

| INTERFACES                      |  | READ                        |              |      |          |          |     |         | WRITE                                      |                         |              |      |          |          |     |
|---------------------------------|--|-----------------------------|--------------|------|----------|----------|-----|---------|--|-------------------------|--------------|------|----------|----------|-----|
| System Format                   | Extension                                  | Version                     | Tessellation | Brep | Assembly | Features | PMI | Drawing | Extension                                  | Version                 | Tessellation | Brep | Assembly | Features | PMI |
| 3D_EVOLUTION                    | ct<br>ctp<br>cta                           | All                         | ●            | ●    | ●        | ●        | ●   |         | ct<br>ctp<br>cta                           | All                     | ●            | ●    | ●        | ●        | ●   |
| 3MF                             | 3mf  |                             | ●            |      | ●        |          |     |         | 3mf  |                         | ●            |      | ●        |          |     |
| ACROBAT                         | pdf  |                             |              |      |          |          |     |         | pdf  | 2.0.4                   | ●            |      | ●        |          | ●   |
| ACIS                            | sat<br>sab                                 | All - R27                   |              | ●    | ●        |          |     |         | sat<br>sab                                 | Only SAT<br>All - R21   |              | ●    | ●        |          |     |
| AMF                             | amf  |                             | ●            |      | ●        |          |     |         | amf  |                         | ●            |      | ●        |          |     |
| AUTODESK                        | dwg  | All                         | ●            | ●    | ●        |          |     |         | dwg  |                         | ●            | ●    | ●        |          |     |
| CADDS                           | pd<br>ps                                   | 4 + 5                       |              | ●    | ●        |          |     |         | pd<br>ps                                   | 4 + 5                   |              | ●    |          |          |     |
| CATIA V4                        | model<br>dlv<br>exp<br>session             | All 4.xx                    | ●            | ●    | ●        | ●        |     | ●       | model<br>dlv<br>exp<br>session             | All 4.x                 | ●            | ●    |          |          |     |
| CATIA V5                        | CATPart<br>CATProduct<br>CATDrawing<br>cgr | R10 - R2022                 | ●            | ●    | ●        | ●        | ●   | ●       | CATPart<br>CATProduct<br>CATDrawing<br>cgr | R18                     | ●            | ●    | ●        | ●        |     |
| CATIA V6                        | 3Dxml                                      | R210 - R213<br>2011x - 2013 | ●            | ●    | ●        | ●        | ●   | ●       | 3Dxml                                      |                         |              |      |          |          |     |
| CATIA V6<br>3D EXPERIENCE       | 3Dxml                                      | All - R417<br>2014x - 2022x | ●            | ●    | ●        | ●        | ●   | ●       | 3Dxml                                      |                         |              |      |          |          |     |
| COLLADA                         | dae  | 1.5.0                       | ●            |      |          |          |     |         | dae  | 1.5.0                   | ●            |      |          |          |     |
| CREO<br>PRO ENGINEER            | prt<br>xpr<br>asm<br>xas                   | 13 - Creo 9                 | ●            | ●    | ●        | ●        | ●   |         | prt<br>xpr<br>asm<br>xas                   |                         |              | ●    | ●        | ●        |     |
| CREO<br>PRO ENGINEER<br>Neutral | neu  | 13 - Creo 9                 | ●            | ●    | ●        |          |     |         | neu  | 13 - WF5                | ●            | ●    | ●        |          |     |
| EUKLID                          | edx  |                             |              | ●    |          |          |     |         | edx  |                         |              | ●    |          |          |     |
| FBX                             | fbx  |                             | ●            | ●    | ●        |          |     |         | fbx  |                         | ●            | ●    | ●        |          |     |
| GLTF                            | gltf<br>glb                                | 2                           | ●            |      | ●        |          |     |         | gltf<br>glb                                | 2                       | ●            |      | ●        |          |     |
| HOLOS                           | mod  |                             |              |      |          |          |     |         | mod  |                         |              | ●    |          |          |     |
