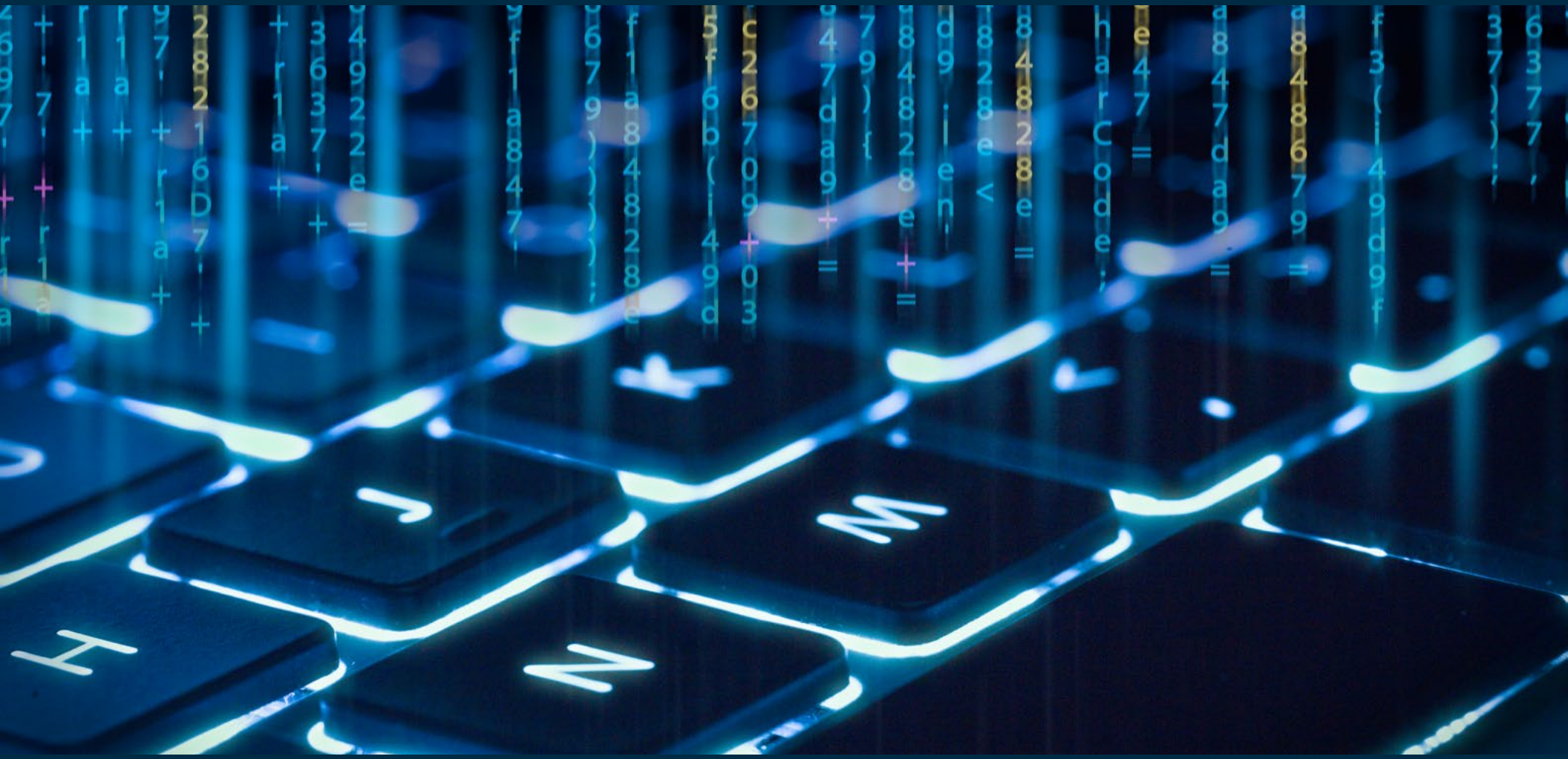
WORK FASTER WITH SHORTCUTS IN MICROSTATION



Bentley®

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Note: Shortcuts listed in this document are the default shortcuts available in MicroStation CONNECT Edition. These are customizable as per individual needs. To learn more on how to customize read:

- Customizing Ribbon Group Pop-ups
- Modify Function Key Definition
- Customizing Keyboard Shortcuts

FUNCTION KEYS

Key	Action
F1	Opens Help for the active dialog.
F2	Displays the keytips for tabs and the quick access toolbar.
F3	Displays the keytips of tools inside the currently selected tab.
F4	Sends input focus to the ribbon search.
F5	Displays the View Attributes dialog.
F6	Opens the Saved Views dialog.
F7	Displays the Keyboard Shortcuts menu.
F8	Turns on or off the display of the grid in the open view.
F9	Sends input focus to the Key-in window if it is docked or open. Opens the Key-in window if it is not already open.
F10	Sends input focus to the Tool Settings window if it is docked or open. Opens the Tool Settings window if it is not already open.
F11	Sends input focus to the AccuDraw window if it is docked or open. Activates AccuDraw if it is not active and opens the AccuDraw window.
F12	Sends input focus to home.
Alt+F8	Opens the Macros dialog.

