



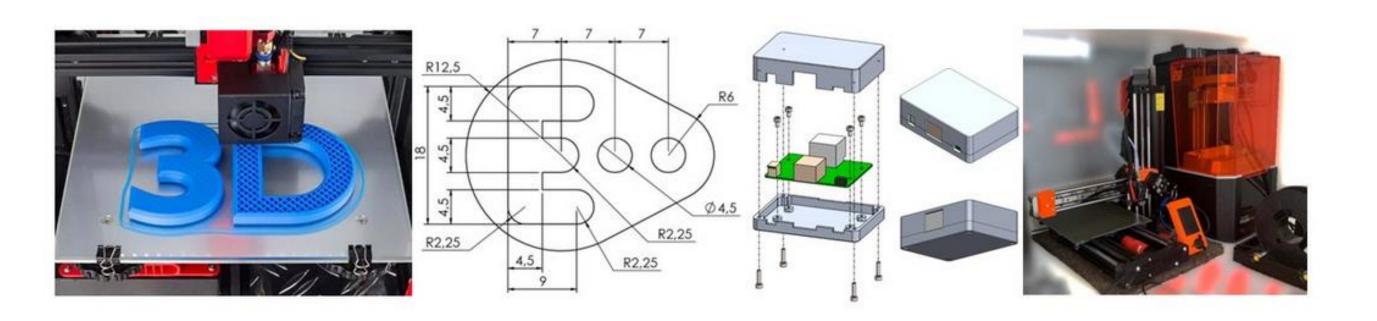




BY UMA-ATECH



Diseño con SolidWorks para Impresión 3D







IMPRESIÓN 3D – **RESUMEN** DEL CURSO

CLASE 1

- Conceptos básicos
- Programa de laminación Uso general

CLASE 2

- Diseño listo para imprimir
- Contacto práctico de impresora 3D

CLASE 3

- Programa de laminación Orientación de piezas y soportes
- Puesta en marcha y mantenimiento de impresora 3D

CLASE 4

- Diseño y fabricación de producto
- Siguientes pasos en la impresión 3D





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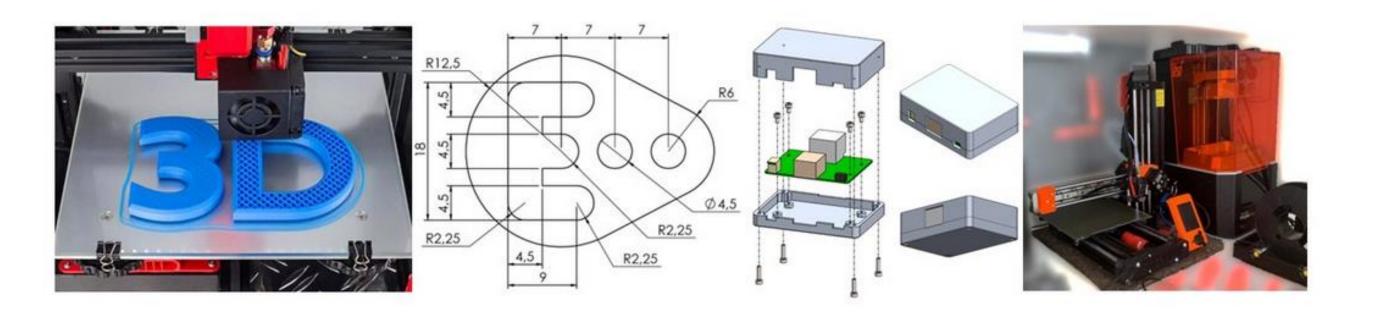




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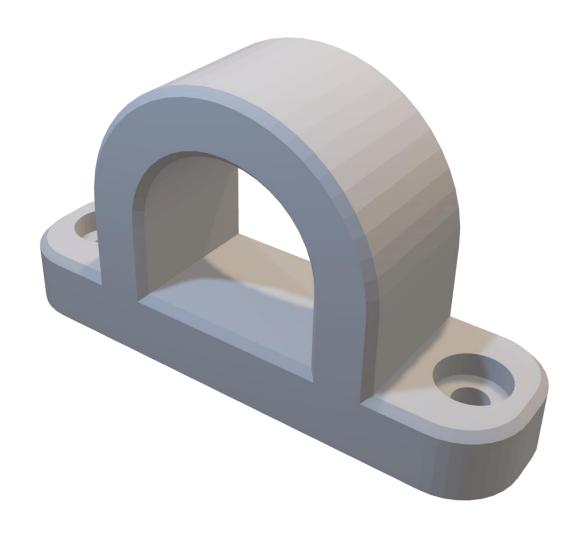


CLASE 3 - A Orientación de piezas y Soportes







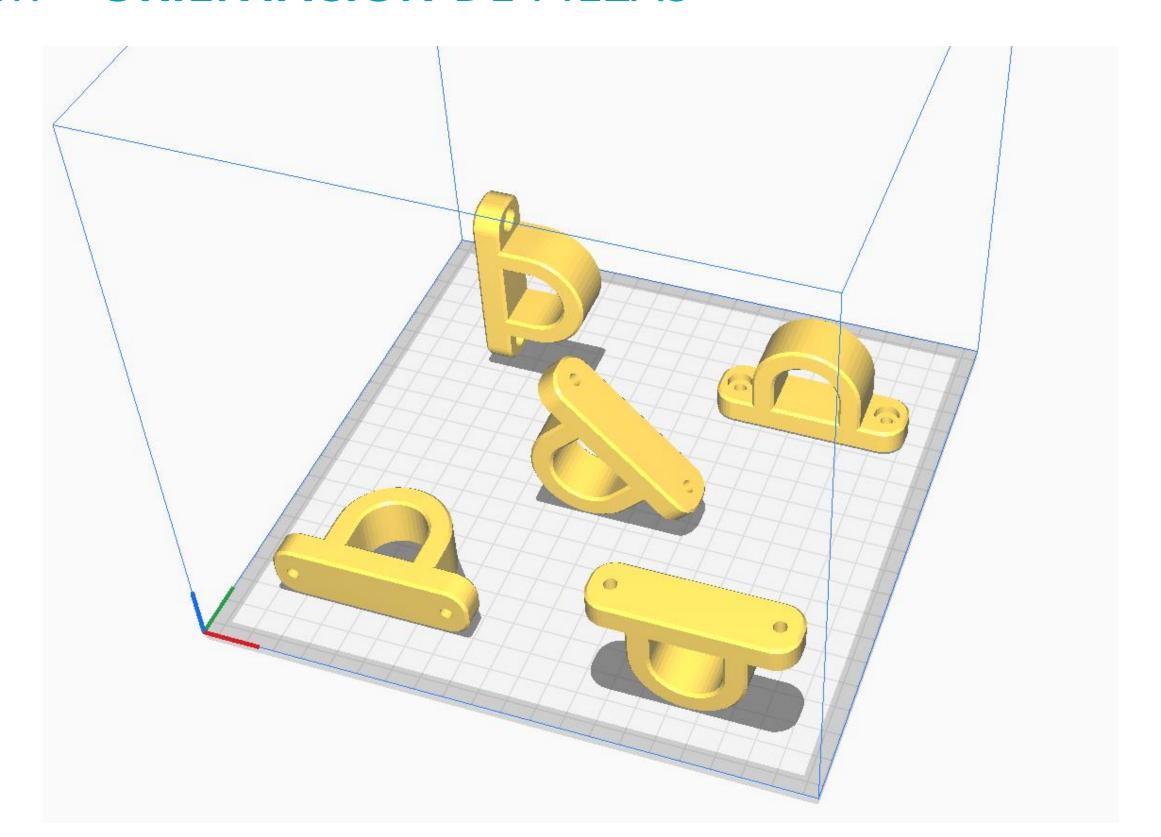


MODELO 3D:

Clase-3_I3D_EjercicioPractico-A_Gancho



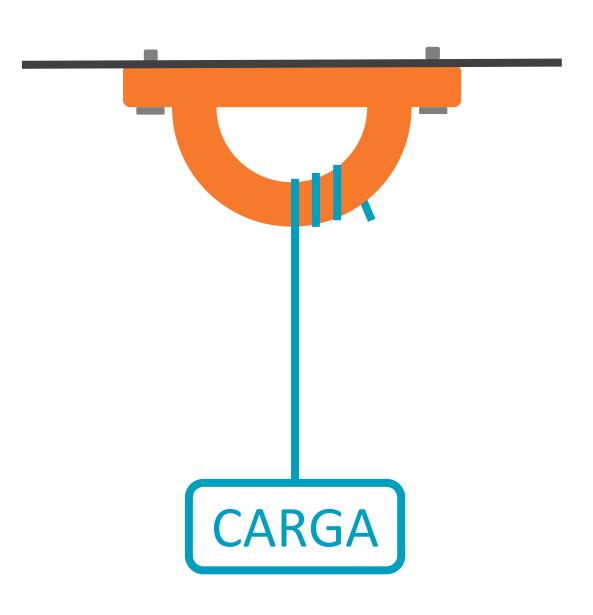






















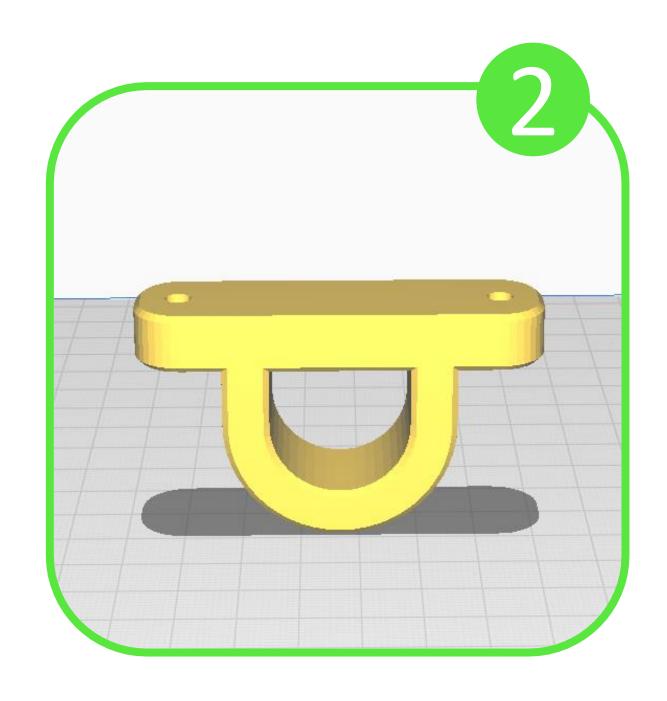








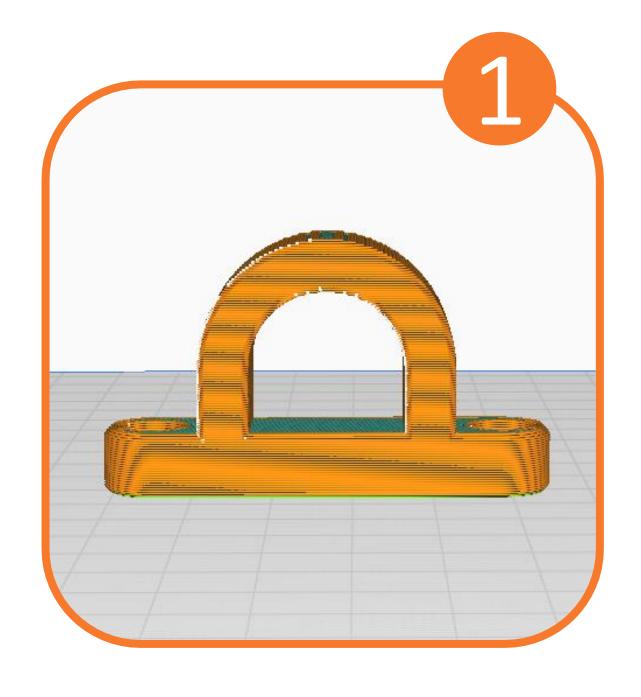










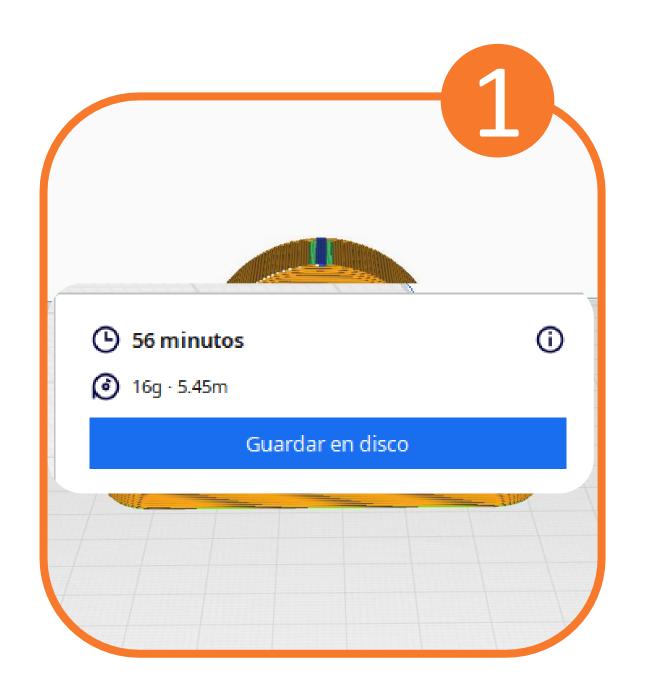










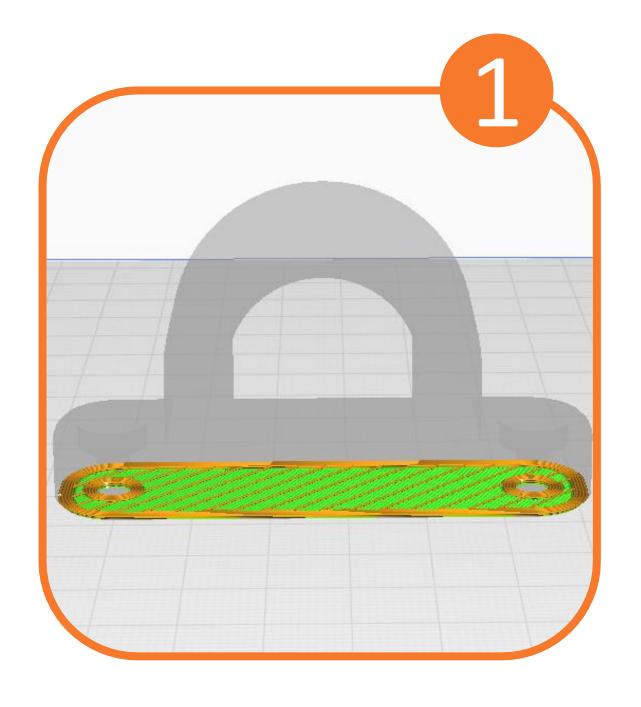


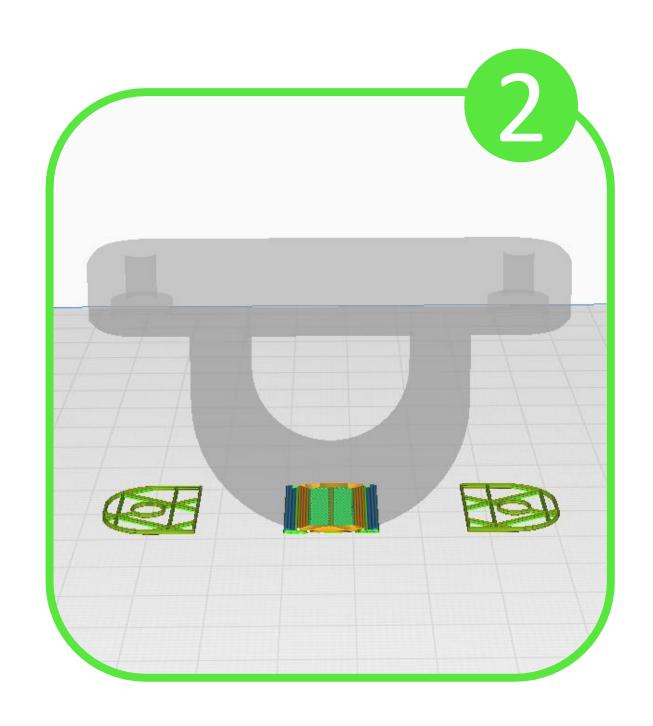








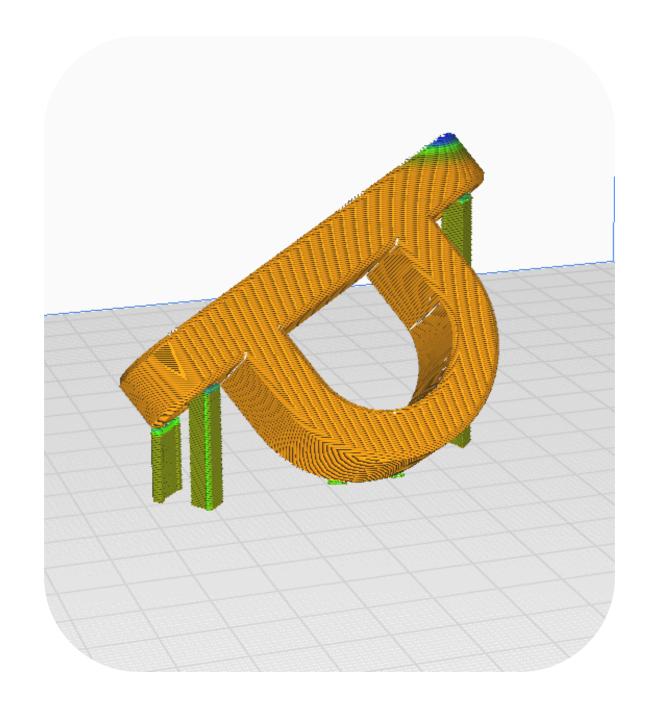
























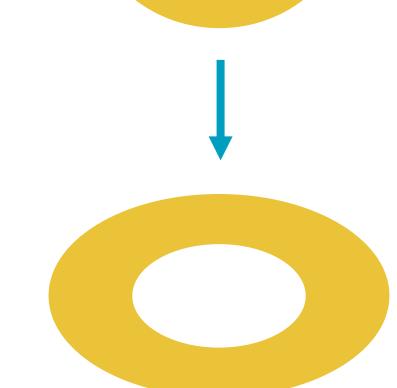














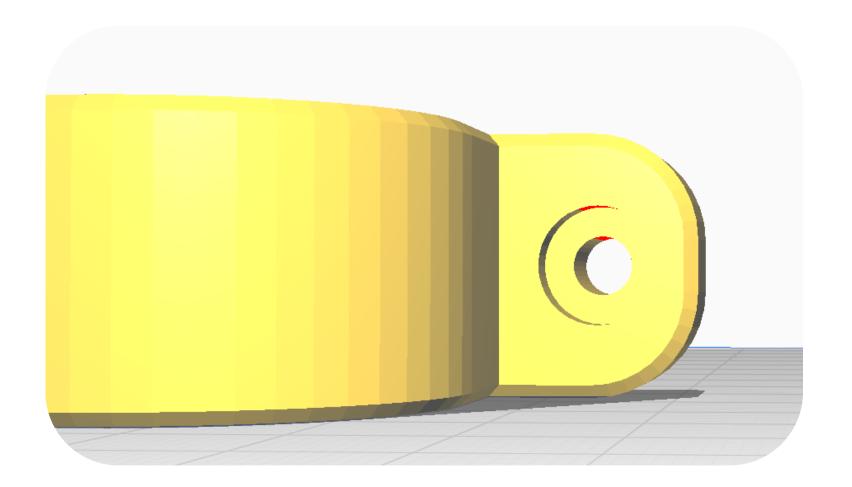
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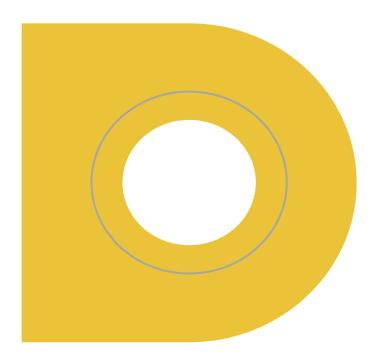


