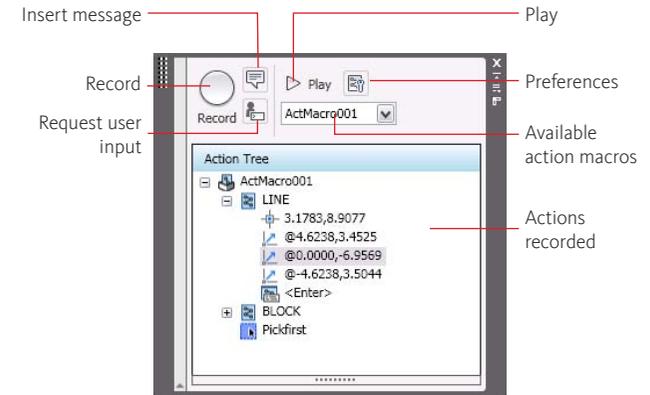
The Action Recorder does not require previous programming experience.

Action macros can be recorded to prompt for input during playback.

Action Recorder

FEATURES

- Record action macros
- Play back action macros
- Automate repetitive tasks



ACTRECORD

Starts the recording of a new action macro

ACTSTOP

Stops the recording of an action macro

ACTUSERINPUT

Adds a request for user input to one of the recorded actions

ACTUSERMESSAGE

Adds a custom user message to an action macro that is displayed during playback

Tutorials

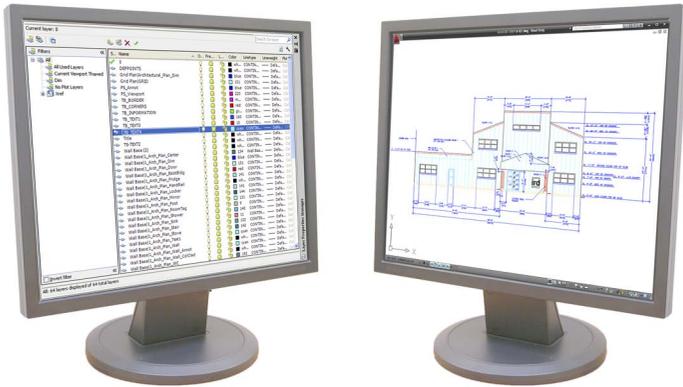
www.autodesk.com/autocad-tutorials

New Features Workshop

See product Help menu.

Enhanced Layer Properties Manager

With the Layer Properties Manager you can view layer property changes in real time and edit drawings in an opened Layer Properties Manager. You can also customize the layer interface easily.



TIPS

Place the Layer Properties Manager in a secondary display while drafting in your primary display.

Use Freeze column to lock the position of the Name column while you scroll horizontally through the layer columns.

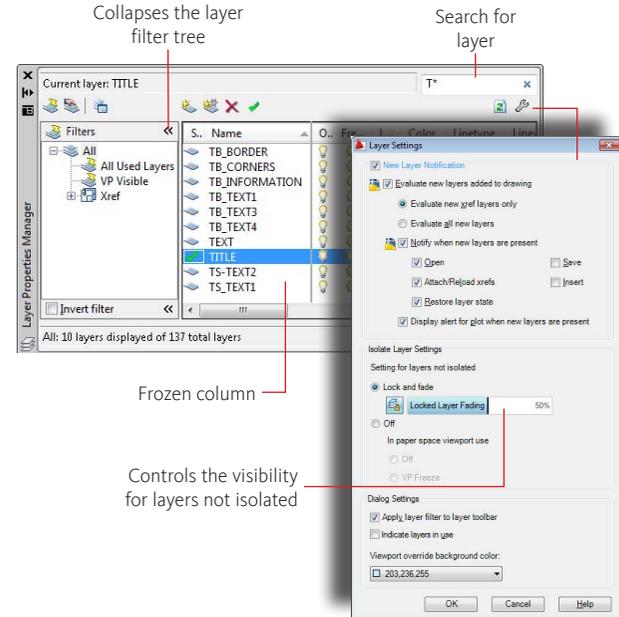
Use wild-card characters to filter layer names. For example, enter *text* to search for all the layers that contain the word text.

Use the Hide/Show layer filters button to control the layer filter tree display.