Key	Action
Ctrl+F1	Activates the first tool in the Primary Tools toolbox. The default is to display the Models dialog.
Ctrl+F2	Activates the second tool in the Primary Tools toolbox. The default is to display the References dialog.
Ctrl+F3	Activates the third tool in the Primary Tools toolbox. The default is to display the Raster Manager dialog.
Ctrl+F4	Activates the fourth tool in the Primary Tools toolbox. The default is to display the Point Clouds dialog.
Ctrl+F5	Activates the fifth tool in the Primary Tools toolbox. The default is to display the Saved Views dialog.
Ctrl+F6	Activates the sixth tool in the Primary Tools toolbox. The default is to display the Level Manager dialog.
Ctrl+F7	Activates the seventh tool in the Primary Tools toolbox. The default is to display the Level Display dialog.
Ctrl+F8	Activates the eighth tool in the Primary Tools toolbox. The default is to display the Cell Library dialog.
Ctrl+F9	Activates the ninth tool in the Primary Tools toolbox. The default is to display the Auxiliary Coordinates dialog.
Ctrl+F10	Activates the tenth tool in the Primary Tools toolbox. The default is to display the Explorer dialog.
Ctrl+F11	Activates the eleventh tool in the Primary Tools toolbox. The default is to open or close Details dialog.

FUNCTION KEYS Continued

Key	Action
CShift+F1	Activates the first tool in the Attributes toolbox. The default is to display the active element template.
Shift+F2	Activates the second tool in the Attributes toolbox. The default is to display the Active Level list box.
Shift+F3	Activates the third tool in the Attributes toolbox. The default is to display the Active Color dialog.
Shift+F4	Activates the fourth tool in the Attributes toolbox. The default is to display the Active Line Style list box.
Shift+F5	Activates the fifth tool in the Attributes toolbox. The default is to display the Active Line Weight list box.
Shift+F6	Activates the sixth tool in the Attributes toolbox. The default is to display the Active Element Transparency list box.
Shift+F7	Activates the seventh tool in the Attributes toolbox. The default is to display the Active Element Priority list box.
Shift+F8	Activates the eighth tool in the Attributes toolbox.
Shift+F9	Activates the ninth tool in the Attributes toolbox (only when model is 2D after running Show All for Attributes tool box).
Shift+F10	Opens Ribbon Group Option Menu.

KEYTIPS

GENERAL

Keytips	Quick Access Toolbar
F2+1	Workflow/ set the active workflow
F2+2	Select V8i Mode
F2+3	Open Existing File
F2+4	Save
F2+5	Save Settings
F2+6	Compress options
F2+7	Undo
F2+8	Redo
F2+9	Set Mark
F2+01	Print

DRAWING WORKFLOW

Keytips	Ribbon Tabs
F2+F	File
F2+H	Home
F2+A	Annotate
F2+T	Attach
F2+Z	Analyze
F2+R	Curves
F2+C	Constraints
F2+L	Utilities
F2+D	Drawing Aids
F2+O	Content
F2+H	Help
F2 +V	View
F2 + C	Collaborate

GENERAL WORKFLOW

Keytips	Ribbon Tabs
F2+F	File
F2+H	Home
F2+T	Insert
F2+A	Annotate
F2+C	Parametric
F2+V	View
F2+L	Manage
F2+Z	Analyze
F2+R	Curves
F2+D	Drawing Aids
F2+O	Content
F2+S	Help

VISUALIZATION WORKFLOW

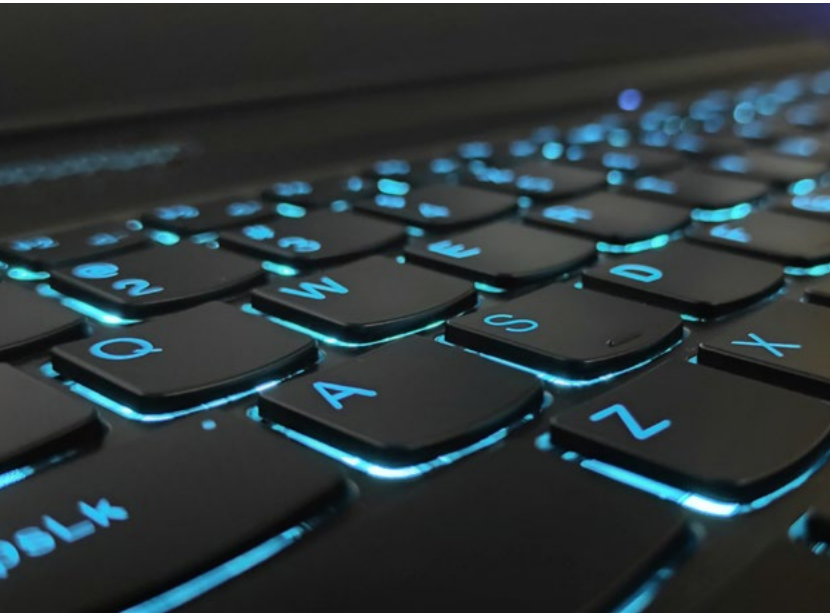
Keytips	Ribbon Tabs
F2+F	File
F2+H	Home
F2+V	View
F2+A	Animate
F2+D	Drawing Aids
F2+C	Collaborate
F2+S	Help

