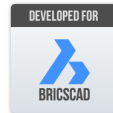


CADPower

CADPower Tool List

“Super-charging BricsCAD and AutoCAD user productivity since 1999”



Now available for ZWCAD & ARES Commander also!

ZWCAD



Polyline Tools

Join







- | | | |
|--|------------------|---------------------------------------|
| | CP_3DJ | Join 3D Polylines |
| | CP_PLJOIN | Automated Join - 2D polylines |
| | CP_JOINCONNECTED | Join connected segments automatically |

Change 2d>3d>2d









- | | | |
|--|-----------|----------|
| | CP_CH2D3D | 2D-to-3D |
| | CP_CH3D2D | 3D-to-2D |

Vertex Management













- | | | |
|--|-----------------|--|
| | CP_DELVX | Delete Vertex |
| | CP_INSVX | Insert Vertex |
| | CP_DENSIFY | Densify vertices |
| | CP_REM_LINVERTS | Weed (remove) collinear vertices from polyline |
| | CP_PL_PLACE | Place Points/Blocks along vertices |
| | CP_FIXCLOSED | Add / Remove redundant closing vertex in polylines |

	CP_DELSVP	Delete single vertex polylines
	CP_MVEDIT	Multiple Vertex Editor
	CP_NEWSTART	Specify a new start point for closed polylines 
	CP_TWEAKPOLY	Tweak polyline vertex 








Part Editing

	CP_PARTEXTTRACT	Extract part of a polyline 
	CP_PARTCOPY	Copy(and move) part of a polyline
	CP_PARTOFFSET	Offset part of a polyline
	CP_PARTSTRETCH	Stretch part of a polyline
	CP_PARTMIRROR	Mirror part of a polyline
	CP_PARTROTATE	Rotate part of a polyline
	CP_PARTRESHAPE	Reshape part of a polyline





Inquiry & Statistics

	CP_PL_STAT	Compute detailed polyline statistics  
	CP_LAYERAREA	Compute summed polyline areas from selected layers
	CP_LENGTH	Compute lengths
	CP_CALCAREA	Compute summed areas of closed polylines  
	CP_BULGE	Display info. about polyline bulge (arc segments)
	CP_FINDHND	Search entities via handles
	CP_MEASURE2POINTS	Measure distance between two points on curve 



More Editing

	CP_XV	Express Pedit
	CP_MPEDIT	Multiple Pedit
	CP_CHW	Change Widths
	CP_XP_WPL	Explode Polyline with width
	CP_SEGLENSET	Specify segment lengths in polylines
	CP_SEGDEL	Delete a single segment from polyline 











Flip

	CP_FLIP	Flip (Reverse) direction 
	CP_PLARCMIRROR	Flip (mirror) arc segments of polylines 

Fillet








	CP_FILLETPOLY	Enhanced fillet command
	CP_MFILLET	Fillet multiple polylines

Others







	CP_INOUTOFFSET	Offset closed polylines INwards/OUTwards 
	CP_XPSPL	Explode Splined
	CP_FLOW_LT	Control polyline linetypes
	CP_ZPOLY	Zoom to Polyline
	CP_FIXUCS	Fix line/polylines with different UCS 
	CP_LINPOLY	Draw linear polylines from arced polylines
	CP_POLYGETZ	Acquire Neighboring polyline elevations 

Conversion







Line/Polyline/Arc/Spline

	CP_PLARC2PL	Convert Arc Polylines to linear segment polyline
	CP_PLINE2ARC	Convert linear polylines to arcs/arced polylines
	CP_LINE2PL	Convert lines and arcs to polylines
	CP_SPL2PL	Convert Splines to polylines 
	CP_PL2SPL	Convert polylines to SPLINE
	CP_LINE2XLIN	Line 2 XLIN

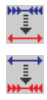
Polyline/3DFace/Mesh

	CP_PL23DFACE	Convert polylines to 3dface 
	CP_PL2PFACE	Convert polylines to PFACE
	CP_3DF2PL	3DFaces to polylines
	CP_3DF2PFACE	3DFaces to polyface mesh
	CP_PFACE2PL	Polyface mesh to polylines