| I-DEAS                          | arc<br>unv<br>asc                          | All - NX6                   |              | ●    | ●        | ●        | ●   | ●       | arc<br>unv<br>asc                          |                         |              |      |          |          |     |
| IFC                             | ifc  | IFC2X3                      | ●            | ●    | ●        |          |     |         | ifc  | IFC2X3                  | ●            |      | ●        |          |     |
| IGES                            | igs<br>iges                                | 5.2 + 5.3                   |              | ●    | ●        |          |     | ●       | igs  | 5.2<br>5.3              |              | ●    | ●        |          |     |
| INVENTOR                        | ipt<br>iam                                 | All - 2023                  |              | ●    | ●        |          |     |         | ipt<br>iam                                 |                         |              | ●    | ●        | ●        |     |
| JT                              | jt   | 6.4 - 10.5                  | ●            | ●    | ●        |          | ●   |         | jt   | 8.1 - 10.5              | ●            | ●    | ●        |          | ●   |
| MEDUSA 3D                       | asc  |                             | ●            |      |          |          |     |         | asc  |                         |              |      |          |          |     |
| MICROSTATION                    | dgn  | All                         |              |      |          |          |     |         | dgn  |                         |              |      |          |          |     |
| NASTRAN                         | nas  |                             | ●            |      |          |          |     |         | nas  |                         | ●            |      |          |          |     |
| NX                              | prt  | 11.1 - NX12.1<br>NX CR 2206 | ●            | ●    | ●        | ●        | ●   | ●       | prt  | NX5                     |              | ●    | ●        | ●        | ●   |
| OBJ                             | obj  |                             | ●            |      |          |          |     |         | obj  |                         | ●            |      |          |          |     |
| OPTIMIZER                       | csb  |                             | ●            | ●    | ●        |          |     |         | csb  |                         | ●            | ●    | ●        |          |     |
| PLMXML                          | xml  |                             |              |      | ●        |          |     |         | xml  |                         |              |      | ●        |          |     |
| RHINO<br>OpenNurbs              | 3dm  | All - 6                     |              | ●    |          |          |     |         | 3dm  | 3                       |              | ●    |          |          |     |
| ROBCAD                          | rf   |                             | ●            | ●    | ●        |          |     |         | rf   |                         | ●            | ●    | ●        |          |     |
| SOLIDEDGE                       | par<br>asm<br>psm                          | All - 2020                  |              | ●    | ●        |          |     |         | par<br>asm<br>psm                          |                         |              |      |          |          |     |
| SOLIDWORKS                      | sldprt<br>sldasm<br>prt<br>asm<br>slddrw   | 1999 - 2023                 |              | ●    | ●        | ●        |     |         | sldprt<br>sldasm                           | 2003, 2014              |              | ●    | ●        | ●        | ●   |
| STEP                            | stp<br>step<br>stpx<br>stpz<br>stepxz      | AP203<br>AP214<br>AP242     | ●            | ●    | ●        |          | ●   |         | stp<br>step                                | AP203<br>AP214<br>AP242 | ●            | ●    | ●        |          | ●   |
| STL                             | stl  |                             | ●            |      |          |          |     |         | stl  |                         | ●            |      |          |          |     |
| VDA                             | vda  | FS 2.0                      |              | ●    |          |          |     |         | vda  |                         |              | ●    |          |          |     |
| VISI                            | wkf  |                             |              | ●    |          |          |     |         |  |                         |              |      |          |          |     |
| VRML                            | vrml<br>wrl                                | 97zip<br>97                 | ●            |      | ●        |          |     |         | vrml<br>wrl                                | 97zip<br>97             | ●            |      | ●        |          |     |
| X3D                             | x3d<br>x3db                                |                             | ●            |      | ●        |          |     |         | x3d<br>x3db                                |                         |              |      |          |          |     |
| XT                              | x_t<br>xmt_txt<br>x_b                      | All - 34                    |              | ●    | ●        |          |     |         | x_t<br>x_b                                 | All - 25                |              | ●    | ●        |          |     |