Enhanced Layer Properties Manager

FEATURES

- Quickly access the Layer Properties Manager
- Use layer filters in real time



LAYER

Opens the Layer Properties Manager dialog box

LAYERCLOSE

Closes the Layer Properties Manager dialog box

-LAYER

Creates and manages layers from the command line

Tutorials

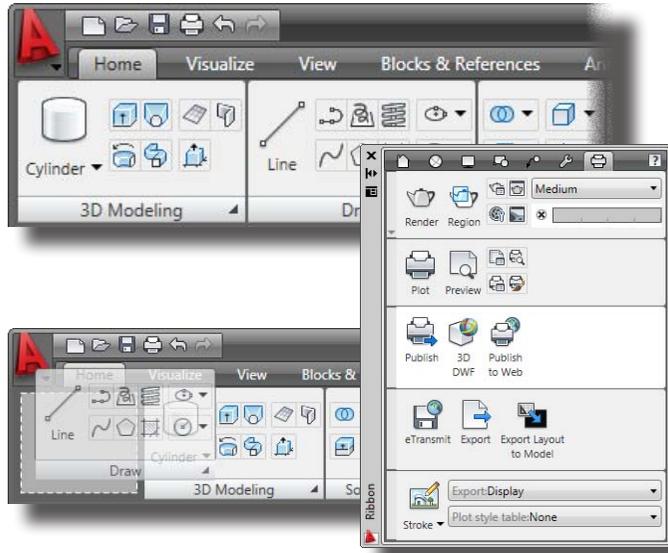
www.autodesk.com/autocad-tutorials

New Features Workshop

See product Help menu.

Ribbon

The ribbon is composed of tabs. Each tab has labeled panels that contain many of the same controls that are available in dialog boxes and toolbars.



TIPS

Associate a tool palette group with each panel on the ribbon. Right-click the ribbon panel to display a list of available tool palette groups.

Rearrange ribbon tabs by dragging them to a new position on the ribbon.

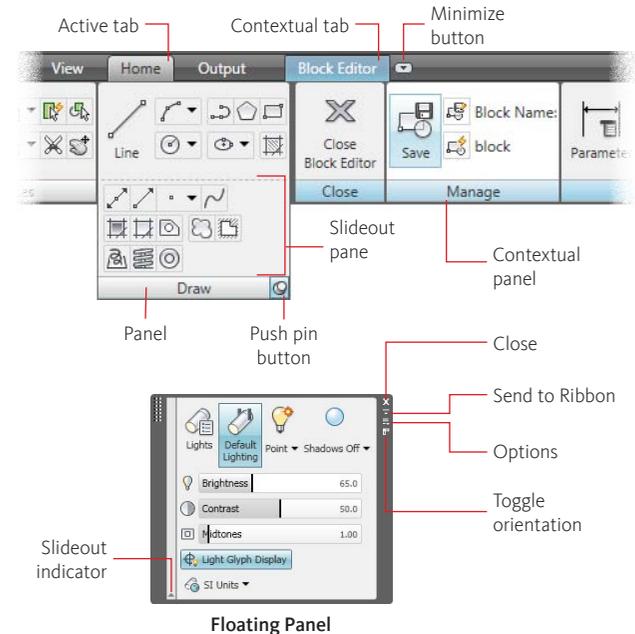
“Float” a ribbon panel by dragging it into the drawing area. The floating panel is displayed only when the associated ribbon tab is selected.

Align the ribbon horizontally along the top of the drawing window or vertically to the left or right of the drawing window.

Ribbon

FEATURES

- Display the ribbon horizontally or vertically
- Hide the ribbon until you need to access it
- Detach panels from the ribbon and “float” them within the drawing workspace



RIBBON

Opens the ribbon window

RIBBONCLOSE

Closes the ribbon window

Tutorials

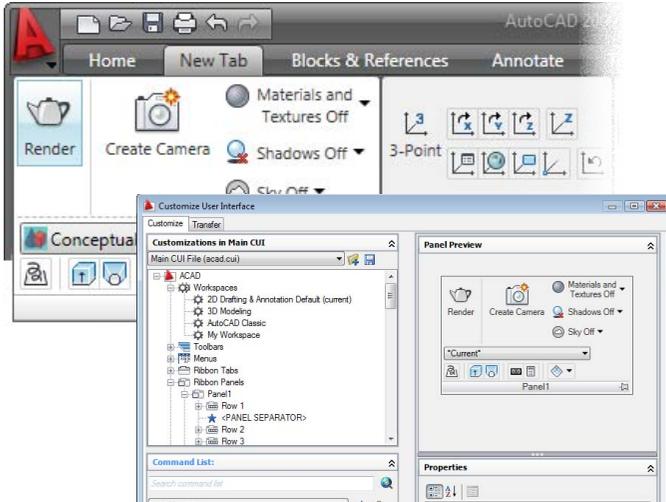
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New Features Workshop

See product Help menu.

Ribbon Customization

The ribbon can be customized using the Customize User Interface (CUI) Editor. Panels, tabs, and commands can be added, modified, or removed.



TIPS

Create custom tabs to organize and control the display in which panels appear on the ribbon.

Use existing toolbars to add new rows to a ribbon panel.

