

# Metso

MP XM Series crusher upgrades

## Split tramp cylinder nut



The Split tramp cylinder nuts are available for any Nordberg™ MP or HP 800 size machine or larger.

Metso's new Split tramp cylinder nut simplifies maintenance on your tramp release system, removing the risk of hardware seizing on cylinder rods.

### Challenges

In harsh mining environments, tramp nuts can seize on the rod due to corrosion, preventing crews from being able to remove tramp cylinders. This requires the nut or rod to be cut to get damaged tramp cylinders off the crusher in many cases, which potentially causes easily repairable tramp cylinders to be scrapped and exposing your maintenance crew to the risk of using cutting tools in the field.

### What it is

The Split tramp nut provides a simple solution to removing your tramp nuts without having to damage your tramp cylinders. The design splits the nut in two, with the nuts held together with two socket head cap screws. This allows the nut to act as a traditional single piece design, but still be removable, preventing environmental conditions from locking the nut in place and preventing damage to tramp cylinder shafts.

### How it helps

#### Maximize production

The Split tramp nut is designed to simplify maintenance at your operation and improve your operational efficiency. By preventing slowdowns from corroded nuts, your maintenance crews can get your crusher back up and running faster and safer, as well as without having the potential to damage good tramp cylinders.

#### Improved safety

By adding the use of the Split tramp nut to your Nordberg™ MP Series crusher, safety for your maintenance team is improved. No matter the environmental conditions, the tramp cylinder can be separated from the nut. Maintenance crews no longer have to use grinders or torches to cut off nuts that have corroded in place. The manual intervention is removed by using the Split Tramp Nut and prevents any potential for accidents while using these tools.



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