

CAD ÇİZİM KOMUTLARI

	Display Help	Toggle text screen	Toggle object snap mode	Toggle 3DOsnap	Toggle Isoplane	Toggle Dynamic UCS	Toggle grid mode	Toggle ortho mode	Toggle snap mode	Toggle polar mode	Toggle object snap tracking	Toggle dynamic input mode				
Esc	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12	PrtScn SysRq	ScrLK	Pause Break	
~	!	@	#	\$	%	^	&	*	()	-	+	Backspace		Home	End
Tab	Q QSAVE	W WBLOCK	E ERASE	R REDRAW	T MTEXT	Y	U	I INSERT	O OFFSET	P PAN	{	}		Insert	Page Up	
Caps Lock	A ARC	S STRETCH	D DIMSTYLE	F FILLET	G GROUP	H HATCH	J JOIN	K	L LINE	:	"	'	Enter		Delete	Page Down
Shift	Z ZOOM	X EXPLODE	C CIRCLE	V VIEW	B BLOCK	N	M MOVE	<	>	?	/	Shift		▲		
Ctrl	Start	Alt						Alt				Ctrl	◀	▼	▶	

Q QSAVE / Saves the current drawing.

A ARC / Creates an arc.

Z ZOOM / Increases or decreases the magnification of the view in the current viewport.

W WBLOCK / Writes objects or a block to a new drawing file.

S STRETCH / Stretches objects crossed by a selection window or polygon.

X EXPLODE / Breaks a compound object into its component objects.

E ERASE / Removes objects from a drawing.

D DIMSTYLE / Creates and modifies dimension styles.

C CIRCLE / Creates a circle.

R REDRAW / Refreshes the display in the current viewport.

F FILLET / Rounds and fillets the edges of objects.

V VIEW / Saves and restores named views, camera views, layout views, and preset views.

T MTEXT / Creates a multiline text object.

G GROUP / Creates and manages saved sets of objects called groups.

B BLOCK / Creates a block definition from selected objects.

H HATCH / Fills an enclosed area or selected objects with a hatch pattern, solid fill, or gradient fill.

J JOIN / Joins similar objects to form a single, unbroken object.

M MOVE / Moves objects a specified distance in a specified direction.

I INSERT / Inserts a block or drawing into the current drawing.

O OFFSET / Creates concentric circles, parallel lines, and parallel curves.

L LINE / Creates straight line segments.

P PAN / Adds a parameter with grips to a dynamic block definition.

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Toggle General Features

Ctrl+d	Toggle coordinate display
Ctrl+g	Toggle Grid
Ctrl+e	Cycle isometric planes
Ctrl+f	Toggle running object snaps
Ctrl+h	Toggle Pick Style
Ctrl+Shift+h	Toggle Hide pallets
Ctrl+i	Toggle Coords
Ctrl+Shift+i	Toggle Infer Constraints

Toggle Drawing Modes

F1	Display Help
F2	Toggle text screen
F3	Toggle object snap mode
F4	Toggle 3DOsnap
F5	Toggle Isoplane
F6	Toggle Dynamic UCS
F7	Toggle grid mode
F8	Toggle ortho mode
F9	Toggle snap mode
F10	Toggle polar mode
F11	Toggle object snap tracking
F12	Toggle dynamic input mode

Manage Screen

Ctrl+0 (zero)	Clean Screen
Ctrl+1	Property Palette
Ctrl+2	Design Center Palette
Ctrl+3	Tool Palette
Ctrl+4	Sheet Set Palette
Ctrl+6	DBConnect Manager
Ctrl+7	Markup Set Manager Palette
Ctrl+8	Quick Calc
Ctrl+9	Command Line

Manage Workflow

Ctrl+c	Copy object
Ctrl+x	Cut object
Ctrl+v	Paste object
Ctrl+Shift+c	Copy to clipboard with base point
Ctrl+Shift+v	Paste data as block
Ctrl+z	Undo last action
Ctrl+y	Redo last action
Ctrl+[Cancel current command (or ctrl+v)
ESC	Cancel current command