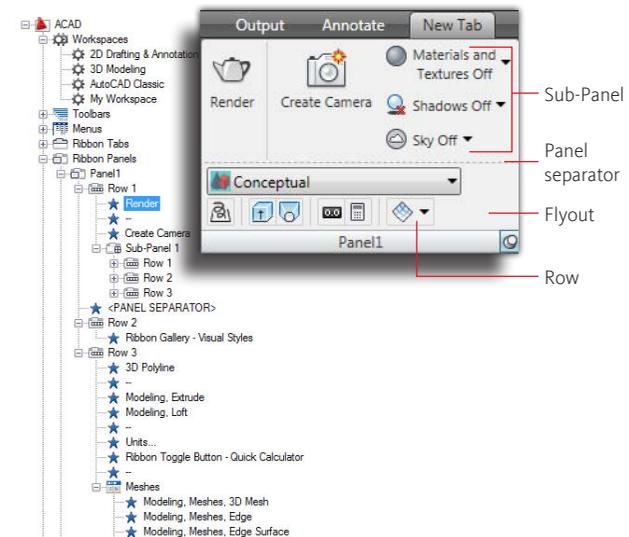
Organize commands and controls on a panel with rows, sub-panels, flyouts, and separators.

Use the Panel Preview to visually see how commands and controls will appear on a panel.

Ribbon Customization

FEATURES

- Organize the commands that you commonly use on the ribbon
- Use existing or create new toolbars and commands to customize ribbon panels
- Control the location of the ribbon and the display of tabs and panels on the ribbon through a workspace



CUI

Displays the CUI Editor

RIBBON

Opens the ribbon window

Tutorials

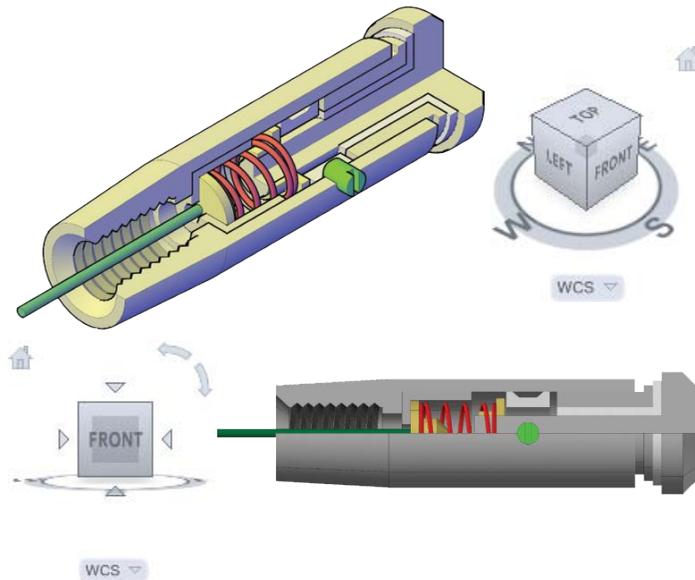
www.autodesk.com/autocad-tutorials

New Features Workshop

See product Help menu.

ViewCube

The ViewCube™ displays the orientation of a 3D model and enables you to change the current view of a 3D model.



WCS ▾

TIPS

Use the ViewCube feature to switch to preset views by clicking a faces, edge or corner.

You can orbit a model by dragging the ViewCube.

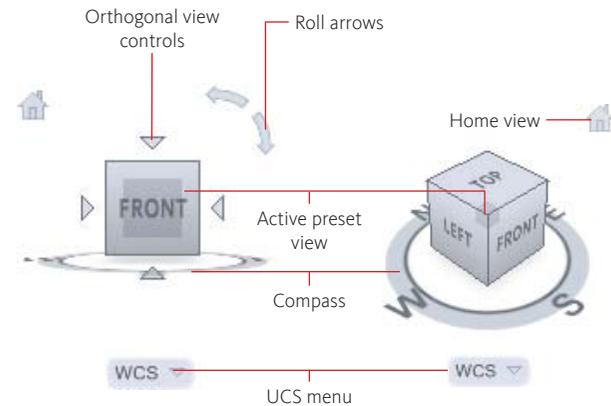
Define a Home view that can take you to back to a known view of the model.

Saved UCSs can be set current from the UCS menu on the ViewCube.