More conversion

	CP_BLKSH2P	Convert Blocks/Shapes/Text/Circle to Points
	CP_P2BLKSH	Convert Points/Text/Circles to Blocks/Shapes
	CP_0LEN2PNT	Convert 0 Lengths to POINTs
	CP_ATT2XD	Attributes to Xdata 
	CP_ELLIPSE2CL	Ellipses to Circles

Polyline Types



CP_CH_H2L

Heavy-Weight to Light-Weight



CP_CH_L2H

Light-Weight to Heavy-Weight



CP_SCALE_Z

Scale Z values



CP_BL2BE

Change Properties ByLayer-to-ByEntity



CP_FLATTEN

Flatten - Convert to 0.0 elevation



CP_UNITCONV

Units change

Export



CP_IMPEX

Import/Export points and lines 



CP_CSVEXPORT

Export columns of text into CSV format



CP_MULTEXPORT

Multiple drawing export in various formats



CP_3DF2DM

Export 3dface objects into SMS 2DM file format



CP_IMPORT2DM

Import 2DM files as 3dface objects



CP_INSOLE

Import image(s) as OLE objects



CP_EXPORT2DWF

Export DWF



CP_MULTIPLEPDFEXPORT

Multiple PDF Plot 

Draw

Geometry



CP_CREATETAPER

Tapered lines



CP_SLOT

Slot



CP_HELIX

Helix



CP_PARABOLA

Parabola



CP_INVOLUTE

Involute



CP_TUBE

Tube



CP_TRUNCONE

Truncated Cone



CP_PERP

Perpendicular lines



CP_DBOX

Draw Rectangle with diagonals



CP_XLINES

Projected(construction) lines



CP_TANCURVE

Tangents to Curves



CP_LINEEQ

Equation of a Line



CP_CGRID




Construction Grid 





CP_RECTLB

Draw Rectangle with dimensions















CAD Objects

	CP_EASY3DPOINT	Easy 3dpoint
	CP_EASY3DPOLY	Easy 3dpolyline
	CP_EASY3DFACE	Easy 3dface

Symbology








	CP_ROUGHEN	Roughen a Line
	CP_PATTERNPLACER	Place a pattern at regular spacing




Rule-based







	CP_DRAWPOLYINCDEC	Draw 3d polylines with auto.Elev increment /decrement
	CP_BOXSCREEN	Draw a rectangle box at the current screen extents
	CP_BOUNDENT	Draw bounding box around selected object(s)
	CP_SORTEDPOLY	Draw a polyline by joining points in sorted order  
	CP_SHOWPLARCS	Draw arc-ends to arc-center connections in arcs & poly-arcs
	CP_HOLETABLE	Draw Hole table 
	CP_CAM_PROFILE	Draw CAM Profile
	CP_CURVEANALYZER	Draw tool cutting path around a closed boundary 
	CP_NESTEDBOUNDARY	Draw nested boundary
	CP_POLYAREACREATE	Draw closed polylines to an exact area

Build
















Offset

	CP_MOFFSETR	Multiple Offset - Relative
	CP_MOFFSETA	Multiple Offset - Absolute
	CP_OFFSET	Offset and delete original
	CP_3DOFFSET	Offset 3d polylines 
	CP_SEGOFFSET	Offset single segment from polyline
	CP_MVOFFSET	Multiple Variable polyline segment offset



















	CP_BOUNDARY	Create a boundary (closed polygon) around a point
	CP_CREATECENT	Create centroid marks inside closed polygons 

	CP_MEASUREMANY	Measure multiple objects 
	CP_EXTRUDER	Easy Solids Extruder
	CP_JNE	Join nearest ends of lines, polylines
	CP_CPROT	Copy and then Rotate
	SCP_MVROT	Move and then Rotate

