Leapfrog Works File Types

For Leapfrog Works Version 2026.2

Inputs

- Boreholes
- Planned Boreholes
- Meshes/Surfaces
- Points
- Polylines
- GIS Data
- 2D Grids
- Design Models
- Structural Data
- Geophysical Data
- Maps
- Images
- Historical Sections
- Flow Models (with Hydrogeology Extension)

File Types (Imports)

Drilling Data

- AGS Files (*.ags)
- ASCII Text Files (*.asc)
- CSV Text Files (*.csv)
- Data Files (*.dat)
- Plain Text Files (*.txt)
- TSV Text Files (*.tsv)
- XYZ Files (*.xyz)

Log ASCII Standard Files (*.las) can be imported to existing drilling datasets.

Planned Boreholes

- CSV Text Files (*.csv)

Elevation Grids

- Arc/Info ASCII Grid Files (*.asc, *.txt)
- Arc/Info Binary Grid Files (*.adf)
- Digital Elevation Model Files (*.dem)
- ESRI.hdr Labelled Image Files (*.img, *.bil)
- GeoTIFF Files (*.tiff, *.tif)

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- Geosoft Grid Files (*.grd)
- Grid eXchange Files (*.gxf)
- SRTM Files (*.hgt)
- Surfer ASCII or Binary Grid Files (*.grd)

GIS Vector Data

- Shape Files (*.shp)
- MapInfo Files (*.tab, *.mif)
- ESRI Personal GeoDatabase Files (*.mdb, *.accdb)
- MapInfo Batch File (*.xml)
- ESRI Geodatabase (*.gdb)

Maps/Photos/Cross Sections

- Graphics Interchange Format Files (*.gif)
- JPEG Files (*.jpg, *.jpeg)
- PNG Image Files (*.png)
- Tag Image Files (*.tiff, *.tif)
- Windows Bitmap Files (*.bmp)

Alignments

- LandXML (*.xml)

Designs

- DGN (*.dgn)
- DWG (*.dwg)
- DXF (*.dxf)

Meshes

- Alias Wavefront Object Files (*.obj)
- AutoCAD Drawing Files (2013/LT2013) (*.dwg)
- Bentley Drawing Files (v8) (*.dgn)
- DXF Polyface Files (11/12 [AC1009]) (*.dxf)
- Leapfrog Works Attribute Binary Mesh Formats (*.msh, *.ara)
- Leapfrog Model Files (*.lfm)

Points

- CSV Text Files (*.csv)
- ASCII Text Files (*.asc)
- DXF Files (11/12 [AC1009]) (*.dxf)
- Data Files (*.dat)

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- Leapfrog Works 3D Point Data files (*.pl3, *.ara)
- XYZ Files (*.xyz)

Points can also be imported via ODBC (*.mdb, *.accdb).

Polylines

- AutoCAD Drawing Files (2013/LT2013) (*.dwg)
- Bentley Drawing Files (v8) (*.dgn)
- Drawing Interchange Polylines Files (*.dxf)
- Leapfrog Polylines (*.lfpl)
- Leapfrog Straight Polylines (*.csv)
- Old Leapfrog Polylines (*.csv, *.txt)

Structural Data/Lineations

- ASCII Text Files (*.asc)
- CSV Text Files (*.csv)
- Data Files (*.dat)
- Plain Text Files (*.txt)
- TSV Text Files (*.tsv)
- XYZ Files (*.xyz)

2D Geophysical Points

- ASCII Text Files (*.asc)
- CSV Files (*.csv)
- Data Files (*.dat)
- Plain Text Files (*.txt)
- TSV Text Files (*.tsv)
- XYZ Files (*.xyz)

2D Geophysical Grids

- Arc/Info ASCII Grid (*.asc, *.txt)
- Arco/Info Binary Grid (*.adf)
- Digital Elevation Model (*.dem)
- ESRI .hdr Labelled Image (*.img, *.bil)
- Geosoft Grid (*.grd)
- Grid eXchange File (*.gxf)
- Intergraph ERDAS ER Mapper 2D Grid (*.ers)
- SRTM .hgt (*.hgt)
- Surfer ASCII or Binary Grid (*.grd)
- XYZ Files (*.xyz)

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3D Geophysical Grids

- GOCAD Voxet Files (*.vo)
- Geosoft Voxels (*.geosoft_voxel)
- Magnetotelluric Resistivity (OUT) Files (*.out, *.out.gz, *.mod) (with the Geophysics extension)
- UBC Mesh Files (*.msh)

Flow Models

(with Hydrogeology Extension)

- MODFLOW Grid Specification Files (*.gsf)
- MODFLOW Name Files (*.nam, *.mfi, *.mfn, *modflow.ini)
- FEFLOW Problem Files (*.fem)
- FEFLOW Results Files (*.dac)

