TurboCAD porovnání verzí včetně nástrojů jiných CAD od výrobce	TurboCAD®				BricsCAD Windows			AutoCAD® Windows		ArchiCAD Windows
	Pro Platinum 2018	Expert 2018	Deluxe 2018	Designer 2018	Platinum	Pro	Classic	2018	LT	
Suggested Retail Price	$1 499,99	$499,99	$149,99	$49,99	$1110	$750	$590	$1,535.00/ year	$380.00/ year	/year including annual subscrip
PRODUCT POSITIONING										
2D/3D Drafting with Solid and Surface Modeling	✓				✓	✓		✓		✓
2D/3D with 3D Surface Modeling	✓	✓	✓		✓	✓		✓		✓
2D Drafting with AutoCAD® like User Interface Option	✓	✓			✓	✓		✓	✓	✓
2D Drafting	✓	✓	✓	✓	✓	✓		✓	✓	✓
USABILITY & INTERFACE										
32 bit and 64 bit versions	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Command Line	✓	✓			✓	✓	✓	✓	✓	
PUBLISH command					✓	✓	✓	✓	✓	
FLATSHOT command					✓	✓		✓		
XEDGES command					✓	✓	✓	✓		
ADDSELECTED command					✓	✓	✓	✓	✓	
SELECTSIMILAR command					✓	✓	✓	✓	✓	
RESETBLOCK command					✓	✓	✓	✓	✓	
Design Director for object property management	✓	✓	✓					✓	✓	
Draw Order by Layer	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Dynamic Input Cursor	✓	✓			✓	✓	✓	✓	✓	✓
Conceptual Selector	✓	✓	✓							✓
Explode Viewports	✓									✓
Explorer Palette	✓	✓	✓		✓	✓		✓	✓	✓
Compass Rose	✓	✓	✓					✓	✓	✓
Image Manager	✓	✓	✓					✓	✓	✓
Intelligent Cursor	✓	✓			✓	✓		✓	✓	✓
Intelligent File Send (E pack)	✓				✓	✓	✓	✓	✓	
Layer preview	✓	✓	✓		✓	✓	✓			✓
Layer Filters	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Layer Management (Layer States Manager)	✓	✓	✓		✓	✓	✓	✓	✓	✓
Deletion of $Construction and $Constraints layers	✓	✓	✓	✓						
Measurement Tool	✓	✓	✓	✓	✓	✓	✓	✓	*Distance Tool*	✓
Object SNAP Prioritization	✓	✓	✓	✓				✓		✓
SNAP between two points	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Protractor Tool	✓	✓	✓							
Flexible UI	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Walkthrough navigation	✓	✓	✓		✓	✓	✓	✓		✓
Timestamp	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Transparent and Bit mapped Fills	✓	✓	✓	✓	✓	✓		✓	✓	✓
Contact Manager / File Sharing	✓	✓	✓	✓	✓	✓	✓			✓
View 3D Models	✓	✓	✓		✓	✓		✓	✓	✓
Autosave	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
File Buffer	✓	✓		✓						✓
Untitled Documents	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
2D DRAFTING AND EDITING										
2D Geometric and Dimension Constraints	✓	✓			✓	✓	✓	✓	*View/Edit only*	✓
Multilines and multiline styles	✓	✓	✓	✓	✓	✓	✓	✓	*View/Edit only*	
2D Drawing, Editing and Modifying	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Advanced Drawing Tools (Gear; Surface Tolerance)	✓									
Arrow Line	✓	✓	✓		✓	✓	✓	✓	✓	✓
Auto Tools (for Scaling, Sizing, Positioning, Rotating, and Movement)	✓	✓	✓	✓				✓	✓	✓
Spline Curves / Bezier curves	✓	✓	✓	✓				✓	✓	
Centerline and Center Mark	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
CTB Print Style Support	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Drawing Compare	✓			✓				✓		
Drafting and Detailing Palette create associative sections and cut planes	✓				✓			✓		
Gradient Fills	✓	✓	✓	✓	✓	✓		✓	✓	✓
Hatch Pattern Creator	✓	✓	✓					✓	✓	
Index Color Support	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Line Style Editor	✓	✓			✓	✓		✓	✓	✓
Formulas in table cells	✓	✓			✓	✓	✓	✓	✓	✓
PDF Underlay Tool	✓	✓	✓		✓	✓	✓	✓	✓	