CADPower Object Data Management






























	CP_DATAMAN	Object Data Manager – Create, Edit Data Tables
	CP_ATTACHATA	Attach Object Data
	CP_DETACHDATA	Detach Object Data
	CP_EDITDATA	Edit Object Data
	CP_COPYDATA	Copy Object Data
	CP_LABELDATA	Label CADPower Object Data
	CP_QUERYDATA	Query Object Data
	CP_CPOD_EXPORT	Export Object Data
	CP_CPOD_IMPORT	Import Object Data
	CP_CPOD_TABLEDATA	Create CAD TABLE from object table data
	CP_EXCELCOPYPASTE	Copy and Paste from Excel
	CP_EXCEL2ATTBLK	Create attributed block / object table from Excel
	CP_EXCELQUERY	Query and Insert data from Excel sheet 
	CP_CPOD_ATT2OD	Transfer Attributes to Object Table Data

Annotation










	CP_IDXYZ	Label points 
	CP_VXLABEL	Label polyline vertices 
	CP_SEGLABEL	Label polyline segments 
	CP_ANGLABEL	Label polyline Angles 
	CP_ANNOTATEENDS	Annotate ends of lines/polylines with symbols
	CP_ANNOTPOINTS	Annotate points, based on layer names
	CP_LENTEXT	Create/update length annotation 
	CP_AREATEXT	Create/update area annotation
	CP_LEVELIT	Create Elevation Levels (LEVELIT) 
	CP_HNDLABEL	Display object handles as text labels
	CP_MARKLEVELS	Mark levels above-or-below a selected datum
	CP_AUTOPOLYLABEL	Pick and create enclosing closed boundary area Annotation












Blocks






Block-related

	CP_MOD_SHBL	Globally Modify Block Properties 
	CP_BLKMAN	Block Names Editor 
	CP_REPBLK	Replace Block
	CP_XP_ATT (BURST)	Explode Block- Retain attributes as Text
	CP_COMPAREBLKATTS	Compare Block attributes and create report
	CP_CONNECTBLOCKS	Connect blocks based on attribute values 
	CP_MREDEFINE	Multiple Redefine Blocks-Lyr/Clr
	CP_EXPLODENESTED	Explode only nested blocks
	CP_EXPLODE2LAYER	Explode blocks to a specified layer
	CP_DRAWSEGBLOCKS	Place a block along each segment of the polyline
	CP_MBLKTRIM	Trim lines/polylines along intersecting blocks
	CP_BLOCKINS	Express Block Insert
	CP_REPEATBLK	Repeat Last Block Insert
	CP_SMARTINSERT	Smart Block Insert
	CP_BO	Select and export Block to DWG
	CP_BI	Select and import Block from DWG
	CP_BLKSLIDE	Slide (move) block relative to its rotation angle
	CP_BLK2DWG	Export multiple blocks to DWG
	CP_BCOUNT	Count occurrence of block insert objects
	CP_SCLEEDIT	Interactive XY scale editor 
	CP_SCLFLIP	Interactive XY Scale Flip 
	CP_INSSIMILAR	Insert similar named blocks
	CP_ANONYMOUSBLK	Convert to anonymous block
	CP_NCOPY	Nested Block copy

Attribute-related









	CP_ATTEDIT	Global Attribute Editor 
	CP_EASYATT	Multiple-Choice attribute editor
	CP_EASYATT_SETUP	Multiple-Choice attribute editor Setup
	CP_EASYATTCLASS	Change block layers/color based on attribute values
	CP_ATTTEXT	Extract Block attributes to file
	CP_PROP2ATT	Transfer AutoCAD properties to Blocks attributes
	CP_TAGEXT	Export Block Attribute Tags to ASCII file
	CP_TAGREN	Rename block attribute tags, prompts and defaults

	CP_TAGDEL	Delete block attribute tags from block definition
	CP_ATTMOVE	Move attribute
	CP_ATTROTATE	Rotate attribute
	CP_ATTMOVEMULT	Move all attributes at once
	CP_ATTROTATEMULT	Rotate all attributes at once
	CP_ATTUPRIGHT	Make attribute readable
	CP_ATTXFER	Transfer Attributes between blocks
	CP_TXT2ATT	Transfer Text strings to Block attributes
	CP_ATTREORDER	Re-order attributes in a block
	CP_ATTOUT	Export attributes
	CP_ATTIN	Import attributes











