

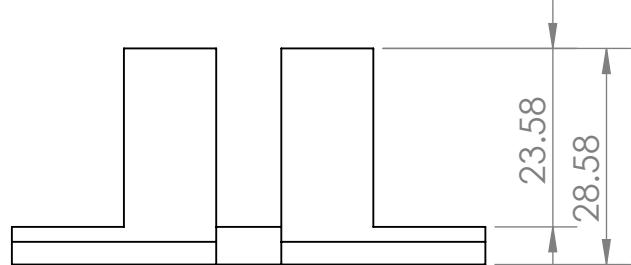
4

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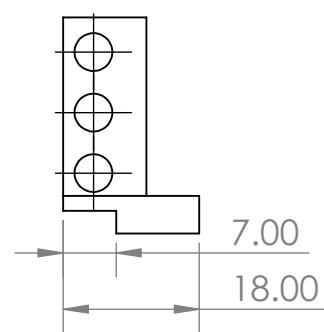
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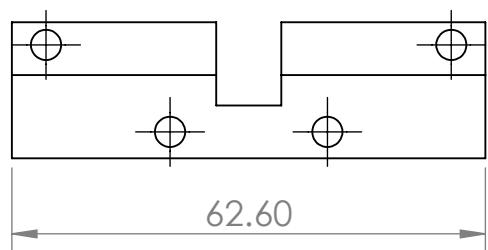
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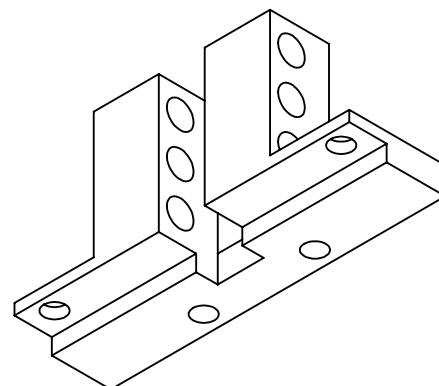
E



D



C



B

A

## 3D PRINTING PARAMETERS

PARAMETER	TYPICAL VALUE	DESCRIPTION
LAYER HEIGHT	0.20 mm	Vertical resolution per layer.
WALL THICKNESS	1.2 mm (~3 walls)	Number of perimeter walls.
INFILL DENSITY	15-35 %	Internal structure fill percentage.
PRINTING SPEED	~60 mm/s (standard)	Linear print speed of nozzle.
NOZZLE TEMPERATURE	210-220 °C (PLA)	Extruder temperature.
BED TEMPERATURE	60 °C (PLA)	Heated bed temperature.
COOLING FAN SPEED	100 %	Improves surface finish and overhangs.
SUPPORTS	Enabled	Optional for overhangs.
ADHESION TYPE	None	No special adhesion; PEI textured plate.

CREATED BY

RULOBOT TEAM 08/06/2025

APPROVED BY

WILMER DE JESÚS REYES 08/12/2025

DOCUMENT NAME

RULOBOT\_ASSEMBLY

EVENT

WRO SINGAPORE INTERNATIONAL FINAL

MATERIAL

PLA

TITLE

REV

DATE OF ISSUE

SHEET

REV1

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