MODELING WORKFLOW

Keytips	Ribbon Tabs
F2+F	File
F2+H	Home
F2+R	Curves
F2+S	Solids
F2+U	Surfaces
F2+M	Mesh
F2+O	Content
F2+Z	Analyze
F2+C	Constraints
F2+L	Utilities
F2+D	Drawing Aids

KEYBOARD SHORTCUTS

Shortcut	Group/tools Menu
<Spacebar>	Popups – opens frequently used ribbon groups and ribbon tools.
<Q>	Opens Quick Tools Menu
<[>	Opens Quick Tools Menu
<Shift+Alt+right-click>	Displays keytips for tools in the View Tab



ACCESSING QUICK TOOLS USING Q

Shortcut	Tools
<Q+1>	Attributes
<Q+2>	Primary
<Q+3>	Selection
<Q+4>	Placement
<Q+5>	Manipulate
<Q+6>	Modify
<Q+7>	Groups
<Q+Q>	Select
<Q+W>	Move
<Q+E>	Copy
<Q+R>	Rotate
<Q+T>	Scale
<Q+Y>	Mirror
<Q+U>	Delete
<Q+A>	Measure
<Q+S>	Text
<Q+D>	Dimensioning
<Q+F>	Patterns
<Q+G>	Detailing
<Q+H>	Accudraw
<Q+J>	Snaps
<Q+K>	Locks
<Q+L>	View Tools

ACCESSING QUICK TOOLS USING [

Shortcut	Tools
[+6	Attributes
[+7	Primary
[+8	Selection
[+9	Placement
[+0	Manipulate
[+ -	Modify
[+ =	Groups
[+Y	Mirror
[+U	Scale
[+I	Rotate
[+O	Copy
[+P	Move
[+T	Delete
[+[	Select
[+D	Measure
[+F	Text
[+G	Dimensioning
[+H	Detailing
[+J	Patterns
[+K	AccuDraw
[+L	Snaps
[+;	Locks
[+'	View Tools

ACCUDRAW SHORTCUTS

Key	Effect
<Enter>	Smart Lock - In Rectangular coordinates, locks X to 0 if the pointer is on the drawing plane y-axis or Y to 0 if the pointer is on the x-axis. In Polar coordinates, locks Angle to 0°, 90°, -90°, or 180° if the pointer is on a drawing plane axis or otherwise locks Distance to its last entered value.
<M>	Switches between Rectangular and Polar coordinates.
<O>	Moves the drawing plane origin to the current pointer position.
<V>	Rotates the drawing plane to align with the view axes. Pressing this key, a second time restores context-sensitive rotation.
<T>	Rotates the drawing plane to align with the axes in a standard Top view. Pressing this key, a second time restores context-sensitive rotation.
<F>	Rotates the drawing plane to align with the axes in a standard Front view. Pressing this key, a second time restores context-sensitive rotation.
<S>	Rotates the drawing plane to align with the axes in a standard Side view. Pressing this key, a second time restores context-sensitive rotation.
<B>	Rotates the drawing plane to align with the active ACS, or if you set up a rotation in the dialog, it will return you to that rotation. In a new file (where you haven't used an ACS yet) it will be the rotation of the view.

Key	Effect
<E>	Rotates between three main planes: top, front, and side (3D only). This also works when your original plane is an ACS or context rotation, so you do not have to use RX, RY to rotate to a 90° plane.
<X>	Switches the lock status for the X value.
<Y>	Switches the lock status for the Y value.
<Z>	Switches the lock status for the Z value.
<D>	Switches the lock status for the Distance value.
<A>	Switches the lock status for the Angle value.
<L, I>	Locks the current index state. If an axis or distance is not indexed, indexing is disabled. If an axis or distance is indexed, it is locked. The effect is temporary, lasting until a data point is entered or the shortcut is run again. This is useful if you need to index to one axis but not the other, or to enter a data point very close to an axis but not on the axis.
<L, P>	Switches the ACS Plane and ACS Plane Snap locks, and the Grid view attribute for all views.
<L, A>	Switches the ACS Plane lock.
<L, S>	Switches the ACS Plane snap lock.
<L, Z>	Switches the Sticky Z lock, which is used in conjunction with the ACS Plane Snap lock to force a series of snap points to lie on the active ACS' XY plane (Z=0).
<R, Q>	Used to quickly and temporarily rotate the drawing plane. The procedure is described in the Rotate Quick keyboard shortcut.

