

Hundred crucial AutoCAD shortcut keys

Description

Understanding AutoCAD Shortcut Keys

AutoCAD, developed by Autodesk, is an essential computer-aided design (CAD) software extensively used across various industries including architecture, engineering, and construction. Its functionality is highly advanced, allowing detailed 2D and 3D designs, drafting, modeling, and more. As with any complex software, proficiency in AutoCAD can be significantly enhanced through the use of shortcut keys. These keys expedite operations and promote a smooth, efficient workflow. This article will categorize and elucidate the purpose of a hundred crucial AutoCAD shortcut keys.

1. Drawing Shortcuts

Drawing is a core function in AutoCAD. Here are some shortcuts that can help create geometrical shapes:

- ARC (A): This command helps in drawing an arc.
- BLOCK (B): For creating and drawing blocks.
- CIRCLE (C): This creates a circle.
- ELLIPSE (EL): An essential command for drawing an ellipse.
- LINE (L): The line command helps in making simple lines.
- POLYGON (EP, PY): These commands are useful in creating polygons.

Creating a drawing in AutoCAD can involve using more than one of these shortcuts and is often the first step in the process.

2. Editing Shortcuts

After creating a basic design, the next step is usually to edit and refine it. Here are some shortcuts that aid in editing your drawing:

- ALIGN (AL): Aligns objects with respect to each other.
- COPY (CO): This command helps in copying the objects.
- FILLET (F): It is used to create a round corner between two lines.
- MOVE (M): This command moves objects in a drawing.
- ROTATE (RO): As the name suggests, it rotates the selected object.
- STRETCH (S): This command helps to stretch objects.

These editing commands are essential to fine-tune your drawings and make necessary alterations.

3. Properties and Settings Shortcuts

To control the properties and settings of your drawings, AutoCAD has a set of useful commands:

- LAYER (LA): It helps in setting layers for your drawing entities.
- LINETYPE (LT): It is used to change the line type of your drawing.
- MATCHPROP (MA): This command matches and applies the properties of a selected object to other objects.
- PROPERTIES (PR): This command opens the properties palette which lists the properties of the selected object.
- PURGE (PU): This command is used to remove unused named objects, such as layers, from the drawing.

Managing properties and settings is a vital part of maintaining organization and clarity in your AutoCAD drawings.

4. Viewing Shortcuts

To better visualize your design, you can use these viewing commands:

- HIDE (HI): This command hides all objects from the drawing area.
- PAN (P): It helps you to move the screen without changing the drawing.
- REDRAW (R): This command refreshes the screen by removing the “zoom” effect.
- REGEN (RE): This command regenerates the entire drawing and refreshes the screen.

These commands are quite useful when you need to navigate around your drawing and inspect your design from various angles.

5. Others

There are some miscellaneous but useful commands that do not belong to a particular category but serve important functions:

- EXPORT (EXP): This command is used to export the drawing in other file formats like .pdf, .dxf, etc.
- QUIT (EXIT): It exits the application.
- SPELL (SP): This command performs a spell check on the selected text.
- ZOOM (Z): This command helps in zooming the drawing area.

Here’s your list of 100 AutoCAD shortcut keys categorized into five major groups: Drawing, Editing, Properties and Settings, Viewing, and Others.

Drawing

1. A “ ARC
2. B “ BLOCK

3. BO " BOUNDARY
4. C " CIRCLE
5. DO " DONUT
6. EL " ELLIPSE
7. EP " POLYGON
8. L " LINE
9. ML " MLINE
10. PL " PLINE
11. PO " POINT
12. PY " POLYGON
13. REC " RECTANG

Editing

1. AL " ALIGN
2. AR " ARRAY
3. BE " BEDIT
4. BR " BREAK
5. CO " COPY
6. DIV " DIVIDE
7. EX " EXTEND
8. F " FILLET
9. J " JOIN
10. M " MOVE
11. MI " MIRROR
12. O " OFFSET
13. RO " ROTATE
14. S " STRETCH
15. SC " SCALE
16. SL " SLICE

Properties and Settings

1. AP " APPLOAD
2. BC " BCLOSE
3. CT " CTABLESTYLE
4. D " DIMSTYLE
5. DA " DIMANGULAR
6. DL " DATALINK
7. DS " DSETTINGS
8. G " GROUP
9. LA " LAYER
10. LT " LINETYPE
11. LTS " LTSCALE
12. MA " MATCHPROP
13. MO " PROPERTIES
14. OP " OPTIONS