Manage Drawings

Ctrl+n	New Drawing
Ctrl+s	Save drawing
Ctrl+o	Open drawing
Ctrl+p	Plot dialog box
Ctrl+Tab	Switch to next
Ctrl+Shift+Tab	Switch to previous drawing
Ctrl+Page Up	Switch to previous tab in current drawing
Ctrl+Page Down	Switch to next tab in current drawing
Ctrl+q	Exit
Ctrl+a	Select all objects

CAD ÇİZİM KOMUTLARI

A

- A ARC / Creates an arc.
- AA AREA / Calculates the area and perimeter of objects or of defined areas.
- ADC ADCENTER / Manages and inserts content such as blocks, xrefs, and hatch patterns.
- AL ALIGN / Aligns objects with other objects in 2D and 3D.
- AP APPLOAD / Load Application.
- AR ARRAY / Creates multiple copies of objects in a pattern.
- ARR ACTRECORD / Starts the Action Recorder.
- ARM ACTUSERMESSAGE / Inserts a user message into an action macro.
- ARU ACTUSERINPUT / Pauses for user input in an action macro.
- ARS ACTSTOP / Stops the Action Recorder and provides the option of saving the recorded actions to an action macro file.
- ATI ATTIPEDIT / Changes the textual content of an attribute within a block.
- ATT ATTDEF / Redefines a block and updates associated attributes.
- ATE ATTEDIT / Changes attribute information in a block.

B

- B BLOCK / Creates a block definition from selected objects.
- BC BCLOSE / Closes the Block Editor.
- BE BEDIT / Opens the block definition in the Block Editor.
- BH HATCH / Fills an enclosed area or selected objects with a hatch pattern, solid fill, or gradient fill.
- BO BOUNDARY / Creates a region or a polyline from an enclosed area.
- BR BREAK / Breaks the selected object between two points.
- BS BSAVE / Saves the current block definition.
- BVS BVSTATE / Creates, sets, or deletes a visibility state in a dynamic block.

C

- C CIRCLE / Creates a circle.
- CAM CAMERA / Sets a camera and target location to create and save a 3D perspective view of objects.
- CBAR CONSTRAINTBAR / A toolbar-like UI element that displays the available geometric constraints on an object.
- CH PROPERTIES / Controls properties of existing objects.
- CHA CHAMFER / Bevels the edges of objects.
- CHK CHECKSTANDARDS / Checks the current drawing for standards violations.
- CLI COMMANDLINE / Displays the Command Line window.
- COL COLOR / Sets the color for new objects.
- CO COPY / Copies objects a specified distance in a specified direction.
- CT CTABLESTYLE / Sets the name of the current table style.
- CUBE NAVVCUBE / Controls the visibility and display properties of the ViewCube tool.
- CYL CYLINDER / Creates a 3D solid cylinder.

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D

D	DIMSTYLE / Creates and modifies dimension styles.	DI	DIST / Measures the distance and angle between two points.	DRM	DRAWINGRECOVERY / Displays a list of drawing files that can be recovered after a program or system failure.
DAN	DIMANGULAR / Creates an angular dimension.	DIV	DIVIDE / Creates evenly spaced point objects or blocks along the length or perimeter of an object.	DS	DSETTINGS / Sets grid and snap, polar and object snap tracking, object snap modes, Dynamic Input, and Quick Properties.
DAR	DIMARC / Creates an arc length dimension.	DJL	DIMJOGLINE / Adds or removes a jog line on a linear or aligned dimension.	DT	TEXT / Creates a single-line text object.
DBA	DIMBASELINE / Creates a linear, angular, or ordinate dimension from the baseline of the previous or selected dimension.	DJO	DIMJOGGED / Creates jogged dimensions for circles and arcs.	DV	DVIEW / Defines parallel projection or perspective views by using a camera and target.
DBC	DBCONNECT / Provides an interface to external database tables.	DL	DATALINK / The Data Link dialog box is displayed.	DX	DATAEXTRACTION / Extracts drawing data and merges data from an external source to a data extraction table or external file.
DCE	DIMCENTER / Creates the center mark or the centerlines of circles and arcs.	DLU	DATALINKUPDATE / Updates data to or from an established external data link.		
DCO	DIMCONTINUE / Creates a dimension that starts from an extension line of a previously created dimension.	DO	DONUT / Creates a filled circle or a wide ring.		
DCON	DIMCONSTRAINT / Applies dimensional constraints to selected objects or points on objects.	DOR	DIMORDINATE / Creates ordinate dimensions.		
DDA	DIMDISASSOCIATE / Removes associativity from selected dimensions.	DOV	DIMOVERRIDE / Controls overrides of system variables used in selected dimensions.		
DDI	DIMDIAMETER / Creates a diameter dimension for a circle or an arc.	DR	DRAWORDER / Changes the draw order of images and other objects.		
DED	DIMEDIT / Edits dimension text and extension lines.	DRA	DIMRADIUS / Creates a radius dimension for a circle or an arc.		
		DRE	DIMREASSOCIATE / Associates or re-associates selected dimensions to objects or points on objects.		

