

## Fleeting Sheave Rope Guide Upgrade

Hoist ropes flex or “bounce” repeatedly as the dipper is hoisted and lowered. This flexing occurs between the hoist drum and boom point and can contribute to shortened rope life. Impacts with roller-type rope guides can also contribute to shortened rope life. A fleeting sheave rope guide is available to help limit hoist rope flexing during dipper hoisting and lowering.



### Summary

The fleeting sheave rope guide mounts to the top of the boom. Dual steel sheaves channel and maintain contact with the hoist ropes as they travel between the hoist drum and boom point sheaves.

In multiple studies, this system eliminated the failure mode of rope breakage between the hoist drum and boom point. Actual results may vary by application and operator practices.

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

### Key features and benefits

Superior rope management – Protects adjacent systems on the boom / catwalks / handrails and house, by managing rope deflection and reducing rope-whip.

Safety – Controls unwanted rope movement. Further protects the hoist rope.

### Optional equipment on new models:

This upgrade is an option on new 4100XPC AC, 4100C BOSS AC, 4100 BOSS

### Retrofits

4100XPB, 4100XPC AC and 4100XPC DC

### Installation requirements

Estimate only: Estimated 16 hours downtime, a crane to support the lifting, and one welder with standard welding equipment.



### Operating costs

We recommend a service check every 20,000 hours, potentially changing out the sheaves and/or bushings as well as making needed structural repairs to the mounting bracket.

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