
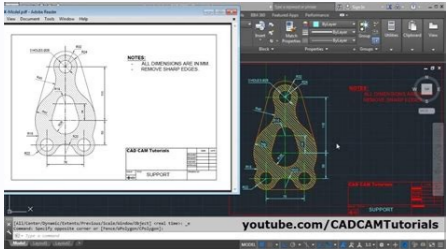
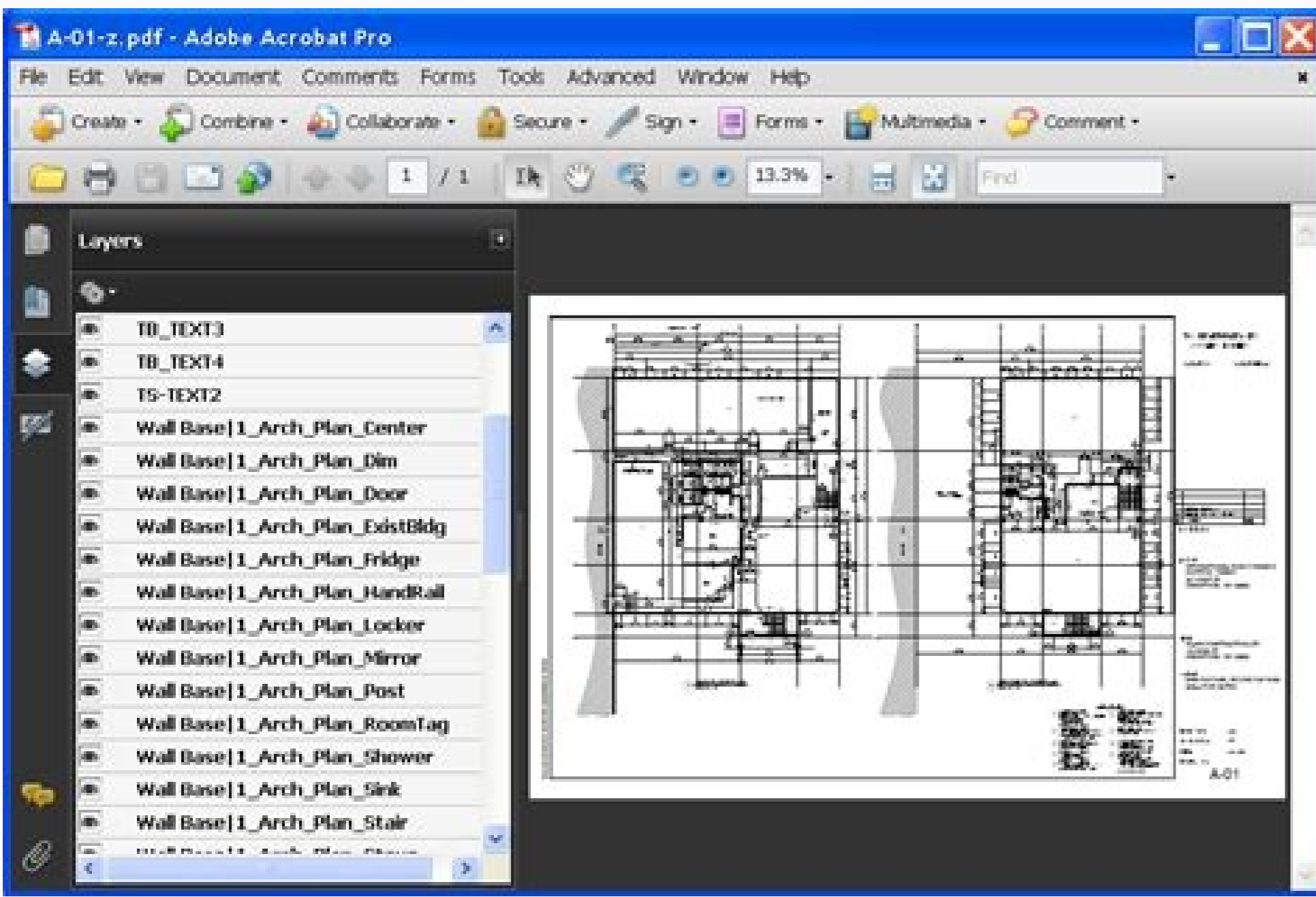