Geophysical Data

- DFN Files (*.dfn)
- UBC Grids (*.msh, *.nev)

SEG-Y Data

(with Geophysics Extension)

- 2D and 2D crooked SEG-Y (*.segy, *.sgy) (external navigation files are not supported)
- 3D SEG-Y (*.segy, *.sgy)

Colour Gradients

- ERMapper Lookup Tables (*.lut)
- Geosoft Colour Files (*.tbl)
- Leapfrog Colour Files (*.lfc)
- MapInfo Colour Files (*.clr)

Outputs

- 3D Surfaces and Volumes
- Planned Boreholes
- Borehole Tables
- Building Information Models (BIM)
- Cross Sections
- Images
- Movies
- 3D Scene Files
- Stereonets
- GIS Lines

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- Points
- Polylines
- Flow Models (with Hydrogeology Extension)
- 3D Printed Models
- Publish Project to Central

File Types (Exports)

Drilling Data

- CSV Files (*.csv)
- IFC 2x3 (*.ifc)
- IFC 4.0 (*.ifc)
- IFC 4X3 RC4 (*.ifc)

Meshes (Model Surfaces/Output Volumes/Form Interpolant Surfaces)

- Leapfrog Attribute Binary Mesh Format (*.msh)
- DXF Files (11/12 [AC1009]) (*.dxf)
- DXF Polyface Files (11/12 [AC1009]) (*.dxf)
- Alias Wavefront Object Files (*.obj)
- AutoCAD Drawing Files (2013/LT2013) (*.dwg)
- Bentley Drawing Files (v8) (*.dgn)

Batch Exporting Meshes, Model Surfaces, Model Volumes

- Leapfrog Model Files (*.lfm)
- Leapfrog Attribute Binary Mesh Format (*.msh)
- DXF Files (11/12 [AC1009]) (*.dxf)
- DXF Polyface Files (11/12 [AC1009]) (*.dxf)
- Alias Wavefront Object Files (*.obj)
- AutoCAD Drawing Files (2013/LT2013) (*.dwg)
- Bentley Drawing Files (v8) (*.dgn)
- Industry Foundation Classes 2x3 (*.ifc)
- Industry Foundation Classes 4.0 (*.ifc)
- Industry Foundation Classes 4X3 RC4 (*.ifc)

Cross Section Layouts

- PDF Files (*.pdf)
- Scalable Vector Graphics Files (*.svg)
- PNG Image Files (*.png)
- GeoTIFF Files (*.tiff, *.tif)

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Cross Section Evaluations

- DXF Files (*.dxf)
- DWG Files (*.dwg)
- Bentley Drawing Files (v8) (*.dgn)
- IFC 4X3 RC4 (*.ifc)

Design Models

- Leapfrog Attribute Binary Mesh Format (*.msh)
- DXF Files (11/12 [AC1009]) (*.dxf)
- DXF Polyface Files (11/12 [AC1009]) (*.dxf)
- Alias Wavefront Object Files (*.obj)
- AutoCAD Drawing Files (2013/LT2013) (*.dwg)
- Bentley Drawing Files (v8) (*.dgn)

Points

- CSV Files (*.csv)
- DXF Files (11/12 [AC1009]) (*.dxf)
- Drawing Files (2013/LT2013) (*.dwg)
- Bentley Drawing Files (v8) (*.dgn)

Polylines

- Old Leapfrog Polylines (*.csv, *.txt)
- Leapfrog Polylines (*.lfpl)
- Leapfrog Straight Polylines (*.csv)
- Drawing Interchange Polyline Files (*.dxf)
- AutoCAD Drawing Files (2013/LT2013) (*.dwg)
- Bentley Drawing Files (v8) (*.dgn)

Geophysical Data/UBC Grids

- Grid (*.msh)
- Properties (*.nev)

Flow Models

(with Hydrogeology Extension)

- MODFLOW Models (*.nam)
- FEFLOW Models (*.fem)

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Stereonets

- PDF Files (*.pdf)
- Scalable Vector Graphics Files (*.svg)
- PNG Image Files (*.png)

Structural Data

- CSV Files (*.csv)

Elevation/Thickness Grids

- Arc/Info ASCII Grid Files (*.asc)
- ESRI .hdr Labelled Files (*.bil)
- ENVI Raster Image Files (*.img)
- Surfer ASCII Grid Files (*.grd)

GIS Vector Data

- Shape Files (*.shp)

Maps and Photos

- Geo Tiff Files (*.tif, *.tiff)

Saved Scenes (Viewer)

- Leapfrog Scene (*.lfview)

Movies

- Movie Files (*.wmv)

Rendered Images

- Image Files (*.png, *.jpg, *.jpeg)

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