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E–F

- E ERASE / Removes objects from a drawing.
- ED DDEDIT / Edits single-line text, dimension text, attribute definitions, and feature control frames.
- EL ELLIPSE / Creates an ellipse or an elliptical arc.
- EPDF EXPORTPDF / Exports drawing to PDF.
- ER EXTERNALREFERENCES / Opens the External References palette.
- EX EXTEND / Extends objects to meet the edges of other objects.
- EXIT QUIT / Exits the program.
- EXP EXPORT / Saves the objects in a drawing to a different file format.
- EXT EXTRUDE / Extends the dimensions of a 2D object or 3D face into 3D space.
- F FILLET / Rounds and fillets the edges of objects.
- FI FILTER / Creates a list of requirements that an object must meet to be included in a selection set.
- FS FSMODE / Creates a selection set of all objects that touch the selected object.
- FSHOT FLATSHOT / Creates a 2D representation of all 3D objects based on the current view.

G–H

- G GROUP / Creates and manages saved sets of objects called groups.
- GCON GEOCONSTRAINT / Applies or persists geometric relationships between objects or points on objects.
- GD GRADIENT / Fills an enclosed area or selected objects with a gradient fill.
- GEO GEOGRAPHICLOCATION / Specifies the geographic location information for a drawing file.
- H HATCH / Fills an enclosed area or selected objects with a hatch pattern, solid fill, or gradient fill.
- HE HATCHEDIT / Modifies an existing hatch or fill.
- HI HIDE / Regenerates a 3D wireframe model with hidden lines suppressed.

I–K

- I INSERT / Inserts a block or drawing into the current drawing.
- IAD IMAGEADJUST / Controls the image display of the brightness, contrast, and fade values of images.
- IAT IMAGEATTACH / Inserts a reference to an image file.
- ICL IMAGECLIP / Crops the display of a selected image to a specified boundary.
- ID ID / Displays the UCS coordinate values of a specified location.
- IM IMAGE / Displays the External References palette.
- IMP IMPORT / Imports files of different formats into the current drawing.
- IN INTERSECT / Creates a 3D solid, surface, or 2D region from overlapping solids, surfaces, or regions.
- INF INTERFERE / Creates a temporary 3D solid from the interferences between two sets of selected 3D solids.
- IO INSERTOBJ / Inserts a linked or embedded object.
- J JOIN / Joins similar objects to form a single, unbroken object.
- JOG DIMJOGGED / Creates jogged dimensions for circles and arcs.

CAD ÇİZİM KOMUTLARI

L–M

L	LINE / Creates straight line segments.
LA	LAYER / Manages layers and layer properties.
LAS	LAYERSTATE / Saves, restores, and manages named layer states.
LE	QLEADER / Creates a leader and leader annotation.
LEN	LENGTHEN / Changes the length of objects and the included angle of arcs.
LESS	MESHSMOOTHLESS / Decreases the level of smoothness for mesh objects by one level.
LI	LIST / Displays property data for selected objects.
LO	LAYOUT / Creates and modifies drawing layout tabs.
LT	LINETYPE / Loads, sets, and modifies linetypes.
LTS	LTSCALE / Changes the scale factor of linetypes for all objects in a drawing.
LW	LWEIGHT / Sets the current lineweight, lineweight display options, and lineweight units.
M	MOVE / Moves objects a specified distance in a specified direction.
MA	MATCHPROP / Applies the properties of a selected object to other objects.
MAT	MATERIALS / Shows or hides the Materials window.
ME	MEASURE / Creates point objects or blocks at measured intervals along the length or perimeter of an object.

