

Crusher wear parts

Orange Series RC Rotor

Application

Barmac B Series VSI crushers



Minimize maintenance work with a solution that will increase uptime and facilitate faster and easier change-outs.

Read more at:

 metso.com/ImpactCrusherWears

Counting on uptime

Finding ways to keep your crushing operation up and running for longer periods is important in a business where reducing the cost-per-tonne is crucial.

The rotor is a vital part of a VSI crusher. Not only does it need to be designed to achieve high throughput and uptime, it must also ensure safe operation.

Long wear life

Metso's Barmac VSI Orange Series Rotor has been developed to improve uptime through long wear life and quick change-outs of parts.

The primary components of the Orange Series Rotor improve wear life by up to 40%, thanks to a wear-resistant material, a unique design and the ability to easily interchange parts. The cavity wear plates are versatile, meaning that they can be rotated, fitted in position and all the different faces fully worn, resulting in a much longer wear life.

Faster and safer maintenance

Most of the wear parts can be changed through the service door, minimizing heavy lifting, speeding up the change-out time, and improving safety. Replacement of the tips as well as the cavity wear plates is carried out using a retaining bar that fixes the parts in place, eliminating the need for bolts. The rotor's unique cam-lock fixing method allows the upper and lower wear plates to be removed quickly and efficiently through the service door.

Fewer parts and no welding

Maintenance can be carried out faster and easier since the total number of components has been reduced by 25% compared to a standard rotor. This has been achieved by integrating multiple components and using fewer fixing points, almost eliminating the use of bolts. In addition, no more costly welding repairs are required, which further reduces downtime and improves safety.

Altogether, the time savings are significant. With the Orange Series Rotor, your wear parts can be changed up to 80% faster.

Benefits

- Longer wear life
- Faster change-outs
- Safer maintenance
- Minimized number of components
- Lower cost-per-tonne

AB Krossekonomi, Sweden

Faster and easier maintenance without any surprises

Planning maintenance can be a real challenge, especially for companies that also perform mobile crushing. If a wear part gets stuck and the right tools are not available, time quickly vanishes and production is put at risk.

Challenge

- To plan and perform maintenance efficiently. The crusher needs to be up and running and the maintenance kept to a minimum in order to secure production

Solution

- Metso's Orange Series Rotor installed in a Barmac crusher

Results

- Maintenance time reduced by 50%
- Minimized risk of complications
- No need for special or power tools
- Increased safety and improved working environment

"We used to take the rotor apart more often and had to weld some parts. At the same rate that the design has improved, my job has become easier and my work environment has improved"

Christer Bodell
Crusher Operator