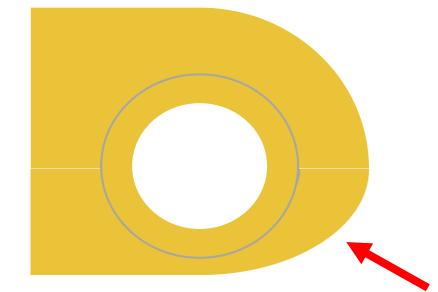




ACABADO ESTÉTICO





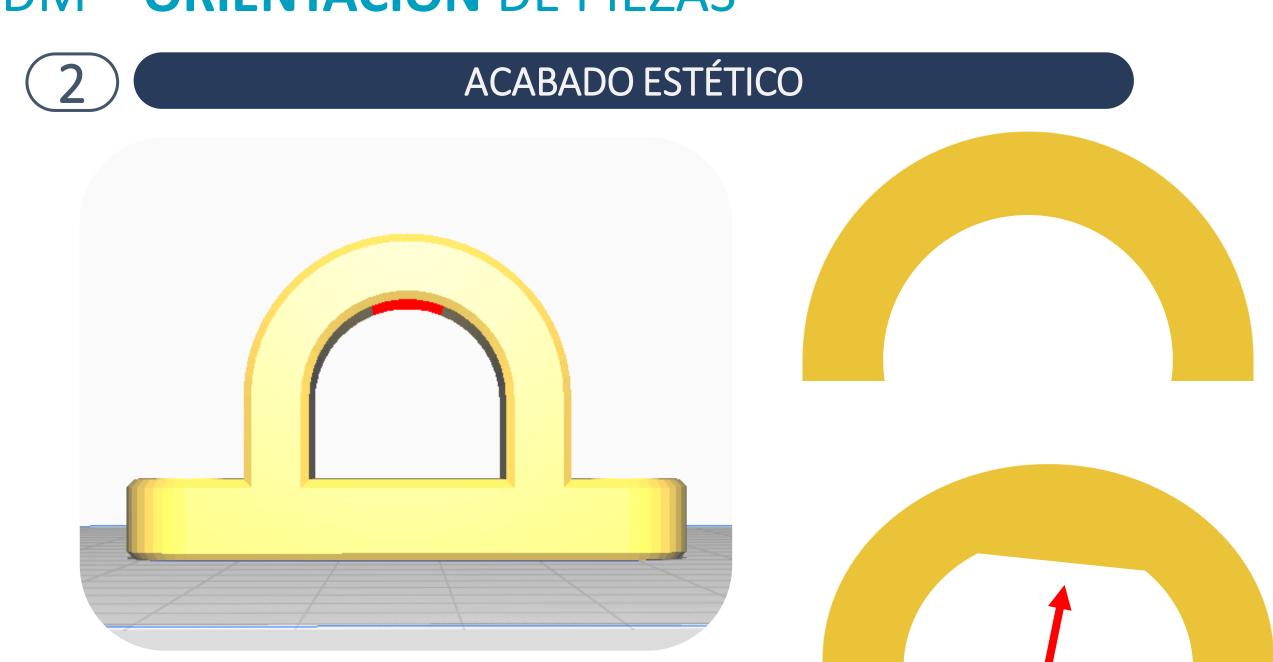




REDONDEOS DEFORMADOS









DEFORMACIÓN EN VOLADIZO

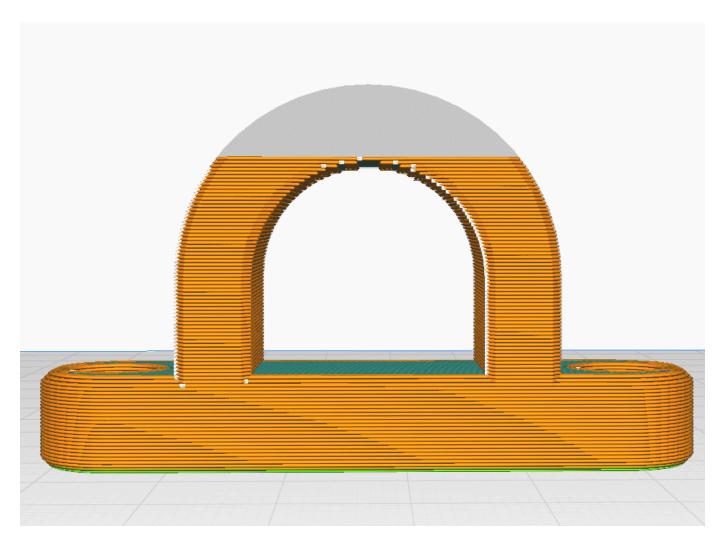


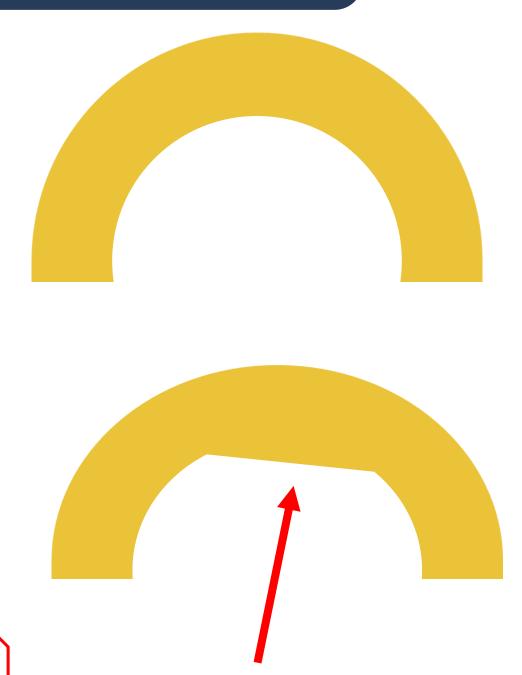






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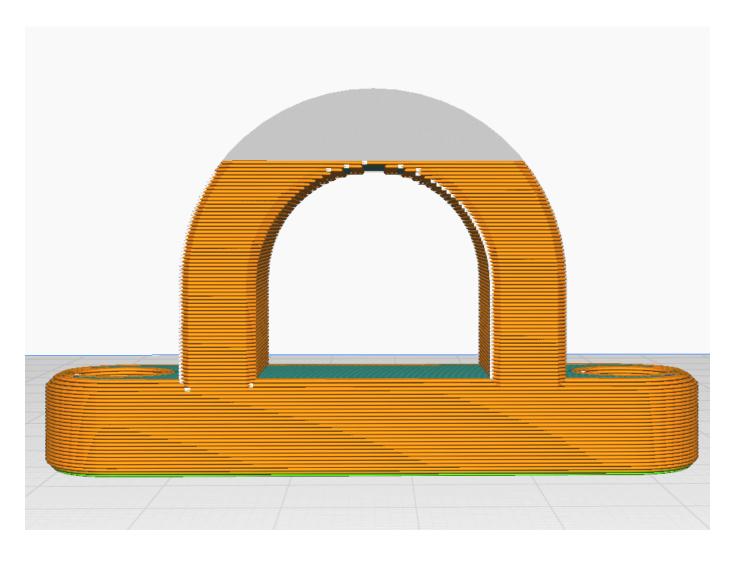
DEFORMACIÓN EN VOLADIZO







ACABADO ESTÉTICO







DEFORMACIÓN EN VOLADIZO

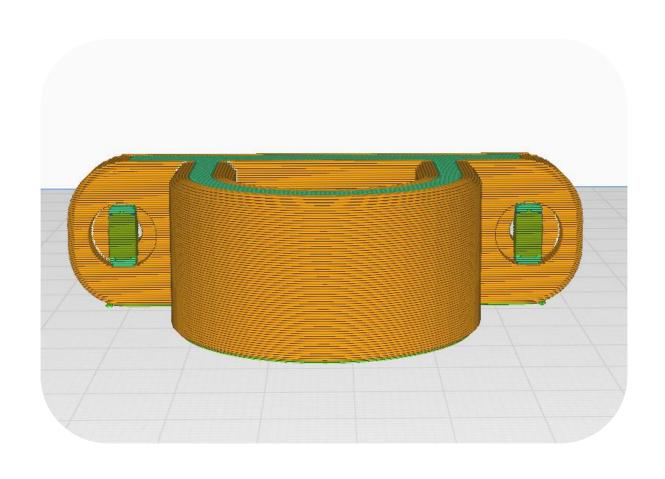


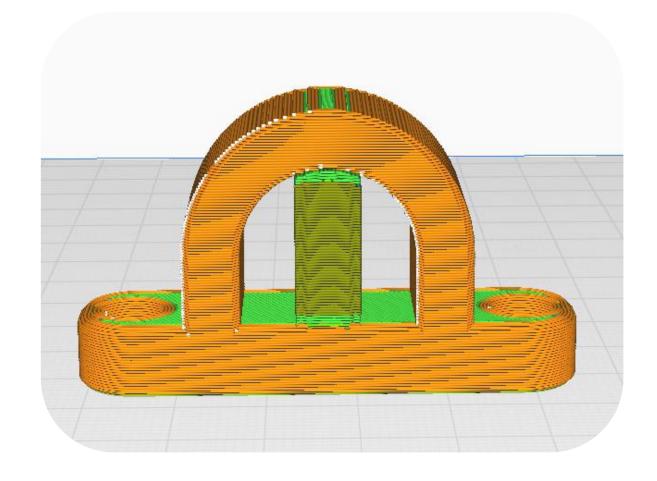




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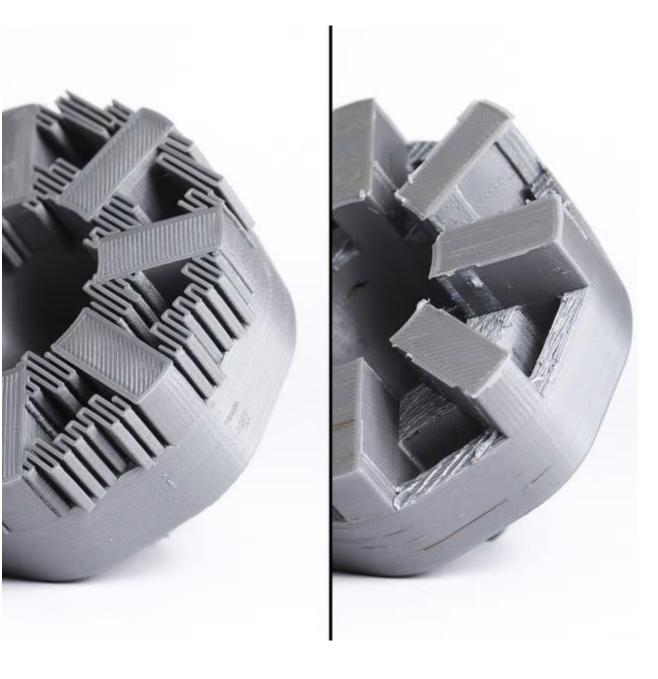








ACABADO ESTÉTICO





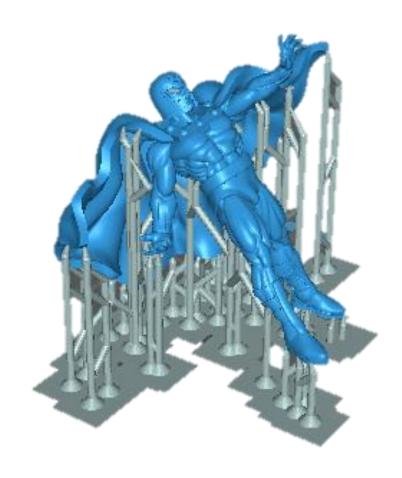
MARCAS DE SOPORTES

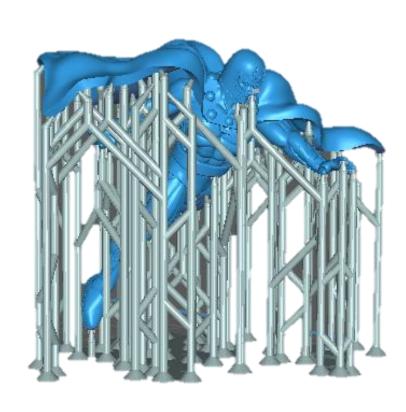






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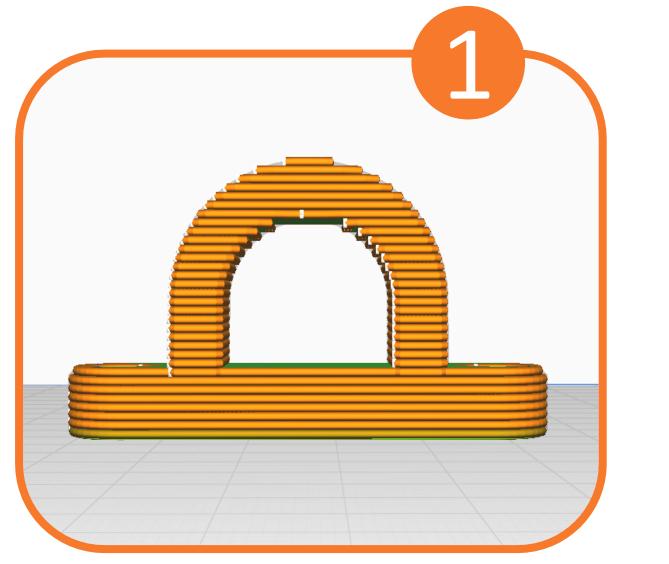


