

## KRAB 84.09 (T) – TOWING HIRAIL VERSION

This version of the Krab 84.09(T) has been designed around user requirements for towing with a hirail vehicle, improving machine efficiency and safety.

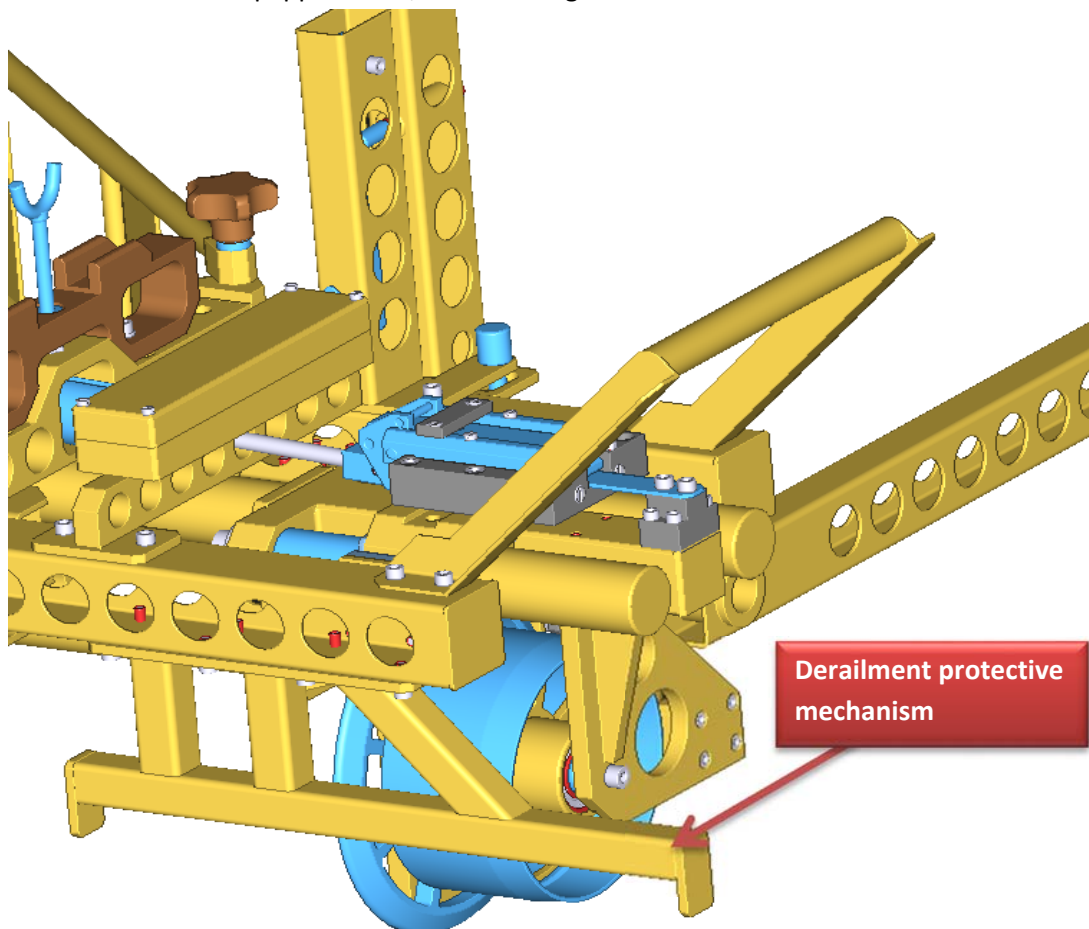
It consists of the following improved elements:

