

## Comparativa BricsCAD vs. AutoCAD

\* = New feature

### Files

	V17 (Windows)			V17 (Mac)			V17 (Linux)			AutoCAD		
	Platinum	Pro	Classic	Platinum	Pro	Classic	Platinum	Pro	Classic	2017	LT	Mac
Native .dwg 2013 file format	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
dwg for AutoCAD version 2.5 to 2017	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✗	✗
Password protection	✓	✓	✓	✗	✗	✗	✗	✗	✗	✓	✓	✓
Lock files	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Xrefs in-place editing	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PDF underlays	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Export to PDF using style tables	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Export to DWF 2D & 3D	✓	✓	✓	✓	✓	✓	✗	✗	✗	✓	✓	✓
Export to SVG	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✗	✗
DAE import/export (XML 3D data)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✗	✗
eTransmit	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Sheet set manager	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
<a href="#">Chapoo® (upload, share, view, annotate documents in the cloud)</a>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✗	✗
Communicator (extended import/export) (9)	✓	✓	✗	(1)	(1)	✗	✓	✓	✗	✗	✗	✗

### Interface

Get Started dialog	*	*	*	*	*	*	*	*	*	✓	✓	✓
Documents tabs	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗
CUI menus and toolbars	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Ribbon	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗
Workspaces	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗
Visual menu customization	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Extended Quad cursor 2D/3D	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✗	✗
LookFrom widget (view orientation)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Tool palettes	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Industry standard commands	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Command Line with auto completion	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗
Extended Drawing Explorer	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Searchable Settings Manager	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

### Selection, Snap & Track

Selection preview	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Quick Select tool	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
ADDSELECTED command	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
SELECTSIMILAR command	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Cycling through entities or subentities during selection	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Hot grips for multiple grip points modification	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
SnapTrack™ & Polar tracking	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
ZINTERSECTION 3D snap	*	*	*	*	*	*	*	*	*	✗	✗	✗

### 3D

Full ACIS modeling & editing	✓	✓	✗	✓	✓	✗	✓	✓	✗	✓	(3)	(3)
Direct 3D modeling	✓	✓	✗	✓	✓	✗	✓	✓	✗	✓	✗	✗
Polysolids (walls, slabs, ...)	✓	✓	✗	✓	✓	✗	✓	✓	✗	✗	✗	✗
Hardware library (more than 30.000 standard parts)	✓	✓	✗	✓	✓	✗	✓	✓	✗	✗	✗	✗
Geometric 3D constraints creation	✓	✗	✗	✓	✗	✗	✓	✗	✗	✗	✗	✗
Geometric 3D constraints solving	✓	✗	✗	✓	✗	✗	✓	✗	✗	✗	✗	✗
Design intent	✓	✗	✗	✓	✗	✗	✓	✗	✗	✗	✗	✗
Visual styles	✓	(8)	✓	✓	(8)	✓	✓	(8)	✓	✗	✗	✗
Section planes	✓	✓	✗	✓	✓	✗	✓	✓	✗	✓	✗	✗
Generated views	✓	✓	✗	✓	✓	✗	✓	✓	✗	✓	✗	✗
Surface entity creation	✓	✓	✗	✓	✓	✗	✓	✓	✗	✗	✗	✗
Deformable Modeling	✓	✗	✗	✓	✗	✗	✓	✗	✗	✗	✗	✗
3D Comparison tool	*	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
Lofting	✓	✓	✗	✓	✓	✗	✓	✓	✗	✗	✗	✗
Geometry Healing	✓	✓	✗	✓	✓	✗	✓	✓	✗	✗	✗	✗
Support for Photometric Lighting	✓	✓	✗	✓	✓	✗	✓	✓	✗	✗	✗	✗
Powerful rendering engine	✓	✓	✗	✓	✓	✗	✓	✓	✗	✓	✗	✗
600 high-definition render materials	✓	✓	✗	✓	✓	✗	✓	✓	✗	✓	✓	✓
MATERIALMAP command	*	*	*	*	*	*	*	*	*	✓	✓	✓
Walkthrough navigation	✓	✓	✗	✓	✓	✗	✓	✓	✗	✓	✗	✗
ANIPATH command	*	*	✗	*	*	✗	*	*	✗	✓	✗	✗