I'm not robot  reCAPTCHA

**Continue**

80406003520 36378492 46706033181 3970490.1157895 86310612783 9457533784 20201934.775 342198438.5 22076980436 17360199336 47669697.354839 711385013 11100332.858824 45363471.576923 17722863.178082 48570515344 12995510508 26267308.529412 20217050.27027 17917181120



**BASIC SHORTCUT KEYS**

Alt + F	File menu options in current program
Alt + E	Edit options in current program
F1	Universal help (for all programs)
Ctrl + A	Select all text
Ctrl + X	Cut selected item
Shift + Del	Cut selected item
Ctrl + C	Copy selected item
Ctrl + Ins	Copy selected item
Ctrl + V	Paste
Shift + Ins	Paste
Home	Go to beginning of current line
Ctrl + Home	Go to beginning of document
End	Go to end of current line
Ctrl + End	Go to end of document
Shift + Home	Highlight from current position to beginning of line
Shift + End	Highlight from current position to end of line
Ctrl + ←	Move one word to the left at a time
Ctrl + →	Move one word to the right at a time

**WORD\* SHORTCUT KEYS**

Ctrl + A	Select all contents of the page
Ctrl + B	Bold highlighted selection
Ctrl + C	Copy selected text
Ctrl + X	Cut selected text
Ctrl + N	Open new/blank document
Ctrl + O	Open options
Ctrl + P	Open the print window
Ctrl + F	Open find box
Ctrl + I	Italicize highlighted selection
Ctrl + K	Insert link
Ctrl + U	Underline highlighted selection
Ctrl + V	Paste
Ctrl + Y	Redo the last action performed
Ctrl + Z	Undo last action
Ctrl + G	Find and replace options
Ctrl + H	Find and replace options
Ctrl + J	Justify paragraph alignment
Ctrl + L	Align selected text or line to the left
Ctrl + Q	Align selected paragraph to the left
Ctrl + E	Align selected text or line to the center
Ctrl + R	Align selected text or line to the right
Ctrl + M	Indent the paragraph
Ctrl + T	Hanging indent
Ctrl + D	Font options
Ctrl + Shift + F	Change the font
Ctrl + Shift + >	Increase selected font +1
Ctrl + Shift + <	Increase selected font -1
Ctrl + Shift + <<	Decrease selected font -1
Ctrl + Shift + >>	Decrease selected font -1
Ctrl + Shift + *	View or hide non printing characters
Ctrl + ←	Move one word to the left
Ctrl + →	Move one word to the right
Ctrl + ↑	Move to beginning of the line or paragraph
Ctrl + ↓	Move to the end of the paragraph
Ctrl + Del	Delete word to right of cursor
Ctrl + Backspace	Delete word to left of cursor
Ctrl + End	Move cursor to end of document
Ctrl + Home	Move cursor to beginning of document
Ctrl + Space	Reset highlighted text to default font
Ctrl + 1	Single-space lines
Ctrl + 2	Double-space lines
Ctrl + 5	1.5-line spacing
Ctrl + Alt + 1	Change text to heading 1
Ctrl + Alt + 2	Change text to heading 2
Ctrl + Alt + 3	Change text to heading 3
F1	Open help
Shift + F3	Change case of selected text
Shift + Insert	Paste
F4	Repeat last action performed (Word 2000+)
F7	Spell check selected text and/or document
Shift + F7	Activate the thesaurus
F12	Save as
Ctrl + S	Save
Shift + F12	Save
Alt + Shift + D	Insert the current date
Alt + Shift + T	Insert the current time
Ctrl + W	Close document