ACCUDRAW SHORTCUTS Continued

Key	Effect
<R, A>	Used to permanently rotate the drawing plane. Because it rotates the current ACS, this rotation will still be active after the tool in use is exited. If on, the tool setting Use Current Origin causes the drawing plane origin to be used as the x-axis origin, thereby eliminating the need to enter an extra data point. Of course, in many cases it is desirable to be able to define the x-axis origin at a different location than the drawing plane origin.
<R, C>	Rotates the drawing plane to the current ACS.
<R, E>	Rotates the drawing plane to match the orientation of a selected element.
<R, V>	Rotates the active view to match the current drawing plane.
<R, X>	Rotates the drawing plane 90° about its x-axis.
<R, Y>	Rotates the drawing plane 90° about its y-axis.
<R, Z>	Rotates the drawing plane 90° about its z-axis.
<?>	Opens the AccuDraw Shortcuts window.
<~>	Changes a control in the tool settings dialog (shortcut is ~, usually right below the <Esc> key — there is no need to press the <Shift> key). It finds the first enabled control in the tool settings dialog that is an option menu or a check box. If it is an option menu it selects the next valid value. If it is a check box it switches it from off to on or vice versa. For instance, if you are drawing a SmartLine and the focus is in the AccuDraw window, you can press the <~> key and it switches to arcs without moving the focus from the AccuDraw window.

Key	Effect
<G, T>	Moves focus to the Tool Settings window.
<G, K>	Opens (or moves focus to) the Key-in window
<G, S>	Opens (or moves focus to) the AccuDraw Settings dialog
<G, A>	Opens the Get ACS dialog, which lets you select a saved Auxiliary Coordinate System.
<W, A>	Opens the Write to ACS dialog, which lets you save the drawing plane alignment as an ACS.
<P>	Opens the Data Point Key-in dialog for entering a single data point.
<M>	Opens the Data Point Key-in dialog for entering multiple data points.
<I>	Activates Intersect snap mode.
<N>	Activates Nearest snap mode.
<C>	Activates Center snap mode.
<K>	Opens the Keypoint Snap Divisor dialog, which is used to set the Snap Divisor for keypoint snapping.
<H, A>	Suspends AccuDraw for the current tool operation. Selecting a new tool, or entering a Reset re-enables AccuDraw.
<H, S>	Turns AccuSnap on or off.
<H, U>	Suspends AccuSnap for the current tool operation. Selecting a new tool, or entering a Reset re-enables AccuSnap.
<Q>	Deactivates AccuDraw.

AutoCAD COMMANDS AND WORKFLOWS

AutoCAD users feel at home with MicroStation as it offers the following features to ensure a seamless migration for users upgrading their workflows to Bentley:

- AutoCAD commands supported as Key-ins

AutoCAD Command	AutoCAD Command shortcut	MicroStation Key-in	Description
ALIGN	AL	ALIGN 3D	Select objects to align
CAMERA	CAM	CAMERA SETUP	Opens the Place Camera tool
CTABLESTYLE	CT	PLACE TABLE & TABLE SETTING SEED BYNAME <SeedName>	Sets the name of the current table style
ADCENTER	ADC	DIALOG EXPLORER OPEN	Opens Explorer
PROPERTIES	CH	DIALOG PROPERTIES OPEN	Opens Properties dialog to change the properties
DIMARC	DAR	DIMCREATE ANGULAR ARCSIZE	Creates arc dim., select arc or pline arc segment
DIMCENTER	DCE	DIMCREATE CENTER MARK	Creates the center mark or the centerlines of circles and arcs
DIMCONTINUE	DCO	DIMCREATE LINEAR SIZE	Creates continuous dimension
ATTIPEDIT	ATI	EDIT TAGS	Selects tags to edit
DIMBASELINE	DBA	DIMCREATE LINEAR STACKED	Selects the start dim. To continue stacked
ARC	A	PLACE ARC ICON	Places arc
CYLINDER	CYL	PLACE CYLINDER ICON	Places cylinder
CHECKSTANDARDS	CHK	STANDARDSCHECKER DIALOG	Opens the Standards Checker
MEASURE	ME	MEASURE	Select objects to measure

AutoCAD COMMANDS AND WORKFLOWS Continued

AutoCAD Command	AutoCAD Command shortcut	MicroStation Key-in	Description
3DWALK	3DW	NAVIGATE CUSTOM WALK	3d walk
3DMOVE	3M	MOVE ELEMENT	3d move
3DROTATE	3R	ROTATE ICON	3d rotate
3DNAVIGATE	3DWALK	NAVIGATE VIEW	3d navigate
DIMEDIT	DED	MODIFY ELEMENT	Edits dim. text or dim. line
OSNAP	OS	DIALOG ACCUSNAP	Invokes the Drafting Settings dialog for object snaps
MSPACE	MS	MODEL ACTIVE <ModelName>	Switches from paper space to a model space viewport
IMPORT	IMP	IMPORT	Imports files of different formats into the current drawing

AutoCAD COMMANDS AND WORKFLOWS Continued

AutoCAD commands (with the DWG prefix) that you can use in MicroStation. Alternatively, you can use a command prefix plus an alias from a PGP file to define shortcuts to these commands.