ViewCube

FEATURES

- View the current orientation of a model
- Change the view of a model to one of 26 preset views
- Define and restore the Home view for a model
- Change the view projection for a model
- Set a named user coordinate system (UCS)



NAVVCUBE

Shows or hides the ViewCube

Tutorials

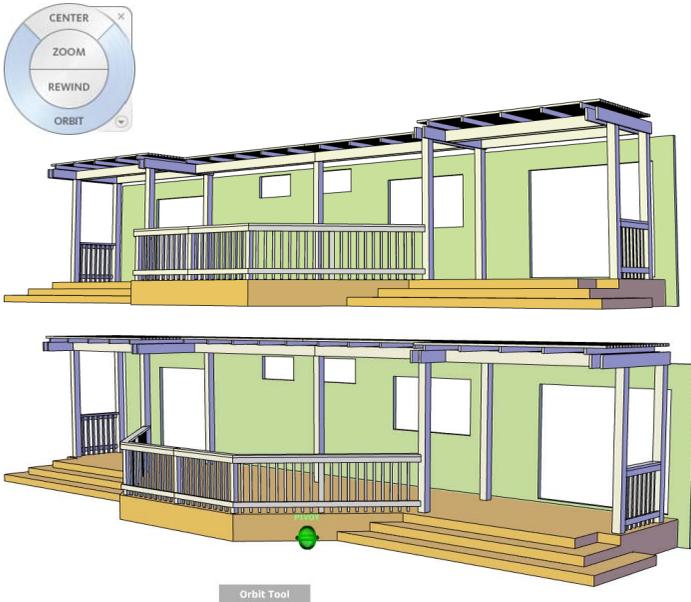
www.autodesk.com/autocad-tutorials

New Features Workshop

See product Help menu.

SteeringWheels

The SteeringWheels™ feature provides access to 2D and 3D navigation tools from a single user interface.



TIPS

Objects can be selected before a navigation tool is activated to control the center point used by the navigation tools.

The Tour Building and Full Navigation wheels can be used to walk/fly through or look around a 3D model.

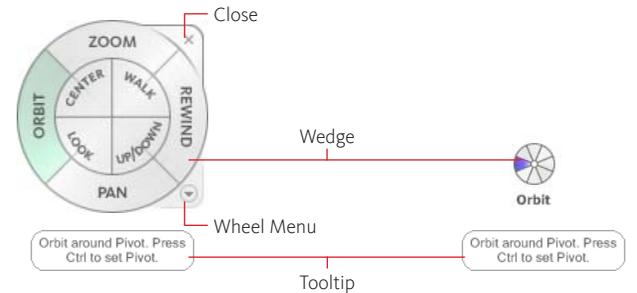
The Full Navigation wheel provides access to all available 2D and 3D navigation tools from a single wheel.

You can restore the Home view, with which you can go back to a known view of the model.

SteeringWheels

FEATURES

- Access 2D and 3D navigation tools in a single user interface
- Restore previous views or the Home view of a model
- Choose wheels in two different versions: big and mini

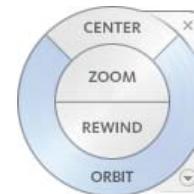


Full Navigation Wheel

Mini Full Navigation Wheel



2D Navigation Wheel



View Object Wheel



Tour Building Wheel

NAVSWHEEL

Displays the SteeringWheels feature

Tutorials

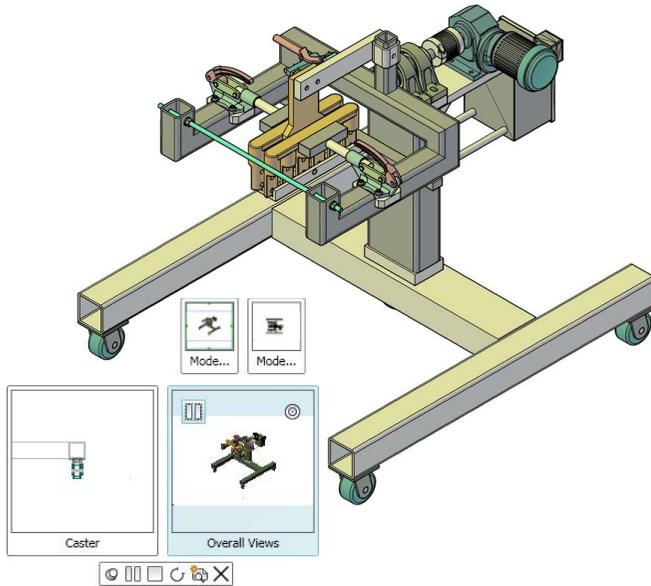
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New Features Workshop

See product Help menu.

ShowMotion

The ShowMotion™ feature enables you to play back a view with motion for each of the named views saved with a model and restore a named view.



TIPS

Existing named views created with previous releases work with ShowMotion without any modifications needed.

Named views can be organized by categories.