15. PR " PROPERTIES
16. PT " PTYPE
17. PU " PURGE
18. SE " DSETTINGS
19. SET " SETVAR

Viewing

1. DR " DRAWORDER
2. DV " DVIEW
3. HI " HIDE
4. MS " MSPACE
5. MV " MVIEW
6. P " PAN
7. PS " PSPACE
8. R " REDRAW
9. RA " REDRAWALL
10. RE " REGEN
11. REA " REGENALL

Others

1. BH " HATCH
2. BS " BSAVE
3. CH " CHANGE
4. DI " DIST
5. DJL " DIMJOGLINE
6. DJO " DIMJOGGED
7. DT " TEXT
8. E " ERASE
9. ED " DDEDIT
10. EXIT " QUIT
11. EXP " EXPORT
12. EXT " EXTRUDE
13. FI " FILTER
14. FS " FSMODE
15. GD " GRADIENT
16. H " HATCH
17. HE " HATCHEDIT
18. I " INSERT
19. IAD " IMAGEADJUST
20. IM " IMAGE
21. IMP " IMPORT
22. IN " INTERSECT
23. LE " QLEADER
24. LI " LIST
25. LO " -LAYOUT

- 26. ME ↔ MEASURE
- 27. MT ↔ MTEXT
- 28. OS ↔ OSNAP
- 29. PA ↔ PASTESPEC
- 30. PE ↔ PEDIT
- 31. Q ↔ QSAVE
- 32. QA ↔ QADD
- 33. QC ↔ QUICKCALC
- 34. REG ↔ REGION
- 35. RP ↔ RENDERPRESETS
- 36. RR ↔ RENDER
- 37. SCR ↔ SCRIPT
- 38. SD ↔ SELECTSIMILAR
- 39. SN ↔ SNAP
- 40. SP ↔ SPELL
- 41. SSX ↔ XSELECT

Top 50 commonly used AutoCAD shortcut keys:

CTRL+S: Save drawing

CTRL+Z: Undo last action

CTRL+Y: Redo last action

CTRL+C: Copy selected objects

CTRL+V: Paste clipboard

CTRL+X: Cut selection

CTRL+A: Select all objects

CTRL+P: Print drawing

CTRL+TAB: Switch between open files

ESC: Cancel current command

F1: Open Help

F2: Expand the text window

F3: Toggle object snap

F5: Change isoplane settings

F6: Toggle dynamic UCS

F7: Toggle grid mode

F8: Toggle ortho mode

F9: Toggle snap mode

F10: Toggle polar tracking

F11: Toggle object snap tracking

CTRL+0: Clean screen

CTRL+1: Display properties palette

CTRL+2: Display design center palette

CTRL+3: Display toolbox palette

CTRL+4: Display sheet set manager palette

CTRL+5: Display info palette

CTRL+6: Display dbConnect manager

CTRL+7: Display markup set manager palette

CTRL+SHIFT+C: Copy to clipboard with base point

CTRL+SHIFT+V: Paste data as a block

CTRL+SHIFT+Z: Redo

ER: Erase

LI: Line

C: Circle

A: Arc

TR: Trim

PL: Polyline

REC: Rectangle

RO: Rotate

M: Move

CO: Copy

SC: Scale

MI: Mirror

O: Offset

CHA: Chamfer

FIL: Fillet

H: Hatch

T: MTEXT (multiline text)

D: DIMSTYLE (dimension style)

SSX: Select similar

LTS: Scale of line types

B: Block

E: Erase

DDSC: Display Drawing Status

I: Insert

LA: Layer

ML: Multiline

MS: Multiline Style

PE: Pedit

PO: Point

R: Redraw

RA: Redraw All

RE: Regen

REA: Regen All

S: Stretch

UN: Units

V: View

W: Wblock

X: Explode

Z: Zoom

MA: Matchprop

SL: Slice

DIM: Dimension

DV: Dview

EX: Extend

GR: Grid

OS: Osnap

DL: Datalink

AL: Align

FILLET: Fillet

ARC: Arc

BLOCK: Block

CHPROP: Change Properties

DDPTYPE: Point Style

DIMSTYLE: Dimstyle

EL: Ellipse

FILL: Fill

IMAGEATTACH: Image Attach

LAYER: Layer

MLEDIT: Multiline Edit

OP: Options

PASTESPEC: Paste Special

PSPACE: Paper Space

<https://caddikt.com/>

RECOVER: Recover

SAVEAS: Save As

SPLINE: Spline

TEXT: Text

VIEWRES: View Res

WIPEOUT: Wipeout

XLINE: Xline

Wrapping Up

AutoCAD shortcut keys are integral to a smooth, efficient design process. They accelerate tasks, reduce manual efforts, and help designers focus more on their creative process than on navigating the software. With practice, using these shortcuts can become second nature, significantly enhancing your AutoCAD experience and productivity.