Purge Tool	✓	✓			✓			✓	✓	✓
Relative Angle Field	✓	✓	✓	✓						
Smart and Quick Dimension Tools	✓	✓	✓	✓				✓	✓	
Xclip Support	✓	✓	✓		✓	✓		✓	✓	
ISO Circle/Grid	✓	✓	✓					✓	✓	✓
2D Object option for 3D Polyline, 3D Curve	✓	✓	✓					✓	✓	
Markup Support	✓	✓						✓	✓	✓
3D DRAWING, MODELING, AND EDITING										
AutoCAD 2018 Teigha support	✓	✓	✓	✓	✓	✓	✓	✓	✓	
ACIS Solid Modeling	✓				✓	✓		✓	*Partial*	✓
Assembly Tools	✓	✓	✓	✓	✓	✓				
3D Booleans Add, Subtract, Intersection , Slice	✓	✓	✓		✓	✓		✓		*Except Slice*
Pattern Tools	✓				✓	✓	✓			✓
3D Helix	✓	✓	✓		✓	✓		✓		✓
3D Patterns from Compund Profiles	✓				✓	✓		✓		
3D Polylines	✓	✓	✓		✓	✓		✓		✓
3D Slice by Facet	✓				✓	✓		✓		
3D Spline	✓	✓	✓		✓	✓		✓		✓
3D Surface Primitives Box, Rotated Box, Cone, Cylinder, Polygonal Prism, Sphere, Hemisphere, Torus, W	✓	✓	✓		✓	✓		✓		✓
Thread tool	✓				✓	✓		✓		
Bend by Sketch, Patch	✓				✓	✓		✓		✓
Stretch Entity	✓				✓	✓		✓		✓
Extract Entity	✓				✓	✓		✓		
Extrude (simple)	✓	✓	✓		✓	✓		✓		✓
Imprint Edge	✓				✓	✓		✓		
Law Tools Curve from Law; Surface with Laws; Offset with Law; Warp Entity by Law	✓									✓
Lofting to a Point	✓				✓	✓				✓
Mirror Copy Tool for 3D Objects	✓	✓	✓		✓	✓		✓		✓
NURBS Support	✓							✓		*In GDL*
Part Tree/History Tree	✓									
Quick Pull Tool	✓							*Press/Pull Command*		✓
Rail Sweep	✓	✓	✓							
Revolve	✓	✓	✓		✓	✓		✓		✓
Sheet Metal Gusset, Solid Gusset (Stiffening Rib)	✓									
Slot Tools	✓	✓	✓		✓			✓		
Smooth Surface Meshes (SMESH)	✓				✓			✓		✓
Tweak Face	✓									
Twist Entity	✓				✓			✓		✓
Extrude Face Tools	✓				✓			✓		✓
Twisted Extrude	✓									
Unbend / Unfold Tools	✓				✓			✓		
Unwrapping of Surfaces								✓		
Dynamic UCS	✓	✓	✓		✓	✓	✓			✓
Sheet Thicken	✓				✓	✓		✓		
Extents Size property	✓	✓	✓	✓	✓			✓		
QuickPull for Surfaces	✓	✓	✓		✓	✓				
Trim by Entity tool	✓	✓	✓	✓	✓	✓	✓	✓	✓	
3D Point measure	✓	✓	✓					✓		
Isolate the objects tool	✓	✓	✓		✓	✓		✓		✓
Flatten Selection to Workplane	✓	✓	✓					✓		
ARCHITECTURAL										
Walls (Self Healing; Straight, Curved; Block Insert)	✓	✓	✓	✓	✓	✓				✓
Rooms	✓	✓	✓		✓					✓
Doors	✓	✓	✓		✓					✓
Markers	✓	✓	✓		✓	✓				✓
Roofs	✓	✓	✓		✓	✓				✓
Slabs	✓	✓			✓					✓
Quick Switch Wall Justification	✓	✓	✓							✓
Stairs	✓				✓					✓
Windows	✓	✓	✓		✓					✓
Architectural Sections and Elevations	✓	✓			✓					*Elevation Only*
Entity Marks with Property Set Definitions	✓	✓			✓	✓				✓
House Builder Wizard	✓	✓	✓		✓					
Roof Slab Openings	✓	✓			✓	✓				✓
Roof Slab Trim and Miter tools	✓	✓			✓	✓				
Extrude Face Tools	✓				✓			✓		✓

Schedule Tool and Wizard	✓	✓	✓		✓					✓
Self Aligning Blocks	✓	✓	✓	✓	✓	✓				
Dynamic preview for Slab style	✓				✓					
Improved BIM via IFC Support	✓	*Limited*	*Limited*		✓					✓
Stair by Linework	✓									✓
Terrain Data (XYZ) File Import and Export Support	✓	✓						✓		✓
Style Manager	✓	*Limited*	*Limited*		✓	✓		✓		✓
PHOTOREALISTING RENDERING AND VISUALIZATION										
3D Photorealistic Rendering	✓				✓	✓		✓		✓
Customizable Luminances and Material Libraries	✓	✓	✓		✓	✓		✓	✓	✓
Advance Rendering	✓				✓	✓		✓		✓
New post processing effects	✓							✓		
Visual Styles	✓	✓	✓		✓	✓	*Partial*	✓		✓
Environments Library	✓	✓	✓					✓		✓
Luminance of Objects, Anti aliasing	✓	✓	✓		✓	✓		✓		✓
Shadow Casting	✓	✓	✓		✓	✓				✓
Hidden Line Rendering	✓	✓	✓		✓	✓		✓		✓