	CP_ZOOMTXT	Search and replace text/attributes
	CP_BLKEDIT	Edit blocks graphics and attribute properties independently
	CP_DYNATTPLACE	Place Block - position attributes interactively
	CP_CREATEATTRIBUTEDBLOCK	Create an attributed block
	CP_SRCHBLK4TXT	Search Blocks for text strings




Text

Creation




	CP_TC	Draw Quick Text (running numbers)  
	CP_CURVETEXT	Create text along a curve 
	CP_EASYTEXT	Create text aligned to a curve
	CP_DATESTAMP	Create Date/Drawing Stamp
	CP_MT	Draw Multiple Text

Editing










	CP_MODTXT	Globally modify TEXT/MTEXT
	CP_TXTFILTER	Text Filter
	CP_TXTROUND	Round Off Numeric text
	CP_ENCLOSE	Enclose Text in Box
	CP_CONS_TXT	Consolidate Text into MText 
	CP_CONS_QMTXT	Consolidate Text into MText (quick version)
	CP_SPLITTEXT	Split long text strings into individual strings
	CP_UNCLUTTER	Unclutter text objects 



	CP_TXTSLIDE	Slide (move) text relative to its rotation angle
	CP_TXT2FILE	Write Text to File
	CP_TXTEDIT	Global Multiple Text Editor

Conversion











	CP_TXT2ATTDEF	Convert text strings to attribute definitions
	CP_ATTDEF2TXT	Convert attribute definitions to text objects
	CP_CHCASE	Change Case

Display

	CP_ALIGNTEXT	Align Text Objects
	CP_ALIGNTEXT2LINE	Align Text Objects to a line
	CP_TXTSPACING	Adjust the spacing between text objects
	CP_TXTCHANGE	Exchange one text with another 
	CP_TORIENT	Text Orient: Make Text, MText readable
	CP_UND_LINE	Underline Text
	CP_TEXTMASK	TextMask - Hide underneath
	CP_TCOUNT	Count occurrence of text objects






















	CP_TXTEVAL	Apply arithmetic/statistical operations on text objects
	CP_DWGFONTS	List Drawing Fonts

Extended Entity Data












	CP_REMXD	Remove Xdata 
	CP_XD_RENAMEAPP	Rename XDATA application name 
	CP_XD_SEARCH	Search and replace extended entity data
	CP_SHOWXD	Display extended entity data from picked object
	CP_XD_EXTRACT	Extract extended entity data to ASCII files
	CP_OD_XD_LABEL	Create text labels from Object data / extended entity data
	CP_NODATA	Check for no Xdata / Object Data
	CP_EASYEED	Edit XDATA in a dialog box

BOM/BOQ Tools

	CP_BOM	BOM/BOQ Generator     
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 CP_TILEPLACE	Place panels/tiles    
 CP_TILEOFFSET	Offset tiles / XY panels
 CP_TILECOUNT	Count tiles / XY panels  
 CP_TILEEDIT	Edit tiles / XY panels
 CP_SCLEEDIT	Interactive (re)scale panels/tiles   
 CP_BUILDWALLS	Build Walls from plan footprint
 CP_SEGLENHGTSET	Set Height/Length of wall segments
 CP_PLACEFIXTURES	Place openings/fixtures on walls/floors
 CP_COMPUTEWALLAREAS	Compute Wall/Openings areas
 CP_LINEQTY	Compute linear quantities 
 CP_BARMAN	The (re)Bar Manager











Parts Management

 CP_PARTASSIGN	Assign part names  
 CP_PARTUNASSIGN	Un-Assign part names 
 CP_PARTLABEL	Label part names  
 CP_PARTCOUNT	Count part names  










ERP Export Tools

 CP_CONVERT2EXCEL	Convert text table to Excel CSV data
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Panels, Layouts and Sizing














 CP_SHEETCUTTER	Rectangular Sheet Cutter 
 CP_SHEETCUTTERARBITRARY	Arbitrary sized Sheet Cutter 
 CP_PIECEMAKER	Cut a linear item into pieces  
 CP_POLYSLIDE	Copy and offset panels with gaps
 CP_MVEDIT	Dynamic and precise polygon editing 

