



DESIGNED TO CRUSH SMART BUILT TO MEAN BUSINESS

THE NEW CG800i CONNECTED GYRATORY CRUSHERS





BETTER. CONNECTED.

The Sandvik CG800i connected crusher series gives you the high reduction efficiency, performance and availability you need to maximize profitability.

These reliable, premium, gyratory crushers are full of smart innovations and connected 24/7 to My Sandvik.

Tough crushing together with a complete overview of crusher performance – to maximize uptime and productivity.

THE SMART PERFORMER THAT IS TOUGH ON COSTS

Sandvik CG800i crushers are built to be robust, reliable and efficient. Connected to My Sandvik, they revolutionize availability and optimize uptime by giving you actionable insights into how the crusher is performing. All to give you optimal reliability and drive down operating costs.

BUILT TO THE HIGHEST STANDARDS

CG800i crushers offer excellent reliability and safer & faster maintenance – up to 30% faster than competing crushers.

A robustly designed one-piece main shaft and reinforced shells are made for tough use.

The one-piece spherical spider bearing offers at least 5 times longer wear life than previous Sandvik crushers.

TOP-CLASS AVAILABILITY

Secure, self-tightening concaves prevent liners from coming loose. Metallic contact between the upper mantle area and main shaft absorbs forces to avoid fatigue failures.

REVOLUTIONARY CONNECTED CRUSHERS

My Sandvik gives you complete 24/7 access to data generated by your connected Sandvik crusher fleet. Now you can make decisions based on facts, and clearly identify areas where you can improve uptime.



HIGH REDUCTION, GREAT CAPACITY

Well-designed spider bearing built from strong materials make a fulcrum point that ensures a constant eccentric throw, guaranteeing up to 90% of feed opening.

PROVEN ADVANCED TECHNOLOGY

Developed using FEM technology and equipped with the market's latest features such as ASRi™, TIMS and smart overpressure systems, Sandvik CG800i crushers are future-proof and built to last.

INCREASE PRODUCTIVITY THROUGH LIFECYCLE SERVICES

Sandvik 365 Lifecycle Services support your new equipment throughout its entire lifecycle, helping you increase productivity by up to 10%. Get genuine parts, service solutions and extensive training that deliver lower operating costs, improved product quality and maximum productivity.

A REVOLUTION IN AUTOMATION AND CONNECTED CRUSHING

ADVANCED AUTOMATION

The ASRi system optimizes the performance of the crushers without overloading it, allowing you to get the most out of your crusher.

The system constantly monitors the Hydroset pressure, motor power draw and the position of the main shaft, and adapts the crusher's settings in real time to match feed curve variations and variations in the hardness of the process material, allowing you to adjust the CSS within a wide range to promote capacity, product size – or both.

The system keeps track of the A-dimension, letting you know when the minimum level is approaching and allowing you to plan for a scheduled mantle change. The system also allows for easier manual crushing chamber calibration and CSS adjustment to compensate for crushing chamber wear – ensuring consistent product size.

The Tank Instrument Monitoring System (TIMS) provides real-time monitoring of the crusher lubrication system to ensure it functions optimally. Monitoring the Lubrication system, spider bearing grease system and overpressure system, it ensures oils are at the right flow and temperature, and triggers alarms to protect the crusher.



MY SANDVIK CUSTOMER PORTAL

The My Sandvik portal gives you a single point of entry for your fleet information, access to electronic parts catalogs, parts prices, parts availability, and online ordering. Available 24/7 via your connected device, it supports your aftermarket needs 365 days a year.

MY FLEET REPORTS

My Fleet Reports give you in-depth insight into your connected fleet of crushers. It's the intelligent way of monitoring crusher behavior and using that information to optimize and improve business performance.

MY SANDVIK E-CATALOG

My Sandvik e-catalog is an electronic knowledge hub where you can find in-depth product information (via manuals and catalogues) for your fleet. The e-catalog is accessible from any connected device to give you the information you need to get up and running – and stay there.

MY SANDVIK E-COMMERCE

My Sandvik e-commerce lets you request quotations, order new wear and spare parts, and track & trace shipments. It's a complete, one-stop-shop for ordering, tracking and managing parts.



CHOOSE THE CG800i FOR YOUR NEEDS

The CG800i crusher range covers all sizes for all requirements for primary crushing. Which is best for your mine?



