

### SpaceClaim 2014 SP0 Supported Import & Export Operations

Operation	File type (EXTENSION)	Supported versions	Supported actions	Engineers	DX I	DX II	Catia VS	JT Open	PDF
Import	ACIS (SAT, SAB)	Up to v24	Open and insert parts and assemblies	✓					
	Acrobat (PDF)	Geometry(PRC B-Rep)	Open and insert parts and assemblies <sup>2,15</sup>						✓
	AMF	Facets	Open and insert parts and assemblies	✓					
	AutoCAD (DWG, DXF)	R12 to 14, 2000, 2004, 2007, 2010, 2013	Open and insert modelspace entities <sup>16</sup> and layout space entities (including Solids) <sup>16</sup>	✓					
	CATIA (MODEL, EXP CATPart, CATProduct, CGR)	V4 4.1.9 to 4.2.4 V5 R2 to R23, V6R2013 <sup>12</sup>	Open and insert parts and assemblies <sup>7,7,8,9,10</sup>		✓				
	ECAD (IDF, IDB, EMN)	IDF 3.0 and IDF 4.0	Open IDF and PADS files	✓					
	IGES (IGS, IGES)	Up to v5.3	Open and insert parts and assemblies <sup>15</sup>	✓					
	Inventor (IPT, IAM)	Version 6 to Version 10 Versions 11 to 2013	Open and insert parts Open and insert parts and assemblies		✓				
	JT Open (JT)	V6.4, 7.0, 8.0, 8.1, 8.2, 9.0 to 9.5	Open and insert parts and assemblies <sup>7,7,8,9,10</sup>					✓	
	NX (PRT)	NX1 to NX8.5 & UG v11 to 18	Open and insert parts and assemblies						
	Parasolid (X, T, X_B, XMT_TXT, XMT_BIN)	V10.0 to V26	Open and insert parts and assemblies						
	Pro/E (PRT, ASM, XPR, XAS)	Pro/E 16 to Wildfire 5 (Creo 1.0) & CREO 2.0	Open and insert parts and assemblies <sup>8</sup>		✓				
	Rhino (3DM)	V4.0, V5.0	Open and insert parts and assemblies	✓					
	RS Components	V2012.1 SP2	Open and insert parts and assemblies	✓					
	SketchUp	Up to SketchUp 8	Open and insert parts and assemblies	✓					
	SolidEdge (par, psm, asm)	V18 – ST5	Open and insert parts and assemblies					✓	
	Solidworks (SLDPRT, SLDASM)	SW 98 to SW 2013	Open and insert parts and assemblies					✓	
	STEP (STP, STEP)	AP203, AP214 (geometry)	Open and insert parts and assemblies	✓					
	STL	Facets or solids	Open and insert parts and assemblies	✓					
	VDA-FS (VDA)	1.0 & 2.0	Open and insert parts		✓				
	Wavefront (OBJ)	Facets	Open and insert parts and assemblies	✓					
	Image (BMP, JPG, PCX, PNG, TIF, GIF)		Insert images	✓					
	Video (wmv, avi, flv, mkv, mov, mp4, mpg, mpeg, or, vob)		Insert video <sup>11</sup>	✓					
	Export	ACIS (SAT, SAB)	V6, 7, 15-24 (V22 default)	Export parts and assemblies <sup>9</sup>	✓				
Acrobat (PDF 3D)		Facets and Geometry(PRC B-Rep)	Export parts and assemblies <sup>2</sup>						✓
Acrobat (PDF 2D)			Print to or save drawings	✓					✓
AutoCAD (DWG, DXF)		R12 to 14, 2000, 2004, 2007, 2010, 2013	Export as 2D snapshot and AutoCAD Solids <sup>18</sup>	✓					
CATIA V5 (CATPart, CATProduct)		R6 to R22 (R17 default)	Export parts and assemblies				✓		
EXCEL (XLS, XLSX) <sup>13</sup>		MS Office 2003, 2007, 2013							
IGES (IGS, IGES)		v5.3, JAMA-IS, Types: 186,144,143	Export parts and assemblies	✓					
JT Open (JT)		V6.4, 7.0, 8.0, 8.1, 8.2, 9.0 to 9.5	Export parts and assemblies <sup>7,7,8,9,10</sup>					✓	
KeyShot (BIP)			Export parts and assemblies	✓					
Parasolid (X, T, X_B)		V12 to V26 (V22 default)	Export parts and assemblies				✓		
POV-Ray		3.6	Export parts and assemblies <sup>17</sup>	✓					
PowerPoint (PPT)		MS Office 2003, 2007, 2013	Export 3D markup slides <sup>13</sup>	✓					
Rhino (3DM)		V4.0, V5.0	Export parts and assemblies	✓					
rsdoc			Export parts and assemblies	✓					
SketchUp		SketchUp V3.0 to V8.0	Export parts and assemblies	✓					
STEP (STP, STEP)		AP203, AP214 (geometry)	Export parts and assemblies	✓					
STL			Export parts and assemblies <sup>14</sup>	✓					
VDA-FS (VDA)		2.0	Export parts		✓				
VRML (WRL)			Export parts and assemblies	✓					
Wavefront (OBJ)			Export parts and assemblies	✓					
XAML		Export part and assembly solids only	✓						
XPS		Export 3D markup slides	✓						
Image (GIF, JPG, PNG, BMP, TIF)		Export as 2D snapshot	✓						

Notes: <sup>1</sup> SpaceClaim Home Edition is issued free of charge with SpaceClaim Engineer and is watermarked with 'Restricted License: Home Use Only'

<sup>2</sup> No Adobe Acrobat required for BREP import and export, 32bit and 64bit platforms supported, Adobe Acrobat X Pro is not supported

<sup>3</sup> ACIS bodies can be imported using the RealDWG option, Layout space entities can be imported using the Teigha option, Sketch curves and text can be imported into Designs, 2D entities can be inserted to Drawing Formats, Polyface meshes can be imported

<sup>4</sup> Including Product Manufacturing Information (PMI) placed on the Imported Annotation Planes

<sup>5</sup> Assemblies are flattened

<sup>6</sup> Wildfire 5 (Creo 1.0, 2.0) PMI is not supported

<sup>7</sup> Import and Export of free points supported

<sup>8</sup> Semantic and Polyline PMI is supported

<sup>9</sup> Part-level PMI

<sup>10</sup> JT Open V6.4 and V7.0 imported and exported as faceted data

<sup>11</sup> Appropriate video codec required for all but WMV and AVI

<sup>12</sup> CATIA V6 precise part and product data must be exported as VSCATPart and CATProduct to be read into SpaceClaim

<sup>13</sup> If MS Office is installed

<sup>14</sup> STL export can be performed directly from lightweight (visualization only) SpaceClaim document

<sup>15</sup> 3D PDF via a PRC neutral file along with Semantic PMI (if PMI data is present)

<sup>16</sup> Import of IGES curves and curve colors is supported

<sup>17</sup> Export of mesh objects is supported

<sup>18</sup> Solids in ACIS v7 format