

# Metso

Superior™ gyratory crusher upgrades

## Super spider



The Super spider has been developed for 4265, 5475, and 6089 size Superior™ gyratory crushers.

Metso has designed the Super spider to increase the feed opening on your crusher, improving flow of feed materials and increased production capacity.

### Challenges

Difficult or excessive sized ores fed into your primary crusher can cause bridging events, forcing you to intervene with the rock hammer to clear the crushing cavity and causing bottlenecks at the primary crushing stage. In addition, older generation Gyratory equipment may need productivity updates, but a new crusher may be out of the capital budget at your mine site.

### What it is

Metso has developed the Super spider upgrade to allow even greater reduction in bridging while allowing for further processing increases without paying for the cost of a new crusher. The Super spider increases the feed even more than an Arched spider by adding an additional topshell ring, taller mainshaft and new enlarged spider to increase the size of the feed opening of your crusher. At about half the cost of purchasing a new machine, the super spider package provides a cost effective option to increase uptime and throughput at your primary crusher.

### How it helps

#### Increased production

The Super spider upgrade allows you to effectively invest in the location that has the most impact on your crushing process, expanding your ability to process rock at the first stage in crushing.

#### Safety

The Super spider helps further prevent bridging events from occurring at your mine site, reducing the need for your operator and maintenance teams to have to stop the production process to clear the machine with the rock breaker.

#### Environmental

When making the change to the Super spider, there is minimal changes needed to the current Gyratory station to use the upgrade, with only the dump pocket needing to be changed. Compared to a full machine changeout, this uses less resources and allows minimal changes to your process at site, helping the upgrade meet your environmental targets.



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