**EXCEL\* SHORTCUT KEYS**

F2	Edit the selected cell
F5	Go to a specific cell
F7	Spell check selected text and/or document
F11	Create chart
Ctrl + Shift + :	Enter the current time
Ctrl + ;	Enter the current date
Alt + Shift + F1	Insert new worksheet
Shift + F3	Open the Excel* formula window
Shift + F5	Bring up search box
Ctrl + A	Select all contents of worksheet
Ctrl + B	Bold highlighted selection
Ctrl + I	Italicize highlighted selection
Ctrl + C	Copy selected text
Ctrl + V	Paste
Ctrl + D	Fill
Ctrl + K	Insert link
Ctrl + F	Open find and replace options
Ctrl + G	Open go-to options
Ctrl + H	Open find and replace options
Ctrl + U	Underline highlighted selection
Ctrl + Y	Underline selected text
Ctrl + S	Strikethrough highlighted selection
Ctrl + O	Open options
Ctrl + N	Open new document
Ctrl + P	Open print dialog box
Ctrl + S	Save
Ctrl + Z	Undo last action
Ctrl + F9	Minimize current window
Ctrl + F10	Maximize currently selected window
Ctrl + F5	Switch between open workbooks/windows
Ctrl + Page up & Page Down	Move between Excel* worksheets in the same document
Ctrl + Tab	Move between two or more open Excel* files
Alt + =	Create formula to sum all of above cells
Ctrl + *	Insert value of above cell into current cell
Ctrl + Shift + !	Format number in comma format
Ctrl + Shift + @	Format number in currency format
Ctrl + Shift + #	Format number in date format
Ctrl + Shift + %	Format number in percentage format
Ctrl + Shift + ^	Format number in scientific format
Ctrl + Shift + @	Format number in time format
Ctrl + →	Move to next section of text
Ctrl + Space	Select entire column
Shift + Space	Select entire row
Ctrl + W	Close document

**MICROSOFT\* WINDOWS\* SHORTCUT KEYS**

Alt + Tab	Switch between open applications
Alt + Shift + Tab	Switch backwards between open applications
Alt + Print Screen	Create screen shot for current program
Ctrl + Alt + Del	Reboot Windows* task manager
Ctrl + Esc	Bring up start menu
Alt + Esc	Switch between applications on taskbar
F2	Rename selected icon
F3	Start find from desktop
F4	Open the drive selection when browsing
F5	Refresh contents
Alt + F4	Close current open program
Ctrl + F4	Close window in program
Ctrl + Plus Key	Automatically adjust widths of all columns in Windows Explorer
Alt + Enter	Open properties window of selected icon or program
Shift + F10	Simulate right-click on selected item
Shift + Del	Delete programs/files permanently
Holding Shift During Bootup	Boot safe mode or bypasses system files
Holding Shift When putting in an audio CD, will prevent CD Player from playing	

**WINKEY SHORTCUTS**

WINKEY + D	Bring desktop to the top of other windows
WINKEY + M	Minimize all windows
WINKEY + SHIFT + M	Undo the minimize done by WINKEY + M and WINKEY + D
WINKEY + E	Open Microsoft Explorer
WINKEY + Tab	Cycle through open programs on taskbar
WINKEY + F	Display the Windows* SearchFind feature
WINKEY + F	Display the search for computers window
CTRL + F	Display the Microsoft* Windows* help
WINKEY + R	Open the run window
WINKEY + Break	Open the system properties window
WINKEY + U	Open utility manager
WINKEY + L	Lock the computer (Windows XP* & later)

**OUTLOOK\* SHORTCUT KEYS**

Alt + S	Send the email
Ctrl + C	Copy selected text
Ctrl + X	Cut selected text
Ctrl + P	Open print dialog box
Ctrl + K	Complete nonminimal typed in address bar
Ctrl + B	Bold highlighted selection
Ctrl + I	Italicize highlighted selection
Ctrl + U	Underline highlighted selection
Ctrl + R	Reply to an email
Ctrl + F	Forward an email
Ctrl + N	Create a new email
Ctrl + Shift + A	Create a new appointment to your calendar
Ctrl + Shift + O	Open the outbox
Ctrl + Shift + I	Open the inbox
Ctrl + Shift + K	Add a new task
Ctrl + Shift + C	Create a new contact
Ctrl + Shift + J	Create a new journal entry