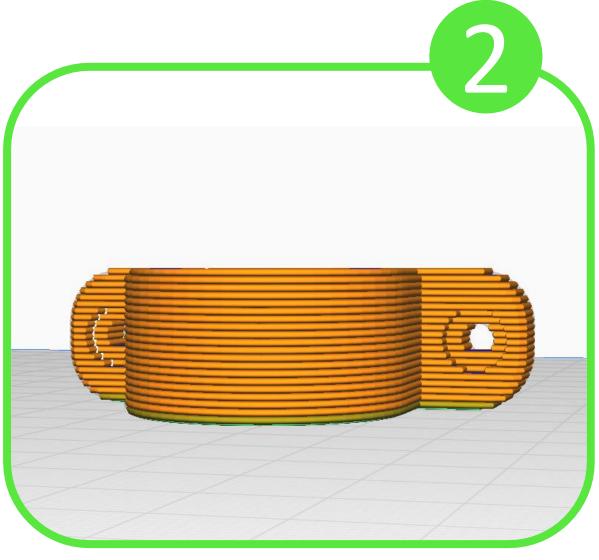










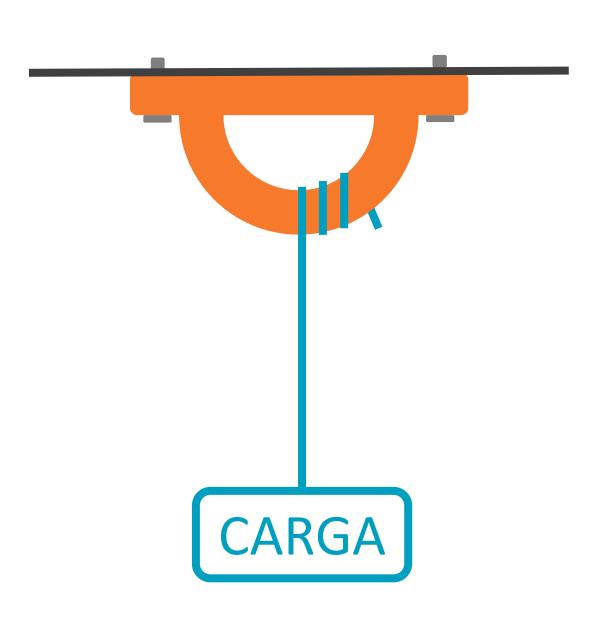








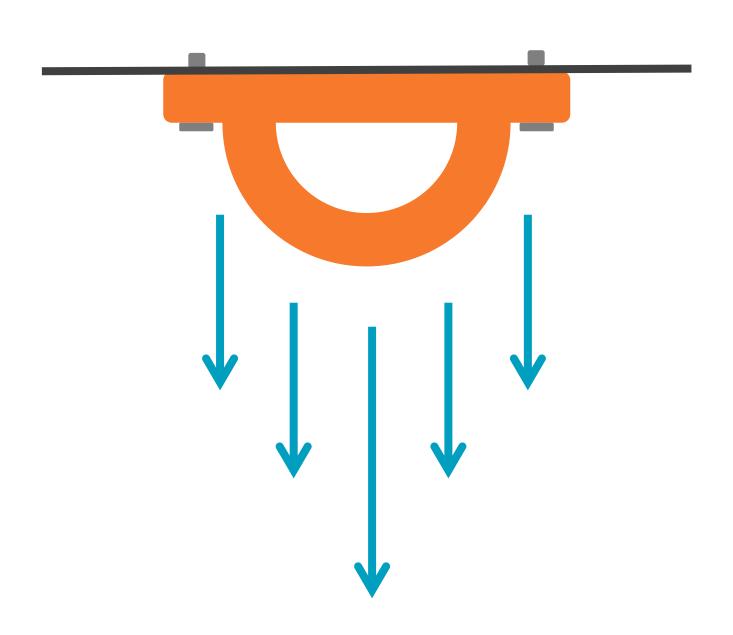


















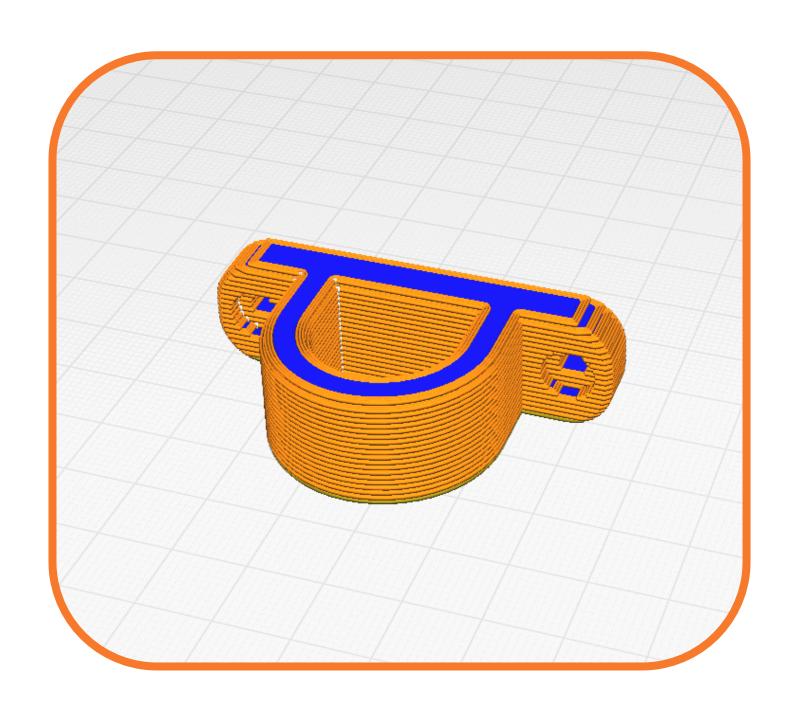








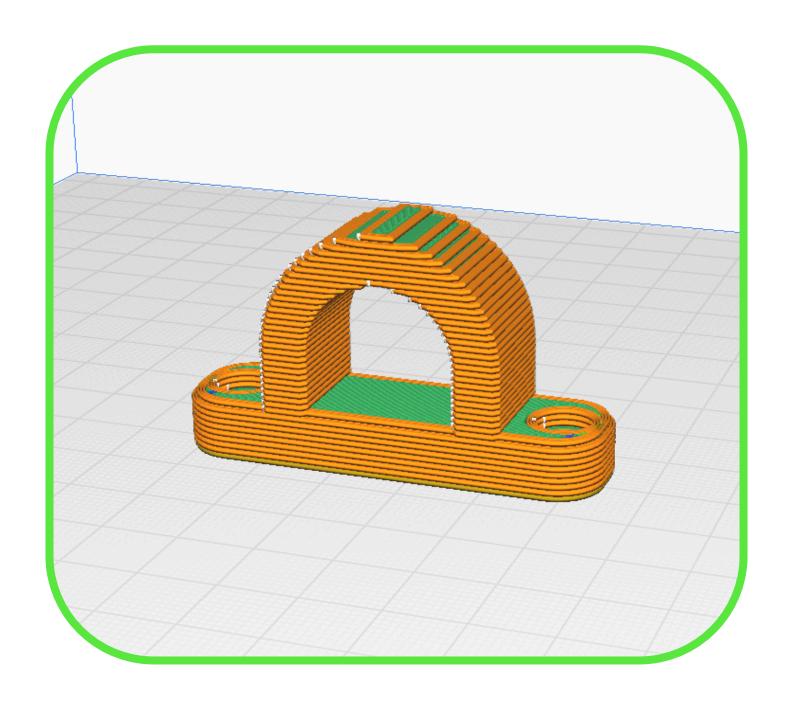














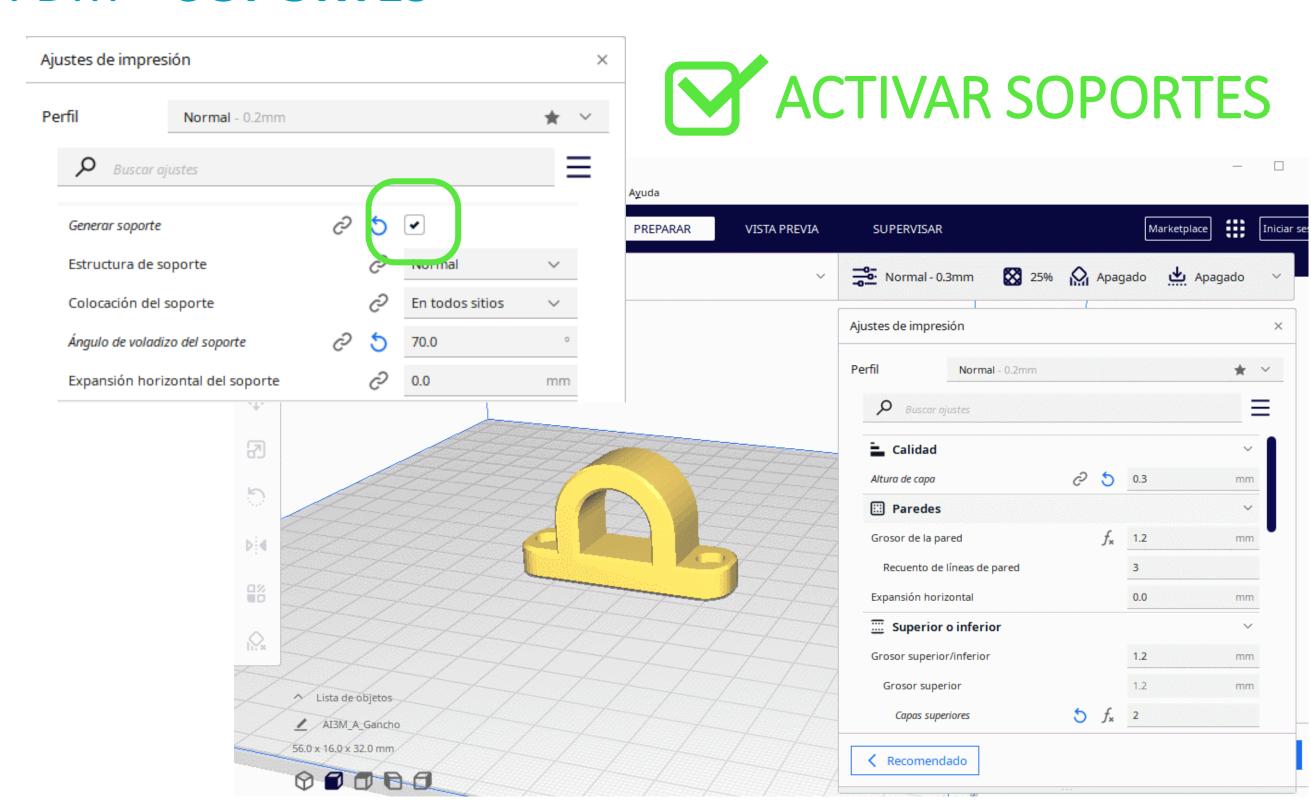








FDM - SOPORTES

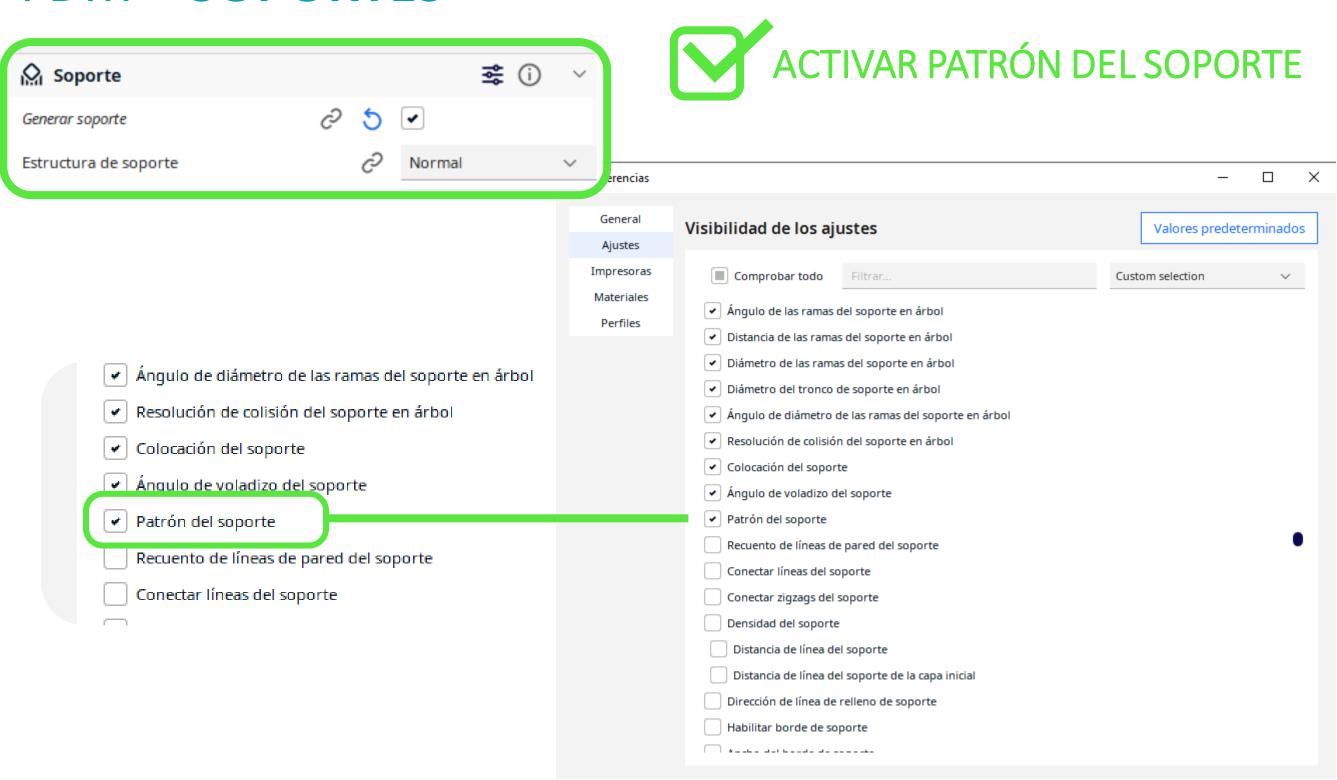






Diseño con SolidWorks para Impresión 3D

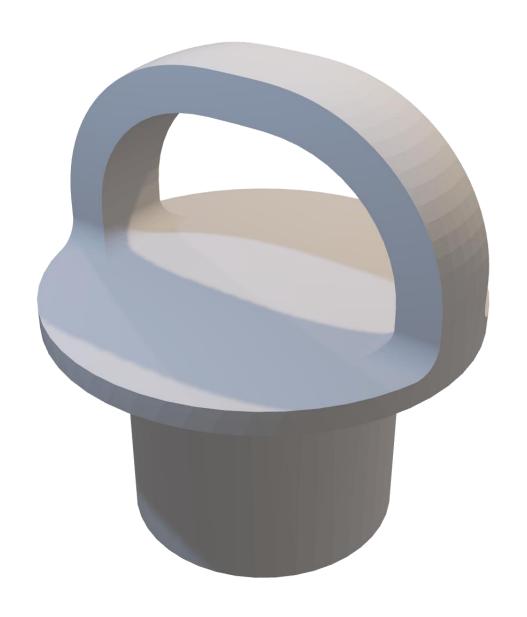
FDM - SOPORTES







FDM - SOPORTES



MODELO 3D:

