

Compare Products

Learn about the differences between DriveWorksXpress, DriveWorks Solo, and DriveWorks Pro

Supported Operating Systems and Browsers	DriveWorksXpress	DriveWorks Solo	DriveWorks Pro
Windows 8.1, Windows 10, Windows 11 (DriveWorks Desktop Applications)	✓	✓	✓
\All of the above plus Windows Server (2016, 2019) (DriveWorks Live Web application)			✓
Google Chrome 8+, Mozilla Firefox 4+, Microsoft Edge, Safari 5.1+ (Configuring products in a Browser through DriveWorks Live)			✓
Cloud Hosting: Microsoft Azure, AWS			✓
CAD - Controlling SOLIDWORKS 3D Models and 2D Drawings	DriveWorksXpress	DriveWorks Solo	DriveWorks Pro
Drive Dimensions, Features and Custom Properties	✓	✓	✓
Drive Color, Material and Textures		✓	✓
Drive Advanced Feature Properties (Hole Wizards, Sheet Metal, Weldments)		✓	✓
Drive Instances		✓	✓
Replace Components (with existing files or dynamically driven files)		✓	✓
Create additional model file formats (STEP, STL, PDF, DXF, JPEG, etc.)		✓	✓
Full control over new model file names and locations		✓	✓
Control multiple model sets from a single project		✓	✓
Run SOLIDWORKS Model Macros			✓
Generative design - create new features on the fly (configurations, insert components, mates, etc.)			✓
Create a drawing for each part and assembly	✓	✓	✓
Create multiple drawings for each part and assembly		✓	✓
Full control over new drawing file names and locations		✓	✓
Create additional drawing file formats (PDF, DXF, DWG,		✓	✓

JPEG, etc.)			
Control Drawing Sheets (Re-scale, Rename, Delete)		✓	✓
Control Drawing Views (Re-scale, Re-position, Delete)		✓	✓
Control Annotations (Dimension Text, Notes, Symbols, etc.)		✓	✓
Control Dimension positions		✓	✓
Control Custom Properties, Break Lines and Layers		✓	✓
Run SOLIDWORKS Drawing Macros			✓
Run additional tasks on the fly (Auto Balloon, Arrange Dimensions, Rescale and Position Views, etc.)			✓
Document Creation	DriveWorksXpress	DriveWorks Solo	DriveWorks Pro
Create documents (such as Sales Quotes, Purchase Orders, Bills of Materials, etc.)		✓	✓
Built in document templates		✓	✓
Fully customizable document creation (from Word, Excel, XML, etc.)			✓
Send HTML emails with attachments			✓
Create Additional File Formats (PDF, HTML, TXT, XML, etc.)			✓
User Interface Design	DriveWorksXpress	DriveWorks Solo	DriveWorks Pro
Automatic Form designer	✓		
Expert Form Designer (Resolution and Control Guides, Control Grouping, Control Property Grid, etc.)		✓	✓
Multiple form creation with dynamic navigation		✓	✓
Basic Form Controls (Text Box, Numeric Text Box, Drop Down, Spin Button, Check Box)	✓	✓	✓
Enhanced Form Controls (Hyperlink, Label, List Box, Option Group, Picture Box, Slider)		✓	✓
Advanced Form Controls (3D Preview, Child Specification List, Data Table, Date Picker, Frame Control, Macro Button, Upload Control, etc.)			✓
Dynamic options for list controls		✓	✓
Dynamic control of Enable and Visible properties of form controls		✓	✓

Dynamic control over fonts and colors		✓	✓
Static validation and validation messages	✓	✓	✓
Dynamic validation and validation messages		✓	✓
Copy and paste form controls		✓	✓
Re-skin controls		✓	✓
Support for responsive forms (allows re-positioning of controls when used on screens of different sizes)		✓	✓
Project hierarchy (run a specification inside a specification to any level (For example a contract with multiple configurable line items)			✓
Working with Data and Rules	DriveWorksXpress	DriveWorks Solo	DriveWorks Pro
Use tabular data to calculate rules		✓	✓
Copy and paste Excel data		✓	✓
Create internal data tables		✓	✓
Use dynamic data from ODBC Data sources in rules (SAP, Oracle, MySQL, SQLServer, etc.)			✓
Export data to ODBC data sources (for example SAP, Oracle, MySQL, SQLServer)			✓
Pull and Push data dynamically to and from SQL Server Databases using SQL or Windows authentication			✓
Create Group Level Tabular data for use across an entire implementation			✓
Create Calculation tables where each cell can be calculated from other cells			✓
Create Rollup data tables - where information such a price or BOM Quantities is rolled up through the project hierarchy			✓
Web Service integration - communicate with any web service OR use DriveWorks as a web service			✓
Over 250 engineering, mathematic and scientific functions		✓	✓
Over 50 vector (3D), database and PDM functions			✓
Rules builder with function wizard and rule insight (rule breakdown and drill down, function assistance, syntax highlighting and function helper text)		✓	✓

Reusable rules (Variables)		✓	✓
Pervasive search/filtering capabilities		✓	✓
Maintainability, Reporting and Diagnostics	DriveWorksXpress	DriveWorks Solo	DriveWorks Pro
Rules commentary		✓	✓
Rules revisioning		✓	✓
Reporting on model generation success or failure	✓	✓	✓
Reporting on specification process success or failure			✓
Real time testing during form design		✓	✓
Rules analysis and breakdown		✓	✓
What-if scenarios (Specification Test Mode)			✓
Interactive step through of model generation			✓
Rule Profiling (rule specific error debugging, performance solving and insight features)			✓
Scalability	DriveWorksXpress	DriveWorks Solo	DriveWorks Pro
Import DriveWorksXpress Projects		✓	✓
Import DriveWorks Solo Projects			✓
Underlying database - Microsoft SQL Server			✓
Security - Users and Teams			✓
Security - Active Directory compatibility			✓
Granular permissions			✓
Zero-Conversion web access			✓
Unattended model generation			✓
Standalone user seats			✓
Fully customisable work flow - (who, what and when)			✓
Built in Apps providing ready to run functionality: <ul style="list-style-type: none"> Dashboard - Link to Projects, access KPI's CPQ - Full Configure, Price, Quote solution 			✓
Automatic processing of external data			✓
Fully documented API with Software Development Kit			✓
Plugins			✓
Integration	DriveWorksXpress	DriveWorks Solo	DriveWorks Pro
SOLIDWORKS PDM Professional (Automatic check-in of models, drawings and documents)			✓

Salesforce			✓
3rd party system Integration through file import and export			✓
3rd party system Integration through SQL\ ODBC connections			✓
3rd party system Integration through web services			✓
3rd party system Integration through fully documented Application programming Interface			✓
Online Configurator and DriveWorks 3D	DriveWorksXpress	DriveWorks Solo	DriveWorks Pro
Direct web access through the application			✓
Run as a service through Internet Information Services (IIS)			✓
Application Mode - replicate desktop running directly on the web			✓
Web Theme with basic re-skinning			✓
Choice of fully responsive skins			✓
Integration Theme with Web API enabling full integration with existing websites			✓
Session Management - control license usage over the Internet			✓
Image gallery - display image files as they are created			✓
Configurable 3D in a browser			✓
Virtual Reality support			✓
Real-time 3D text support			✓
Virtual Reality support			✓
Real-time 3D text support			✓
Server-side rendering of web optimised DriveWorks 3D files			✓
Image fall back mode when no WebGL on client machine			✓
Model click interaction			✓
Transparent image support			✓