Transferring Your Solidworks drawings to the Laser Cutter:

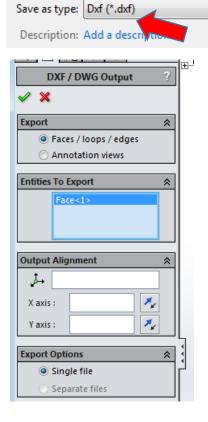
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In Solidworks:

 MAKE SURE YOUR FILE IS IN MILLIMETERS. At the bottom right of your screen should read "MMGS", not "IPS".



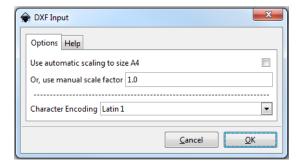
- 2. "Save As..." .dxf file.
- 3. Select "Faces/Loops/edges"
- 4. "Entities to Export", click on the face to export
- 5. Click green check button, then "OK", then "SAVE".



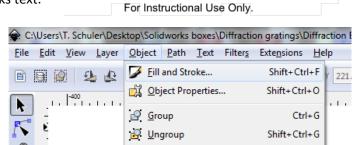
File name: DiffractionBase2b

In Inkscape

- 1. Drag your new .dxf file into Inkscape.
- 2. Make sure that the "Use automatic scaling..." box is empty (unchecked).
- 3. "Use Manual Scale Factor" should be 1.0
- 4. Click "OK"

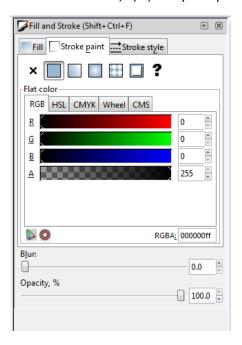


- 5. Remove the damn annoying Solidworks text.
- 6. Highlight everything and select "Object -> Fill and Stroke"



SolidWorks Educational Edition.

7. Stroke Paint = 0, 0, 0, 255 (black)



8. Stroke Width = 0.003mm

Clip Mas<u>k</u>

Fill and Stroke (Shift+Ctrl+F)			
Fill Stroke paint Stroke style			
Width:	0.003 mm 🔻		
Join:			
Miter limit: 4.00			
Cap:			
Dashes:			
Start Markers:	None	•	
Mid Markers:	None	-	
End Markers:	None	•	
Blur:			
	0	.0	<u></u>
Opacity, %	1	0.00	<u>*</u>