

Metso

Cone crusher

Nordberg® HP800e™



Application

The Nordberg® HP800e™ cone crusher delivers a new size in the high capacity HPe range while including benefits to streamline installation and drive additional improvement in operations.

With over 13,000 units sold, the Metso Nordberg® HP Series™ cone crushers are well known throughout the mining and aggregate industries. The HP800e offers a slightly smaller crusher option than the HP900e, still built and based on class leading proven technology.

Quick installation

The HP800e™ is simple to integrate and install into any greenfield or brownfield plant. The drive system is pre-assembled and does not require any on-site construction.

It also comes pre-wired with our integrated automation system, which minimizes the adjustments and set-up usually needed before commissioning the crusher. All HP800e crushers are factory tested before arriving on site, eliminating unnecessary downtime.

Cost efficiency

The Nordberg® HP800e cone crusher delivers high capacity while including benefits to streamline installation and drive additional improvements in operations.

The crusher's best in class reliability comes from robust and proven components. Our specialized, thick liners increase component lifetime by up to 75%*. Additionally, Metso wear parts can be replaced in 2 hours compared to 8 hours for other cone crushers. Overall, our robust machine creates a longer lifetime, less downtime and better cost efficiency.

**Read more at: [metso.com/
portfolio/nordberg-hpe-
series/nordberg-hp800e-
cone-crusher](https://metso.com/portfolio/nordberg-hpe-series/nordberg-hp800e-cone-crusher)**

Maximum performance

Our HP800e cone crusher comes with aggressive stroke and raised pivot point resulting in up to 15% increased capacity and up to 35% higher crushing force compared to equivalent cone crushers in its class.

The HP800e is equipped with a 360 degree feeding area. This combined with the improved kinematics will greatly reduce bridging and allow for better top size acceptance.

Benefits

- 2 hour maintenance downtime
- Tuneable to achieve up to 25% more fines production*
- Up to 15% higher capacity*
- Up to 35% higher crushing force*
- Up to 70% reduced dynamic load

*compared to equivalent cone crushers in its class

Nordberg® HP800e™ – Building on heritage

A new size for the high capacity HPe series technology, the HP800e is built for reliability and performance

Providing modern automation
for optimal results

Production increase

- Control crusher parameters in real-time
- Automated setting adjustment
- Power optimization control

Machine protection

- Integrated crusher protection for overloading and tramp material
- Alarm and parameter logs
- Maintenance activities
- Validated protection logic avoiding costly mistakes
- Equipment interlocking

Two choices of automation platform

IC70C

- Straightforward
- Robust hardware
- Off-the-shelf serial product
- Easy integration

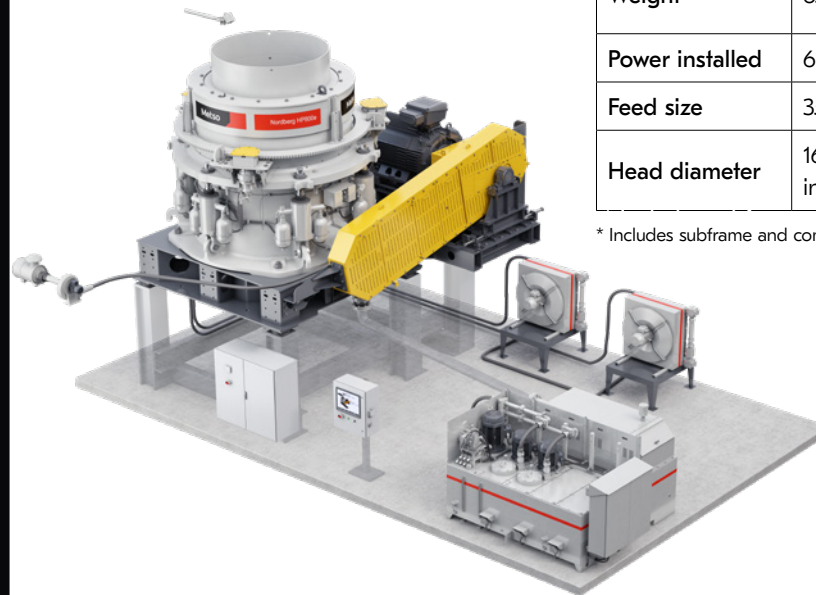
MCP

- Flexible remote access
- Robust infrastructure
- Cutting-edge troubleshooting tool
- Advanced integration

Technical specifications

Weight*	65,500 kg (144,400 lbs)
Power installed	600 kW (800 hp)
Feed size	356 mm (14 inches)
Head diameter	1650 mm (5 feet 5 inches)

* Includes subframe and complete drive



Have more
questions
about the
Nordberg®
HP800e?

Contact us!

CSS	50 mm		38 mm		25 mm		19 mm		13 mm	
Capacity (mtph)	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
Typical ore	740	1240	575	995	480	770	405	535	305	425
Dense ore	1030	1720	800	1380	600	1070	480	745	365	585

Metso

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Partner for positive change