Viewports




 CP_VPEXTRACT	Extract clipping boundary 
 CP_VPBNDYUPDATE	Update clipping boundary 
 CP_LOCKVPORTS	Lock/unlock paper-space viewports
 CP_LOCKVPCURLAYOUT	Lock All Viewports in current layout
 CP_UNLOCKVPCURLAYOUT	UnLock All Viewports in current layout
 CP_VPMAX	Maximize viewport
 CP_VPMAXRESTORE	Restore original view setup after running VPMAX

Miscellaneous

File Management












 CP_FILEMAN	File Manager
 CP_DWGBROWSER	DWG browser, with thumbnail previews
 CP_BINDXREF	Detaches all un-referenced XREFs and binds all others into current DWG
 CP_BATCHPROCESS	Batch process multiple drawings with scripts
 CP_MULTINS	Multiple DWG Inserts
 CP_MXREF	Multiple drawings XREF
 CP_READEXIF	View/Extract EXIF from images  
 CP_INIEDITOR	Edit CADPower INI files
 CP_CSVEDITOR	Edit CSV files
 CP_MOVEBAK	Move .bak files to a folder
 CP_RECOVERYMANAGER	Drawing Recovery Manager











Export

 CP_LYRS2DWG	Layers to DWG
 CP_DWGSPLIT	Split a drawing into smaller parts
 CP_FILEESORT	Sort ASCII files






















CAD Procedures

First Set






 CP_MATCH	Match Properties
 CP_OBJALIGN	Align Objects
 CP_XYZSCL	Scale objects (unequally) in X, Y and Z directions
 CP_SCALETOUNITY	Scale to a unit (1.0) distance in X
 CP_MEANPOINT	Create a mean (averaged) point from a cluster of points
 CP_FLIPZ	Flip (reverse) elevations(Z) from selected objects
 CP_ROUNDOff	Round Off Values from points/lines
 CP_XTRACT	Extract (single entity) from XREF 
 CP_XTRACTXREFLAYERDLG	Extract Layer(s) from multiple XREFs
 CP_XP_RETDAT	Explode objects - Retain Object Table and






	CP_HATCHAREA	extended entity data
	CP_FLIPARCS	Report on areas covered by HATCH objects
	CP_VISIBLE	Flip ECS of arcs with negative normal
	CP_DIMPREC	Change object visibility
	CP_HATCHBOUND	Change Dimension Precision
	CP_HATCHINSVX	Re-Create Hatch boundaries from HATCH object
	CP_HATCHDELVX	Insert vertex in hatch boundary 
	CP_PROXYREMOVER	Delete vertex from hatch boundary 
		Remover proxy references from entities

Second Set










	CP_CHOP	Object Chopper
	CP_AUTODIM	Automatic Dimensioning
	CP_FACENORMAL	Control 3dface Face Normals
	CP_CONTBREAK	Break (Split) objects along a polyline
	CP_ZOOMENT	Zoom to extent of selected object(s) (with 5% margin)
	CP_DELETELAYOUTS	Delete paper-space layouts
	CP_NULLTEXT	Delete Null TEXT
	CP_PURGEALL	Purge All Unused Symbols
	CP_SCALECLEAN	Remove all unreferenced scales
	CP_REPURL	Search / Replace attached URL
	CP_POLYCLIP	Clip an image along a boundary polygon
	CP_IMAGETRIM	Trim an image along a boundary line
	CP_SHAPEMANAGER	Analyze and manage geometric shapes  
	CP_LINEPLANEINT	Determine the intersection of line and plane
	CP_DIVPOLY	Divide a 3/4 sided polygon
	CP_JOINCOLLINEAR	Join collinear lines & polylines
	CP_DWGAUDIT	Perform drawing audit and clean-up
	CP_WIPEOUT	Create a WIPEOUT buffer around closed polygons
	CP_WBLOCKBC	W block and preserve AutoCAD Map objects

Selection














	CP_PLFILTER	Polylines based on properties
	CP_3DFFILTER	3DFaces based on properties
	CP_ESELECT	Enhanced Entity Selector
	CP_MAKESEL	Build Selection Set
	CP_FILTER	Object Selection FILTER

