



## KAAKBREKER BB 200

Versatile unit with a focus on fineness

The Jaw Crusher BB 200 is a floor model designed for a throughput of up to 300 kg/h, suitable for many typical crushing tasks. It accepts feed sizes up to 90 mm. The gap width can be set stepless from 0-30 mm.

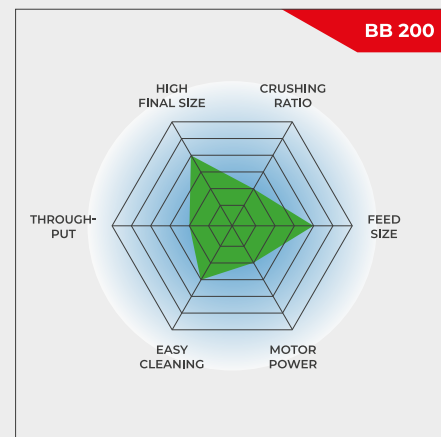
Depending on the sample material, particle sizes down to 2 mm can be obtained, resulting in a crushing ratio of 45. Its versatile usage includes continuous pre-and fine crushing in one step or process-line versions.

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.

## ROBUST & VERSATILE

- | Excellent crushing performance
- | Wide range of materials for contamination free grinding
- | Wear compensation with zero-point adjustment
- | Continuous gap width setting
- | Easy-to-clean crushing chamber
- | Suitable for continuous grinding
- | Connector for dust extraction



Versatile unit with a focus on fineness

KAAKBREKER BB 200

## SUPERIORITY IN DETAIL

Robust design, simple handling and cleaning are the features of the BB 200 jaw crusher. For small sample amounts of up to 5 L the BB 200 can be used batch-wise; for larger amounts it can be operated continuously.

The crushed sample is collected in a removable collector. For larger amounts or continuous crushing operations, the sample collector can be replaced by customer-specific solutions (e.g. a belt conveyor).

A Belleville spring washer integrated in the spindle adjustment provides additional overload protection. The eccentric spindle which moves the crushing arm is driven by a robust brake motor via V-belts. The largest belt pulley also acts as the flywheel to ensure uniform and smooth operation. The BB 200 jaw crusher features maintenance- & lubricant-free sliding bearings.

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## **WEAR COMPENSATION BY ZERO-POINT ADJUSTMENT**

Depending on the material and the throughput, sooner or later the breaking jaws will start to show signs of wear. This means that the set breaking jaw distance or the crushing gap will increase with time. To still be able to obtain reproducible crushing results this wear must be compensated.

RETSCH jaw crushers can be continuously adjusted, allowing for compensation of breaking jaw wear. This is done by slowly altering the gap width setting with the motor running until the breaking jaws are heard to come into contact. The new zero point thus obtained is saved by readjusting the scale.



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## **USER CONVENIENCE COMBINED WITH MAXIMUM SAFETY**

Safety is a top priority with RETSCH jaw crushers. The feed hopper with splash-back protection cannot be accessed by hand. A safety switch and the brake motor ensure an immediate stop if the unit is opened or switched on incorrectly.

For easy cleaning of the crushing chamber, the hinged hopper can be removed in a few simple steps. The jaw crushers run very smoothly and quietly and are virtually maintenance-free.



FOR SAFE AND EFFICIENT CRUSHING PROCESSES

## **ACCESSORIES FOR THE JAW CRUSHER BB 200**

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:

- | mangaanstaal
- | roestvrij staal
- | wolframcarbide
- | staal voor het malen zonder zware metalen



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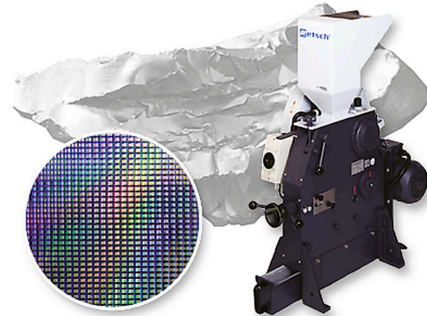
## **JAW CRUSHERS FOR SPECIAL REQUIREMENTS**

Apart from the standard model, the BB 200 jaw crusher is also available in special versions adapted to particular application requirements.

