

JAW CRUSHER BB 250

Model with most ergonomic handling



The Jaw Crusher BB 250 is specifically designed for accepting large feed sizes up to 120 x 90 mm. The gap width can be set stepless from 0-30 mm. Depending on the sample material, particle sizes down to 2 mm can be obtained, resulting in a crushing ratio of 45. A throughput of up to 300 kg/h is possible with the BB 250.

The RETSCH jaw crusher series is available in 8 different sizes. Throughput and final fineness depend on the crusher type, selected gap width and breaking properties of the sample material.

Robust design, simple handling and cleaning are the features of the RETSCH jaw crusher models. Small amounts of sample are processed batchwise; for larger amounts the crushers can be operated continuously.

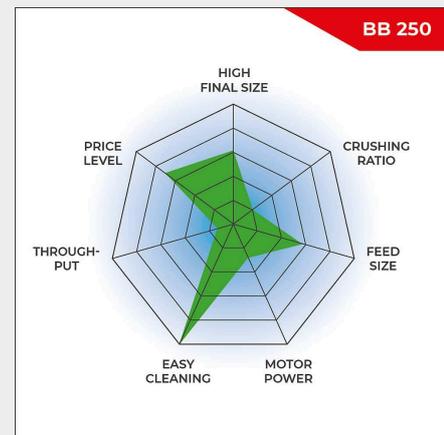


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Product Video

ROBUST & VERSATILE

- | Front door facilitates cleaning of crushing chamber
- | Infinite/continuous gap width setting
- | Wide range of materials for contamination free grinding
- | Collecting receptacle with outlet for continuous operation
- | Connector for dust extraction
- | Scale indicates jaw wear
- | Selection of hoppers for specific applications



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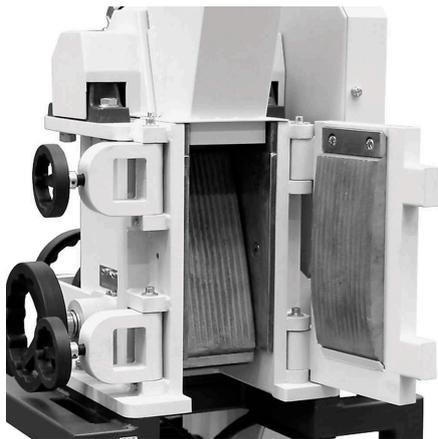
JAW CRUSHER BB 250

SUPERIORITY IN DETAIL

For sample amounts up to 10 l, the Jaw Crusher BB 250 is used batchwise; for larger volumes it can be operated continuously. Thanks to the modular concept of the housing and frame, this jaw crusher is suitable for a wide range of applications.

A front door gives direct access to the crushing chamber at a perfect height for ergonomic and easy cleaning. The feed hopper with splash-back protection can be removed quickly and easily. The Jaw Crusher BB 250 has a connection for dust extraction and is protected against mechanical overload. A scale indicates the wear of the breaking jaws, informing the user when it is time for an exchange.

The crushing chamber is available in 6 different materials to ensure neutral-to-analysis sample preparation. The technical and safety features make this jaw crusher ideally suited for sample preparation in laboratories and for small scale production.



Front door allows for easy cleaning



Connection for dust extraction

ACCESSORIES FOR THE JAW CRUSHER BB 250

BREAKING JAWS

Breaking jaws and wearing plates are available in five different materials to be selected depending on the sample and the analysis to be carried out:

- | manganese steel
- | stainless steel
- | tungsten carbide
- | steel for heavy-metal free grinding
- | stainless steel 316L
- | NiHard4 steel



HOPPER TYPES

Three hopper types are available for the BB 250 jaw crusher.

The standard hopper can be optionally equipped with a special infeed hopper. This additional hopper can be placed on a table for loading up to 10 l of sample material. By attaching it to the standard hopper with a connection rod, the sample is fed into the BB 250 with the help of a manual pusher.

A special hopper is available for quick and easy feeding of drill cores or large amounts of bulk material. The cover can be closed to serve as splash back protection.



COLLECTING VESSELS

In addition to the standard receptacle which accepts sample amounts up to 10 l, two options are available.

For continuous operation the collection funnel with outlet is the ideal choice.

