Digital Canal Corporation

Solution Papers

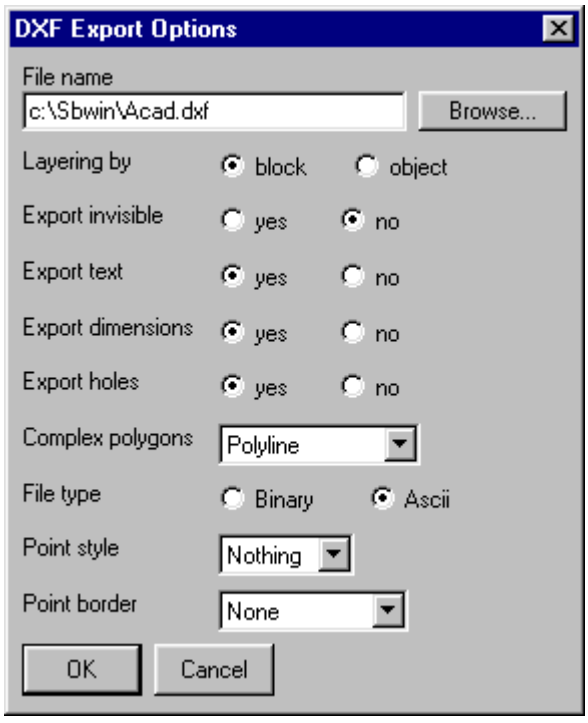
Summary: ***Exporting a SolidBuilder DXF file to AutoCAD***

Overview: The following procedures below will accurately take you through the steps necessary to create a .DXF file in **SolidBuilder**, and then open that same file into AutoCAD. For this example we will use a Working Drawing from SolidBuilder™.

Solution:

To create a DXF file in **SolidBuilder**, do the following steps:

1. Load the desired model in **SolidBuilder for Windows**.
2. Click on **Window** and select the Working Drawing you would like to export.
3. From the **SolidBuilder for Windows** pull down menu select **File**.
4. Select **Export DXF**.
5. Select **NO** for Rotate into X-Y Plane dialog. (Select **Yes** for a 3-D model)
6. Select **NO** for Bore Opening dialog. (Select **Yes** for a 3-D model)
7. Make sure the settings are correct in the DXF Export Options dialog as shown below-



8. Select **OK**

The above procedures will produce the Dxf file in SolidBuilder

9. Open this DXF file in AutoCAD. Once the DXF file is loaded, type in the Command line:
   -Rotate3d

-Select Objects: (Type) **all,** Enter twice.
-Axis by Objects: (Type) **X**, OR **Use the following Rotations to whichever view you imported (Plan=X, Left=Z, Right=Z, Back=X, Front=X).** Enter Twice.
-Rotation Angle:(Type) **90** OR **(Plan= 90, Left= -90, Right= 90, Back= -90, Front= 90),** Enter.
Then **Zoom/All**.

10. The Drawing is usually imported 1/12th the size from SolidBuilder so you have to rescale the drawing to work in the same units in AutoCAD.
-Type **Scale** and hit Enter.
-Select Objects: (Type) **all** and hit Enter.
-Base Point: (Type) **0,0,0** and Enter.
-Scale factor/Reference: (Type) **12** and Enter.
Then **Zoom/All.**