

JAW CRUSHER BB 300



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

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|-----------------------------------|--|
| 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 |
| 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 |

*depending on feed material and instrument configuration/settings

FUNCTIONAL 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 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. The **continuous gap width setting with scale ensures optimum size reduction** in accordance with the set gap width.



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