

IGES/VDA Import

View and Measure Industry-Standard 3D Data

SOLID
View

SolidView/Lite
SolidView

SolidView/Pro

SolidView/Pro RP

The SolidView® IGES/VDA import option will enable SolidView/Pro and SolidView/Pro RP to read IGES and VDA data. Once the 3D data has been read into SolidView, it can then be measured, moved, scaled and analyzed. If no trimmed surfaces are found, SolidView will read any 3D Curve entities and display them as wireframe data. The following IGES entities are supported:

Entity #	Name	Type	Notes
100	Circular Arc	Curve	
102	Composite Curve	Curve	
104	Conic Arc	Curve	
106	Copius Data	Curve	
108	Bounded Plane	Surface	Unbounded planes not supported
110	Line	Curve	
112	Parametric Spline	Curve	Supported (126 is preferred)
114	Parametric Surface	Surface	Supported (128 is preferred)
118	Ruled Surface	Surface	
120	Surface of Rev.	Surface	
122	Tabulated Cylinder	Surface	
124	Transform Matrix	Matrix	
126	Rat. B-Spline Curve	Curve	Preferred Trim Curve Entity Type
128	Rat. B-Spline Surface	Surface	Preferred Surface Entity Type
140	Offset Surface	Surface	
141	Boundary Entity	Curve	Supported in SolidView IGES 2.1 and later
142	Curve on Parm. Surface	Curve	
143	Bounded Surface	Surface	Supported in SolidView IGES 2.1 and later
144	Trimmed Parm. Surface	Surface	
186	Manifold Solid B-Rep	Object	Supported in SolidView IGES 3.2 and later
190	Plane Surface	Surface	Supported in SolidView IGES 3.2 and later
192	Circular Cylinder	Surface	Supported in SolidView IGES 3.2 and later
194	Circular Conic	Surface	Supported in SolidView IGES 3.2 and later
196	Spherical Surface	Surface	Supported in SolidView IGES 3.2 and later
198	Toroidal	Surface	Supported in SolidView IGES 3.2 and later
308	Subfigure Definition	SubFig	Supported in SolidView IGES 3.2 and later
406	Tabular Data	Data	Not currently supported
408	Subfigure Instance	SubFig	Supported in SolidView IGES 3.2 and later
416	External Reference	SubFig	Not currently supported, combine into single file

Note: Optimum IGES translation results with trimmed NURB surfaces/curves IGES entities 128 and 126. Converted IGES files can be saved as SFX, STL, VRML, and 3D DXF for viewing in SolidView/Lite or SolidView. STL files generated from IGES or VDA data may not be suitable for rapid prototyping applications without the use of the SolidView/Pro RP repair function. Users can obtain the latest IGES/VDA import DLL (libgeom.dll) from www.solidconcepts.com.

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