

JAW CRUSHER BB 100



The Jaw Crusher BB 100 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, its **efficiency and safety** makes this Jaw Crusher ideal for sample preparation in laboratories and industrial plants.

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
- | wide range of materials for contamination free grinding
- | wear compensation with zero-point adjustment
- | continuous gap width setting
- | overload protection
- | no-rebound feed hopper with quick-release clamp
- | brake motor with safety switch
- | easy-to-clean crushing chamber
- | continuous grinding
- | connector for dust extraction

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*	< 50 mm
Final fineness*	< 4 mm
Material of grinding tools	manganese steel, stainless steel, tungsten carbide, steel 1.1750 (for heavy-metal free grinding)
Jaw width	60 x 60 mm
Gap width setting	0 - 20 mm
Gap width display	scale
Zero point adjustment	yes
Hinged hopper	yes
Dust extraction unit	yes
Central lubrication	no
Process line version	no
Collector capacity	2 l
Drive	1-phase motor / 3-phase motor
Drive power	0.75 kW
Electrical supply data	different voltages
Power connection	1-phase / 3-phase
Protection code	IP 54
W x H x D closed	320 x 960 x 800 mm
Net weight	~ 137 kg
Standards	CE

*depending on feed material and instrument configuration/settings

FUNCTIONAL PRINCIPLE

The BB 100 is a **robust and powerful forced-feed Jaw Crusher**. The feed material passes through the no-rebound hopper and enters the crushing chamber. Size reduction takes place in the wedged 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 within the Jaw Crusher. The **continuous gap width setting with scale ensures optimum size reduction** in accordance with the set gap width.



[Click to view video](#)

www.retsch.com/bb100