AutoCAD Key-in	Description	Similar MicroStation Tool or Key-in
DWG 3DFACE	Places a face.	Key-in: **PLACE SHAPE ICON**
DWG 3DPOLY	Places a line.	Key-in: **PLACE LINE CONSTRAINED**
DWG ARC	Places an arc.	Key-in: **PLACE ARC ICON**
DWG AREA <OBJECT | Add | POINTS>	Measures area and perimeter. If set to Object, measures the area of an element. If set to Add, measures the area of an area bounded by the union of two or more closed planar elements. If set to Points (default), measures the planar area with its vertices defined by a series of data points.	Key-ins: **MEASURE AREA ELEMENT, MEASURE AREA UNION , MEASURE AREA POINTS**
DWG ARRAY	Copies an element many times to create an array.	Key-in: **ARRAY ICON**
DWG ATTDEF	Defines tags.	Key-in: **DIALOG TAGS SETS**
DWG ATTEDIT	Modifies values for tags.	Key-in: **EDIT TAGS**
DWG AUNITS <0 | 1 | 2 | 3>	Sets the units for angles. 0 = decimal degrees. 1 = degrees/minutes/seconds. 2 = gradians. 3 = radians.	—
DWG AUPREC <#>	Sets the number of decimal places for angle units.	—
DWG BASE <x,y>	Sets the insertion base point for the current model. The insertion base point is used when the model is referenced into another model.	—
DWG BHATCH	Defines hatches.	Key-in: **DIALOG TOOLBOX PATTERNS**
DWG BLOCK	Defines a cell.	Key-in: **DIALOG CELL MAINTENANCE** and **DEFINE CELL ORIGIN**

AutoCAD COMMANDS AND WORKFLOWS Continued

AutoCAD Key-in	Description	Similar MicroStation Tool or Key-in
DWG BREAK	Deletes part of an element.	Key-in: **DELETE PARTIAL**
DWG CECOLOR <color_#>	Sets the color for new elements.	Key-in: **ACTIVE COLOR**
DWG CELTSCALE <scale_factor>	Sets the line style scale factor for new elements, relative to the global scale factor. When a new element is created, the actual line style scale factor is the CELTSCALE value multiplied by the LTSCALE value.	**Line Styles dialog**, Scale factor setting
DWG CELTYPE <0–7 | name>	Sets the line style for new elements. # = standard line style number 0–7. Name = name of a custom line style.	Key-in: **ACTIVE STYLE**
DWG CHAMFER	Constructs a chamfer.	Key-in: **CHAMFER**
DWG CHAMFERA <distance_value>	Sets chamfer distance 1.	**Construct Chamfer tool,** Distance 1 setting
DWG CHAMFERB <distance_value>	Sets chamfer distance 2.	**Construct Chamfer tool**, Distance 2 setting
DWG CHANGE	Lets you modify element attributes.	Key-in: **CHANGE ICON**
DWG CIRCLE	Places a circle.	Key-in: **PLACE CIRCLE ICON**
DWG CLAYER <layer_name>	Sets the level (DWG layer) for new elements.	Key-in: **ACTIVE LEVEL**
DWG CMLJUST <0 | 1 | 2>	Specifies justification for multi-lines. 0 = top. 1 = middle. 2 = bottom.	—
DWG COPY	Copies elements.	Key-in: **COPY ICON**
DWG DATE	(Read only.) Lists the current date and time in the format: <Julian day number.><Decimal fraction of a day>.	—
DWG DDATTDEF	Defines tags.	Key-in: **DIALOG TAGS SETS**
DWG DDATTE	Lets you modify values for tags.	Key-in: **EDIT TAGS**
DWG DDCOLOR	Lets you modify the active color table.	Key-in: **DIALOG COLOR**