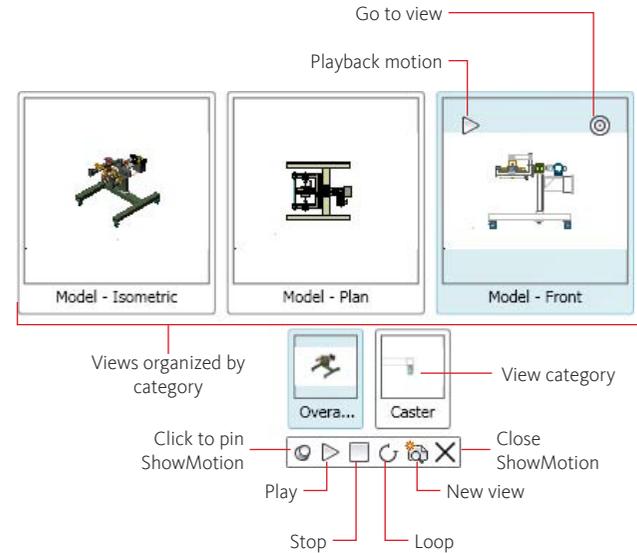
You can specify the transition to use when playing back the motion associated to a named view.

Views can be played back individually or all views in a category can be played back.

ShowMotion

FEATURES

- Create named views with or without motion and, if desired, arrange them within a category
- Navigate a model by using saved named views
- Play back the motion associated to a named view



NAVSMOTION

Displays ShowMotion feature

VIEWPLAY

Plays the motion associated with a named view

VIEWGO

Restores a named view

Tutorials

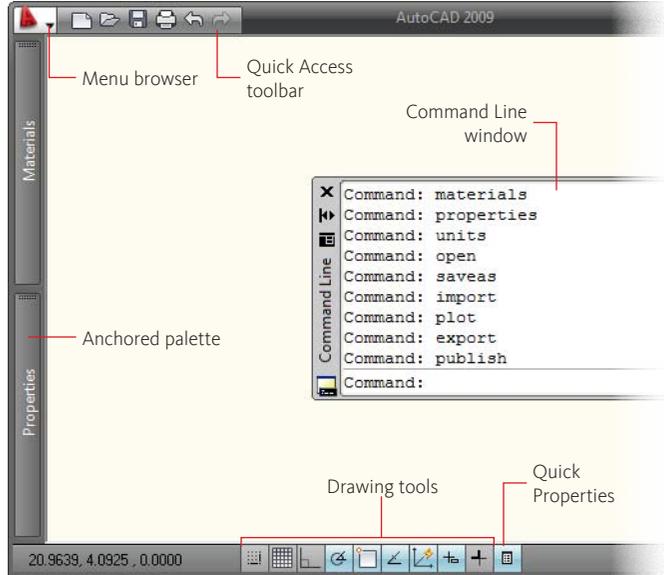
www.autodesk.com/autocad-tutorials

New Features Workshop

See product Help menu.

Tools in the Application Window

The application window has been enhanced to display common tools such as the menu browser button, the Quick Access toolbar, and InfoCenter.



TIPS

Customize the Quick Access toolbar to display only commands you frequently use.

Display the classic menu bar by clicking Show Menu Bar on the Quick Access toolbar shortcut menu.

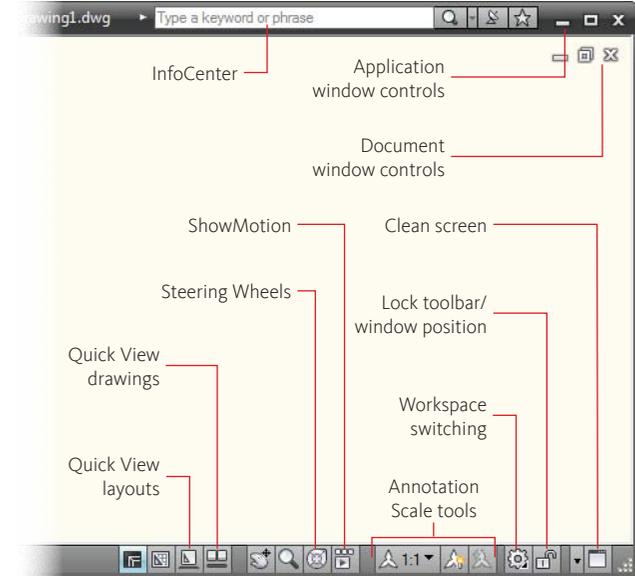
Easily change the setting of the polar, object snap, and object snap track from the shortcut menu of these drawing tools.

Quickly search for a variety of information sources with one query and access product updates and announcements with InfoCenter.