### Mechanical

Mechanical browser	✓	(3)	✗	✓	(3)	✗	✓	(3)	✗	✗	✗	✗
Assemblies import (10)	✓	✓	✗	✓	✓	✗	✓	✗	✗	✗	✗	✗
Assembly modeling (hierarchical component organization)	✓	✗	✗	✓	✗	✗	✓	✗	✗	✗	✗	✗
Assembly viewing	✓	✓	✗	✓	✓	✗	✓	✓	✗	✗	✗	✗
Assembly constraints	✓	✗	✗	✓	✗	✗	✓	✗	✗	✗	✗	✗
Kinematic analysis	✓	✗	✗	✓	✗	✗	✓	✗	✗	✗	✗	✗
Bill of materials	✓	✗	✗	✓	✗	✗	✓	✗	✗	✗	✗	✗

### Sheet Metal (9)

Sheet metal design	✓	✗	✗	✓	✗	✗	✓	✗	✗	✗	✗	✗
Form features	*	✗	✗	*	✗	✗	*	✗	✗	✗	✗	✗
3D solids conversion to unfoldable sheet metal parts	✓	✗	✗	✓	✗	✗	✓	✗	✗	✗	✗	✗
Corner relief for adjacent edge flanges	✓	✗	✗	✓	✗	✗	✓	✗	✗	✗	✗	✗
Lofted Bends	✓	✗	✗	✓	✗	✗	✓	✗	✗	✗	✗	✗
Coloring	✓	✗	✗	✓	✗	✗	✓	✗	✗	✗	✗	✗
Diagnostic for invalid sheet metal features	✓	✗	✗	✓	✗	✗	✓	✗	✗	✗	✗	✗
Batch Processing	✓	✗	✗	✓	✗	✗	✓	✗	✗	✗	✗	✗

### Building Information Modeling (BIM) (9)

BIM features	✓	✗	✗	✓	✗	✗	✓	✗	✗	✗	✗	✗
Project database	✓	✗	✗	✓	✗	✗	✓	✗	✗	✗	✗	✗
Library database	✓	✗	✗	✓	✗	✗	✓	✗	✗	✗	✗	✗
Site, Building and Stories	*	✗	✗	*	✗	✗	*	✗	✗	✗	✗	✗
Windows and doors	✓	✗	✗	✓	✗	✗	✓	✗	✗	✗	✗	✗
Rooms	✓	✗	✗	✓	✗	✗	✓	✗	✗	✗	✗	✗
IFC import	✓	✗	✗	✓	✗	✗	✓	✗	✗	✗	✗	✗
SketchUp import (version 15 and earlier)	✓	✗	✗	✓	✗	✗	✓	✗	✗	✗	✗	✗
IFC export	✓	✗	✗	✓	✗	✗	✓	✗	✗	✗	✗	✗

### Dimensions

Dynamic dimensions	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Association of an existing dimension to an entity	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Dimensional 2D constraints	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	(7)	(7)
Dimensional 2D constraints using expressions	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	(7)	(7)