AutoCAD COMMANDS AND WORKFLOWS Continued

AutoCAD Key-in	Description	Similar MicroStation Tool or Key-in
DWG DDEDIT	Edits text.	Key-in: **EDIT TEXT**
DWG DDIM	Defines dimension style settings.	Key-in: **DIALOG DIMSTYLES OPEN**
DWG DDINSERT	Places a cell.	Key-in: **PLACE CELL ICON**
DWG DDUCS	Manages auxiliary coordinate system (ACS).	Key-in: **DIALOG COORDSYS**
DWG DDVIEW	Manages saved views.	Key-in: **SHOW VIEWS**
DWG DIMALIGNED	Places a linear dimension parallel to the element being dimensioned.	Key-in: **DIMENSION AXIS TRUE** and **DIMCREATE LINEAR SIZE**
DWG DIMANGULAR	Dimensions the angle between two lines.	Key-in: **DIMCREATE ANGULAR LINES**
DWG DIMCENTER	Places a center mark at the center of a circle or arc.	Key-in: **DIMENSION CENTER MARK**
DWG DIMLINEAR	Dimensions the linear distance between two points (length) .	Key-in: **DIMCREATE LINEAR SIZE**
DWG DIMORDINATE	Labels distances along an axis from an origin (datum) along the ordinate axis (the line along which the distances are measured).	Key-in: **DIMCREATE ORDINATE**
DWG DIMRADIUS	Dimensions the radius of a circle or a circular arc.	Key-in: **DIMCREATE ELEMENT RADIUS**
DWG DIMSTYLE	Controls dimension settings.	Key-in: **DIALOG DIMSTYLES OPEN**
DWG DIST	Measures distance.	Key-in: **MEASURE DISTANCE POINTS**
DWG DTEXT	Places text.	Key-in: **PLACE TEXT ICON**
DWG DWGCODEPAGE	Shows system code page.	—
DWG ELLIPSE	Places an ellipse.	Key-in: **PLACE ELLIPSE ICON**
DWG ERASE	Deletes an element.	Key-in: **DELETE ELEMENT**
DWG EXPLODE	Breaks up elements into smaller components.	Key-in: **DROP ELEMENT**

AutoCAD COMMANDS AND WORKFLOWS Continued

AutoCAD Key-in	Description	Similar MicroStation Tool or Key-in
DWG EXTEND ELEMENT INTERSECTION	Extends elements to an intersection.	Key-in: **EXTEND ELEMENT 2** and **EXTEND**
DWG EXTRUDE	(3D only) Creates a surface or solid — a complex 3D element generated by linearly extruding a profile element a defined distance.	Key-in: **CONSTRUCT SURFACE PROJECTION**
DWG FILLET	Constructs a circular fillet (arc) between two elements.	Key-in: **FILLET ICON**
DWG FILLETRAD	Stores the current fillet radius value.	Key-in: **FILLET ICO**N , Radius setting
DWG FILLMODE <0 | 1>	If set to 1, closed elements are filled. If set to 0, closed elements are not filled. (Click Update View to see changes.)	Key-in: **ACTIVE FILL**
DWG GRIDMODE <0 | 1>	If set to 1, displays the grid. If set to 0, the grid is not displayed.	Key-in: **SET GRID**
DWG GRIDUNIT <unit>	Specifies the grid spacing for the current view.	Key-in: **ACTIVE GRIDUNIT**
DWG GROUP	Creates and manages groups.	Key-in: **GROUP ADD**
DWG HATCH	Defines hatches.	Key-in: **DIALOG TOOLBOX PATTERNS**
DWG HIDE	Turns on rendering in hidden line mode.	Key-in: **RENDER ALL HIDDEN**
DWG HPANG <angle>	Specifies the hatch angle.	**Hatch Area too**l, **Crosshatch Area tool**, Angle setting
DWG HPNAME <name>	Specifies the hatch pattern name.	**Pattern Area tool**, Pattern Cell setting
DWG HPSCALE <#>	Specifies the **hatch pattern** scale factor.	—
DWG HPSPACE	Specifies the **hatch pattern** line spacing.	**Hatch Area tool**, **Crosshatch Area too**l, Angle setting
DWG IMAGE	Controls the display of raster images in a DGN file view.	Key-in: **DIALOG RASTER**

AutoCAD COMMANDS AND WORKFLOWS Continued

AutoCAD Key-in	Description	Similar MicroStation Tool or Key-in
DWG IMAGEADJUST	Controls the image display (brightness, contrast, and fade values).	Key-in: **RASTER DLGGENERAL OPEN**
DWG IMAGEATTACH	Attaches raster references to the active design file.	Key-in: **RASTER ATTACH INTERACTIVE**
DWG IMAGECLIP	Crops a raster image using a clipping boundary.	Key-in: **RASTER TOOLCLIP**
DWG INSBASE <X, Y>	Sets the insertion base point for the current model. The insertion base point is used when the model is referenced into another model.	—
DWG INSERT	Places a cell.	Key-in: **PLACE CELL ICON**
DWG INSERTOBJ	Inserts new objects into your file.	Key-in: **OLECNTR INSERT**
DWG INSUNITS <0 — 20>	Sets the Design Center Units for a DWG file in MicroStation. Use a value between 0–20 to specify the units: 0 — Unspecified (no units) 1 — Inches 2 — Feet 3 — Miles 4 — Millimeters 5 — Centimeters 6 — Meters 7 — Kilometers 8 — Microinches 9 — Mils 10 — Yards 11 — Angstroms 12 — Nanometers 13 — Microns 14 — Decimeters 15 — Decameters 16 — Hectometers 17 — Gigameters 18 — Astronomical Units 19 — Light Years 20 — Parsecs	—
DWG INTERFERE	(3D only) Constructs a solid that is the intersection of two or more overlapping solids.	Key-in: **CONSTRUCT INTERSECTION**
DWG INTERSECT	Constructs a solid that is the intersection of two or more overlapping solids.	Key-in: C**ONSTRUCT INTERSECTION**