MEA	MEASUREGEOM / Measures the distance, radius, angle, area, and volume of selected objects or sequence of points.
MI	MIRROR / Creates a mirrored copy of selected objects.
ML	MLINE / Creates multiple parallel lines.
MLA	MLEADERALIGN / Aligns and spaces selected multileader objects.
MLC	MLEADERCOLLECT / Organizes selected multileaders that contain blocks into rows or columns, and displays the result with a single leader.
MLD	MLEADER / Creates a multileader object.
MLE	MLEADEREDIT / Adds leader lines to, or removes leader lines from, a multileader object.
MLS	MLEADERSTYLE / Creates and modifies multileader styles.
MO	PROPERTIES / Controls properties of existing objects.
MORE	MESHSMOOTHMORE / Increases the level of smoothness for mesh objects by one level.
MS	MSPACE / Switches from paper space to a model space viewport.
MSM	MARKUP / Opens the Markup Set Manager.
MT	MTEXT / Creates a multiline text object.
MV	MVIEW / Creates and controls layout viewports.

N–O

NORTH GEOGRAPHICLOCATION	/ Specifies the geographic location information for a drawing file.
NSHOT NEWSHOT	/ Creates a named view with motion that is played back when viewed with ShowMotion.
NVIEW NEWVIEW	/ Creates a named view with no motion.
O	OFFSET / Creates concentric circles, parallel lines, and parallel curves.
OP	OPTIONS / Customizes the program settings.
ORBIT 3DORBIT	/ Rotates the view in 3D space, but constrained to horizontal and vertical orbit only.
OS	OSNAP / Sets running object snap modes.

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P

P	PAN / Adds a parameter with grips to a dynamic block definition.
PA	PASTESPEC / Pastes objects from the Clipboard into the current drawing and controls the format of the data.
PAR	PARAMETERS / Controls the associative parameters used in the drawing.
PARAM	BPARAMETER / Adds a parameter with grips to a dynamic block definition.
PATCH	SURFPATCH / Creates a new surface by fitting a cap over a surface edge that forms a closed loop.
PC	POINTCLOUD / Provides options to create and attach point cloud files.
PCATTACH	POINTCLOUDATTACH / Inserts an indexed point cloud file into the current drawing.
PCINDEX	POINTCLOUDINDEX / Creates an indexed point cloud (PCG or ISD) file from a scan file.
PE	PEDIT / Edits polylines and 3D polygon meshes.
PL	PLINE / Creates a 2D polyline.
PO	POINT / Creates a point object.
POFF	HIDEPALETTES / Hides currently displayed palettes (including the command line).

POL	POLYGON / Creates an equilateral closed polyline.
PON	SHOWPALETTES / Restores the display of hidden palettes.
PR	PROPERTIES / Displays Properties palette.
PRE	PREVIEW / Displays the drawing as it will be plotted.
PRINT	PLOT / Plots a drawing to a plotter, printer, or file.
PS	PSPACE / Switches from a model space viewport to paper space.
PSOLID	POLYSOLID / Creates a 3D wall-like polysolid.
PTW	PUBLISHTOWEB / Creates HTML pages that include images of selected drawings.
PU	PURGE / Removes unused items, such as block definitions and layers, from the drawing.
PYR	PYRAMID / Creates a 3D solid pyramid.