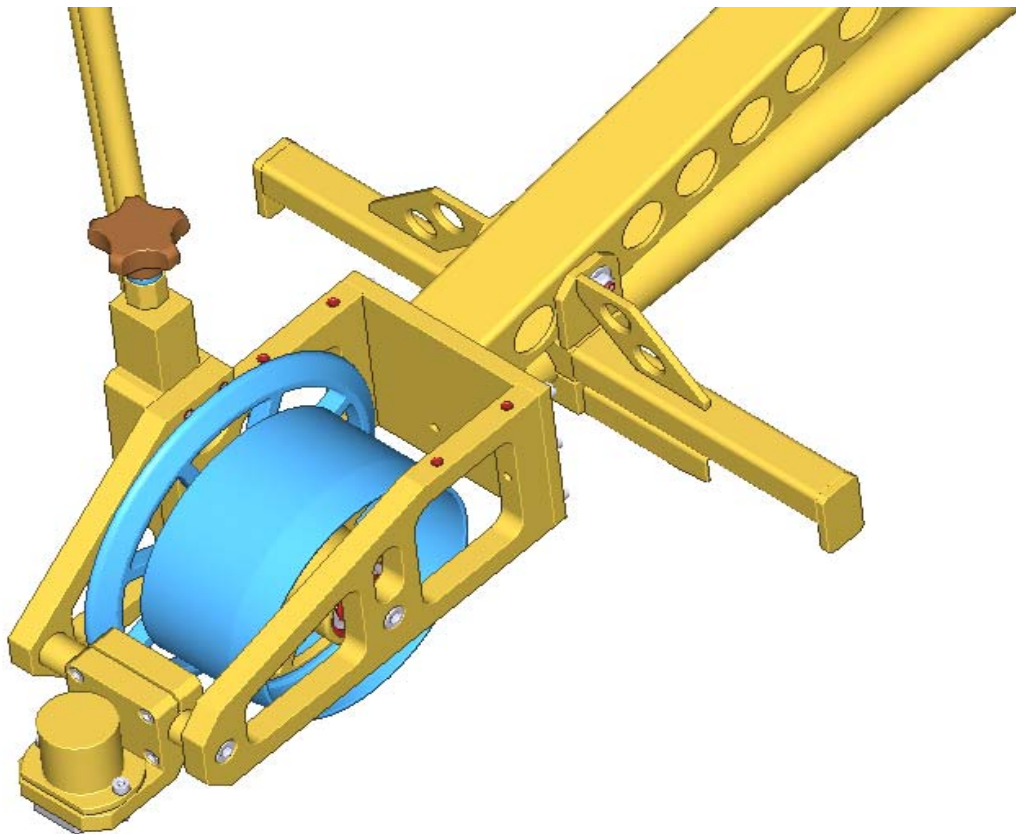
### 1. Krab wheels

- The diameter of the wheels is increased to 180mm which improves the trolley performance through switches, track joints and irregularities in running surface.
- The risk of derailment is reduced by the larger wheel size as well as the enhanced construction with a minimal friction at bearings.