Ray Tracing	✓	✓	✓		✓			✓		✓
Sun Position	✓				✓			✓		✓
Render Manager	✓	✓	✓		✓			✓		✓
UV Mapping now includes SMESH Objects	✓									✓
Dynamic Cutaway Plane	✓				✓			✓		✓
Sketch Rendering (non photo realistic)	✓							✓		✓
Geo located Sun	✓				✓			✓		✓
DATABASE AND PROGRAMMATIC SUPPORT; CONTENT										
Block attribute definition manager	✓	✓	✓		✓	✓	✓	✓	✓	
Block attribute redefinition	✓	✓	✓		✓	✓	✓	✓	✓	
Blocks, Block Editor and Xref Support	✓	✓	✓	*Xref excluded*	✓	✓	✓	✓	✓	
Internal Database and Custom Data; External Database Connectivity	✓	*Only Internal*			✓			*Only External*		✓
Database Report	✓	✓			✓			✓		✓
Paramtric Parts Editor	✓				✓	✓	✓	✓	✓	✓
Programmable SDK	✓				✓			✓		
Symbols, Part Library	✓	✓	✓	✓	✓	✓	✓			✓
.NET	✓	✓	✓		✓	✓		✓		
Table Styles with Property Set Definitions	✓	✓			✓	✓	✓	✓	✓	
INTEROPERABILITY										
Adobe 3D PDF (.U3D and .PRC) Export	✓	*.U3D only*			✓	✓	✓	✓	✓	✓
CTB / STB table files	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
AutoCAD (DXF, DWG, and DWF) File Compatibility	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
DAE import/export	✓	✓	*Export Only*		✓	✓	✓			✓
Export to SVG	✓	✓	✓		✓	✓	✓			
2D Vector PDF Import Filter	✓	✓	✓	✓				✓		✓
Import / Open File Formats	✓	✓	21	15	✓	11	8	19	12	31
Export, Save As, and Publish File Formats	✓	✓	23	16	✓	8	✓	11	9	49
Enhanced SketchUp File (SKP) Import geometry, views, materials, components	✓	✓	✓		✓					✓
File Conversion Tool with Batch File Conversion	✓									✓
Open and Save 3DM (Rhino), OBJ, SHX (save only) , STP files	✓	✓			✓			*All except .OBJ*		*Only OBJ, Rhino*
TAP File Import Import TurboApp files from mobile devices	✓	✓								
Google Earth (KML and KMZ) File Support	✓	✓	✓		✓			✓		✓
Markup Support	✓	✓						✓	✓	✓
Point Cloud Support (PCD, PCG, XYZ, ASC)	✓	✓			✓	✓		✓		✓
OTHER										
Relative Angle fields for Wall and Polyline Arcs	✓	✓	✓	✓	✓			✓		✓
Combined Build Mechanism with stepped feature set	*Yes*				*Yes*			*Yes*		*Yes*
"Space Dust" auditing	✓	✓	✓	✓						
Network License Support	✓	✓	✓		✓	✓	✓	✓		✓
Single License	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Lock Files					✓	✓	✓	✓	✓	
Training Program	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Volume / Corporate / Academic License	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Extended Quad Cursor					✓	✓	✓			
Password protection					✓	✓	✓	✓	✓	✓
Sheet set manager					✓	✓	✓	✓	✓	
3D Printer Support via STL File Import and Export	✓	✓	✓		✓	✓	✓	✓		✓
3D connexion mouse	✓	✓	✓		✓	✓	✓	✓	✓	✓
Printer calibration	✓	✓	✓		✓	✓	✓	✓	✓	✓
LookFrom widge					✓	✓	✓	✓	✓	
Searchable Settings Manager					✓	✓	✓	✓	✓	✓
Extended Drawing Explorer	✓	✓	✓		✓	✓	✓	✓	✓	
SnapTrack™ & Polar tracking					✓	✓	✓	✓	✓	✓
Quick Select tool	✓	✓	✓		✓	✓	✓	✓	✓	✓
Geometric 3D constraints					✓	✓				✓
Geometry Healing	✓				✓	✓				✓
Mechanical browser	✓	✓	✓		✓	*Partial*				✓
Bill of materials					✓					✓
Multi platform licenses	✓	✓	✓	✓	✓	✓	✓			✓
Layout printing	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Shade plot for paperspace and modelspace viewports					✓	✓	✓	✓	✓	
PC3 printer configuration files					✓	✓	✓	✓	✓	
Real time boundary detection					✓	✓	✓			
Multithreading	✓	✓			✓	✓	✓	✓	✓	✓
Preview filter					✓	✓	✓	✓	✓	
Dynamic Arrays					✓	✓	✓	✓	✓	
Data extraction wizard					✓	✓	✓	✓	✓	✓