 CP_FINDZRNG	Find objects in selected Z range
 CP_FINDENCLOSED	Find points enclosed within 3dface space
 CP_SL	Select Current Layer
 CP_SS	Select Current Style
 CP_LASTSEL	Put last CADPower selection in 'previous' sel.set

Inquiry

 CP_SURFAREA	Compute Surface Area of 3DFACEs
 CP_ANGLE	Display angle between two lines
 CP_CGRAV	Compute Center of Gravity
 CP_DWG_STAT	Display Drawing Statistics
 CP_PERIMTR	Compute running distance/perimeter
 CP_VISIT	Object Selection Browser
 CP_QUERY	Quick elevation Info
 CP_DXY	Enhanced DIST command
 CP_ISLANDAREA	Compute Island Areas


























Layer





 CP_LAYERMAN	Layer Names Editor 
 CP_ISOD	Isolate layer(s)
 CP_RESTORE	Restore Isolated layer(s)
 CP_SL_1	Save Layer State - 1
 CP_SL_2	Save Layer State - 2
 CP_SL_3	Save Layer State - 3
 CP_RL_1	Restore Layer State - 1
 CP_RL_2	Restore Layer State - 2
 CP_RL_3	Restore Layer State - 3
 CP_CCL	Change to current layer
 CP_CPCL	Copy to current layer
 CP_COPYLYR	Copy layer contents to another layer

Toolbars

 CP_GENSET	Settings...
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More Options

 CP_DEFMACROS	Load CADPower command macros  
 CP_LOAD	Load CADPower
 CP_UNLOAD	Unload CADPower
 CP_REGRESET	Reset command defaults in registry
 CP_CMDSEARCH	Search GeoTools/CADPower commands 
 CP_CMDLIST	List GeoTools/CADPower commands
 CP_ABOUT	About CADPower...
 CP_README	Readme and Installation
 CP_CHECKUPDATES	Check for CADPower updates
 CP_ACTIVATELICENSE	Activate CADPower license
 CP_REMOVELICENSE	CADPower Remove License
 CP_DISPLAYLICENSEINFO	License Info...
 CP_DEBUGINFO	Display debug info
 CP_SHOWPATHS	Show System and DWG Paths
 CP_MAINTENANCE	Maintenance/Housekeeping
 CP_BRICSYSTV	Bricsys TV    
 CP_ORDER	Ordering Info...
 CP_VIDEOS	CADPower Videos

 CP_HELP	Display help about CADPower
 CP_CMDHELP	Command Help (htm)...
 CP_LASTCMDHELP	Last Command Help (htm)...
 CP_APPKEY	Display Application Key...

CADPower defined macros

The CADPower macros are not enabled by default, to prevent user-pre-defined macros from being changed. If you want to enable the macros, please run the **CP_DEFMACROS** command on the command line for one-time enabling or select **CADPower -> Settings** from the menu and click on the dialog-box option to enable CADPower macros automatically upon startup (see dialog below).

CADPower default settings

Text Height (in DWG units)

Blocks/Text Rotation angle (degrees)

Beep on error

Annotation units

Linear

Area

☐ Attach linear and area units strings as suffixes to values?

Text Justification

X Scale Factor for Blocks

Y Scale Factor for Blocks

Display and output precision

X (Eastings)

Y (Northings)

Z (Elevations)

Distance measurements

Angular measurements

Other miscellaneous settings

Fuzzy search tolerance around points of interest

Maximum Selection set size to store

Progress indicator interval

Toggle Settings

☐ Automatically update CAD search path with install folder

☐ Top of folder list (highest preference)

☐ Bottom of folder list (lowest preference)