## HEAVY-METAL FREE CRUSHING

All jaw crushers are available in a heavy-metal-free version. The BB 200 can also be supplied in a special version suitable for crushing semiconductor materials. This includes plastic lining of feed hopper and receptacle as well as breaking jaws and wear plates of tungsten carbide.

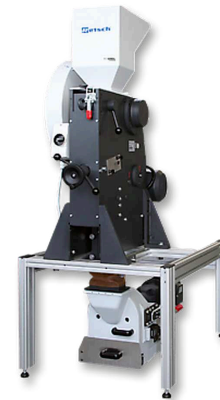
Thus, the sample does not come into contact with metal materials at any point and no abrasion of the grinding tools impairs the purity of the sample material.



## CONTINUOUS PRE- AND FINE GRINDING

For the rapid, continuous grinding of large quantities of coarse material to analytical fineness, the combination of the jaw crusher BB 200 and the RETSCH Disc Mill DM 200 is the perfect solution.

The crusher is mounted above the disc mill on a frame and both instruments are connected by a chute. With this construction, samples of up to 90 mm feed size can be ground down to 100 microns in one single step.



## PROCESS-LINE VERSION

The BB 200 jaw crusher is also available in a version suitable for continuous size reduction in online operation, e. g. for quality control during the production process. For these purposes it is supplied without feed hopper and motor protection switch. The voltage of the three-phase AC motor is selected in accordance with customer requirements.



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## TYPISCHE MONSTER MATERIALEN

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.



*beton*



*jade*



*glas*



*kolen*

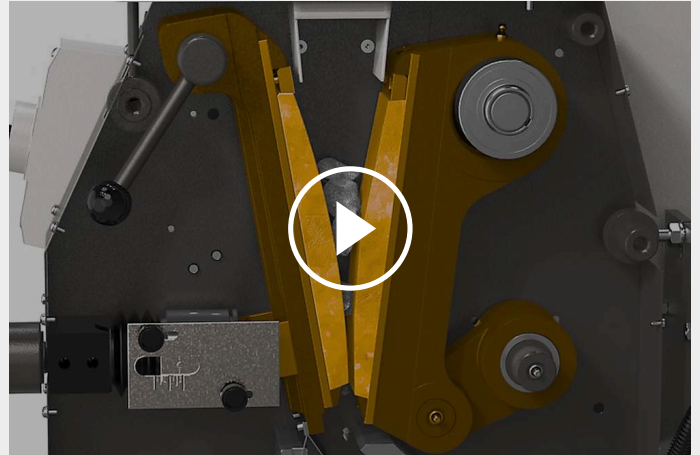
Bezoek onze toepassingsdatabase om de beste oplossing voor uw monstervoorbereiding of analyse te vinden.

## KAAKBREKER BB 200

### PRINCIPE

De kaakbreker BB 200 is een robuuste, performante breker. Het produkt valt door de toevoertrechter, die tegen terugspringend produkt beveiligd is, in de trechtersvormige maalkamer. Daar wordt het materiaal gebroken tussen de ellipsvormig bewegende en de vaststaande arm en naar beneden toe bewogen.

Zodra de deeltjes een fijnheid hebben bereikt die kleiner is dan de onderste opening, vallen ze in een uitneembare opvanglade. De traploos instelbare spleetinstelling kan worden afgelezen op de zijdelings aangebrachte lat en garandeert daarbij een optimale, aan het te malen produkt aangepaste instelling.