CG810i

CG820i

Inch ref.	42–63 inches	54–75 inches
Feed Opening	1067 mm	1372 mm
Maximum Feed Size (TxWxL)	620x930x1560 mm	800x1200x2000 mm
Horizontal Shaft	500 rpm	500 rpm
Motor	315 kW	525 kW
Open side setting	115–190 mm	127–228 mm
Weight	128 600 kg	244 000 kg



CG830i

60–89 inches

1525 mm

890x1330x2225 mm

500 rpm

660 kW

153–241 mm

380 000 kg



CG850i

61–106 inches

1549 mm

900x1350x2250 mm

500 rpm

950 kW

153–254 mm

501 100 kg

STRONG, RELIABLE CRUSHING – WHATEVER THE CONDITIONS



SPHERICAL SPIDER BEARING: 5 X MORE WEAR LIFE

The spherical spider bearing adds a constant fulcrum point throughout its lifetime ensuring a continuous eccentric throw, guaranteeing up to 90% of feed opening. It eliminates high stress on the contact between the bushing and the main shaft sleeve, extending the life of the internal components. The result: 5 x longer life compared to competing systems.





MAIN SHAFT DESIGN: 30% FASTER MAINTENANCE

The main shaft with integrated head center has a direct metallic contact to the upper mantle area. This absorbs forces when crushing big boulders, avoiding head nut damage.

The smart construction uses a metallic contact that is easy to align and needs no wedges. Operation is secured using the protection ring. Maintenance time is 30% faster maintenance than with similar crushers.



SELF-TIGHTENING STRUCTURE LINERS: EVERYTHING IN PLACE

The concave liners are fixed with bolts and projections locked into the grooves that safely secure the concaves in position during installation. It makes it easy to replace individual liners.

PERFORMANCE TO GET THE JOB DONE

LUBRICATION SYSTEM – KEEPING EVERYTHING UP AND RUNNING

The lubrication system contains a suite of smart alarms and monitoring systems to keep your crushing at maximum efficiency. It monitors lubrication, the spider bearing grease system and the overpressure system, lubricating vital components whenever they need it.

OVERPRESSURE SYSTEM – PROTECTING FROM DUST AND DEBRIS

The overpressure system keeps dust and debris out of the crusher's lubricated internal parts. It is equipped with a large filter and cyclone pre-filter for increased air intake, and heavy hoses to secure air supply and pressure.

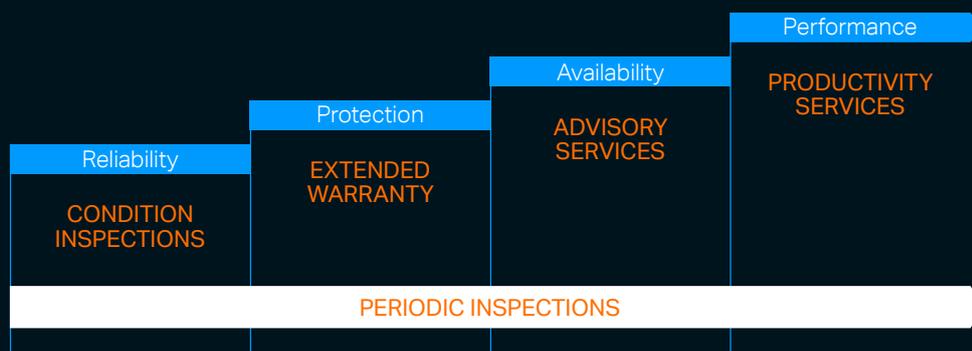


SANDVIK 365 – SERVICE YOU CAN COUNT ON

When you can predict your productivity you predict profitability. Sandvik 365 is about optimizing performance every hour, 365 days a year.

Our highly trained, expert engineers ensure you get the right parts and service to ensure safe operation, low operating costs and long service life.

Service from us isn't just quick and convenient. It optimizes uptime and gives you an increase in process efficiency and equipment reliability you can count on. Literally.



With Sandvik 365, we support your new equipment throughout its entire lifecycle, helping you increase productivity by up to 10%.

Get genuine parts, service solutions and extensive training that deliver lower operating costs, improved product quality and maximum productivity.



After China Molybdenum Co. Ltd. signed a Productivity Services Agreement, they have experienced zero unplanned stops and a significant rise in productivity.

"Before the agreement, capacity was 9,000 tons per day. Now it's 15,000 tons per day."

FOUR WAYS SANDVIK 365 IMPROVES YOUR PRODUCTIVITY:

- Experts offer dedicated knowledge and experience in OEM equipment and the applications surrounding it.
- Proven and globally established optimization procedures use thousands of applications as a benchmark to find you the most efficient solutions.
- Customized training sessions and frequent on-site support foster the transfer of knowledge to staff and develop skills.
- Clear guidance leads you toward higher reliability, availability and productivity, ensuring lower operating costs.



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