☒ **Enable CADPower defined shortcut macros on start**

☐ Enable voice mode for important messages / errors

☐ Force reload of CUI at startup

☐ Show floating license dialogs

☐ Display command line options

☐ Disable the CADPower 'BURST' command

☐ Disable the CADPower 'BREAKLINE' command

☐ Disable the CADPower 'TCIRCLE' command

☐ Do not show user-interface

☐ Perform Show/Hide toolbars in all workspaces

☐ Move BAK files automatically on Save

☐ Highlight [grips] of last processed CADPower/GeoTools command

☒ Use .NET dll for polyline computations and triangulation

Abbreviated command	Full command name
A	Array
AC	Array Classic
B	Break
BL	Block
CH	Change Properties
CG	Change Command
CI	Circle
C	Copy
DI	Dist

ELL	Ellipse
3P	3DPoly
PO	Point
SOL	Solid
A3D	Array3D
R3D	Rotate3D
M3D	Mirror3D
DO	Donut
E	Erase
DD	DDEDIT
F	Fillet
I	Insert
L	Line
LI	List
M	Move
MI	Mirror
O	Offset
PE	Pedit
PL	Pline
RG	Regen
RT	Rotate
SC	Scale
MU	Move UCS
OS	Switch of all osnaps
SE	Set OSNAP Endpoint
SI	Set Osnap Intersection
SM	Set OSNAP MidPoint
SD	Set OSNAP Node
SN	Set OSNAP Nearest
SP	Set OSNAP Perpendicular
SQ	Set OSNAP Quadrant
SO	Set OSNAP Center
ST	Stretch
T	Trim
TX	Text
UCN	Undo Control None
UA	Undo All
WB	Wblock (no dialog, selected objects)
WB*	Wblock (no dialog, all objects)
WBs	Wblock(specify new insertion point)
EX, ET, XT	Extend
XP	Explode
ZA	Zoom All
ZD	Zoom Dynamic
ZE	Zoom Extents
ZF	Zoom Full (10% margins)
ZP	Zoom Previous
ZW	Zoom Window
3F	3DFace

ES	EDGESURF
RS	RULESURF
TS	TABSURF
RVS	REVSURF
TS	TABSURF
AP	APERTURE
AA	AREA
VP	VPOINT
CF	CHAMFER
CLR	COLOR
DI	DIMENSION
DH	Dim Horizontal
DV	Dim Vertical
DA	Dim Aligned
LDR	Dim Leader
UW	UCS World
UX	UCS Rotate X axis
UY	UCS Rotate Y axis
UZ	UCS Rotate Z axis
V,VIEW	VIEW
VD	View Delete
VR	View Restore
VS	View Save
VW	View Window
V?	View list
IO	Insert block at 0,0,0
WB0	Wblock command with 0,0,0 Insertion
DL	Delete the contents of a layer
JO	Join two lines at their ends by extension
LO	Lock picked layer
OF	Switch off picked layer
ON	Switch on picked layer
TH	Thaw picked layer
FR	Freeze picked layer
OF*	Switch off all layers
FR*	Freeze all layers
ON*	Switch on all layer
TH*	Thaw all layers
NEWLYR	Create new layer
CL / CH_LYR	Change selected objects to a destination layer
CC / CH_CLR	Change color
CLT / CH_LTY	Change linetype
CE / CH_EL	Change elevation
PALL	Purge All
ES	EDGESURF
RS	RULESURF
TS	TABSURF

RVS	REVSURF
TS	TABSURF
AP	APERTURE
AA	AREA
VP	VPOINT

BricsCAD +

(A collection of commands in a designated pull-down menu called BricsCAD+ is provided to make it super-easy for new AutoCAD users to find some of the common tools as seen in AutoCAD)



LAYER

Starts the layer dialog from the Explorer 

LAYER Tools



Layer On



Layer Off



Lock Layer



Unlock Layer



Freeze Layer



Thaw All Layer



Isolate Layer



Unisolate Layer

Pan



Realtime



Point



Left



Right



Up



Down



Set Pan Factor

Zoom



Realtime



Previous



Window



Object



Dynamic



Scale





Center





In






Out











-  All
-  Extents
















3d Views






-  Viewpoint Presets
-  Viewpoint

Plan View







-  Current UCS
 -  World UCS
 -  Named UCS
-

-  Top
 -  Bottom
 -  Left
 -  Right
 -  Front
 -  Back
 -  NW Isometric
 -  SW Isometric
 -  NE Isometric
 -  SE Isometric
-