[Klik om video te bekijken](#)

## KAAKBREKER BB 200

**TECHNISCHE GEGEVENS**

<b>Toepassingen</b>	Grove en voorvermaling
<b>Toepassingsdomein</b>	Milieu / Recycling, bouwmaterialen, chemie / kunststoffen, engineering / electronica, geologie / metallurgie, glas / keramiek
<b>Toevoermateriaal</b>	medium-hard, hard, breekbaar, taai
<b>Maalprincipe</b>	Druk
<b>Korrelgrootte materiaal*</b>	< 90 mm
<b>Eindfijnheid*</b>	< 2 mm
<b>Doorvoer*</b>	300 kg/h
<b>Materiaal van maalwerktuigen</b>	mangaanstaal, roestvrij staal, wolframcarbide, staal 1.1740 (voor het malen zonder zware metalen)
<b>Kaakbreedte</b>	90 x 90 mm
<b>Instelling spleetopening</b>	0 - 30 mm
<b>Weergave spleetopening</b>	schaal
<b>Nulpuntsinstelling</b>	Ja
<b>Gescharnierde trechter</b>	Ja
<b>Stofextractie-eenheid</b>	Ja
<b>Maintenance- and lubricant-free sliding bearing</b>	Ja
<b>Proces-lijn versie</b>	optioneel
<b>Opvangcapaciteit</b>	5 l
<b>Aandrijving</b>	monofasemotor / 3-fasenmotor
<b>Aandrijfvermogen</b>	1.5 kW
<b>Gegevens electriciteit</b>	verschillende spanningen
<b>Aansluiting electriciteit</b>	1-fase / 3-fasen
<b>Beschermingsklasse</b>	IP 54
<b>B x H x D gesloten</b>	450 x 1160 x 900 mm
<b>Netto gewicht</b>	~ 300 kg
<b>Standaarden</b>	CE

\*afhankelijk van toegevoerd materiaal en configuratie/instellingen van toestel

[www.retsch.nl/bb200](http://www.retsch.nl/bb200)

## BESTELGEGEVENS

### KAAKBREKER BB 200



**Jaw Crusher BB 200 complete with breaking jaws and wearing plates**

				kaken / slijtplaten
20.053.0001		BB 200	3/N~ 400 V, 50 Hz	mangaanstaal / roestvrij staal
20.053.0002		BB 200	3/N~ 400 V, 50 Hz	roestvrij staal / roestvrij staal
20.053.0003		BB 200	3/N~ 400 V, 50 Hz	wolframcarbide / roestvrij staal
20.053.0043		BB 200	3/N~ 400 V, 50 Hz	wolframcarbide / wolframcarbide
20.059.0001	 	BB 200	3~ 400 V, 50 Hz	tungsten carbide / tungsten carbide, all parts coming into contact with the sample are heavy-metal-free
20.053.0018		BB 200	3/N~ 400 V, 50 Hz	steel 1.1750 / steel 1.0344, for grinding without heavy-metal contamination

**andere spanningsvarianten aan dezelfde prijs op aanvraag**

### JAW CRUSHER BB 200 VERSION FOR INTEGRATION

**Version 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), without hopper and protective motor switch**

20.058.1001		BB 200, mangaanstaal / roestvrij staal		
20.058.1002		BB 200, roestvrij staal / roestvrij staal		
20.058.1003		BB 200, wolframcarbide / roestvrij staal		




### ACCESSORIES JAW CRUSHER BB 200

1)


BREAKING JAWS BB 200

22.048.0004		Kaken mangaanstaal 1 paar
22.048.0005		Kaken roestvrij staal 1 paar
22.048.0006		Kaken tungsten carbide 1 paar
22.048.0024		Kaken tungsten carbide 1 pair, for jaw crusher 20.059.0001
22.048.0026		Kaken NiHard 4 1 paar
22.048.0018		Kaken staal 1.1750 1 pair, for grinding without heavy-metal contamination

#### WEARING PLATES BB 200

22.711.0003		Slijtplaten roestvrij staal 1 paar
22.711.0010		Slijtplaten tungsten carbide 1 paar
22.711.0006		Slijtplaten staal 1.0344 1 pair, for grinding without heavy-metal contamination

#### FURTHER ACCESSORIES BB 200

22.351.0003		V-riem, 1 set (3 stuks)
02.824.0054		Draagstel voor combinatie BB 200/Schijvenmolen DM 200