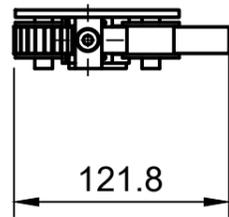
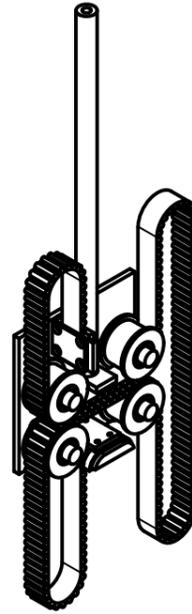
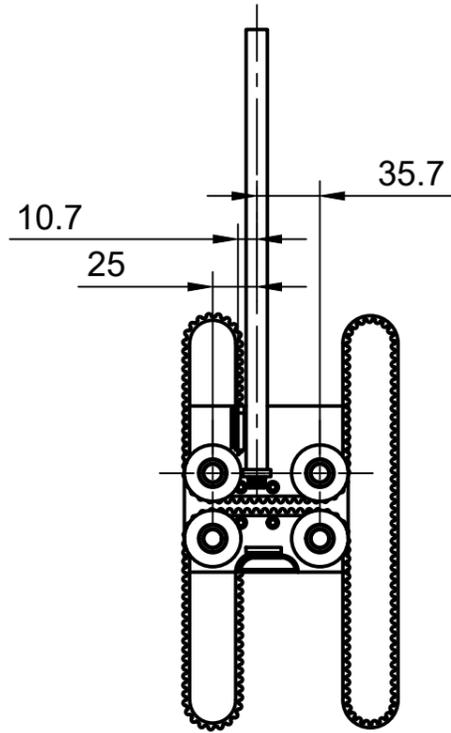


Tension force can be balanced in X axis by controlling the offset of the two pulleys with 90° belt wrap



Overall width. I'll be adding a a belt guard laterbut it will remain ~5". Adding a pair of idler pulleys may allow this to be reduced a little further on the right hand side.
Note: Motor will extended beyond this.

Tension forces are balanced in Y axis by aligning the shaft with the centre of the belt line

Dept.	Technical reference	Created by Jake Hawkins 2022-01-06	Approved by
		Document type	Document status
		Title Actuator Design	DWG No.
Rev.	Date of issue	Sheet	1/1