

Cone crushers
Nordberg® HP5™



Tailored
performance!





Nordberg® HP5 cone crusher

Tailored performance!

Metso designed the HP5 with safety, simplicity and eco-efficiency in mind. Automatic settings, specialized maintenance tools, reduced emissions and energy-efficient motors are just a few of the improvements built into Metso's new cone crusher.

Highest performance

The HP5 follows the successful HP3, HP4 and HP6 as the fourth model in all-new range of high-performance cone crushers. These new cone crushers enable you to produce much finer products using fewer crushing stages, thereby lowering your capital and energy costs. With a combination of optimized speed and a large throw, the HP5 provides the highest reduction ratios of any cone crusher on the market today.

Due to its highly efficient crushing action, the HP5 delivers maximum power utilization per cone diameter, so you save both with lower energy consumption per ton of end product and with a lower recirculation load. A higher cavity density improves interparticle crushing action for end products with more consistent gradation and superior shape.

Less downtime and easy maintainance

An advanced fastening system for the mantle and bowl liner eliminates the need for backing material, and makes liner changes faster. Thicker liners mean more material to wear. The HP5 cone crusher is also easy to disassemble : all components are accessible from the top or side. The bowl and head are easily and safely removed with no interference.

Energy efficient

In addition to being fitted with the latest in high-efficiency motors, HP5 generation crushers boast a higher output of finished product using the same amount of power.

The result is improved overall efficiency (less power consumed, more yield), and, as a bonus, lower carbon dioxide emissions, making these HP5 cone crushers the most environmentally friendly crushers on the market.

Benefits

- Performance
- Reliability
- Energy efficient
- Less downtime
- Easy to maintain

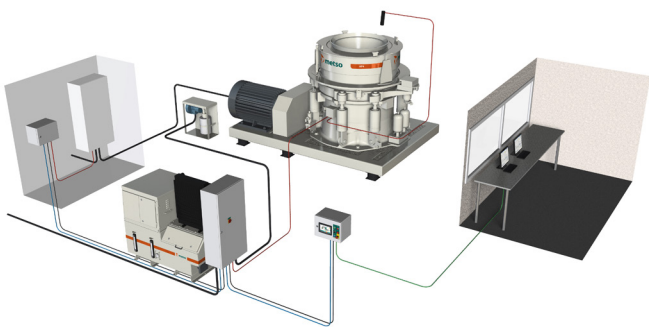
HP5 Technical features

No lead counterweight
• Ecological conception, environmental
No backing compound
• Ecological conception, environmental
• Reduce maintenance downtime 30%
Thicker liner
• Frequency of maintenance reduced
Hydraulic belts tensioning
• Health and safety maintenance tool
Head lifting tool & head tightening tool
• Health and safety maintenance tool
Lifting points repositioning
• Safety
IC70C
• Safe use of the crusher within factory parameters, while optimizing production
IE3 motors
• Highest efficiency

Technical information
• Nominal feed opening : 317 mm (12.46")
• Minimum setting : 8mm (0.31")
• Maximum power : 370 kW (500 hp)
• Complete crusher weight : 29,000 kg (64,000 lb)



Metso IC70C crusher automation



Easy integration to any plant automation system is one of the benefits of Metso IC70C



IC70C control panel

Metso IC70C automation ensures complete performance and is precisely designed to meet your expectations and crushing plant requirements for consistent production, safety and easy control of crusher parameters.

The IC70C automation system brings precision and consistency to your crusher operations. This leads to predictable and stable production and end-product quality, ensuring profitable operation of both the crusher and the entire crushing plant. With optimized start-up and shut-down procedures and sequences integrated into the IC automation system, you can be sure that the crusher is working correctly in all circumstances and that crusher downtime is minimized.

Metso IC70C automation allows you to maximize the performance of your high-quality Metso crushers. This is done with carefully defined safety parameters for oil temperature, power draw and oil pressure, which are indicators of the actual crusher load. Metso IC70C automation monitors the crusher condition and gives an early indication if there's a problem. This can help solve a problem before it becomes serious and costly.



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