

## Large Diameter Swing Rack Dragline Services

### Summary

The large diameter swing rack is comprised of multiple forged rack segments mounted to thick flange plates anchored between the tub top plate and the lower rail.

### Description

P&H 9000C-series dragline swing racks feature forged rims characterized by fine-grain, fully "killed" steel (completely deoxidized for a high degree of chemical homogeneity).

The forgings are inclusion shape controlled after deoxidation to obtain deformation resistance and increase transverse ductility.

Each forged rack segment is fabricated to a thick milled steel flange plate that is anchored between the tub top plate and the revolving frame lower rail. The flange is centered on the rim to directly counter the pinion force, which minimizes tooth deflection and maintains optimum tooth contact under load.

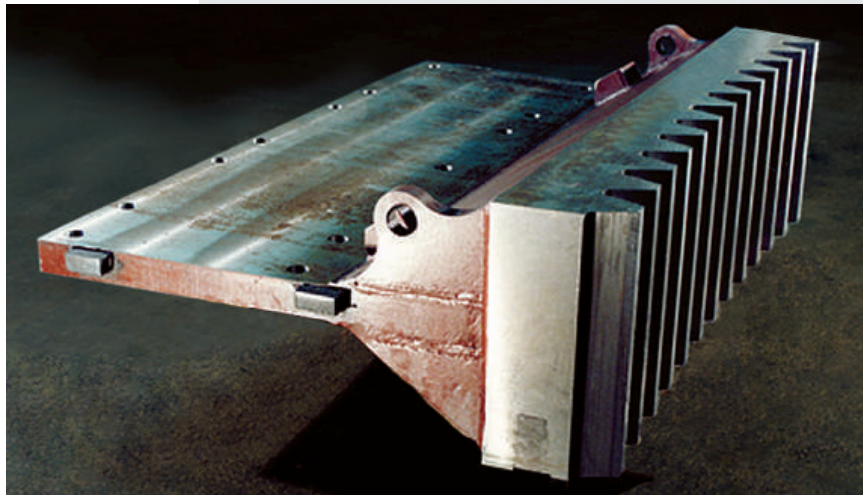
With its large diameter, the swing rack assembly provides added support for the lower rails, reduces rack and pinion loads, and lowers structural loading on the tub.

### Benefits

- Optimizes load sharing between swing rack teeth and swing pinions, increasing component life
- Reduces structural loading on the tub
- Center mounted rack segment flange minimizes tooth deflection
- Internal ring gear design to provide for stronger tooth form and added protection

### Product application

P&H walking draglines



High quality large diameter swing rack provides long service life under severe operating conditions.

For more information, contact a local Komatsu Mining Corp. representative or visit [mining.komatsu](http://mining.komatsu)

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