Clase-3_I3D_EjercicioPractico-B_Tapón

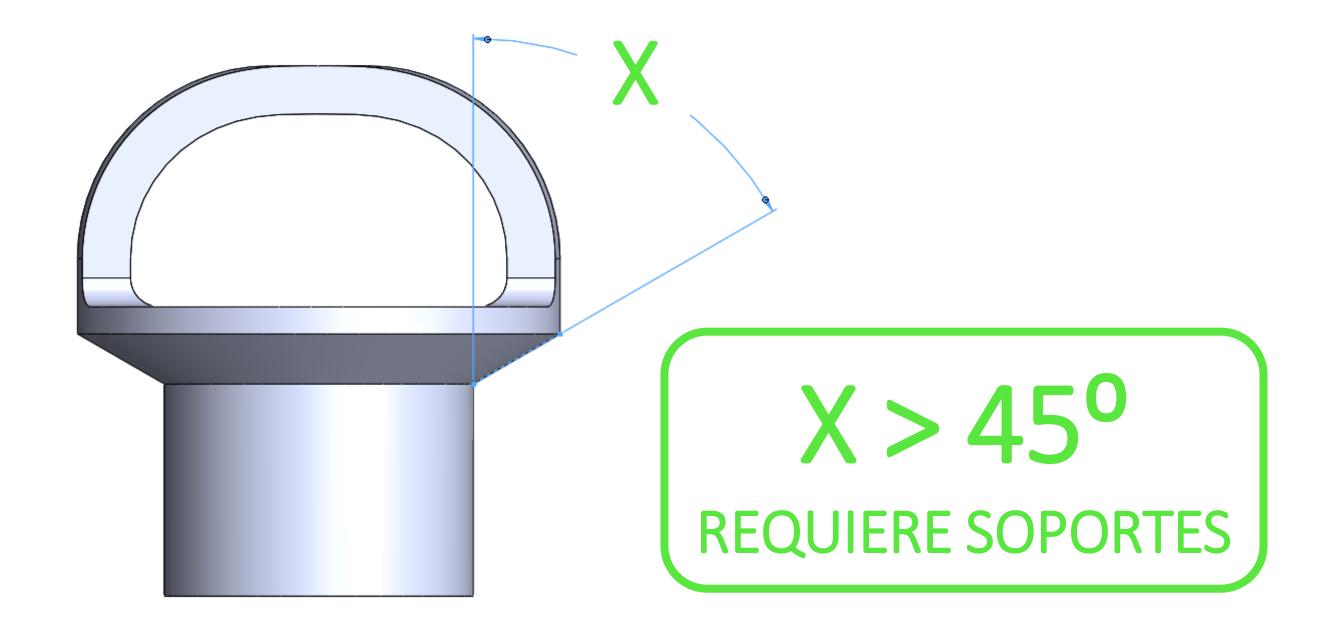




FDM - SOPORTES



ÁNGULO



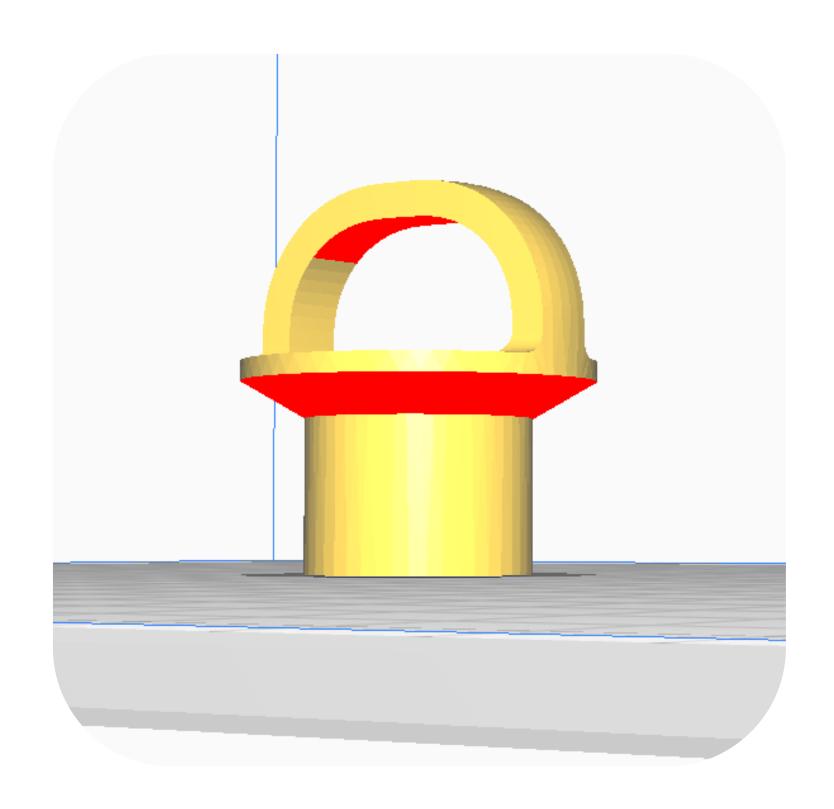














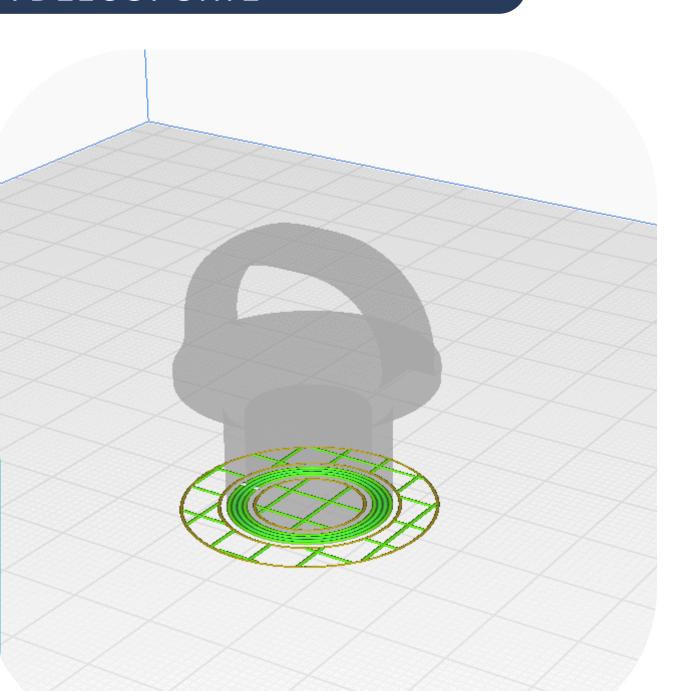




COLOCACIÓN DEL SOPORTE



Tocando la base de impresión





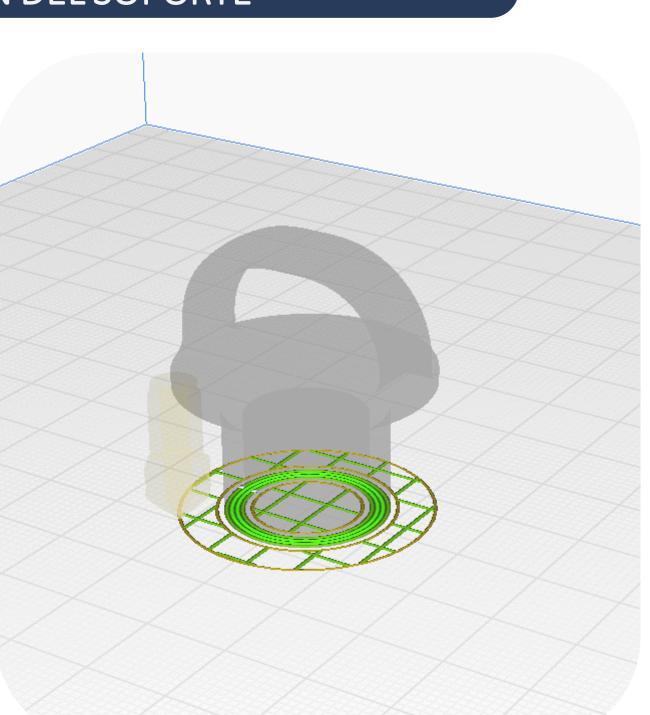




COLOCACIÓN DEL SOPORTE



En todos sitios

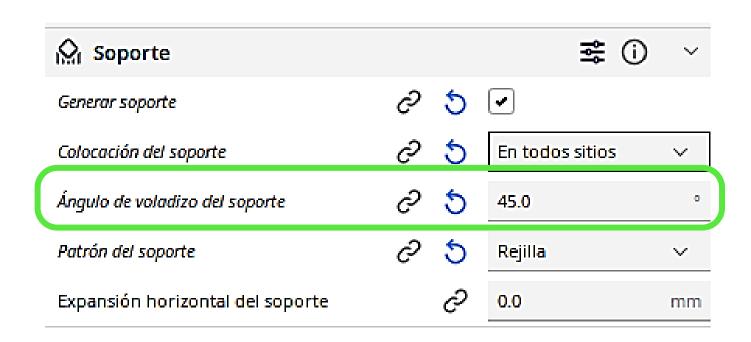




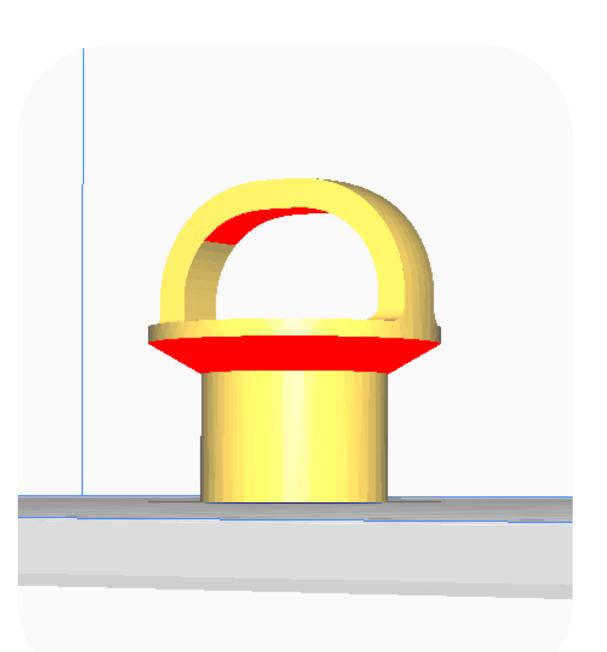


2

ÁNGULO DEL VOLADIZO



 $Ángulo = 45^{\circ}$

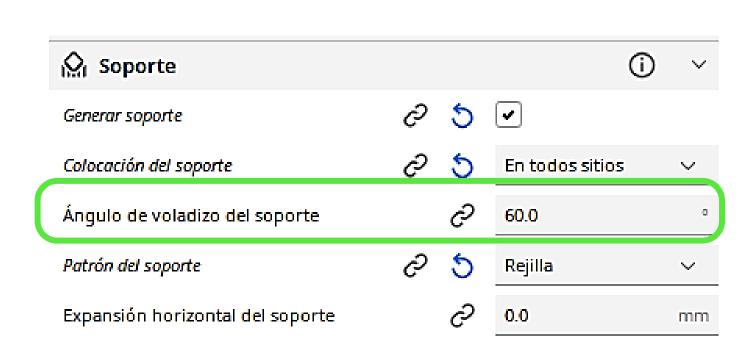




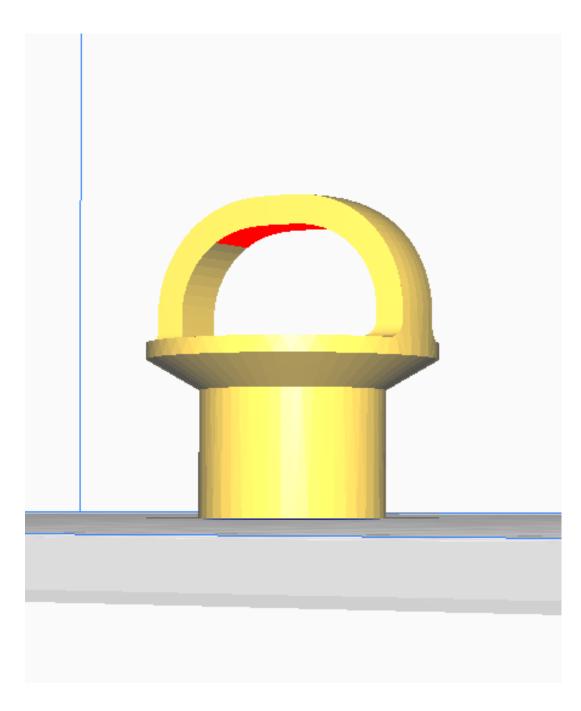


2

ÁNGULO DEL VOLADIZO



 $Ángulo = 60^{\circ}$

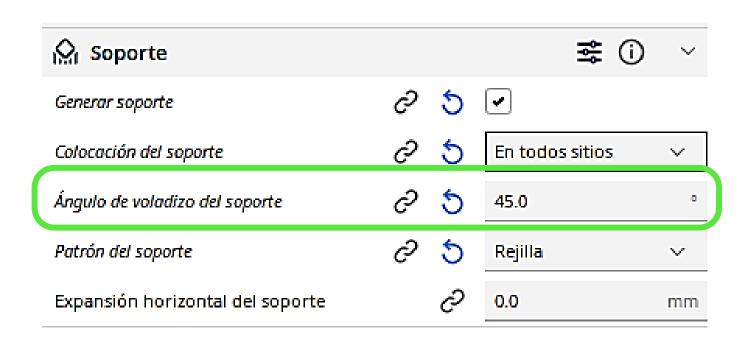






2

ÁNGULO DEL VOLADIZO



 $Ángulo = 45^{\circ}$



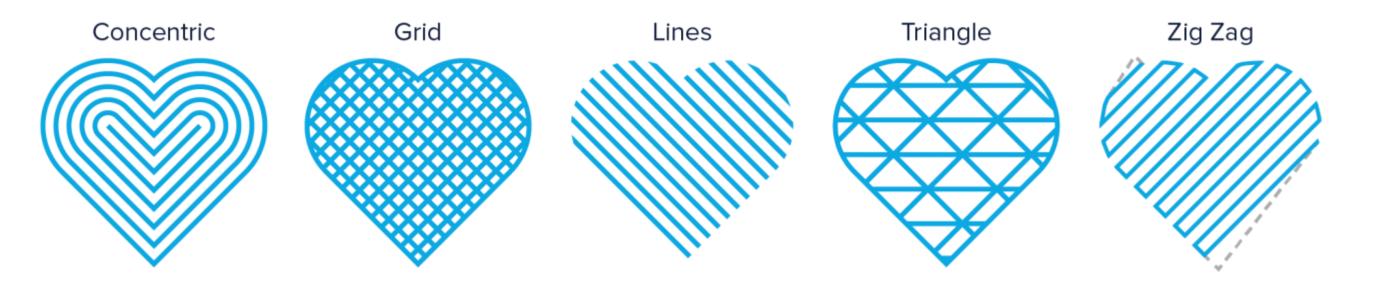




3

PATRÓN DEL SOPORTE

Soporte		
Generar soporte	O	5
Colocación del soporte		O
Ángulo de voladizo del soporte	O	5
Patrón del soporte	O	5
Expansión horizontal del soporte		O







