



AutoCAD Cheat Sheet

(80+ Commands & Shortcuts)

DRAWING COMMANDS

Command	Full Form	Description
AL	Align	Aligns an object with another object by specifying source and destination points. Allows scaling of source objects relative to the destination object.
AP	Append	Appends one object to the other by overlapping or combining them.
AR	Array	Creates an array of objects based on a desired profile.
ARC	Arc	Creates an arc by specifying the starting point/center and two endpoints.
BH / H	Hatch	Applies a hatch pattern with a color or gradient effect to a closed area in the drawing.
BR	Break	Breaks an object into two parts.
BS	Block Save	Saves a particular object as a block for future reference.
C	Circle	Inserts a circle by selecting a starting point and entering the radius.
CHA	Chamfer	Creates a chamfer, i.e., a symmetrical sloping surface between two non-parallel lines.
CO	Copy	Duplicates a specific object at a different location as per the need.
DI	Distance	Measures the angle and distance between two points in a drawing.
DIV	Divide	Divides an object into smaller segments, such as dividing a line into multiple shorter lines.
EX	Extend	Extends or stretches an object to meet another object's size.
L	Line	Draws a simple line by defining the starting point and endpoint. Can also define the line using an angle and radius.
LA	Layer	Manages layers inside the drawing through a dialogue box.
LO	Layout	Creates and modifies different drawing layout tabs.
ML	Multiple Lines	Draws multiple parallel lines.
MI	Mirror	Creates a mirror image of a particular object.
MT	Text	Creates a text object for writing a multi-line paragraph.
OF	Offset	Creates a parallel copy of an object at a specific distance.

PE	Polyline Edit	Edits a polyline, allowing closure, joining, width adjustment, vertex editing, fitting lines, or converting polylines into splines or de-curve lines.
PL	Polyline	Creates a polyline in the drawing, with each endpoint connected to the start of the next line segment.
POL	Polygon	Constructs a polygon by specifying the number of edges and the center. Can be inscribed or circumscribed.
RA	Ray	Draws a semi-infinite line (ray) from a particular point.
REC	Rectangle	Specifies the length and breadth of a rectangular polyline by defining a starting point and a point diagonally opposite.
RO	Rotate	Rotates an object to a specific point by selecting the object and a base point for rotation.
ROt	Rotate3D	Rotates an object in 3D space by selecting an axis and angle.
SC	Scale	Resizes an object using a scale of measurement.
SL	Slice	Divides a 3D surface using a cutting plane.
SM	Move	Moves specific objects to a new desired location.
ST	Stretch	Stretches a particular object up to a specific point.
TB	Table	Inserts a table with a desired number of rows and columns into the drawing.
TR	Trim	Trims an object based on another object.
TRi	Trim3D	Trims a 3D surface based on another 2D or 3D object.
XL	Extended Line	Creates a line of a specific length.

EDITING COMMANDS

Command	Full Form	Description
E	Erase	Erases the selected object from the AutoCAD window.
F	Fillet	Creates a fillet/arc between two intersecting lines.
I	Insert	Inserts a block from a specified location into the drawing.
LWE	LwPolylineEdit	Edits a lightweight polyline by adding or removing vertex points.
MIRR	Mirror3D	Creates a duplicate (mirrored) copy of a particular 3D object.
RE	Regen	Regenerates the drawing, considering existing updates.
REN	Rename	Renames layers and blocks inside the drawing.
U	Undo	Undoes the previous commands.
UN	Units	Selects the measuring units of the drawing, such as units, inches, millimeters, etc.

TEXT AND ANNOTATION COMMANDS

Command	Full Form	Description
DT	Text	Creates a text box for entering a single sentence.
DRM	Drawing Recovery Manager	Displays previous, ongoing projects unsaved due to system failure, acting as an Auto Drawing Recovery.
J	Join	Joins objects together to create a new object by overlapping the existing ones.
JPGOUT	JPEG Output	Saves the AutoCAD drawing in .jpeg format.
ME	Measure	Measures the dimensions of an object.
SP	Spell Check	Checks the spelling of all words inside the drawing.
T	Text	Inserts multi-line text into the drawing.

OBJECT MANIPULATION COMMANDS

Command	Full Form	Description
DL	Delete	Deletes a particular object from the drawing.
GD	Gradient Fill	Fills a particular area with a gradient effect.
G	Group	Groups multiple objects into a single object.
M	Move	Moves an object to another position by selecting the object and specifying the new location.
PU	Purge Unused	Opens a dialogue box to remove unused or unwanted elements from the drawing.
RS	Rotate/Scale	Rotates or Scales an object by specifying the parameters.

MISCELLANEOUS COMMANDS

Command	Full Form	Description
CHK	Check Standards	Performs a check for violations of standards in the drawing.
CLI	Command Line Interface	Shows the command line in every drawing.
COL	Color	Opens a dialogue box to choose the desired color.
IMP	Import	Helps to insert a file of any format into the drawing.
QC	QuickCalc	Opens QuickCalc for smooth calculations.
QSAVE	Quick Save	Saves the ongoing drawing.
Z	Zoom	Enables the user to zoom in or zoom out, increasing or decreasing the screen size.

AutoCAD SHORTCUTS

Shortcut Key	Purpose
CTRL+E	To shift between system displays.
CTRL+F	To display snap points with the help of the cursor.
CTRL+G	To enable or disable grid display.
CTRL+H	To switch between different styles.
CTRL+SHIFT+H	To show or hide color palettes.
CTRL+I	To shift between the display of the coordinates in the status bar.
CTRL+SHIFT+I	To apply geometric restrictions on the objects.
CTRL+0 (zero)	Clean the screen by hiding the ribbon, palettes, and toolbar. This is useful to increase the drawing area size.
CTRL+1	To open the Property Palette that displays the properties of a particular object.
CTRL+2	To open the Design Centre Palette. This palette allows the user to manage the drawings internally and externally.
CTRL+3	To open the Tool Palette that contains various tools, commands, and blocks.
CTRL+4	To open the Sheet Set Palette for managing multiple sheets and layouts.
CTRL+6	To open the DBConnect Manager that connects the user to external databases.
CTRL+7	To open the Markup Set Manager Palette, which helps organize and analyze annotations.
CTRL+8	To open QuickCalc for calculations and conversion of units of measurement.
CTRL+9	To determine the position of the command line that helps the user to enter prompts or commands.