AutoCAD COMMANDS AND WORKFLOWS Continued

AutoCAD Key-in	Description	Similar MicroStation Tool or Key-in
DWG ISOLINES <#>	Sets the number of isolines used to display solids and B-spline surfaces.	3D and B-spline dialog, Surface/Solid Iso Lines setting
DWG LAYER	Controls level display and level symbology.	Key-in: **LEVEL MANAGER DIALOG OPEN**
DWG LEADER	Places a note with a leader line.	Key-in: **PLACE NOTE**
DWG LINE	Creates line segments.	Key-in: **PLACE LINE CONSTRAINED**
DWG LINETYPE	Activates line styles and sets line style modifiers.	Key-in: **LINESTYLE SETTINGS**
DWG LOCALE	Shows the ISO language code.	—
DWG LTSCALE <scale_factor>	Sets the global scale factor for line styles.	Key-in: **ACTIVE LINESTYLESCALE**
DWG MATCHPROP	Matches element attributes.	Key-in: **MATCH ELEMENT**
DWG MIRROR	Mirrors an element.	Key-in: **MIRROR ICON**
DWG MLINE	Places a multi-line (multiple parallel lines).	Key-in: **PLACE MLINE**
DWG MOVE	Moves an element.	Key-in: **MOVE ICON**
DWG MTEXT	Places text.	Key-in: **PLACE DIALOGTEXT ICON**
DWG OFFSET	Moves or copies an element parallel to the original.	Key-in: **MOVE PARALLEL OFFSET**
DWG ORTHOMODE <0 | 1>	Turns on Axis lock.	Key-in: **LOCK AXIS**
DWG PAN	Shifts the view to a different part of the design.	Key-in: **PAN VIEW**
DWG PASTESPEC	Applies a special display format to contents of the clipboard.	Key-in: **CLIPBOARD PASTESPECIAL**
DWG PLINE	Places a chain of connected line segments and arc segments.	Key-in: **PLACE SMARTLINE**
DWG PLINEGEN <0 | 1>	If set to 1, defines the way that line styles are controlled for line strings and shapes. If set to 0, the pattern will restart for each segment.	—

AutoCAD COMMANDS AND WORKFLOWS Continued

AutoCAD Key-in	Description	Similar MicroStation Tool or Key-in
DWG PLINEWID <width>	Defines the width for wide custom line styles. Note that AutoCAD only supports width on polylines.	Line Styles dialog, Width settings
DWG PLOT	Creates printed output.	Key-in: **DIALOG PLOT**
DWG POINT	Places the active point.	Key-in: **PLACE POINT**
DWG POLYGON	Places a polygon.	Key-in: **PLACE POLYGON ICON**
DWG PSLTSCALE <0 | 1>	Controls how line styles are scaled in AutoCAD layout viewports. (Note: MicroStation treats layout viewports as reference attachments (referred to below as viewport attachments). If set to 0, then the line styles within viewport attachments are based on the units in which the model was created, and therefore are not affected by the scale of the sheet model. If set to 1, then the line styles within viewport attachments are based on sheet model units.	—
DWG QUIT	Exits MicroStation.	Key-in: **EXIT**
DWG RECTANG DWG RECTANGLE	Places a block.	Key-in: **PLACE BLOCK ICON**
DWG REDRAW	Updates the views.	Key-in: **UPDATE VIEW EXTENDED**
DWG REDRAWAll	Updates the views.	Key-in: **UPDATE VIEW EXTENDED**
DWG REGEN	Updates the views.	Key-in: **UPDATE VIEW EXTENDED**
DWG REGENALL	Updates the views.	Key-in: **UPDATE VIEW EXTENDED**
DWG REGION	Creates a complex shape from a region.	Key-in: **CREATE REGION ICON**
DWG RENDER	Controls rendering settings.	Key-in: **DIALOG RENDER**

AutoCAD COMMANDS AND WORKFLOWS Continued

AutoCAD Key-in	Description	Similar MicroStation Tool or Key-in
DWG REVOLVE	(3D only) Creates a surface of revolution.	Key-in: **CONSTRUCT SURFACE REVOLUTION**
DWG ROTATE	Rotates elements.	Key-in: **ROTATE ICON**
DWG RPREF	Sets rendering settings.	Key-in: **DIALOG RENDER**
DWG SCALE	Resizes an element.	Key-in: **SCALE ICON**
DWG SECTION	Trims elements to a common intersection.	Key-in: **CONSTRUCT TRIM**
DWG SHADE	Turns on screen rendering (shading).	Key-in: **RENDER ICON**
DWG SLICE	Subtracts the volume of one or more solids from another solid.	Key-in: **CONSTRUCT DIFFERENCE**
DWG SNAPANG <angle>	Sets the snap and grid rotation angle for the current view.	Key-in: **ACTIVE GRIDANGLE**
DWG SNAPBASE <X, Y>	Sets an origin point for the grid.	—
DWG SNAPMODE <0 | 1>	If set to 1, each data point is forced to lie at coordinates that are multiples, in each dimension, of the (Unit) Distance.	Key-in: **LOCK UNIT**
DWG SOLID	Places a four-sided filled polygon shape.	Key-in: **PLACE SHAPE ICO**N
DWG SPELL	Reviews text for spelling errors.	Key-in: **SPELLCHECK**
DWG SPLFRAME <0 | 1>	If set to 1, displays the control polygon of each B-spline curve. Also displays invisible edges of mesh elements. If set to 0, the control polygons and invisible edges are not displayed.	Key-in: **SET INVISGEOM**
DWG SPLINE	Places a B-spline curve.	Key-in: **PLACE BSPLINE CURVE**
DWG SPLINEDIT	Edits a spline.	Key-in: **DIALOG TOOLBOX CURVEMODIFY TOGGLE**
DWG STYLE	Creates and modifies text styles.	Key-in: **TEXTSTYLE DIALOG OPEN**
DWG SUBTRACT	Subtracts the volume of solids from another solid.	Key-in: **CONSTRUCT DIFFERENCE**