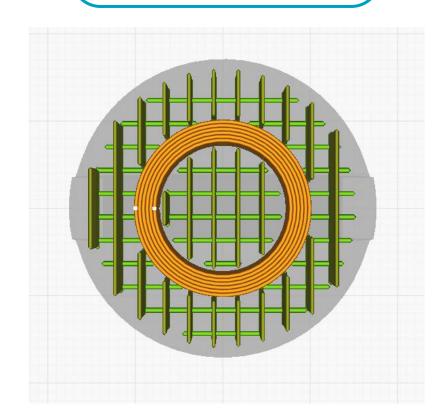


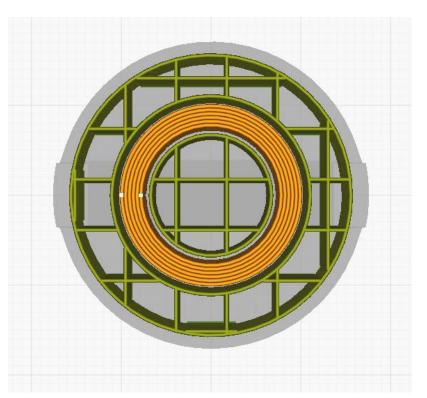
PATRÓN DEL SOPORTE

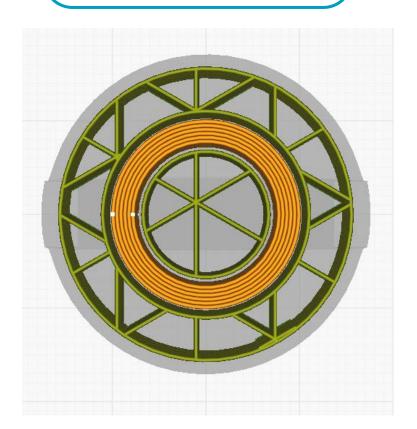
LÍNEAS











Más utilizados

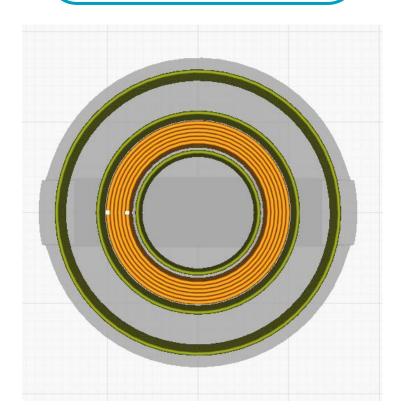






PATRÓN DEL SOPORTE

CONCÉNTRICO



- + Rápido
- Material
- Resistencia

FINALIDAD ESTÉTICA

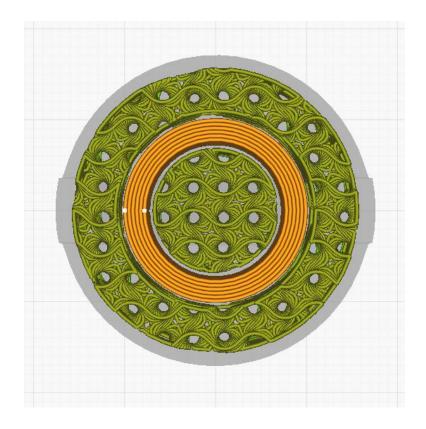






PATRÓN DEL SOPORTE

GIROIDE



ALTA RESITENCIA MECÁNICA





FDM – SOPORTES DE ÁRBOL







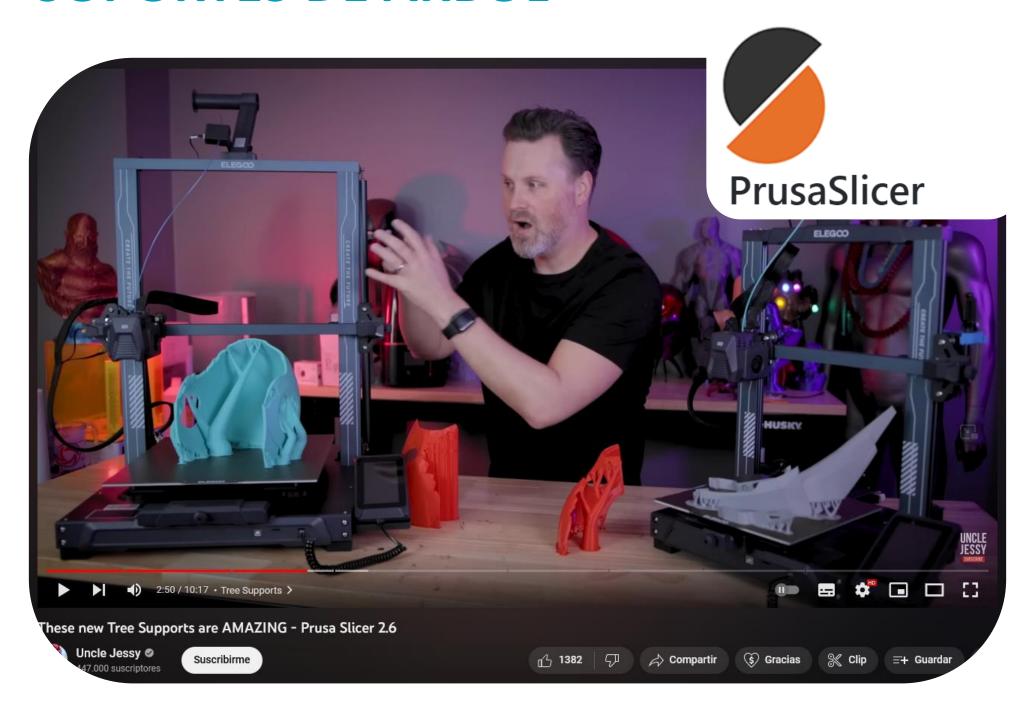
FDM – SOPORTES DE ÁRBOL







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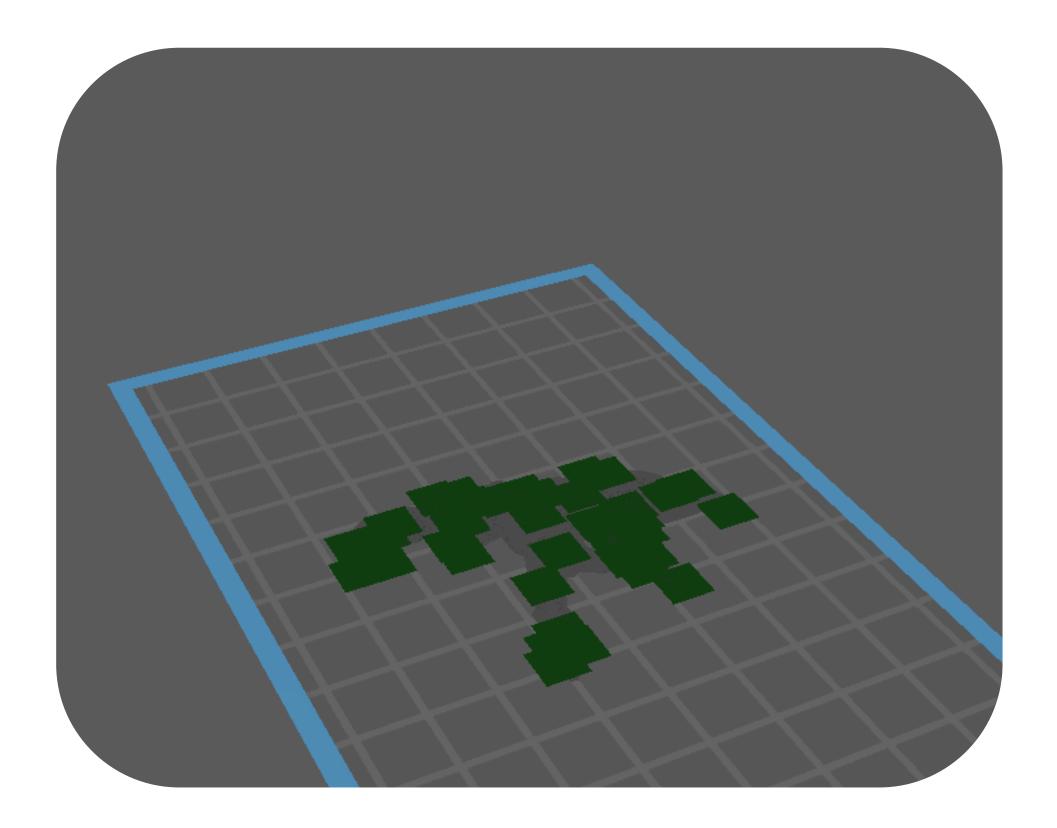