Tools in the Application Window

FEATURES

- Quick access to tools for navigating open drawings, layouts, and views
- Access commands you frequently want to use with the Quick Access toolbar
- Easily switch workspaces from the status bar



SHOWPALETTES

Restores the display of hidden palettes

HIDEPALETTES

Hides currently displayed palettes (including the command line)

Tutorials

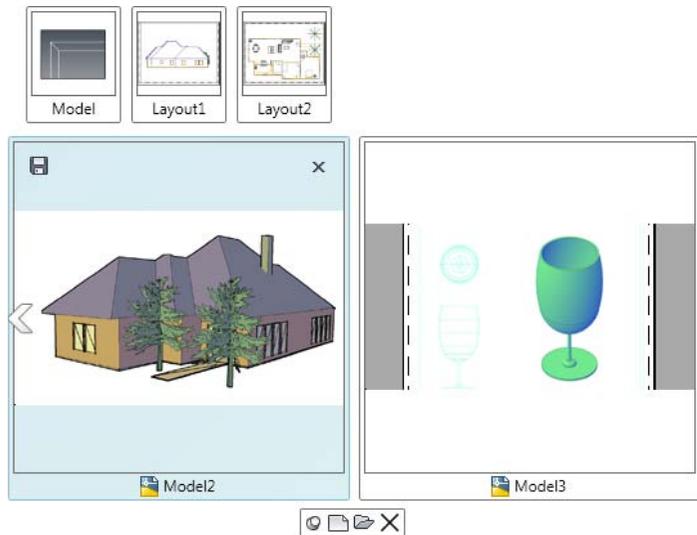
www.autodesk.com/autocad-tutorials

New Features Workshop

See product Help menu.

Quick View

With Quick View, you can preview and switch between open drawings and layouts in a drawing by displaying them in a two-level structure of thumbnail images.



TIPS

Dynamically resize the thumbnail images by pressing Ctrl+Scrollwheel.

Plot and publish a layout by clicking the buttons at the top corners of the thumbnail image when the cursor is on it.

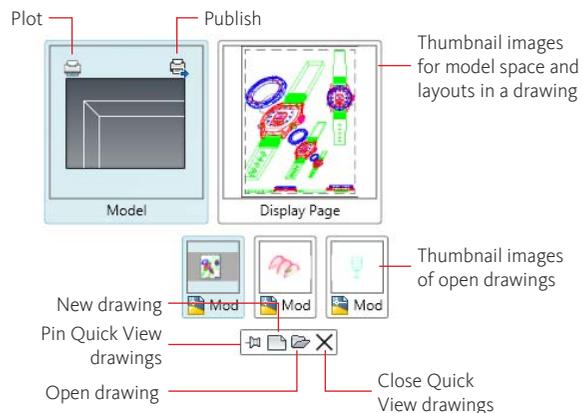
Save all open drawings by clicking Save All from the thumbnail image of a drawing shortcut menu.

Close all open drawings except the one you want to work on by clicking Close Other Files on the shortcut menu of the thumbnail image of the drawing you want to work on.

Quick View

FEATURES

- Preview and switch between open drawings
- Plot a current layout
- Publish multiple layouts



QVDRAWING

Displays open drawings and layouts in a drawing in preview images

QVDRAWINGCLOSE

Closes preview images of open drawings and layouts in a drawing

QVLAYOUT

Displays the preview image of model space and layouts in a drawing

QVLAYOUTCLOSE

Closes preview images of model space and layouts in a drawing

Tutorials

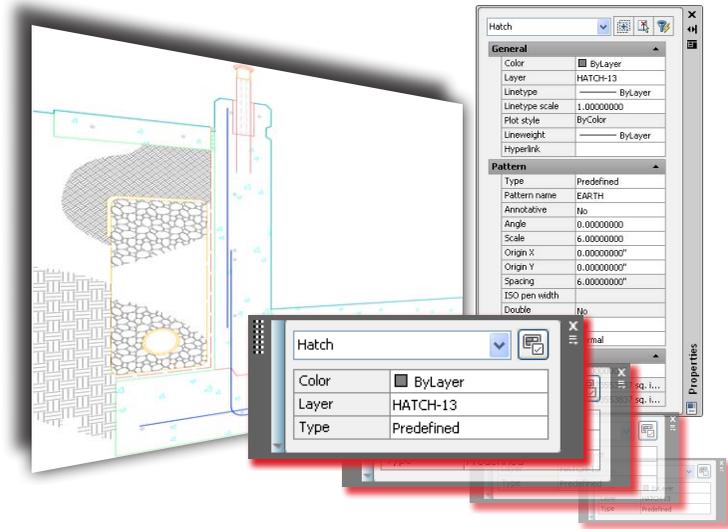
www.autodesk.com/autocad-tutorials

New Features Workshop

See product Help menu.

Quick Properties

With the Quick Properties feature, you can create a customized properties panel for a specific object type or multiple object types in a selection. The Quick Properties panel displays the commonly used properties for each object type.



TIPS

Use the Quick Properties button on the status bar to control the on or off state of the Quick Properties panel.

Set the Quick Properties panel using the QPMODE system variable to appear only for objects that are defined in the CUI Editor to display properties.

