

Carlos Relvas |1



AULA 5 - modelação 3D (FUSION 360)

sumário

Fundamentos da modelação 3D de uma peça

Gravação e exportação de ficheiros para impressão 3D (STL)

objetivos

Demonstrar conhecimento da utilização de uma ferramenta de modelação CAD 3D para representação de um modelo digital.

Demonstrar conhecimento da utilização das funções de gravação e exportação de ficheiros para impressão 3D

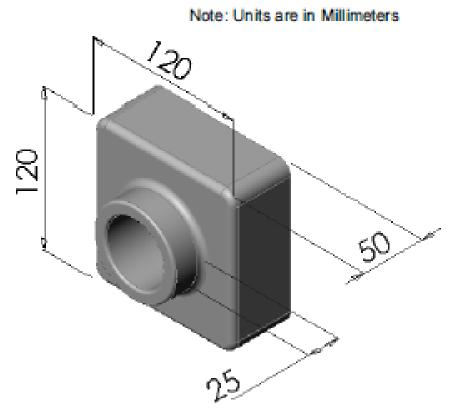
EXERCÍCIO 1 - extrude

Task 1

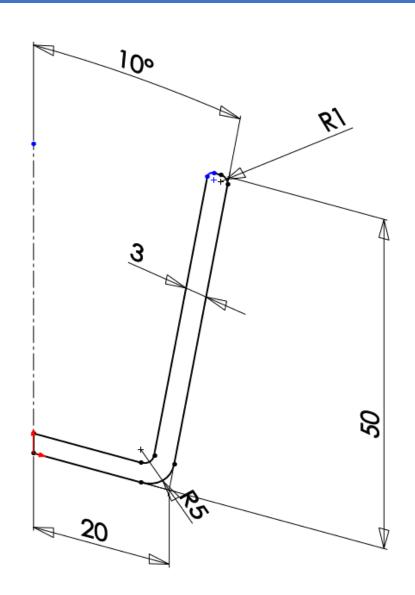
The design for Tutor1 was created in Europe. Tutor1 will be manufactured in the US. Convert the overall dimensions of Tutor1 from millimeters to inches.

Given:

- □ Conversion: 25.4 mm = 1 inch
- □ Base-Extrude width = 120 mm
- □ Base-Extrude height = 120 mm
- Base-Extrude depth = 50 mm
- □ Boss-Extrude depth = 25 mm