https://www.youtube.com/watch?v=JbNdB8yg0j0&ab_channel=UncleJessy





FDM - SOPORTES EN RESINA







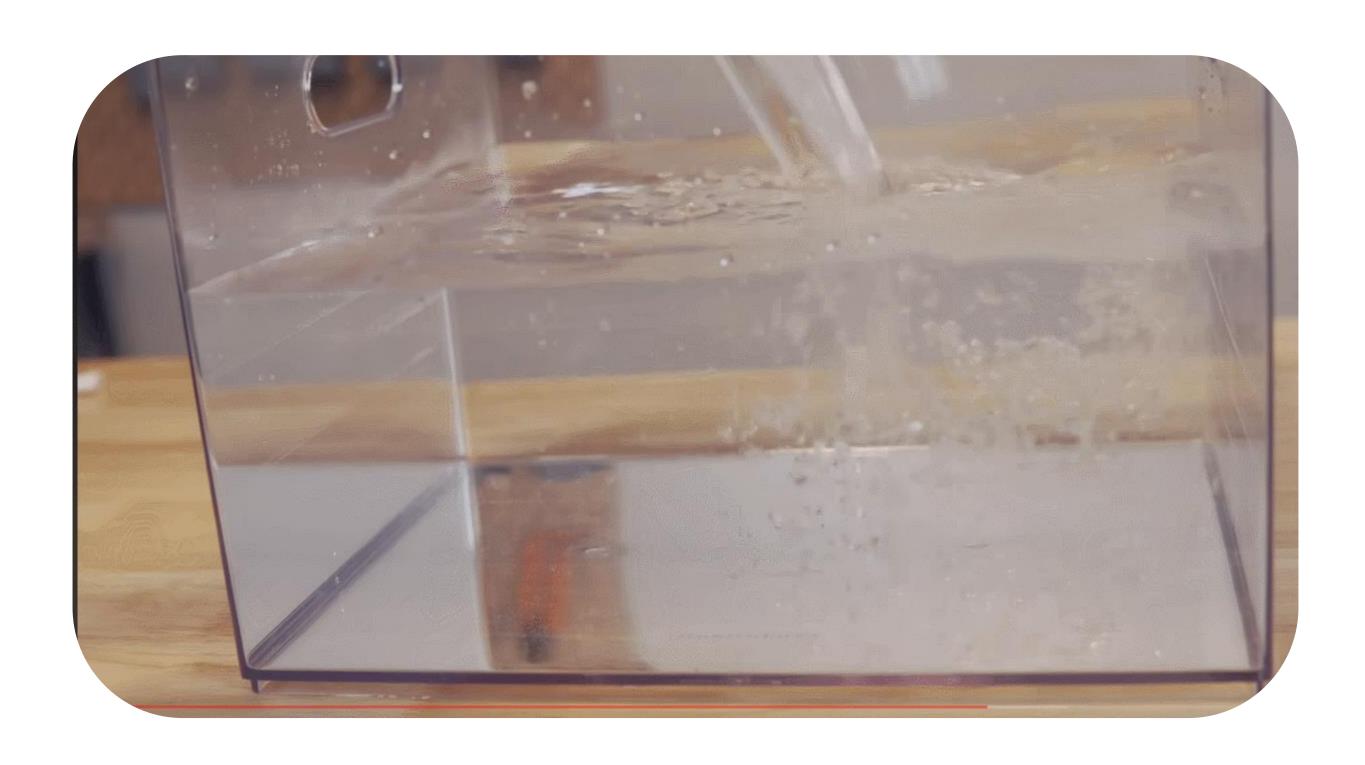
FDM - SOPORTES EN RESINA





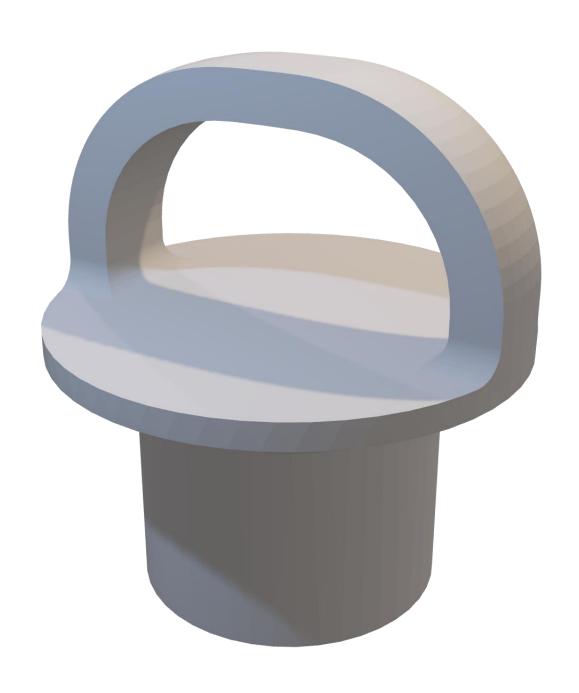


FDM - SOPORTES EN PVA



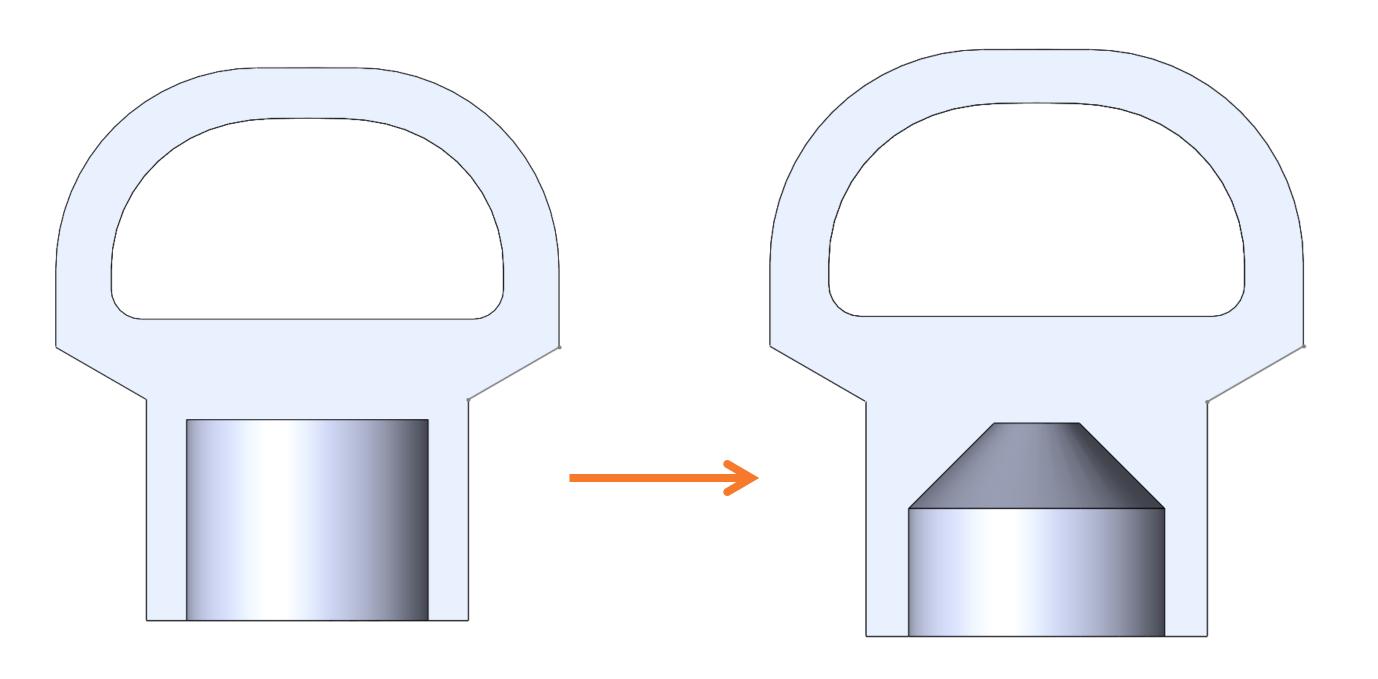






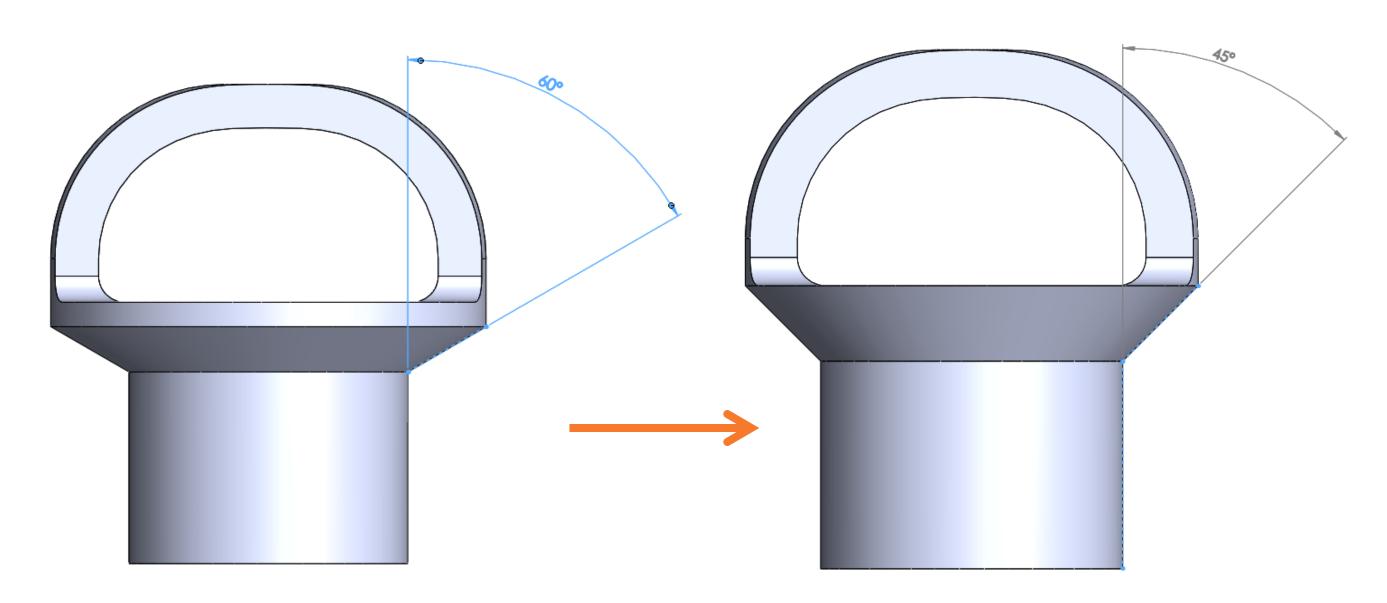






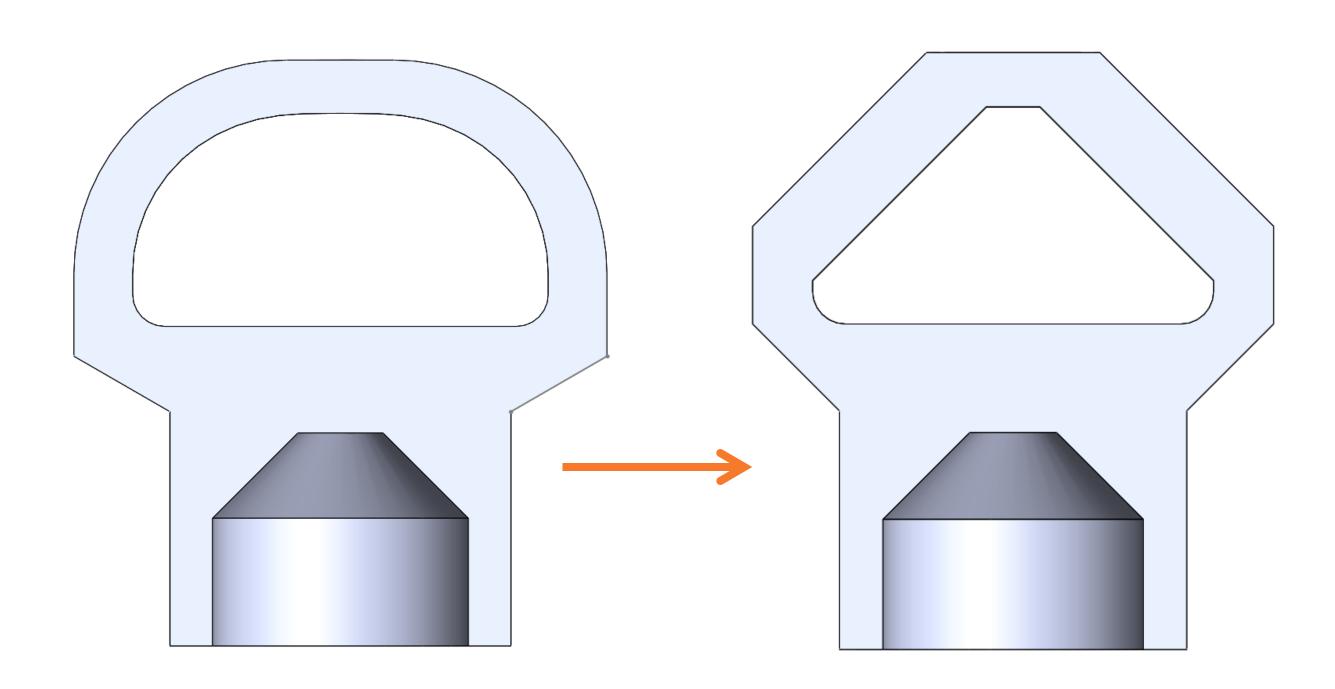