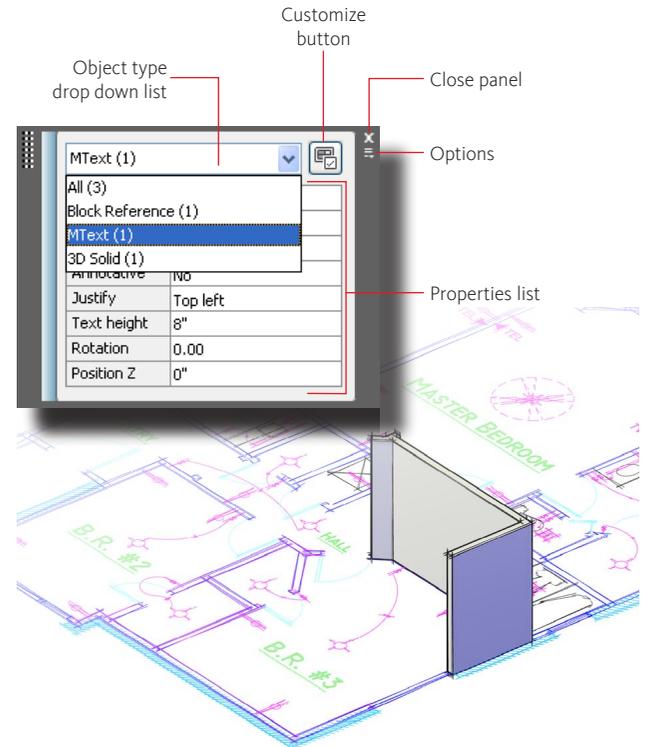
Customize the general properties for undefined object types using the Customize User Interface (CUI) Editor.

Clear the Auto-Collapse option on the shortcut menu of Quick Properties panel to display the panel at its full height.

Quick Properties

FEATURES

- Easily access commonly used properties
- Panel can appear floating or attached to the cursor when any object types are selected



Tutorials

www.autodesk.com/autocad-tutorials

New Features Workshop

See product Help menu.

DWFx

DWFx —the future of DWF™ technology— is based on the XML Paper Specification (XPS) format from Microsoft. DWFx files can be viewed using the XPS Viewer, that is integrated into the Windows Vista® platform and Windows® Internet Explorer® 7.



TIPS

Use dpi settings in the custom properties of the DWFx plotter configuration file to control the file size.

Re-create the default plotter configuration file using the Add-A-Plotter wizard.

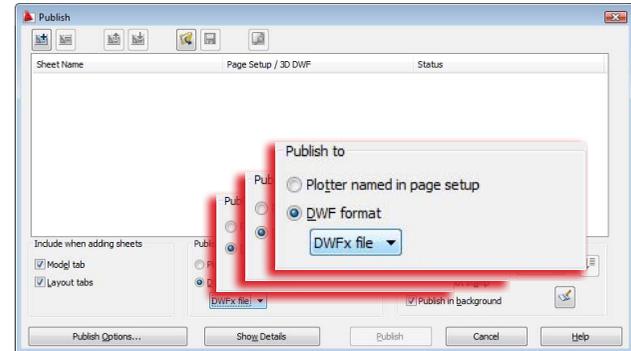
When background plotting is on, use the plotter icon to view the status.

Drag drawings from the desktop into the Publish dialog box to add sheets to the list.

DWFx

FEATURES

- Share drawings easily as DWFx files can be viewed on Windows Vista and Windows XP (with IE 7)
- Maintain precision as DWFx is a vector based format



PLOT

Plots a drawing to a plotter, printer, or file (DWF/DWFx)

PUBLISH

Publishes drawings to DWF/DWFx files or plotters

DWFATTACH

Attaches a DWF/DWFx underlay to the current drawing

MARKUP

Displays the details of DWF/DWFx files containing markups; also enables you to change the markup status and republish

Tutorials

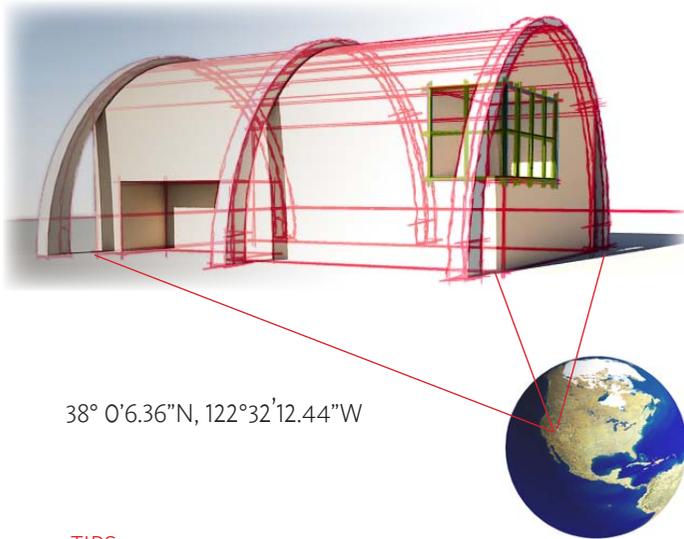
www.autodesk.com/autocad-tutorials

New Features Workshop

See product Help menu.

