



## Jaw Crusher BB 300

### General Information

The Jaw Crusher BB 300 is used for the rapid, effective crushing and pre-crushing of medium-hard, hard, brittle and tough materials. Its variety of materials offered, including heavy-metal free steel and its efficiency and safety makes the BB 300 ideal for sample preparation in laboratories and industrial plants.

For small amounts of sample the Jaw Crusher BB 300 can be used batch-wise; for larger amounts it can be operated continuously. Control of the gap width and zero point adjustment allow for reproducible results. The Belleville spring washer protects the unit from overloads and in conjunction with the central lubrication guarantees a long service life.



### Application Examples

alloys, basalt, cement clinker, ceramics, chamotte, coal, coke, construction materials, feldspar, glass, granite, minerals, ores, oxide ceramics, quartz, rocks, silicon, slag, ...

### Product Advantages

- excellent crushing performance
- wear compensation with zero-point adjustment
- infinitely gap width setting
- overload protection
- wide range of materials for contamination free grinding
- no-rebound feed hopper with quick-release clamp
- brake motor with safety switch
- easy-to-clean crushing chamber
- connector for dust extraction
- central lubrication
- suitable for integration in automatic installations
- special version for grinding semi-conductor materials

### Features

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*	< 130 mm
Final fineness*	< 5 mm
Material of grinding tools	manganese steel, stainless steel, tungsten carbide, steel 1.1750 (for heavy-metal free grinding)
Jaw width	138 x 198 mm



## Jaw Crusher BB 300

Gap width setting	1 - 40 mm
Gap width display	scale
Zero point adjustment	yes
Hinged hopper	yes
Dust extraction unit	yes
Central lubrication	yes
Process line version	optional
Collector capacity	27.5 l / 35.4 l
Drive	3-phase motor
Drive power	3.0 kW
Electrical supply data	different voltages
Power connection	3-phase
Protection code	IP 54
W x H x D closed	670 x 1450 x 1600 mm
Net weight	~ 700 kg
Standards	CE

**Please note:**

\*depending on feed material and instrument configuration/settings

## Videolink



<http://www.retsch.com/bb300>

## Function Principle

The Jaw Crusher BB 300 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 wedgeshaped area between the fixed crushing arm and one moved by an eccentric drive shaft. The elliptical motion crushes the sample which then falls under gravity.

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

## Order data



## Jaw Crusher BB 300

### Jaw Crusher BB 300

(please order collecting receptacle separately)

breaking jaws / wearing plates

20.054.1001	BB 300, 3/N~ 400 V, 50 Hz, manganese steel / stainless steel
20.054.1003	BB 300, 3/N~ 400 V, 50 Hz, stainless steel / stainless steel
20.054.1013	BB 300, 3/N~ 400 V, 50 Hz, tungsten carbide / stainless steel
20.054.1006	BB 300, 3/N~ 400 V, 50 Hz, steel 1.1750 / steel 1.0344, , for grinding without heavy-metal contamination
20.061.0001	BB 300, 3~ 400 V, 50 Hz, tungsten carbide / tungsten carbide, all parts coming into contact with the sample are heavy-metal-free

other electrical versions available for the same price

### Accessories BB 300

05.045.0048	Collecting receptacle, galvanized steel, 27.5 litres
05.045.0049	Collecting receptacle, plastic, 35.4 litres
22.906.0001	Carriage for collecting receptacle, capacity up to 150 kg
22.048.0007	Breaking jaws, manganese steel, 1 pair
22.048.0008	Breaking jaws, stainless steel, 1 pair
22.048.0021	Breaking jaws, tungsten carbide, 1 set
22.048.0019	Breaking jaws, steel 1.1750, 1 pair, , for grinding without heavy-metal contamination
22.711.0004	Wearing plates, stainless steel, 1 pair
22.711.0013	Wearing plates, steel 1.0344, 1 pair, , for grinding without heavy-metal contamination
05.664.0001	Lubricator
22.351.0004	V-belt, 1 set (4 pieces)

## Jaw Crushers BB 200 / BB 300

for integration into a system at the customer's location, with manufacturer's declaration according to EC machine directive, with three-phase motor (voltages on request) and central lubrication, without hopper and protective motor switch

breaking jaws / wearing plates

20.057.1001	BB 300, manganese steel / stainless steel
20.057.1002	BB 300, stainless steel / stainless steel