

B. The intake device is too high, which will cause the lose of Triball in confrontation.

We add a rope on the Intake part to limit its position. When the roller raised to a certain height, the rope will hold it.

## 1/11 Diary 4.2 Structure - Chassis

In the competition, we gradually confirm that in this season, the most important thing is handling the Triball as quickly as possible. Catapult device is great, but the opponent can ward off it, and it may cost more time to push them into the Goal. Based on this, we still use the "Passage Pushing" strategy. When we are in the position of defending, we need to handle the Triball in the field. To have a higher efficiency, we need to increase the speed of Chassis

In our last version, the ratio is  $\frac{36}{84}$

$$84 : 36 : 24 : 36 : 24 : 36 : 84$$

Now we turn it to  $\frac{48}{84}$

$$84 : 48 : 48 : 48 : 84$$

$$\Rightarrow 600 \frac{\text{rev}}{\text{min}} \times \frac{48 \text{ teeth}}{84 \text{ teeth}} = 342.857 \frac{\text{rev}}{\text{min}}$$

project V4

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