

FILE FORMAT SUMMARY TABLE : HOOPS v16.0

FORMAT	REQUIRED COMPONENTS	READ/WRITE	NOTES
3D CAD (Geometry, Brep, Product Structure & Visualisation)			
CATIA V5	3D InterOp *	Read/Write	Native Dassault Libraries, Option For Vis. Only (CGR)
CATIA V4	3D InterOp	Read/Write	
Pro/E	3D InterOp *	Read	
Pro/E native	Granite	Read/Write	Requires Granite kernel from PTC
UG NX	3D InterOp*	Read	Also Requires a license of Parasolid Communicator
SolidWorks	3D InterOp	Read	Also Requires a license of Parasolid Communicator
Inventor	3D InterOp	Read	
XT	3D InterOp	Read/Write	Also Requires a license of Parasolid Communicator
XT	Parasolid Communicator	Read/Write	
SAT	3D InterOp	Read/Write	
SAT	ACIS	Read/Write	ACIS available from Spatial
STEP	3D InterOp	Read/Write	
IGES	3D InterOp	Read/Write	
VDA-FS	3D InterOp	Read/Write	

* For CATIA V5, Pro/E and UG NX there is an optional module which will provide Product Manufacturing Information

Product Structure & Visualisation

DWG	RealDWG & HOOPS/3dAF	Read	Write available, but not pre-integrated with HOOPS
DXF	RealDWG & HOOPS/3dAF	Read	Write available, but not pre-integrated with HOOPS
DGN	DGNDirect & HOOPS/3dAF	Read	Requires Open Design Alliance Membership
DGN	Microstation HSF Plug-in	Read	Done Via HSF Export from Microstation
JT	JT SDK* & HOOPS/3dAF	Read	Requires JT Open Membership www.jtopen.com
HSF	HOOPS/3dAF	Read/Write	Also available via standalone HOOPS Stream Toolkit
HMF	HOOPS/3dAF	Read/Write	HOOPS Meta File (ASCII Based File)
HTML	HOOPS/3dAF	Write	Also embeds HOOPS Stream Control
3D Studio Max	3D Studio MAX HSF Plug-in	Read Only	Done Via HSF Export from 3D Studio MAX
DWF (2D & 3D)	HOOPS/3dAF	Write (Read upon request)	Requires DWF Toolkit. Free from www.autodesk.com
PDF (2D & 3D)	HOOPS/3dAF	Write	3D Support Requires the Free U3D Toolkit
U3D	HOOPS/3dAF	Read/Write	Requires the Free U3D Toolkit
OBJ	HOOPS/3dAF	Read/Write	
STL	HOOPS/3dAF	Read/Write	
VRML	HOOPS/3dAF	Read Only	
PLY	HOOPS/3dAF	Read Only	
Open Inventor (.IV)	HOOPS/3dAF	Read Only	
Native PDF	Adobe PDF SDK	Read/Write	Uses Native Libraries From Adobe

Hardcopy/Image

Postscript	HOOPS/3dAF	Write	
CGM/CGM3	HOOPS/3dAF	Write	
HPGL/ HPGL2	HOOPS/3dAF	Write	
EMF/WMF	HOOPS/3dAF	Write	
JPEG	HOOPS/3dAF	Read/Write	
BMP	HOOPS/3dAF	Read/Write	
PNG	HOOPS/3dAF	Read/Write	
GIF	HOOPS/3dAF	Read/Write	
EMF	HOOPS/3dAF	Read/Write	
TIFF	HOOPS/3dAF	Read/Write	
Many other image formats	HOOPS/3dAF	Read/Write	

Freely Available with your HOOPS License
Available through TS3D, using 3rd party components
3rd Party SDK required from a 3rd party source