### 2. Derailment protective mechanism

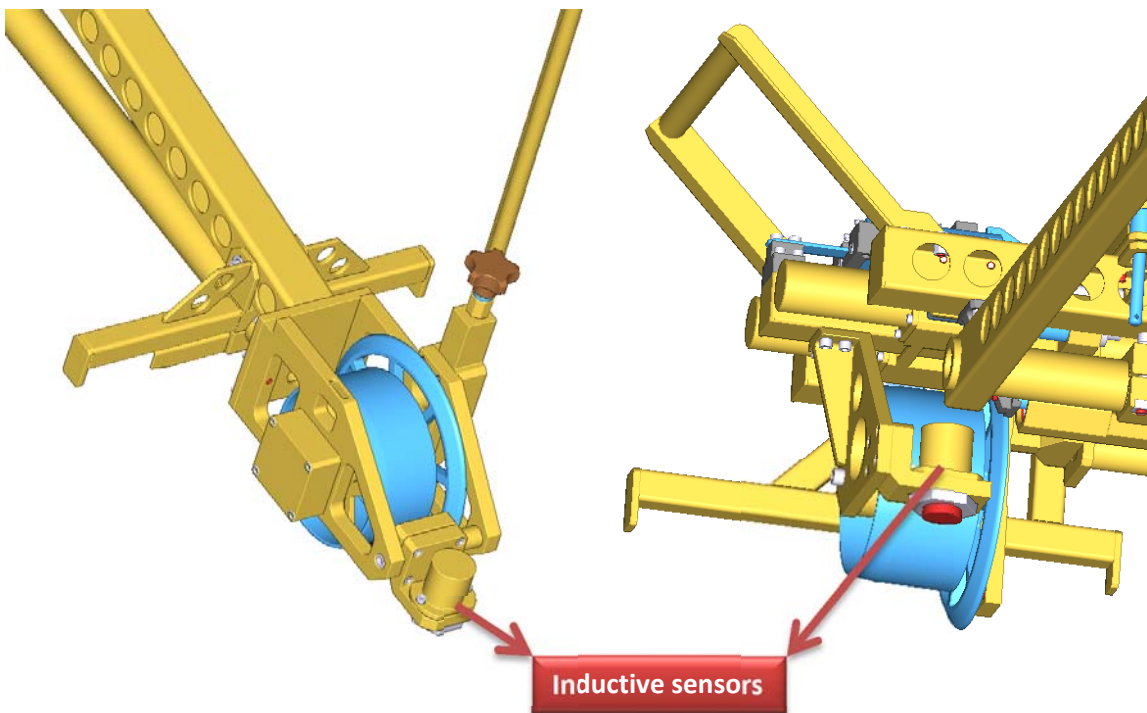
- In the event of derailment the protective mechanisms located adjacent to each wheel, when aligned laterally with the rail head acts as a catch bar that skids along the top of the rail head preventing the Krab wheels from contacting the sleepers and ballast protecting the Krab from damage.
- This mechanism is equipped front, rear and single wheel of the Krab.





