

Metso:Outotec

Primary gyratory crusher

Superior™ MKIII 6275UG



Primary gyratory crushers are used in a variety of applications including underground and above ground. Find a flexible design for superior results with the Metso Outotec Superior™ MKIII 6275UG.

The Metso Outotec Superior™ MKIII 6275UG primary gyratory crusher combines proven advantages with a compact design and flexible configurations to provide superior results for underground and above ground applications.

Large top size acceptance

The 6275UG has an arched-spider design that helps to minimize bridging. This optimal design also eliminates the need for an oversized grizzly or grid.

The large feed opening enables a 15% larger top size acceptance than comparable size crushers in the mining industry. This increase in top size acceptance pairs with a feed opening area that is up to 3 times larger than other compact primary crushers.

Reduced construction height

Every meter counts for CAPEX and construction. The 6275UG is a compact crusher, so less space is required for both installation and operation. This provides up to a 20% CAPEX savings.

The 6275UG will also create a shorter feeding point to the crusher and multiple feeding point options. Metso Outotec also has the advanced controls to help reduce vault height eliminating CAPEX.

Flexible configurations

The 6275UG is available with multiple shell and spider configurations. All are designed with compact components and a wide range of transportation and dismantle options. This leads to easier installation and maintenance and makes the 6275UG ideal for underground and above ground applications.

Crushing process optimization

Using our SmartStation automation, you are able to optimize your entire crushing operation. Our automation features include VisioRock®, VisioTruck®, unique metrics and vault level regulation.

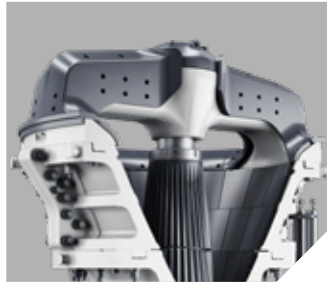
Combining these different automation features provide consistent monitoring, analysis and crusher adjustment allowing your operation to run at maximum productivity.

Benefits

- Up to 15% larger top size acceptance compared to similar size crushers
- Up to 20% CAPEX savings
- Up to 30% more capacity compared to similar size crushers
- Reduce downtime by up to 70% for concave replacements
- Increase usable lifetime of concaves by up to 40% in single feed point applications
- Components fit through as small as a 4m x 4m mine shaft

Flexible design for superior results

The Metso Outotec Superior™ MKIII 6275UG was designed as a direct need from market demand. A compact primary crusher with reduced CAPEX for underground and above ground applications.



Single piece spider and top shell

The Superior™ gyratory crusher history has over 70 years of experience and proven performance. The one-piece cast spider and top shell components have been redesigned on the 6275UG. They now accommodate the large feed opening with a reduced crusher height, while keeping chamber geometries aligned to ensure superior performance.



Split spider maintaining rigidity of one-piece spider design

Similar to the split top shell option, the spider can be delivered in reduced-size splits. The split is made at the low-stress portion, which allows retaining of all rigidity and strength of the one-piece spider design. Also keeping the high arched design features reduces bridging over the crusher chamber.



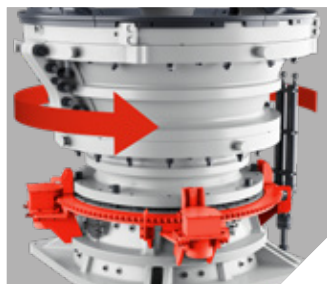
Split top shell

This option can allow the top shell to be split into two pieces. The joining of the two pieces is made with a system of heavy, multi-jackbolt fasteners and wedges on a flange system. This matches the standard solid casting in strength and durability, which retains the Rotable Shell features and OptiShell™ system.



Rotable top shell

The Rotable top shell provides an advanced method to reduce shutdown times, improve safety and adds flexibility. The process works by having readily available and inspected shell segments lined prior to shutdown. Then installed shells are unfastened, removed and replaced by the new shells. Minimizing risk and labor hours for maintenance crews.



OptiShell™

The optional Metso Outotec OptiShell™ system increases uptime, operational efficiency, operator safety and eliminates the need for a crane in rotating the top shells and spider. This mitigates the uneven wear distribution that occurs and can increase the usable lifetime of the convcaves by up to 40% in single feed point applications.

Equipment technical specifications	
Weight	280,000 kg
Maximum feed size	1,440 mm
Length	5,700 mm
Width	5,600 mm
Height*	4,650 mm
*Mounting plan to feeding point	

Read more at mogroup.com/6275ug

Have a question or inquiry? Contact us today!

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Partner for positive change