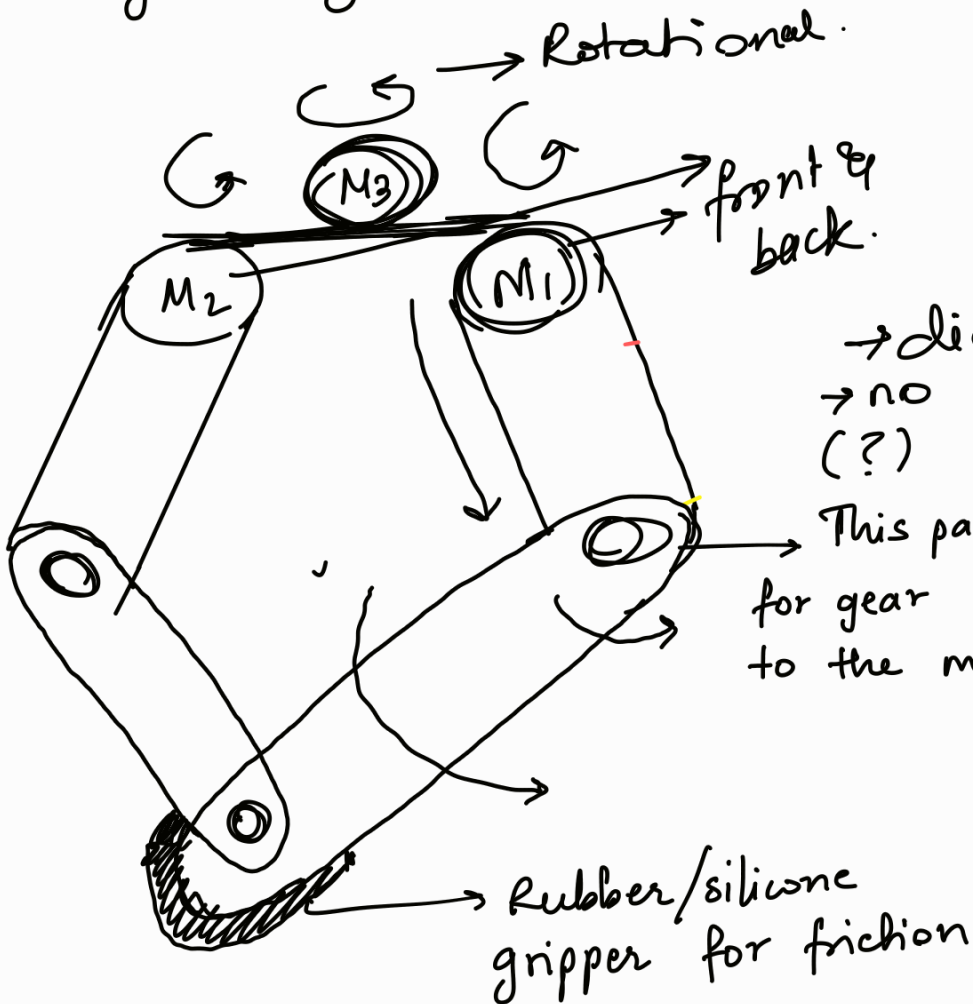


Diagonal gait pattern. i.e.

A B

C D.

then A & D move together & C & D move together.



→ direct 3 actuators  
→ no belt required.  
(?)

This part could be a place for gear box. which is connected to the main BLDC via a belt.

Dimensions.

Wt of BLDC → 62gm.

$Z = F \times r$

No idea!?

## Advantages.

- actuator installed in the torso.  
(protects the actuator & reduces the inertia on legs.)
- better accuracy.

## Drawbacks.

- would be slow
- 

## Materials.

Metal - Steel / Aluminium	
→ rusts easily	→ doesn't rust easily.
→ heavier	→ lighter
→ cheaper	→ non-magnetic.
→ magnetic	
⇒ Aluminium.	

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## Doubts. / Confusion.

- ① It isn't 3DOF
- ② Its crawling not really walking, so won't be nice on rough surfaces.
- ③ Restriction at joints cause it is connected parallelly.