Q

QC	QUICKCALC / Opens the QuickCalc calculator.
QCUI	QUICKCUI / Displays the Customize User Interface Editor in a collapsed state.
QP	QUICKPROPERTIES / Displays open drawings and layouts in a drawing in preview images.
QSAVE	QSAVE / Saves the current drawing.
QVD	QVDRAWING / Displays open drawings and layouts in a drawing using preview images.
QVDC	QVDRAWINGCLOSE / Closes preview images of open drawings and layouts in a drawing.
QVL	QVLAYOUT / Displays preview images of model space and layouts in a drawing.
QVLC	QVLAYOUTCLOSE / Closes preview images of model space and layouts in the current drawing.

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R

R	REDRAW / Refreshes the display in the current viewport.
RA	REDRAWALL / Refreshes the display in all viewports.
RC	RENDERCROP / Renders a specified rectangular area, called a crop window, within a viewport.
RE	REGEN / Regenerates the entire drawing from the current viewport.
REA	REGENALL / Regenerates the drawing and refreshes all viewports.
REC	RECTANG / Creates a rectangular polyline.
REG	REGION / Converts an object that encloses an area into a region object.
REN	RENAME / Changes the names assigned to items such as layers and dimension styles.
REV	REVOLVE / Creates a 3D solid or surface by sweeping a 2D object around an axis.
RO	ROTATE / Rotates objects around a base point.
RP	RENDERPRESETS / Specifies render presets, reusable rendering parameters, for rendering an image.
RPR	RPREF / Displays or hides the Advanced Render Settings palette for access to advanced rendering settings.
RR	RENDER / Creates a photorealistic or realistically shaded image of a 3D solid or surface model.
RW	RENDERWIN / Displays the Render window without starting a rendering operation.

S

S	STRETCH / Stretches objects crossed by a selection window or polygon.	SPLIT	MESHSPLOT / Splits a mesh face into two faces.
SC	SCALE / Enlarges or reduces selected objects, keeping the proportions of the object the same after scaling.	SPE	SPLINEDIT / Edits a spline or spline-fit polyline.
SCR	SCRIPT / Executes a sequence of commands from a script file.	SSM	SHEETSET / Opens the Sheet Set Manager.
SEC	SECTION / Uses the intersection of a plane and solids, surfaces, or mesh to create a region.	ST	STYLE / Creates, modifies, or specifies text styles.
SET	SETVAR / Lists or changes the values of system variables.	STA	STANDARDS / Manages the association of standards files with drawings.
SHA	SHADEMODE / Starts the VSCURRENT command.	SU	SUBTRACT / Combines selected 3D solids, surfaces, or 2D regions by subtraction.
SL	SLICE / Creates new 3D solids and surfaces by slicing, or dividing, existing objects.		
SN	SNAP / Restricts cursor movement to specified intervals.		
SO	SOLID / Creates solid-filled triangles and quadrilaterals.		
SP	SPELL / Checks spelling in a drawing.		
SPE	SPLINEDIT / Edits a spline or spline-fit polyline.		
SPL	SPLINE / Creates a smooth curve that passes through or near specified points.		
SPLANE	SECTIONPLANE / Creates a section object that acts as a cutting plane through 3D objects.		
SPLAY	SEQUENCEPLAY / Plays named views in one category.		

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T

T	MTEXT / Creates a multiline text object.
TA	TABLET / Calibrates, configures, and turns on and off an attached digitizing tablet.
TB	TABLE / Creates an empty table object.
TEDIT	TEXTEDIT / Edits a dimensional constraint, dimension, or text object.
TH	THICKNESS / Sets the default 3D thickness property when creating 2D geometric objects.
TI	TILEMODE / Controls whether paper space can be accessed.
TO	TOOLBAR / Displays, hides, and customizes toolbars.
TOL	TOLERANCE / Creates geometric tolerances contained in a feature control frame.
TOR	TORUS / Creates a donut-shaped 3D solid.
TP	TOOLPALETTES / Opens the Tool Palettes window.
TR	TRIM / Trims objects to meet the edges of other objects.
TS	TABLESTYLE / Creates, modifies, or specifies table styles.