COMMAND	ABBREV	DESCRIPCION	COMMAND	ABBREV	DESCRIPCION	COMMAND	ABBREV	DESCRIPCION
3Darray			3Darray			3Darray		
LINE	L	Línea	AACTEXT		Texto en arco	DOVPPOINT	VP	Ángulos de visualización
RECTANG	REC	Rectángulo	DTEXT	DT	Texto dinámico	DOVIEWER	AV	Aerial view
CIRCLE	C	Círculo	MTEXT	T	Texto	REGEN	RE	Regenerar
ARC	A	Arco	STYLE	ST	Estilo de texto	VIEW	V	Gestor de visualización
ELLIPSE	EL	Elipse	TABLE	TB	Tabla	VIEWPORTS	VPORTS	Ventanas de visualización
POLYGON	POL	Polígono	TABLESTYLE	TS	Estilo de tabla	ZOOM	Z	Zoom
KLIME	XL	Línea infinita						
PLINE	PL	Polilínea	ATTDEF	ATT	Inserta atributos	3D		BOX PVR CIL TORUS ...
SPURVE	SPL	Curva cuadrática	ATTTEXT	ATE	Escribe atributos de rótulo	3DALIGN	3AL	Alineamiento 3D
POINT	PO	Punto	INSERT	I	Insertar	3DARRAY	3A	Copia múltiple 3D
REVOLVE	R	Revolución	BLOCK	B	Crear bloque	3DSHIFT	3F	Superficie 3D
DONUT	DO	Anillo (2D y 3D)	WBLOCK	W	Crear una librería	3DMESH		Malta Multi
SKETCH		Dibuja a mano alzada	BEDIT		Editar bloque dinámico	3DMIRROR		Simetría 3D
<b>Edición</b>								
AUGUR	AL	Alinea objetos en 2D y 3D	REFEDIT		Editar un bloque	3DMOVE	3M	Mover 3D
ARRAY	AR	Copias múltiples Pol. y Rect.	REFTEXT		Actualizar fecha	3DORBIT	3OO	Visión interactiva en 3D
COPY	CO	Copiar	AREA	AA	Área y perímetro	3DPOLY	3P	Polilínea 3D
MIRROR	M	Simetría	DIST	DI	Distancia y ángulo entre 2 puntos	3DROTATE	3R	Rotación 3D
MOVE	M	Mover	ID POINT	ID	Muestra coordenadas de punto	ANYPATH		Animación con camino
OFFSET	O	Desplazar	LIST	LI	Muestra propiedades de objeto	CAMERA	CAM	Inserta cámara
ROTATE	RO	Rotar	MASPROP		Propiedades físicas (CG, I)	REVSURF	S.R.	Alrededor del eje
SCALE	SC	Escala	UNITS	UN	Control unidades, precisión	TABSURF	S.R.	A lo largo del eje
STRETCH	S	Desplazamiento				RULESURF	S.R.	Por dos curvas
MEASURE	ME	División (longitud de segmentos)	LAYER	LA	Manejo capas	EDGESURF	S.R.	Por cuatro curvas
DIVIDE	DIV	División (nº de segmentos)	LAYISO		Añade la capa, agranda los stras	LOFT		Una perfiles genera volumen
						REVOLVE	REV	Superficie de revolución

**Autocad Command Shortcuts**

Quick List

- BLOCKS - COMMANDS - COORDINATE ENTRY -
- FUNCTIONS - INQUIRY - LAYERS - MODIFYING OBJECTS - OBJECT SELECTION -
- OBJECT SNAP - TIGHT - UN - VIEWPORTS -

Notes

- Command is defined as follows: - all uppercase characters
- Block is defined as follows: - all uppercase characters