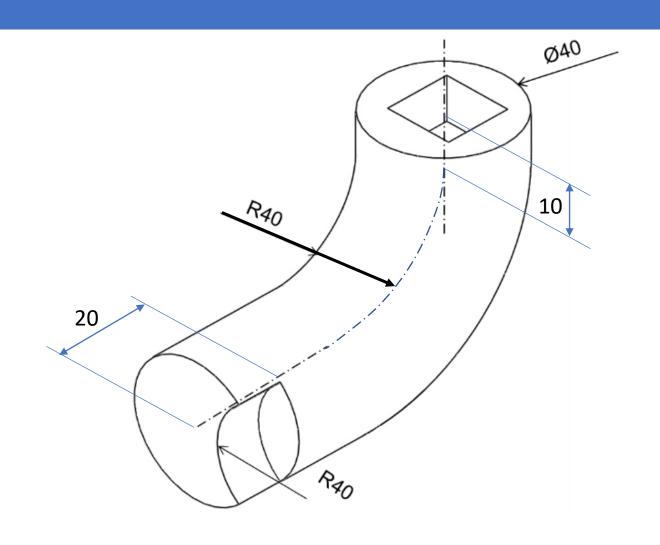


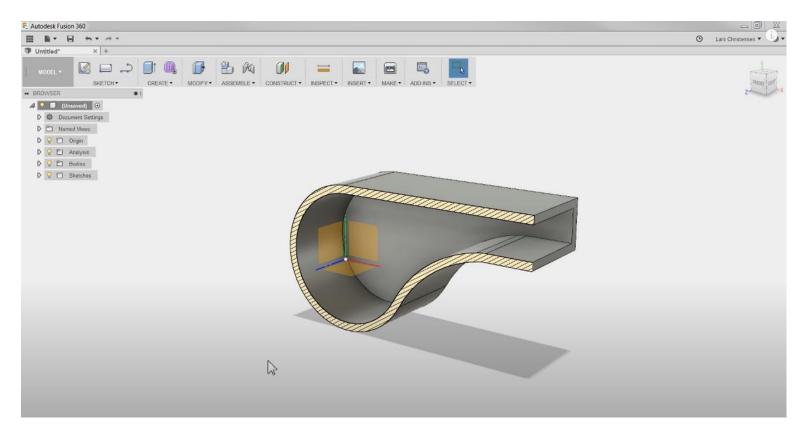
EXERCÍCIO 2 - REVOLVE





EXERCÍCIO 3 - sweep





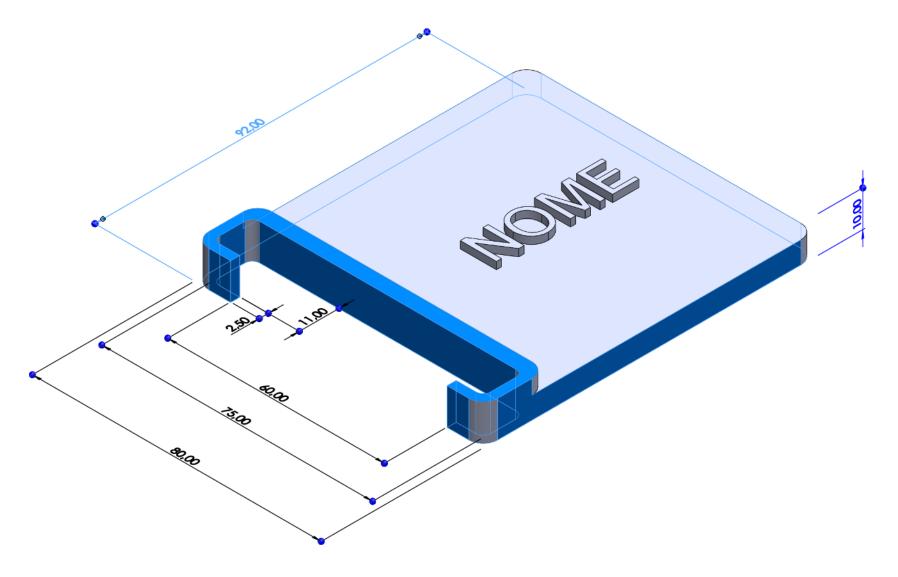
Apito:

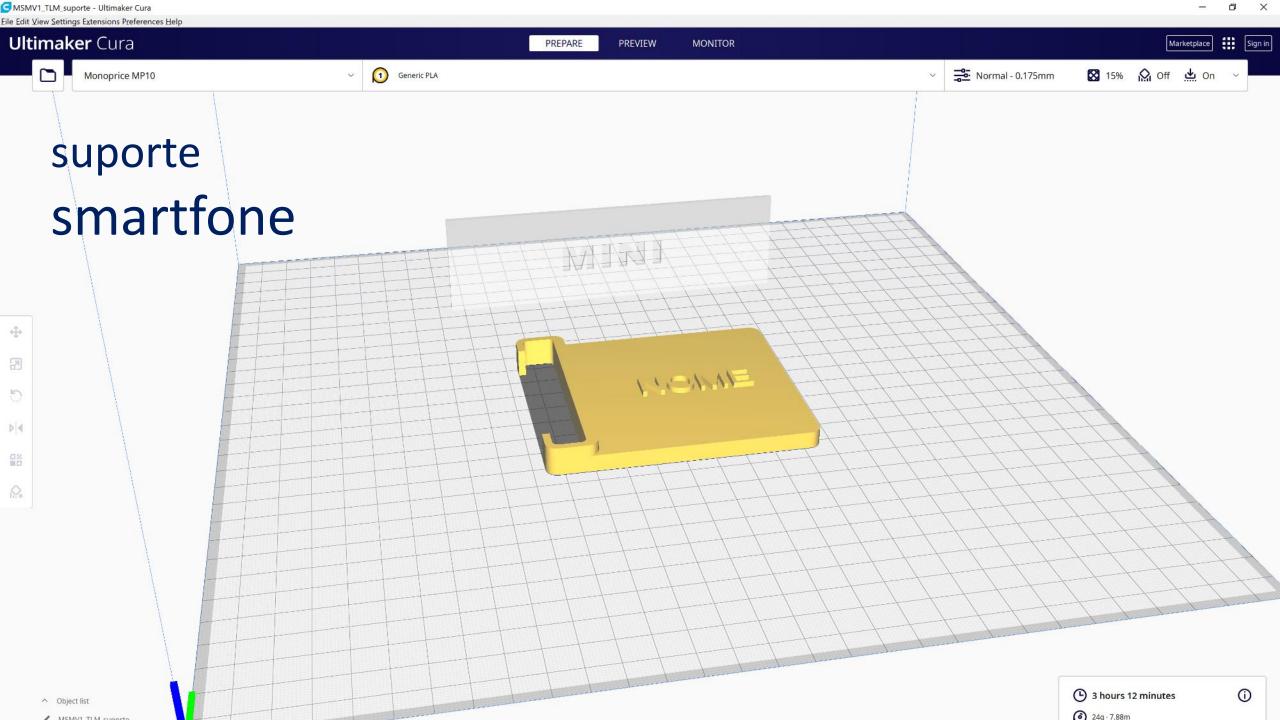
https://youtu.be/I8VVZIUU2rM

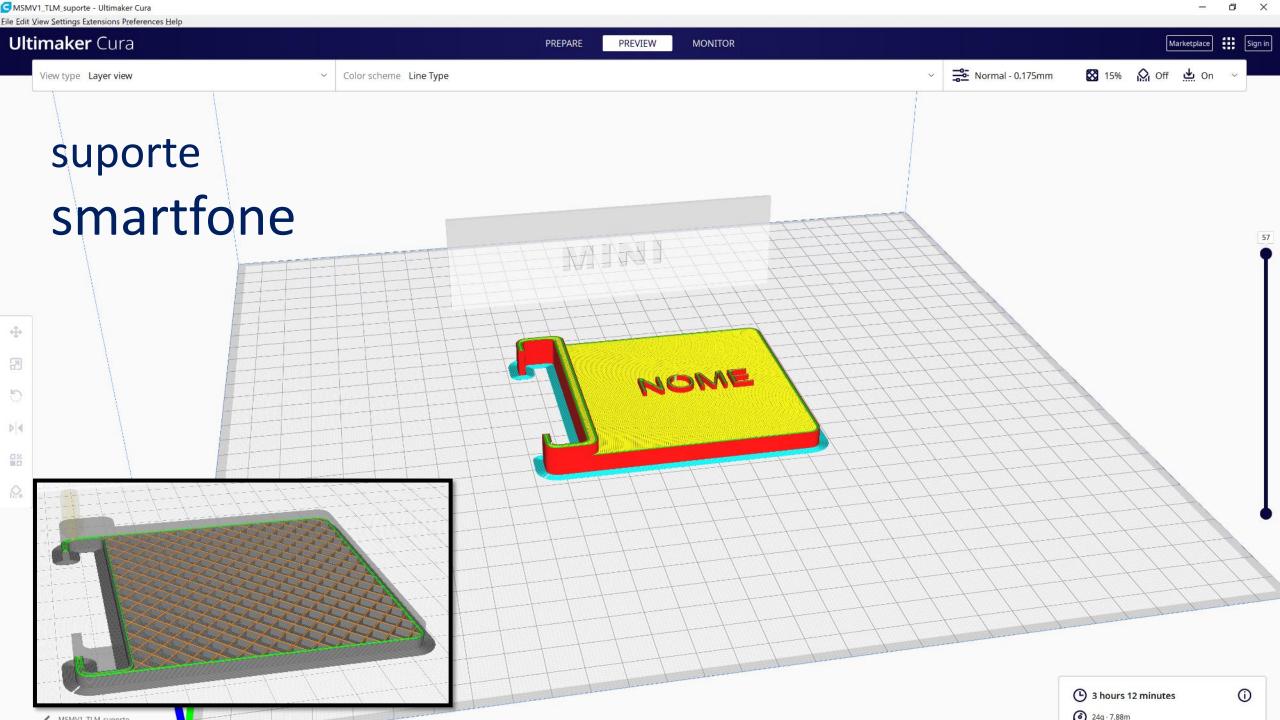
Fusion 360 Absolute Beginner - How To Model a Whistle - Last Nights Facebook Livestream - YouTube