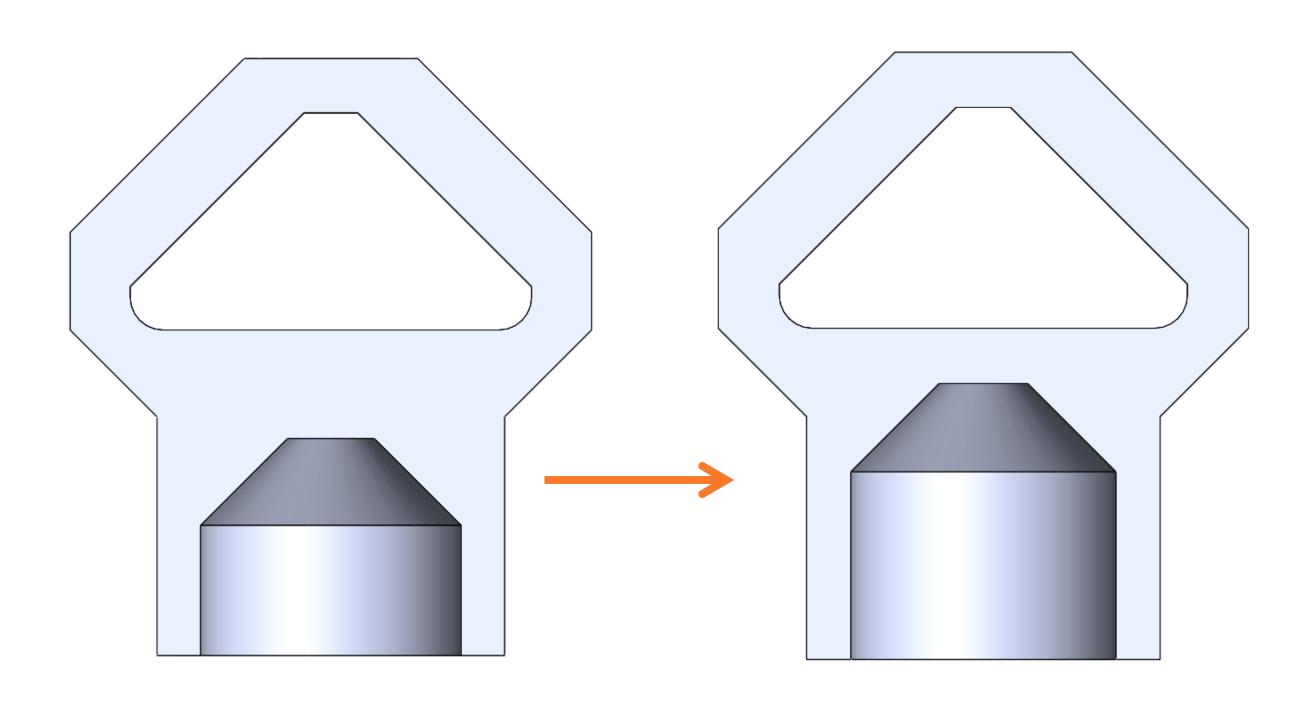






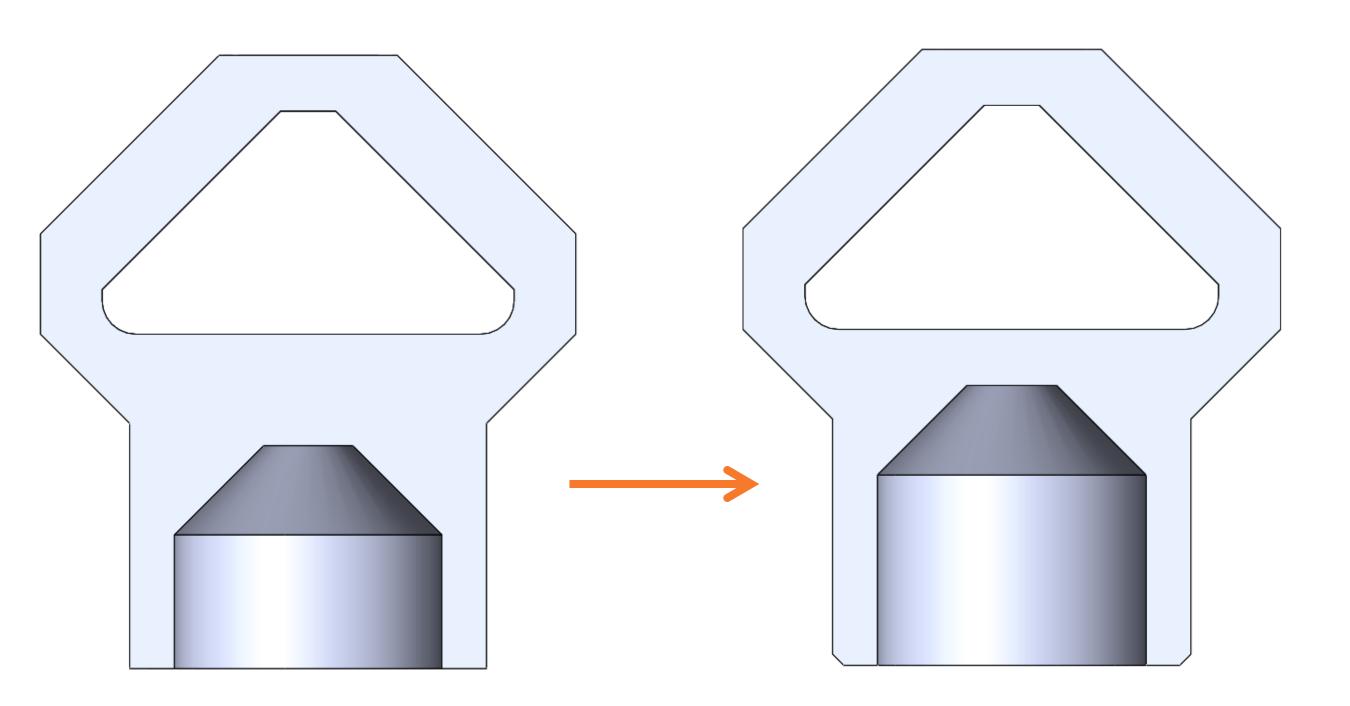






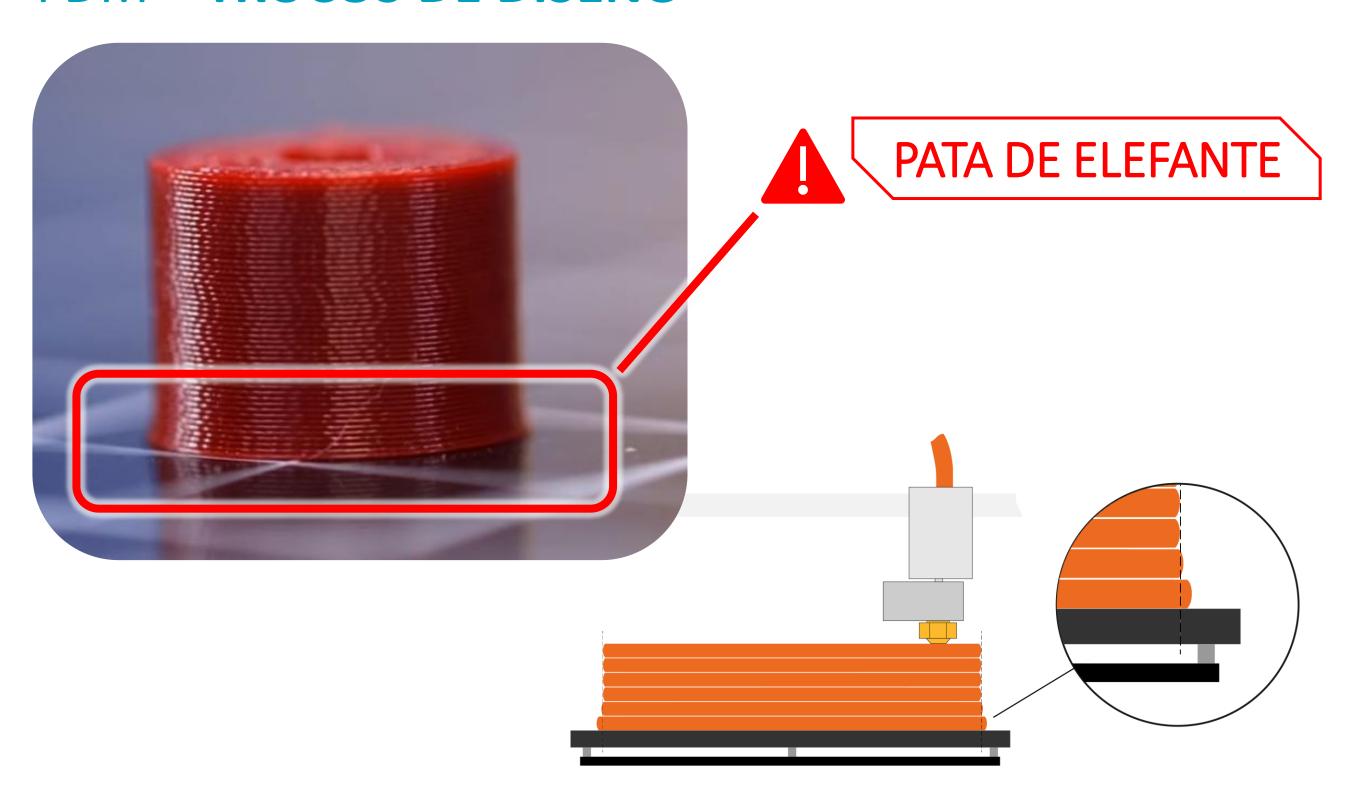






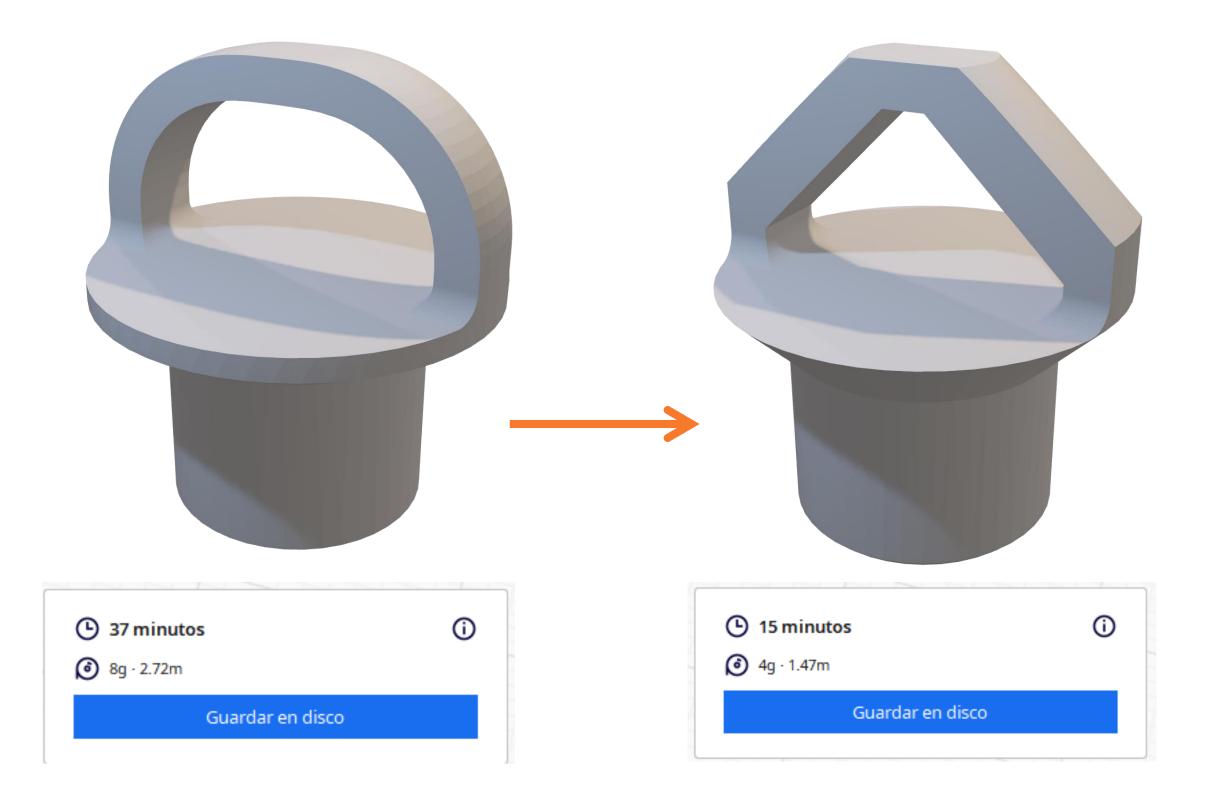






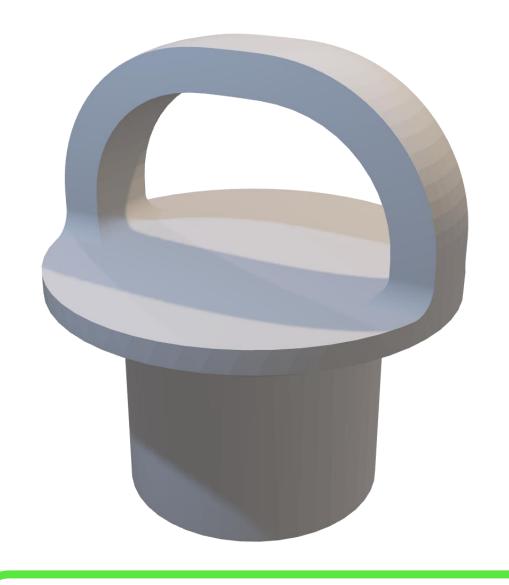


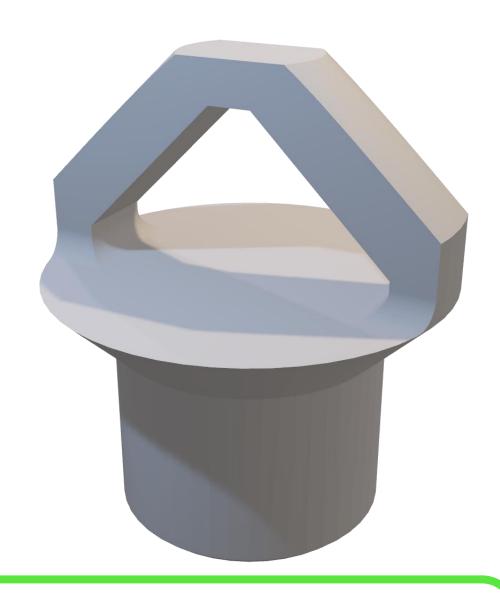












100 piezas ≈ 37 horas menos

(+ Tiempo de post-procesado)