AutoCAD COMMANDS AND WORKFLOWS Continued

AutoCAD Key-in	Description	Similar MicroStation Tool or Key-in
DWG SURFU <#>	Sets the number of rule lines for the surface's U parameter.	Evaluate Surface tool, Number of Points setting
DWG SURFV <#>	Sets the number of rule lines for the surface's V parameter.	Evaluate Surface tool, Number of Points setting
DWG SYSCODEPAGE	Shows the system code page.	—
DWG TEXT	Places text.	Key-in: **PLACE TEXT ICON**
DWG TEXTSIZE <#>	Sets the default height for new text created with the active text style.	—
DWG TEXTSTYLE <name>	Sets the name of the active text style.	Key-in: **TEXTSTYLE ACTIVE**
DWG TOOLBAR	Displays and customizes toolboxes.	Key-in: **DRAFTPAL OPENTOOLBOX**
DWG TORUS	Places a torus (donut-shaped solid).	Key-in: **PLACE TORUS**
DWG TRIM	Simultaneously trims multiple elements.	—
DWG UCSICON <0 | 1>	If set to 1, a coordinate triad representing the Active Auxiliary Coordinate System (ACS) displays. If set to 0, the ACS triad does not display.	Key-in: **SET ACSDISPLA**Y
DWG UCSORG <X, y, Z>	Sets the ACS origin for the current view.	ACS origin.
DWG UCSXDIR <X, Y, Z>	(Read only.) Sets the X direction of the active ACS for the current view.	ACS X Direction.
DWG UCSYDIR <X, Y, Z>	(Read only.) Sets the Ydirection of the active ACS for the current view.	ACS X Direction.
DWG UNION	Unites two or more overlapping solids.	Key-in: **CONSTRUCT UNION**
DWG UNITS	Sets the Design Center Units (AutoCAD system variable INSUNITS) for a DWG file in MicroStation. Opens the DWG/DXF dialog, where you can change the unit settings.	—

AutoCAD COMMANDS AND WORKFLOWS *Continued*

AutoCAD Key-in	Description	Similar MicroStation Tool or Key-in
DWG VISRETAIN <0 | 1>	If set to 1, changes to the level attributes for attached references are saved from session to session. If set to 0, changes to the level attributes for attached references are valid for the current session only; they are not saved.	Key-in: **SET REFLEVELOVERRIDES**
DWG WBLOCK	Writes a new DWG file from one of the following: the entire design file a group of selected objects a shared cell definition within the current file	—
DWG XATTACH	Attaches a reference to the active model.	Key-in: **ATTACH REFERENCE**
DWG XBIND MERGE	Merges references into the master DGN file.	Key-in: **DIALOG REFERENCE and REFERENCE**
DWG XCLIP	Defines a clipping boundary.	Key-in: **REFERENCE CLIP**
DWG XCLIPFRAME <0 | 1>	If set to 1, turns on display of reference clip boundaries. If set to 0, turns off display of reference clip boundaries.	Key-in: **DIALOG REFERENCE**
DWG XREF	Defines references (XREFs).	Key-in: **DIALOG REFERENCE**
DWG ZOOM	Changes the magnification of the view.	Key-in: **ZOOM IN** and **ZOOM OUT**

THE GENERAL WORKFLOW

The General workflow in MicroStation offers a user interface that is analogous to the AutoCAD UI. You can select General from the workflow drop-down menu in the Quick Access Toolbar to switch to this workflow.

THE DARK THEME

The Dark themed user interface in combination with the General workflow makes the MicroStation UI even more familiar for users newly migrating from AutoCAD. You can enable the Dark Theme in the File > Settings > User Preferences > Look and Feel category.

DWG WORKSET WIZARD

The DWG WorkSet Wizard helps you create a WorkSet for your Projects using DWG and migrate folders to CONNECT Configuration.

REALDWG 2021 SUPPORT

MicroStation has updated RealDWG Libraries to support RealDWG 2021, for utmost compatibility.

For more information about using MicroStation visit the MicroStation page of Bentley Communities.

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