

Metso

MP Series™ Cone Crushers

Highest crushing force on the market



MP Series Cone Crushers

Higher productivity with higher savings

Well known throughout the world, Metso's MP Series cone crushers outperform the competition using robust components and superior crushing ability designed into every machine.

MP stands for maximum power

Metso's MP Series cone crushers are well known throughout the world as having superior crushing ability. Delivering up to twice the capacity per crushing station compared to competitors, and processing more ore than any other competitive unit at the same reduction ratio or product size, this results in a higher throughput.

While having such high production there are substantial savings to be had. MP crushers incorporate hydraulic cavity clearing and easy setting adjustment for minimizing downtime.

The ruggedness in design has been proven to be reliable in operations. The crusher's rotating bowl compensates for feed segregation and uneven feed rates.

Even wear in the crushing cavity avoids localized restriction of the feed opening and achieves consistent size reduction results.



Applications

- Secondary and tertiary crushing for feeding grinding mills
- HPGR's and leach pads
- Critical-size material crushing to achieve optimum autogenous or semi-autogenous mill productivity (i.e. pebble crushing)
- Special secondary crushing for high reduction ratio
- Autogenous or semi-autogenous pre-crushing



Innovative design
leads to lower costs



Highest crushing force of any cone
crushers of similar size



Simplified maintenance with
automated bowl positioning &
modular component replacement



Up to 2 times as much
crushing capacity



Wide range of
models available



Why choose MP Series Cone Crushers?

A track record of success

These cone crushers providing a higher throughput, while efficient use of the energy consumption of the crusher, makes the entire mining operation more profitable.



Consistency

Hydraulic controls allow the crushers to hold a constant setting while achieving unusually high reductions. A rotating bowl provides even wear in the crushing cavity while enabling crusher setting uniformity and consistent size reduction. The automatic tramp release passes tramp material without stalling the crusher, permitting an uninterrupted return to the production setting.

High availability

The fully automated hydraulic tramp release passes uncrushables without interruption. The release system maintains the crushing force and automatically returns the crusher to its production setting after a tramp event. A more reliable automated tramp release is not found on any other crusher.

Adaptability

The MP Series is designed to operate at various speed and cavity combinations to meet a wide range of application requirements. The crusher's large unrestricted feed opening with a high pivot point can adapt to increasing feed size and even wear in the crushing cavity, which avoids localized restriction of the opening, achieving consistent size reduction results.

XM Series

Enhance crushing performance with the Metso XM Series, a highly advanced solution, that combines intelligence, durability and lifetime value with a new digital package, resilient engineering and unmatched warranties. The Nordberg® MP cone crushers, have been elevated with the XM Series to offer the most extreme duty parts increasing lifetime and improving maintenance time and safety.

Mineral Crusher Pilot automation (MCP)

Optimize crushing processes in mining operations with Metso's MCP automation. By seamlessly integrating advanced digital technologies, MCP empowers operators, enhances safety and improves overall efficiency.

A world leader will add what you need to your operation

MP Series cone crushers are an industry leader in cone crushing technology



Installed base of over
400 machines and
complete plants



Highest production
when compared to
competition



Decades of
experience in
design and
manufacturing
cone crushers

Product Range

Metso has an extensive range of MP Series cone crushers to meet the needs of your operation. The MP Series cone crushers will be able to accommodate your range of capacity needs.

Crusher capacities

mtph	CSS = 63 mm		CSS = 50 mm		CSS = 38 mm		CSS = 25 mm		CSS = 19 mm		CSS = 13 mm		Crusher weight (kgs)
	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	
MP800	1705	2190	1460	1935	1100	1400	735	980	575	720	495	585	120,570
MP1000	2130	2920	1830	2420	1375	1750	915	1210	720	900	615	730	153,124
MP1250	2660	3645	2290	3025	1720	2190	1145	1510	900	1125	770	915	153,985
MP3000	5000	7000	4305	5810	3235	4205	2155	2900	1695	2160	-	-	450,000
stph	CSS = 2 1/2 in		CSS = 2 in		CSS = 1 1/2 in		CSS = 1 in		CSS = 3/4 in		CSS = 1/2 in		Crusher weight (lbs)
	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	
MP800	1880	2415	1610	2135	1215	1545	810	1080	635	795	545	645	265,850
MP1000	2350	3220	2015	2670	1515	1930	1010	1335	795	990	680	805	337,604
MP1250	2930	4020	2525	3335	1895	2415	1260	1665	990	1240	850	1010	339,479
MP3000	5510	7715	4745	6405	3565	4635	2375	3195	1870	2380	-	-	992,080

This table shows crusher capacities for each MP Series cone crusher model. The closed side setting (CSS) is measured in millimeters (mm) and inches (in), while the values in the boxes underneath are in metric tons per hour (mtph) and short tons per hour (stph).



Crusher parts and services



Comprehensive services network
and aftermarket parts available



Get the most out of your crushing circuit. Whether you are looking to minimize downtime, increase capacity, lower your cost per ton, or meet specific size-reduction requirements - Metso can support you.

Metso is a frontrunner in providing sustainable technologies, end-to-end solutions and services for the aggregates, minerals processing and metals refining industries globally. By helping our customers increase their productivity, improve their energy and water efficiency and environmental performance with our process and product expertise, we are the **partner for positive change**.

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