U–W

UC	UCSMAN / Manages defined user coordinate systems.
UN	UNITS / Controls coordinate and angle display formats and precision.
UNHIDE / UNISOLATE	UNISOLATEOBJECTS / Displays objects previously hidden with the ISOLATEOBJECTS or HIDEOBJECTS command.
UNI	UNION / Unions two solid or two region objects.
V	VIEW / Saves and restores named views, camera views, layout views, and preset views.
VGO	VIEWGO / Restores a named view.
VP	DDVPOINT / Sets the 3D viewing direction.
VPLAY	VIEWPLAY / Plays the animation associated to a named view.
VS	VSCURRENT / Sets the visual style in the current viewport.
VSM	VISUALSTYLES / Creates and modifies visual styles and applies a visual style to a viewport.
W	WBLOCK / Writes objects or a block to a new drawing file.
WE	WEDGE / Creates a 3D solid wedge.
WHEEL	NAVSWHEEL / Displays a wheel that contains a collection of view navigation tools.

X–Z

X	EXPLODE / Breaks a compound object into its component objects.
XA	XATTACH / Inserts a DWG file as an external reference (xref).
XB	XBIND / Binds one or more definitions of named objects in an xref to the current drawing.
XC	XCLIP / Crops the display of a selected external reference or block reference to a specified boundary.
XL	XLIN / Creates a line of infinite length.
XR	XREF / Starts the EXTERNALREFERENCES command.
Z	ZOOM / Increases or decreases the magnification of the view in the current viewport.
ZEBRA	ANALYSISZEBRA / Projects stripes onto a 3D model to analyze surface continuity.
ZIP	ETRANSMIT / Creates a Self-Extracting or Zipped Transmittal Package.

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F1 Help	F2 Text Screen	F3 Object Snap	F4 3DOsnap	F5 Isoplane	F6 Dynamic UCS	F7 Grid	F8 Ortho	F9 Snap	F10 Polar	F11 Object Snap Tracking	F12 Dynamic Input	F FILLET	Q QSAVE
Q QSAVE	W WBLOCK	E ERASE	R REDRAW	T MTEXT	I INSERT	O OFFSET	P PAN	A ARC	S STRETCH	D DIMSTYLE	F FILLET	G GROUP	W WBLOCK
G GROUP	H HATCH	J JOIN	L LINE	Z ZOOM	X EXPLODE	C CIRCLE	V VIEW	B BLOCK	M MOVE			H HATCH	E ERASE
F1 Help	F2 Text Screen	F3 Object Snap	F4 3DOsnap	F5 Isoplane	F6 Dynamic UCS	F7 Grid	F8 Ortho	F9 Snap	F10 Polar	F11 Object Snap Tracking	F12 Dynamic Input	J JOIN	R REDRAW
Q QSAVE	W WBLOCK	E ERASE	R REDRAW	T MTEXT	I INSERT	O OFFSET	P PAN	A ARC	S STRETCH	D DIMSTYLE	F FILLET	L LINE	T MTEXT
G GROUP	H HATCH	J JOIN	L LINE	Z ZOOM	X EXPLODE	C CIRCLE	V VIEW	B BLOCK	M MOVE			Z ZOOM	I INSERT
F1 Help	F2 Text Screen	F3 Object Snap	F4 3DOsnap	F5 Isoplane	F6 Dynamic UCS	F7 Grid	F8 Ortho	F9 Snap	F10 Polar	F11 Object Snap Tracking	F12 Dynamic Input	X EXPLODE	O OFFSET
Q QSAVE	W WBLOCK	E ERASE	R REDRAW	T MTEXT	I INSERT	O OFFSET	P PAN	A ARC	S STRETCH	D DIMSTYLE	F FILLET	C CIRCLE	P PAN
G GROUP	H HATCH	J JOIN	L LINE	Z ZOOM	X EXPLODE	C CIRCLE	V VIEW	B BLOCK	M MOVE			V VIEW	A ARC
F1 Help	F2 Text Screen	F3 Object Snap	F4 3DOsnap	F5 Isoplane	F6 Dynamic UCS	F7 Grid	F8 Ortho	F9 Snap	F10 Polar	F11 Object Snap Tracking	F12 Dynamic Input	B BLOCK	S STRETCH
												M MOVE	D DIMSTYLE