**Nordberg® C Series™**

Why choose Metso's jaw crusher?

**Reliability**
- Pinned and bolted, non-welded frame construction
- Outstanding fatigue strength
- Excellence in casting engineering
- Premium-quality components

**Easy installation**
- Compact crusher module
- Easy to install in place of an existing crusher
- Possible to ship to the site in pieces (for example, in case of underground installation)

**Productivity**
- Excellent material intake capability
- Steep cavity cross section for excellent bite
- Aggressive pitman motion for efficient compression
- Reliability, high availability

**Safety**
- Lifting tools for jaw dies, cheek plates and toggle plate as standard
- Optional flywheel and drive guards
- Safe, quick and easy setting adjustment system
- Metso IC™ crusher automation
Nordberg C Series jaw crushers are engineered for the toughest feed materials. They are proven to be reliable and productive in thousands of real mining, quarrying, recycling and industrial applications. You can rely on the Nordberg C jaw crusher as the backbone of your process.

Uncompromised reliability and productivity
The reliability of C Series jaw crushers is based on a revolutionary pinned and bolted, non-welded frame construction. This design provides excellent fatigue strength even in toughest quarrying or mining applications.

Metso’s foundry expertise enables continuous steel casting development to ensure the best casting designs and quality in terms of strength and fatigue life. High level of engineering combined with top-of-the-line commercial components, such as spherical roller bearings, ensure the reliability that Nordberg C Series jaw crushers are known for.

Nordberg C Series jaw crushers are the most productive and cost-efficient jaw crushers for any primary crushing application. C Series jaw crushers were originally developed to crush the hardest ores and rocks so they perform extremely well also in less demanding applications, such as soft rock, recycling and slag.

Benefits
- Reliability
- Productivity
- Easy installation
- Safety
Nordberg® C Series™
Jaw crushers

Nordberg C Series jaw crushers are engineered to deliver maximum productivity at the lowest operating costs. Reliability combined with great performance, low operating costs and easy maintenance ensure the best result in a real primary crushing application.

Excellent material intake capacity
Feed opening depth, which typically defines the top feed size, is well balanced with the width and height of the crusher. A good feed opening depth enables excellent material intake capacity and ensures that the rocks enter the cavity without restrictions.

Excellent bite in the cavity
The steep nip angle, the angle between the movable and fixed jaw dies, ensures good bite and good material flow down in the cavity. On top of great performance, a good nip angle also reduces wear on the jaw dies – and that has a direct impact on operating costs.

High production and reduction
Nordberg C Series jaw crushers are well known for the aggressive motion of the pitman and long stroke in the bottom of the cavity. The stroke is amplified from the top to the bottom, which means that the stroke is always longest in the bottom of the cavity. This boosts the capacity as well as the reduction ratio, resulting in high production and better end-product gradation.

Easy to maintain
Areas where any wear is anticipated are engineered to be easy to replace or protected by sacrificial wear items. This ensures that maintenance of C Series jaw crushers is easy and cost efficient over the long lifetime of the crusher. These designs protect the most expensive main components from wear and shorten maintenance time. And a shorter maintenance time means higher uptime.

Benefits of Nordberg C Series
- High production
- High reduction ratio
- Easy maintenance
- High uptime
Nordberg® C Series™
Significant space, time and cost savings in installation

Nordberg C Series jaw crushers offer multiple benefits that save space, time and money. This makes the Nordberg C Series the most economical choice in both greenfield and brownfield applications. The modular structure is ideally suited to open-pit installations and adds even more value when installed underground.

Installation made easy
Nordberg C Series jaw crushers are easily installed into either new plants or to replace older jaw crushers to extend plant lifetime and boost production. The modular concept makes the C Series jaw crushers easy to install. The crusher can be installed as one compact module that includes all the necessary auxiliaries around the crusher itself. The crusher can be installed within a few days, minimizing on-site engineering and fabrication. Ultimately, this leads to a significant savings in time and installation costs.

Favored in underground mining
Nordberg C Series jaw crushers are very popular in underground mining applications. The possibility to dismantle the jaw crushers for transport makes them especially easy to use in underground installations. Moving the dismantled components into the tunnel requires less space in the tunnel and shaft and less heavy lifting. The crusher can be installed and commissioned in its final destination within a few days. These factors make the C Series the most favored jaw crushers for underground operations.

Wide range of options
C Series jaw crushers can be customized with options for any application. Safe flywheel and drive guards protect operators from moving objects. An optional integrated motor base allows installation of the crusher drive motor directly to the back of the crusher. The motor moves in sync with the crusher so the V-belt life is enhanced and alignment and tensioning are always perfect. An optional feed chute is engineered for uninterrupted material flow from the feeder into the crusher.

Easy installation
- Modular structure
- Wide selection of options
- Savings in transport, installation and on-site engineering costs

All Nordberg® C Series™ jaw crushers are based on a revolutionary modular, non-welded frame construction.
### Technical Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>C80™</th>
<th>C100™</th>
<th>C106™</th>
<th>C116™</th>
<th>C120™</th>
<th>C125™</th>
<th>C150™</th>
<th>C160™</th>
<th>C200™</th>
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<tbody>
<tr>
<td>Power</td>
<td>110 kW (150 hp)</td>
<td>132 kW (175 hp)</td>
<td>160 kW (200 hp)</td>
<td>200 kW (285 hp)</td>
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<td>11 560 kg</td>
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<td>18 600 kg</td>
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</table>

*) Crusher without options
**) Crusher with options
Metso
Rock breakers
Metso Rock breaker solutions

Metso rock breaker solutions are complete functional packages for rock breaking in the primary crushing stage. The breaker booms and hammers are engineered to meet the requirements set by rough primary crushing applications. These packages are optimized to work together and support Metso primary crushers, ensuring the best productivity of the whole primary crushing station.

Significant improvement to plant capacity
Long-term plant production is significantly improved when the primary station is equipped with a rock breaker solution. Downtime due to build-ups and blockages can be easily cut to a minimum. This ensures a steady material flow through the primary station to the next process stages. The huge economic impact as a result of improved productivity means that the investment pay-back time is typically very short.

The safest way to manage build-ups
A rock breaker solution is clearly the safest way to manage blockages and build-ups and to clear the crusher cavity. The remote-controlled boom and hammer with the radio remote control, which is part of standard scope of delivery, means that the boom and hammer can be operated from a location that gives the operator unlimited visibility into the area where the rocks are moved or broken. Metso rock breaker solutions are also engineered safe and easy to maintain, with single-point lubrication of the boom joints as a standard feature.

A complete, optimized solution
Metso rock breaker solutions are complete functional packages optimized for primary crushing applications. Each component, breaker boom, rock breaker, hydraulic power unit and radio remote control, is optimized to work most efficiently with the other components. And each complete solution is optimized to work most efficiently with certain Metso crushers. Each component is engineered to meet the requirements set for the equipment used in rough primary crushing applications.

Benefits of Metso’s rock breaker solutions
• Safety
• Complete, optimized solution
• Engineered to Metso’s standards

<table>
<thead>
<tr>
<th>Technical specifications</th>
<th>MB352™</th>
<th>MB352™</th>
<th>MB432™</th>
<th>MB655™</th>
<th>MB676™</th>
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<td>4,3 m (14’ 2&quot;)</td>
<td>6,5 m (21’ 5&quot;)</td>
<td>6,7 m (22’ 1&quot;)</td>
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<td>1 750 kg (3 850 lb)</td>
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<td>SUPERIOR® Primary Gyratory</td>
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