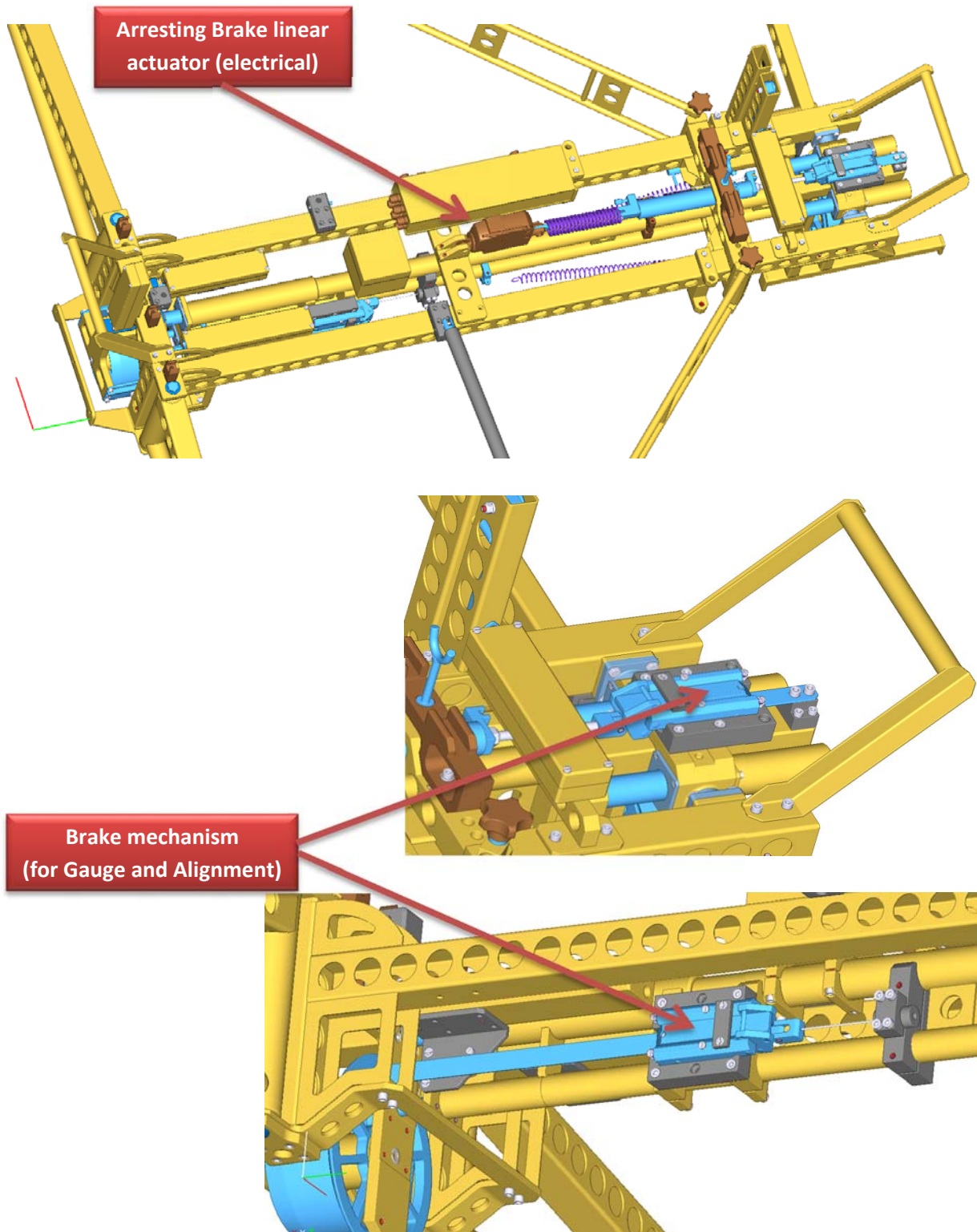
### 3. Inductive sensors

- Inductive sensors detects whether the Krab wheels are correctly positioned and in contact with the rail head.
- In the event of a wheel separating from the rail head the alarm will be activated.
- The alarm equipment will be placed in the driver's cabin of the towing vehicle.

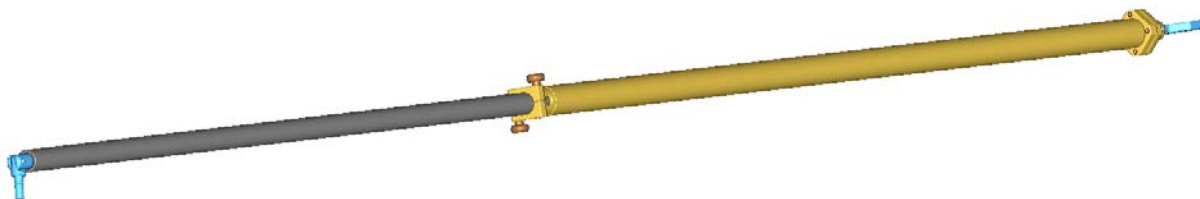


4. Remote electrical control of the Krab arresting system

- The Krab arresting brakes are operated from the hirail cabin.
- When the Krab passes the frog, operator activates the brakes remotely.
- The activation of the electrical brakes reduce the trolley gauge (moves the gauge wheel 3mm to negative) and alignment (moves the alignment wheel 3mm inside), to makes the passing of the frog easier. This measure reduces the risk of derailment at the frog and eliminates the requirement for the vehicle to stop and an operator to manually apply the arrest brake.



5. Telescopic tow bar
  - Practical compact tow bar.



## Complete Krab - Towing Hirail version

Technical data:

- Weight: 85kg
- Trolley power source: 14.4V / 6.5Ah Li-ION battery
- Operating time: 10h when the battery is fully charged
- Maximum operating speed: 25km/h
- Foldable construction: Yes
- Trolley body material: Steel
- Wheels material: Hardened, grinded steel covered by hard chromium surface