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	V17 (Windows)			V17 (Mac)			V17 (Linux)			AutoCAD		
	Platinum	Pro	Classic	Platinum	Pro	Classic	Platinum	Pro	Classic	2017	LT	Mac
Dimension Style families	*	*	*	*	*	*	*	*	*			
Dimension Style comparison	*	*	*	*	*	*	*	*	*	x	x	x
Dimension sub units	*	*	*	*	*	*	*	*	*			
AIDIMFLIPARROW command	*	*	*	*	*	*	*	*	*		x	x
<b>Text</b>												
In-place WYSIWYG MTEXT editor	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Multi-column text	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Stacked text	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
MLEADER	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Annotative Styles	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Spelling	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Fields	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
<b>Hatch</b>												
HATCHEDIT command	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Hatch grip edit	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
<b>Raster images</b>												
Raster image support (clipping, transparency, ...)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Support for ECW and JPEG2000	✓	✓	✓	x	x	x	x	x	x	✓	✓	✓
Support for MrSID	✓	✓	✓	x	x	x	x	x	x	✓	✓	✓
<b>Other</b>												
Support for 3Dconnexion mouse	✓	✓	✓	✓	✓	✓	x	x	x	✓	✓	✓
Multithreaded display regeneration	✓	✓	✓	x	x	x	x	x	x	✓	✓	✓
Preview filter	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Layer preview	✓	✓	✓	x	x	x	x	x	x	x	x	x
Transparency	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Layer States Manager	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Layer filters	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Multilines and multiline styles	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	(7)	(7)
Dynamic Arrays	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Data extraction wizard	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Block attribute definition manager	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Block attribute redefinition	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Dynamic blocks support (4)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Dynamic blocks grip editing	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
RESETBLOCK command	*	*	*	*	*	*	*	*	*	✓	✓	✓
Dynamic input	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Dynamic UCS (temporarily switch to surface of 3D solid)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	x	x
Real time boundary detection	✓	✓	✓	✓	✓	✓	✓	✓	✓	x	x	x
Edit properties of multiple entities	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	x	x
Tables & table styles	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Formulas in table cells	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
XEDGES command	*	*	*	*	*	*	*	*	*	✓	x	x
SOLPROF command	✓	✓	x	✓	✓	x	✓	✓	x	✓	x	x
FLATSHOT command	✓	✓	x	✓	✓	x	✓	✓	x	✓	x	x
Geometric 2D constraints	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	(7)	(7)
Web map service	✓	✓	x	✓	✓	x	✓	✓	x	✓	x	✓
<b>Printing</b>												
CTB & STB table files	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PC3 printer configuration files	✓	✓	✓	x	x	x	(3)	(3)	(3)	✓	✓	✓
Import & editing of page setups	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PUBLISH command	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Shade plot for paperspace and modelspace viewports	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Layout printing with combinations of viewports and visual styles	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Layout export	✓	✓	✓	✓	✓	✓	✓	✓	✓	x	x	x
Publish to PDF	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Export to STL (3D printing)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	x	x
Printer calibration (scale only)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
<b>Programming</b>												
ActiveX, including in-place editing	✓	✓	✓	x	x	x	x	x	x	✓	x	x
Entity data editor	✓	✓	✓	✓	✓	✓	✓	✓	✓	x	x	x
Script recorder	✓	✓	✓	✓	✓	✓	✓	✓	✓	x	x	x
Full LISP support (vl, vlr, via and vlx)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	x	x
LISP encryption	✓	✓	✓	x	x	x	x	x	x	✓	x	x
Solutions Development System (SDS/ADS)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	x	x
DCL engine	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	x	x
COM API	✓	✓	✓	x	x	x	x	x	x	✓	x	x
Visual Basic for Applications (VBA)	*(2)	*(2)	x	x	x	x	x	x	x	✓	x	x
VBA DVB projects support	(2)	(2)	x	x	x	x	x	x	x	✓	x	x
.NET	✓	✓	x	x	x	x	x	x	x	✓	x	x
BRX (BricsCAD Runtime eXtension)	✓	✓	x	(6)	(6)	x	(6)	(6)	x	ARX	x	x
TX (Teigha eXtensions)	✓	✓	✓	x	x	x	x	x	x	x	x	x
CUI menu files support, with Diesel expressions	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Legacy menu MNU and MNS file support	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
API for toolbar and menu customization	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
<b>Licensing</b>												
Multi-platform licenses	✓	✓	✓	✓	✓	✓	✓	✓	✓	x	x	x
Single	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
All-in	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Network	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	x	x
Volume	✓	✓	✓	✓	✓	✓	✓	✓	✓	x	x	x
Academic	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

(1) To be implemented.

(2) Version 7.1 - For Windows 64 bits and 32 bits.

(3) Partial.

(4) Defining dynamic blocks is not possible yet.

(5) View only. Edit under development.

(6) Without MFC classes.

(7) View/edit only. Not create.

(8) Limited (no rendering).

(9) Optional module.

(10) Requires BricsCAD Communicator. In BricsCAD Pro, only for geometry (no structure).