- | | | |
|---|----------------------------|------------------------------------|
|  | Select Color | COLOR dialog box |
|  | Linetype | |
|  | Lineweight | |
|  | Text Styles | |
|  | Point Style Dialog | |
|  | Point Style | |
|  | Dimension Style | |
|  | Multiline Style | |
|  | Drawing Limits | |
|  | Drawing Units | |
|  | Filter | Filter command in BricsCAD |
|  | Purge All | Automatic Purge All (one-click) |
|  | Reattach All Xref | |
|  | Change Dimension Precision | Select dimension, change precision |
|  | Reassociate Dimensions | |

-  Update Dimensions
-  Tan-tan-Tan Circle
-  Lengthen Dynamic
-  Add Annotation Scale Values
-  Scale List Editor






FREEWARE-By-CADPower (BricsCAD Only)

- | | |
|--|---|
|  CP_NCOPY | Nested Copy |
|  CP_FILTER | Search and replace extended entity data |
|  CP_TORIENT | Text Orient, Make text readable |
|  CP_CHCASEQUICK | Quick Change Case command |
|  CP_CURVETEXT | Create text along a curve |
|  CP_TEXTMASK | Hide underneath |





Hatch Patterns Management





- | | |
|---|-----------------------------------|
|  CP_HATCHINSVX | Insert vertex in hatch boundary |
|  CP_HATCHDELVX | Delete vertex from hatch boundary |
















Viewports Management

- | | |
|--|---|
|  CP_LOCKVPORTS | Lock/unlock all viewports in selected layout(s) |
|  CP_LOCKVPCURLAYOUT | Lock all viewports in current layout |
|  CP_UNLOCKVPCURLAYOUT | Unlock all viewports in current layout |
|  CP_VPMAX | Maximize viewport |
|  CP_VPMAXRESTORE | Restore paper-space view after CP_VPMAX |











Save / Recovery / .BAKup

- | | |
|--|----------------------------------|
|  CP_MOVEBAK | Move .BAK files to a folder |
|  CP_RECOVERYMANAGER | Drawing Crash recovery Manager |
|  CP_CRASHREPORTMGR | Crash report file manager |
|  CP_WBLOCKBC | WBLOCK and save AutoCAD Map Data |

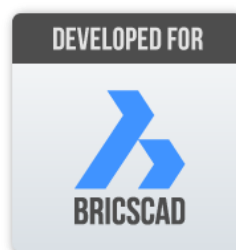
- | | |
|---|---|
|  CP_ENHANCEDAREA | A better AREA command |
|  BURST | Explode blocks, retain attributes as text |
|  TJ | TJ-Text Justify |
|  CBREAKLINE | Break Line |

 CTCIRCLE	TCIRCLE
 CP_TCOUNT	Text Count, # of times
 BCOUNT	Count number of block insert objects
 EXTRIM	Trim everything outside
 REDRAW	B-R-I-C-S-C-A-D Support
 DDPSTYLE	Point Stp Style Dialog
 CP_DIMPREC	Change Dimension Precision
 CP_SHOWPATHS	Show system & DWG paths 
 CP_DWGSET	Drawing Settings  
 CP_PLOTSTYLECOPY	Plot Style Copy (from OTHERCAD)
 CP_PROXYREMOVER	Remove proxy references from entities
 CP_APPLOAD	Load applications

Support (BricsCAD only)

 CP_SUPPORTTV	Display BricsCAD support related videos
 CP_MAINTENANCE	Quick tool to perform support-maintenance
 CP_DWGSET	Drawing Settings  
 CP_SHOWPATHS	Show System and DWG paths Quick browse Windows and CAD system paths
 CP_UPDATESUPPORT	Update Hatch patterns and/or fonts
 CP_MERGEHATCH	Check and merge .PAT files
 CP_CRASHREPORTMGR	Analyze & extract time-wise crash reports
 CP_PLOTSTYLECOPY	Plot Styles copy (from OTHERCAD)

Supported CAD platforms:



ZWCAD



Product Page URL:

<https://www.thedesignsense.com/cad-power>

