

# Metso

Superior™ gyratory crusher upgrades

## Arched spider



The Arched spider has been developed for all sizes of Superior™ gyratory crushers.

Metso has designed the Arched spider with enhanced geometry, allowing feed materials to easily flow through your Superior™ crusher.

### 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 impacting productivity at the primary plant.

### What it is

Metso has created the Arched spider upgrade to help increase your primary crusher's productivity. Available for all Superior™ gyratory crusher models, the Arched spider increases the amount of available area for material to pass through your Gyratory crusher. Changing the geometry of the spider feed opening allows for more production while avoiding the capital expenditure of purchasing new and larger machines. The Arched spider can be fit to your original machine structure as it mounts in the same locations as the original flat arm design. The package is composed of the Arched spider, arm liners, rim liners, spider cap and all retention hardware.

### How it helps

#### Production Increases

Given the need for increased volumes of material processing to yield expected production, getting the maximum amount of performance out of your existing equipment is paramount. The Arched spider helps prevent unexpected downtime due to bridging, leading to more crusher availability and more tonnage per hour through your plant. A production increase of up to 14% depending on machine size can be expected when upgrading to the Arched spider design.

#### Safety

Everytime a bridging event happens, your staff must clear the bridged material, leading to potential safety risks and exposure. The Arched spider provides your maintenance crew with a safer work environment by reducing the amount of intervention needed from your team, which decreases the potential for an accident.



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