Geographic Location

Geographic location embeds location-specific references –expressed as real-world coordinates (X, Y, and Z)– in your drawing. You can then send your georeferenced drawing for review.



38° 0'6.36"N, 122°32'12.44"W

TIPS

Define a location by importing a KML or KMZ file into AutoCAD.

Import a specific location from Google Earth™.

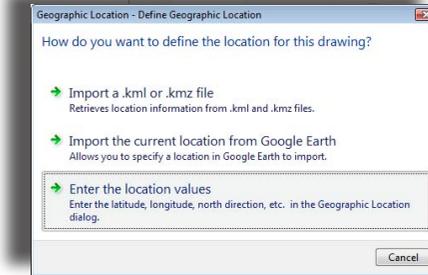
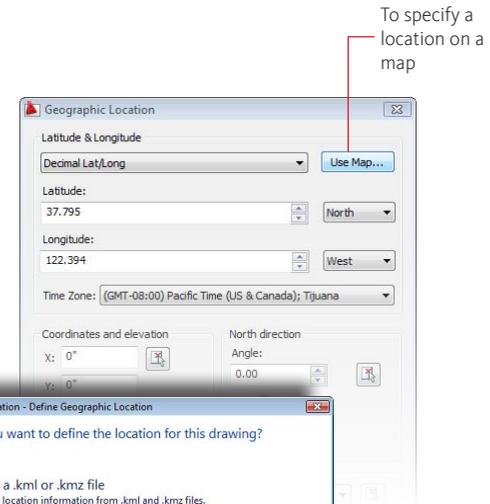
Display the latitude and longitude values in the status bar using the Geographic option on the shortcut menu.

Set the GEOMARKERVISIBILITY system variable to see geographic markers in your drawing.

Geographic Location

FEATURES

- Include location information in your drawing
- Use geographic location information from Google Earth™ files



GEOGRAPHICLOCATION

Inserts geographic location information in a drawing

Tutorials

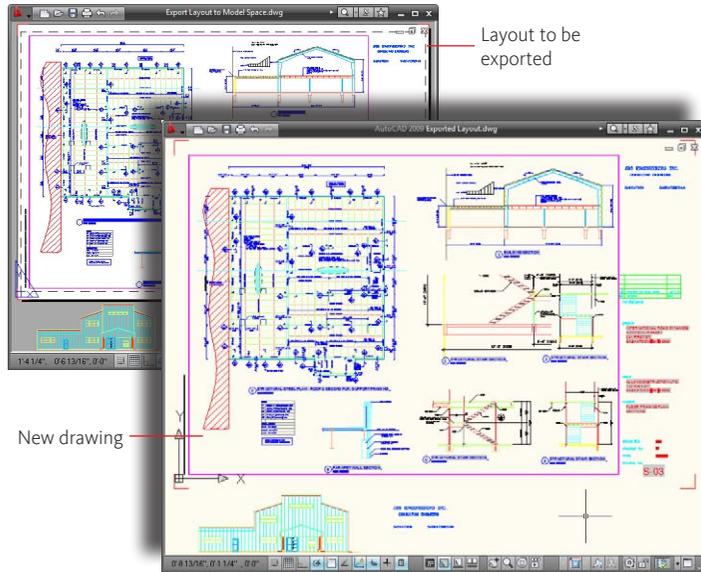
www.autodesk.com/autocad-tutorials

New Features Workshop

See product Help menu.

Export Layout to Model Space Drawing

The Export Layout to Model Space Drawing feature exports visible objects from the current layout to the model space of a new drawing.



TIPS

Solid hatch, in particular, can take time to export when clipped by a viewport boundary.

As the command can take a few minutes with complex drawings, save your drawing before running the command.

Exchange drawings with users of other model space-based CAD systems.

The results are best when objects are not clipped by viewport boundaries, particularly xrefs, text, and hatch objects.

Export Layout to Model Space Drawing

FEATURES

- Maintain the same layout visual fidelity in model space
- Automatically binds all external references to the exported drawing
- Export objects that are outside the boundaries of a layout

EXPORTLAYOUT

Exports layout to model space drawing

Tutorials

<http://www.autodesk.com/autocad-tutorials>

New Features Workshop

See product Help menu

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