

Product datasheet

Essa® JC5000 Jaw Crusher

Rugged and dependable, the Essa® Model JC5000 Jaw Crusher is the largest model in the Essa range of highly-regarded, heavy-duty jaw crushers.

Benefits

- **Improved quality**
Simple jaw gap adjustment provides good control of product sizing while minimising downtime and labour service requirements.
- **Increased availability**
Designed with a mechanically simple single toggle that is dependable and easy to maintain and repair.
- **Improved safety**
Full drive guarding complies with occupational health and safety standards.
- High level motor protection IP65-rated electric motor is totally protected against dust ingress and low pressure water jets from any direction.
- **Reduced capital cost**
Flexibility of use allows for continuous or batch use in laboratory and plant applications.
- **Primary crushing application**
500 mm x 300 mm jaw opening accepts large input feed size up to 250 mm.
- **High throughput**
Fast and powerful crushing at 15,000 kg per hour.
- **Increased productivity**
High reduction ratio, with 30 mm product size, results in quicker and more efficient crushing with reduced process stages.

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Proven performance in a variety of applications and environments



Robust and versatile

The Essa® JC5000 is a proven performer in the mineral/mining industry and has the flexibility which allows for continuous or batch use in large laboratory and plant applications. A general purpose, heavy-duty jaw crusher used in sample preparation and plant operations, it readily accepts soft to very hard ore, rock and large industrial particulate up to 85% of its jaw opening, which is 500 mm x 300 mm.

Typical applications will include primary crushing of large lump ore in sampling stations and pilot plants, the pre-crushing of materials being prepared for analytical or metallurgical laboratory use, and in industrial production facilities. The jaw opening accepts a large input feed size of up to 250 mm, while it's an impressive performer with fast and powerful crushing. The footprint is 900 mm x 1275 mm.

High quality and efficiency

The Essa® Jaw Crusher Model JC5000 represents improved quality and efficiency with its high input to output sample ratio. This means increased productivity and speed, fewer processes and less handling. There's also good control of product sizing and a better quality sample thanks to the simple jaw gap adjustment, which has the added benefit of minimising downtime and labour service requirements.

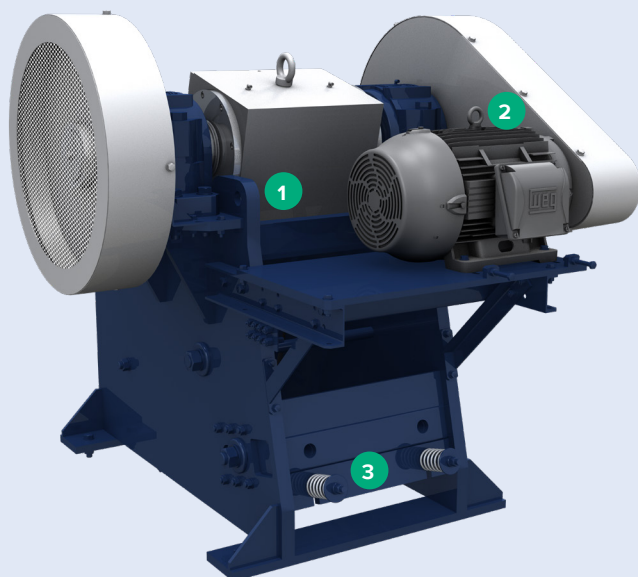
Designed to handle heavy-duty and continuous operation

A robust and well-proven crusher built for high capacity, the Essa® JC5000 can be used in primary crushing applications and is able to take a large size of input product with its 500 mm x 300 mm jaw opening. A 30 mm product size, which combines with a speedy throughput of 15,000 kg per hour, makes the JC5000 a highly desirable sturdy crusher.

Ease of operation and maintenance

The Essa® JC5000 has a number of features which make it easy to maintain and repair, such as the mechanically simple single toggle and the jaw gap adjustment mechanism. There is extended wear part life with the reversible and interchangeable manganese steel jaw plates, while the long-life roller bearings that allow for a high load capacity also decrease downtime and maintenance costs.

Powerful and efficient primary crushing



1. Maximum feed size 250 mm (85% of jaw inlet).
2. Full drive guarding complies with occupational health and safety standards.
3. Designed with a mechanically simple single toggle.

- 500 mm x 300 mm jaw opening

- Fast and easy jaw gap adjustment provides good control of product sizing.

Specifications

Jaw inlet	500 mm x 300 mm
Maximum feed size	250 mm
Usual product size	30 mm
Maximum product size	75 mm
Throughput at usual product size	15,000 kg/h
Electrical requirement (3 phase)	22 kW
Mass	3500 kg
Dimensions (length x width x height)	1620 mm x 1421 mm x 1618 mm
Shipping mass (approximate)	3860 kg
Shipping dimensions (approximate)	1780 mm x 1650 mm x 2000 mm

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