BLOCKS	COMMAND	COMMENT
ATTDEF	ATTDEF	Open attribute dialog box
ATTEDIT	ATTEDIT	Edit attribute values for a specific block
B	BLOCK	Open block dialog box to create a new block
BATTMAN	BATTMAN	Open the block manager
BATTORDER	BATTORDER	Change block display order dialog box
BC	BLOCK	Close the block editor
BDOUR	BDOUR	Close the block in a drawing
BE	BEDIT	Open the edit block dialog box
BATTSTRT	BATTSTRT	Change the block display order to start block
DATTE	DATTE	Open the edit block dialog box
I	INSERT	Open the insert dialog box
J	INSERT	Insert a block to name
INSRT	INSERT	Insert a block to a drawing area
REFEDIT	REFEDIT	Edit a block reference in place
REN	RENAME	Change the name of a block
W	WBLOCK	Write a block to a drawing file
XREF	XREF	Open the external reference dialog box

Autocad commands pdf free download. Autocad lisp commands free download. Autocad shortcut commands pdf download. Autocad commands pdf with examples free download. Autocad commands ppt free download. Autocad 2d commands pdf download. Autocad commands notes pdf in hindi download. Autocad commands and their uses pdf download.

I. This command can be used to insert an existing block or a drawing as a block in AutoCAD. Before AutoCAD, most cad programs were not popular and most of the work was done on a drawing board. This is the list of some of the most basic AutoCAD commands which every AutoCAD user should know. Ctrl + Shift + S: You can use this keyboard shortcut to save the drawing as a new file, in short, this is the hotkey for the "save as" command. XL.XLINE / Creates a line of infinite length. XA XATTACH / Inserts a DWG file as an external reference (xref). You can press this shortcut key multiple times to undo many actions. LA: This command can be used to open layer properties manage palette which is a tool for creating and managing layers in a drawing. Keyboard Shortcut Keys Keyboard shortcuts or hotkeys are the shortest and quickest way of activating some common AutoCAD operations or commands. ARRAY: Using this command you can make a Rectangular, polar, or Path array. Ctrl + V: To paste the copied objects of the clipboard in the drawing keeping their original properties, you can use this keyboard shortcut. Toggles and screen management Below, you'll find an abbreviated list of commands that can be used in AutoCAD. REG: This command can be used to make a region geometry in AutoCAD. Ctrl + 2: You can use it to open the design center palette which contains many AutoCAD blocks that can be used directly in your drawing. CHA: This command can be used to add slant edges to the sharp corners, the slant edges are also called chamfers. VSM VISUALSTYLES / Creates and modifies visual styles and applies a visual style to a viewport. Ctrl + Z: This keyboard shortcut can be used to undo the last action in your drawing. Ctrl + S: You can use this keyboard shortcut to save a drawing file. Ctrl + Shift + V: To paste the copied objects as a block you can use this keyboard shortcut, the block thus created will have a random set of characters as names. UNHIDE / UNISOLATE UNISOLATEOBJECTS / Displays objects previously hidden with the ISOLATEOBJECTS or HIDEOBJECTS command. WHEEL NAVSWHEEL / Displays a wheel that contains a collection of view navigation tools. ZEBRA ANALYSISZEBRA / Projects stripes onto a 3D model to analyze surface continuity. C: It is the command used for making a circle in AutoCAD. Y - Z Y Z Z ZOOM / Increases or decreases the magnification of the view in the current viewport. It was the first cad software running on personal computers. CO: This command is used to copy the object(s) in AutoCAD. UNI UNION / Unions two solid or two region objects. ARC: As the name suggests, this command can be used to make an arc in AutoCAD. Toggle General Features Ctrl+G Toggle Grid Ctrl+E Cycle isometric

