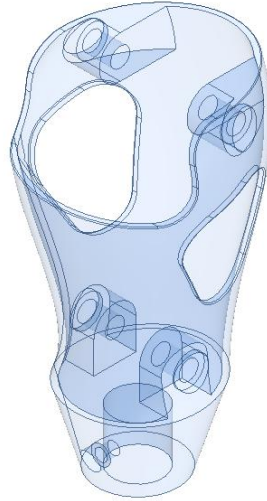




Year 3: Engineering: ASSIGNMENT 1



Instructions:

- Having created the Prosthetic leg calf based on the details given in the tutorial you are required to create the **THREE** following drawings using the template you created in year 2.

Assignment 1A.

Assignment 1B.

Assignment 1C.

Create as A3 Drawings at an appropriate scale and to ISO standards.

Include Geometric tolerances, limits and fits and Datums where appropriate.

Save the 3 drawings as a dwfx file for handing in.

Assignment 1A: Complex Loft Details

Top Spline		
X	Y	Z
0	55	150
38.971	-22.5	150
-38.971	-22.5	150
0	55	150

Bottom Spline		
X	Y	Z
0	40	0
30.311	-17.5	0
-30.311	-17.5	0
0	40	0

Spline A		
X	Y	Z
0	40	0
0	50	50
0	60	100
0	55	150

Spline B		
X	Y	Z
30.311	-17.5	0
30.311	-17.5	50
43.301	-25	100
38.971	-22.5	150

Spline C		
X	Y	Z
-30.311	-17.5	0
-30.311	-17.5	50
-43.301	-25	100
-38.971	-22.5	150

General Notes -
 Values in the tables are Absolute Cartesian Coordinates based on the standard inventor coordinate system.

CADSOFT DESIGN		PROPERTY: ME304-1A-ASSIGN
Project: PROSTHETIC LEG CALF		
Title: COMPLEX LOFT DETAILS		
SCALE: NTS	DRAWN BY: WR	SHEET SIZE: A3
DATE: 01-01-20	CHECKED BY: KM	SHEET NO: 1/3
(Do not scale from drawing. All dimensions in mm.)		

Assignment 1B: cut Out Details

General Notes -
 General Tolerance: ± 0.05
 Unless stated

CADSOFT DESIGN		PROPERTY: ME304-1B-ASSIGN
Project: PROSTHETIC LEG CALF		
Title: CUT OUT DETAILS		
SCALE: 1:1	DRAWN BY: WR	SHEET SIZE: A3
DATE: 01-01-20	CHECKED BY: KM	SHEET NO: 2/3
(Do not scale from drawing. All dimensions in mm.)		

Assignment 1C: Calf Details