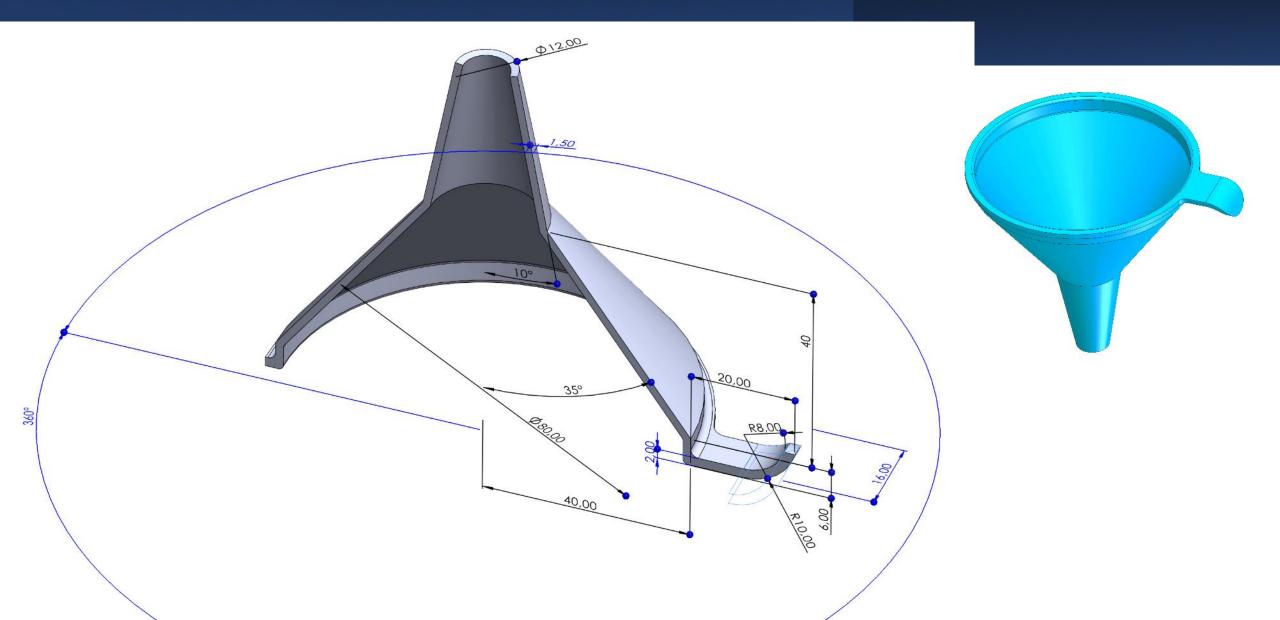
suporte smartfone







FUNIL



SITES COM MODELOS 3D (stl)

https://all3dp.com/1/free-stl-files-3d-printer-models-3d-print-files-stl-download/

https://cults3d.com/en

https://free3d.com/3d-models/3d-printable?

https://grabcad.com/library

https://www.cgtrader.com/3d-print-models

https://www.myminifactory.com/

https://www.thingiverse.com/

https://www.turbosquid.com/Search/3D-Models/free/stl