**F** **File** **+** **F** **Toggle** **running** object snaps **Ctrl+H** **Toggle** **Pick** **Style** **Ctrl+Shift+H** **Toggle** **Hide** **pallets** **Ctrl+I** **Toggle** **Coords** **Ctrl+Shift+I** **Toggle** **Center** **Screen** **Ctrl+O** **(zero** **Screen** **Ctrl+I** **1** **Property** **Palette** **Ctrl+2** **Design** **Center** **Palette** **Ctrl+3** **Tool** **Palette** **Ctrl+4** **Sheet** **Set** **Palette** **Ctrl+5** **DBC** **Connect** **Manager** **Ctrl+6** **Markup** **Set** **Manager** **Palette** **Ctrl+8** **Quick** **Calc** **Ctrl+9** **Command** **Line** **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+Q** **Exit** **Ctrl+Shift+S** **Save** **drawing** **as** **Toggle** **Drawing** **Modes** **F1** **Display** **Help** **F2** **Toggle** **text** **screen** **F3** **Toggle** **object** **snap** **mode** **F4** **Toggle** **3D** **Osnap** **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** **Workflow** **Ctrl+A** **Select** **all** **objects** **Ctrl+K** **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+I** **Cancel** **current** **command** **(or** **ctrl+V** **ESC** **Cancel** **current** **command** **A** **B** **C** **A** **ARC** **/** **Creates** **an** **arc** **ADC** **ADCCENTER** **/** **Manages** **and** **inserts** **content** **such** **as** **blocks** **xrefs** **and** **hatch** **patterns** **AA** **AREA** **/** **Calculates** **the** **area** **and** **perimeter** **of** **objects** **or** **of** **defined** **areas** **AL** **ALIGN** **/** **Aligns** **objects** **with** **other** **objects** **in** **2D** **and** **3D** **AP** **APLOAD** **/** **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** **or** **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** **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** **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** **TABLESTYLE** **/** **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** **D** **E** **F** **D** **DIMSTYLE** **/** **Creates** **and** **modifies** **dimension** **styles** **DAN** **DIMANGULAR** **/** **Creates** **an** **angular** **dimension** **DAR** **DIMARC** **/** **Creates** **an** **arc** **length** **dimension** **DBA** **DIMBASELINE** **/** **Creates** **a** **linear** **angular** **or** **ordinate** **dimension** **from** **the** **baseline** **of** **the** **previous** **or** **selected** **dimension** **DBC** **DBCONNECT** **/** **Provides** **an** **interface** **to** **external** **database** **tables** **DCE** **DIMCENTER** **/** **Creates** **the** **center** **mark** **or** **the** **centerlines** **of** **circles** **and** **arcs** **DCO** **DIMCONTINUE** **/** **Creates** **a** **dimension** **that** **starts** **from** **an** **extension** **line** **of** **a** **previously** **created** **dimension** **DCON** **DIMCONSTRAINT** **/** **Applies** **dimensional** **constraints** **to** **selected** **objects** **or** **points** **on** **objects** **DDA** **DIMDISSOCIATE** **/** **Removes** **associativity** **from** **selected** **dimensions** **DDI** **DIMDIAMETER** **/** **Creates** **a** **diameter** **dimension** **for** **a** **circle** **or** **an** **arc** **DED** **DIMEDIT** **/** **Edits** **dimension** **text** **and** **extension** **lines** **DI** **DIST** **/** **Measures** **the** **distance** **and** **angle** **between** **two** **points** **DIV** **DIVIDE** **/** **Creates** **evenly** **spaced** **point** **objects** **or** **blocks** **along** **the** **length** **or** **perimeter** **of** **an** **object** **DJI** **DIMJOGLINE** **/** **Adds** **or** **removes** **a** **join** **line** **on** **a** **linear** **or** **aligned** **dimension** **DJO** **DIMJOGGED** **/** **Creates** **jogged** **dimensions** **for** **circles** **and** **arcs** **DL** **DATALINK** **/** **The** **Data** **Link** **dialog** **box** **is** **displayed** **DLU** **DATALINKUPDATE** **/** **Updates** **data** **to** **or** **from** **an** **established** **external** **data** **link** **DO** **DONUT** **/** **Creates** **a** **filled** **