The large volume receptacle accepts up to 26 liter of sample and comes with a flexible connection flange and a carrier on wheels. This version is the best choice for dust-free operation.



OPTIONS FOR JAW CRUSHER BB 250

AUTOMATED SORTING MACHINE



The BB 250 jaw crusher can be used in combination with an automated sorting machine.

The crushed sample falls onto a perforated belt with mesh sizes of 2 mm, 4 mm and 6 mm. The appropriately sized particles fall into the respective tray below the belt, oversized particles fall into a fourth tray.

This set up allows for easy and quick fractioning of sample material.

JAW CRUSHER AND SAMPLE DIVIDER COMBINATION UNIT ABP



With the Jaw Crusher and Sample Divider Combination Unit ABP, the sample is first crushed in a BB 250 and then automatically divided into 8 equal part samples.

This automated procedure helps to avoid manual mistakes and ensures a high degree of reproducibility.

JAW CRUSHER BB 250

TYPICAL SAMPLE MATERIALS

RETSCH's powerful jaw crushers are ideally suited for preliminary crushing of construction materials, ores, granite, oxide ceramics, quartz, slag, silicon, coal, tungsten alloys, cement clinker, etc.



cement clinker



ceramics



catalysts



drill core

To find the best solution for your sample preparation task, visit our application database.

JAW CRUSHER BB 250

FUNCTIONAL PRINCIPLE

Applications	coarse and pre-crushing
Field of application	chemistry / plastics, construction materials, engineering / electronics, environment / recycling, geology / metallurgy, glass / ceramics
Feed material	medium-hard, hard, brittle, tough
Size reduction principle	pressure
Material feed size*	< 120 x 90 mm
Final fineness*	< 2 mm
Throughput*	300 kg/h
Material of grinding tools	manganese steel, stainless steel, tungsten carbide, steel for heavy-metal free grinding, stainless steel 316L, NiHard4
Jaw width	120 x 90 mm
Gap width setting	0 - 30 mm
Gap width display	scale
Zero point adjustment	yes
Wearing rate display	yes, up to minus 10 mm
Removable hopper	yes
Dust extraction unit	yes
Central lubrication	no
Process line version	optional
Collector capacity	10 l
Base frame	vario frame (adjustable for continuous crushing)
Drive	3-phase motor
Drive power	3.0 kW
Electrical supply data	different voltages
Power connection	3-phase
Protection code	IP 55
W x H x D closed	695 x 1399 x 719 mm
Net weight	~ 350 kg
Standards	CE

*depending on feed material and instrument configuration/settings

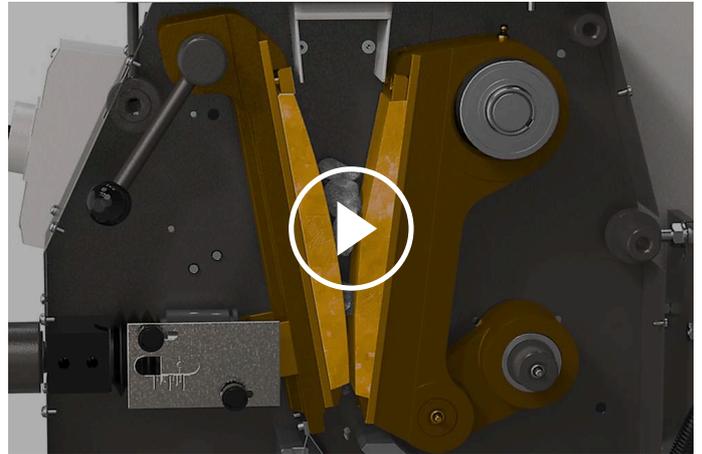
JAW CRUSHER BB 250

FUNCTIONAL PRINCIPLE

The Jaw Crusher BB 250 is a robust and powerful forced-feed crusher. The feed material passes through the no-rebound hopper and enters the crushing chamber.

Size reduction takes place in the wedge shaped area between the fixed crushing arm and one moved by an eccentric drive shaft. The elliptical motion crushes the sample which is moved towards the crushing gap under gravity.

As soon as the sample is smaller than the discharge gap width, it falls into a removable collector within the jaw crusher. The continuous gap width setting with scale ensures optimum size reduction in accordance with the set gap width.



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www.retsch.com/bb250