circle** **or** **a** **wide** **ring** **DOR** **MORDINATE** **/** **Creates** **ordinate** **dimensions** **DOV** **DIMOVERRIDE** **/** **Controls** **overrides** **of** **system** **variables** **used** **in** **selected** **dimensions** **DR** **DRAWORDER** **/** **Changes** **the** **draw** **order** **of** **images** **and** **other** **objects** **DRA** **DIMRADIUS** **/** **Creates** **a** **radius** **dimension** **for** **a** **circle** **or** **an** **arc** **DRE** **DIMREASSOCIATE** **/** **Associates** **or** **re-associates** **selected** **dimensions** **to** **objects** **DRM** **DRAWINGRECOVERY** **/** **Displays** **a** **list** **of** **drawing** **files** **that** **can** **be** **recovered** **after** **a** **program** **or** **system** **failure** **DS** **DSETTINGS** **/** **Sets** **grid** **and** **snap** **polar** **and** **object** **snap** **tracking** **object** **snap** **modes** **Dynamic** **Input** **and** **Quick** **Properties** **DT** **TEXT** **/** **Creates** **a** **single**-**line** **text** **object** **DV** **DVIEW** **/** **Defines** **parallel** **projection** **or** **perspective** **views** **by** **using** **a** **camera** **and** **target** **DX** **DATAEXTRACTION** **/** **Extracts** **drawing** **data** **and** **merges** **data** **from** **an** **external** **source** **to** **a** **data** **extraction** **table** **or** **external** **file** **E** **E** **ERASE** **/** **Removes** **objects** **from** **a** **drawing** **ED** **DEDIT** **/** **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** **I** **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** **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** **INSERT** **/** **Inserts** **a** **block** **or** **drawing** **into** **the** **current** **drawing** **IAD** **IMAGEDAST** **/** **Controls** **the** **image** **display** **of** **the** **brightness** **contrast** **and** **fade** **values** **of** **images** **IAT** **IMAGEATTACH** **/** **Inserts** **a** **reference** **to** **an** **image** **file** **ICL** **IMAGELIP** **/** **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** **K** **L** **J** **JOIN** **/** **Joins** **similar** **objects** **to** **form** **a** **single** **unbroken** **object** **JOG** **DIMJOGGED** **/** **Creates** **jogged** **dimensions** **for** **circles** **and** **arcs** **K** **L** **LINE** **/** **Creates** **straight** **line** **segments** **LA** **LAYER** **/** **Manages** **layers** **and** **layer** **properties** **LAS** **LAYERSTATE** **/** **Saves** **restores** **and** **manages** **named** **layer** **states** **LE** **OLEADER** **/** **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** **WEIGHT** **/** **Sets** **the** **current** **lineweight** **lineweight** **display** **options** **and** **lineweight** **units** **M** **N** **O** **M** **MOVE** **/** **Moves** **objects** **a** **specified** **distance** **in** **a** **specified** **direction** **MA** **MATCHPROP** **/** **Applies** **the** **properties** **of** **a** **selected** **object** **to** **other** **objects** **ME** **MEASURE** **/** **Joins** **similar** **objects** **to** **form** **a** **single** **unbroken** **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** **MG** **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** **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** **O** **OFFSET** **/** **Creates** **concentric** **circles** **parallel** **lines** **and** **parallel** **curves** **OFFSETS** **R** **SURFOFFSET** **/** **Creates** **a** **parallel** **surface** **or** **solid** **by** **setting** **an** **offset** **distance** **from** **a** **surface** **O** **OPTIONS** **/** **Customizes** **the** **program** **settings** **ORBIT** **/** **3DO** **3DORBIT** **/** **Rotates** **the** **view** **in** **3D** **space** **but** **constrained** **to** **horizontal** **and** **vertical** **orbit** **only** **OS** **OSNAP** **/** **Sets** **running** **object** **snap** **modes** **P** **Q** **R** **P** **PAN** **/** **Adds** **a**