



## CONCASOR CU FĂLCI 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.**

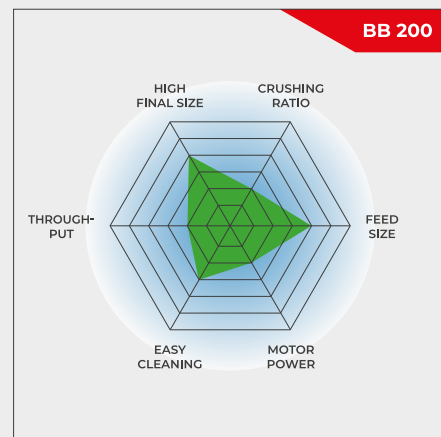
**Depending on the sample material, particle sizes down to 2 mm can be obtained, resulting in a crushing ratio of 45. Its versatile usage includes continuous pre-and fine crushing in one step or process-line versions.**

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



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## SUPERIORITATE ÎN DETALII

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.

PENTRU PROCESE DE MĂCINARE SIGURE ȘI  
EFICIENTE

## ACCESSORIES FOR THE JAW CRUSHER BB 200

Fălcile și placuțele de uzură sunt disponibile în 5 materiale diferite și pot fi selectate în funcție de caracteristicile probei și de analizele efectuate ulterior măcinării:

- | oțel mangan
- | oțel inoxidabil
- | carbura de wolfram
- | steel for heavy-metal free grinding



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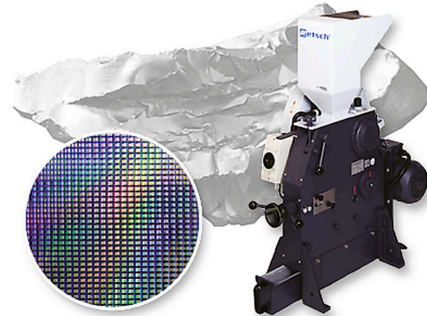
## JAW CRUSHERS FOR SPECIAL REQUIREMENTS

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.

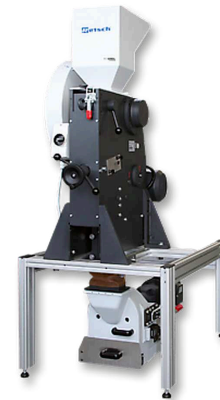
Thus, the sample does not come into contact with metal materials at any point and no abrasion of the grinding tools impairs the purity of the sample material.



## 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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**PROBE TIPICE**

Concasoarele puternice RETSCH sunt ideale pentru măcinarea primară a materialelor de construcții, a minereurilor, granitului, ceramicii de oxid, cuarțului, zgurii, siliciului, cărbunelui, aliajelor de tungsten, clincherului de ciment, etc.



*beton*



*jade*



*sticlă*



*coal*

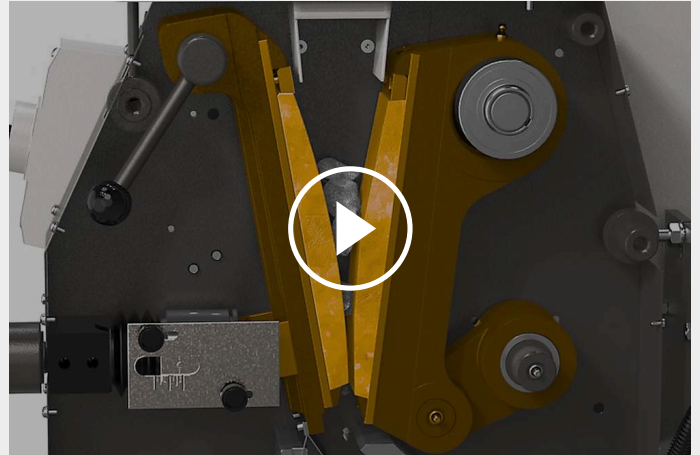
Pentru a găsi cea mai bună soluție de măcinare accesați baza noastră de date

CONCASOR CU FĂLCI BB 200

## PRINCIPIU DE FUNCȚIONARE

Concasorul cu fălci BB 200 este un concasor robust și puternic, cu alimentare forțată. Materialul alimentat trece prin buncărul de alimentare fără recul și intră în camera de zdrobire. Reducerea dimensiunilor are loc în zona trapezoidală între falca fixa de cea acționata printr-un excentric.

Mișcarea eliptică zdrobește proba care apoi cade sub forța gravitației. Îndată ce proba este mai mică decât dimensiunea spațiului de evacuare, cade într-un vas colector detașabil. Dimensiune spațiului de evacuare poate fi ajustata continuu, ceea ce conduce la o reducere optima a probei.



[Click pentru video](#)

## CONCASOR CU FĂLCI BB 200

**DATE TEHNICE**

|  |   |
|--|---|
| <b>Aplicabilitate</b>                                    | concasare grosieră  |
| <b>Domenii in care se utilizeaza</b>                     | chimie/plastic, geologie/metalurgie, inginerie/electronică, materiale construcții, mediu/reciclare, sticlă/ceramică |
| <b>Material probă</b>                                    | duritate medie/mare, casant   |
| <b>Principiul de reducere a dimensiunii</b>              | prin aplicarea unei presiuni asupra probei  |
| <b>Dimens. max. probă*</b>                               | < 90 mm   |
| <b>Finețe finală*</b>                                    | < 2 mm  |
| <b>Puterea produsă*</b>                                  | 300 kg/h  |
| <b>Material de construcție a elementelor de macinare</b> | oțel mangan, inox, carbura de wolfram, oțel 1.1750 (pentru concasare fara contaminare cu metale grele)              |
| <b>Dimensiuni fălci</b>                                  | 90 x 90 mm  |
| <b>Setarea distantei dintre fălci</b>                    | 0-30 mm   |
| <b>Afișajul distantei dintre fălci</b>                   | scală   |
| <b>Compensare uzura cu punct 0</b>                       | da  |
| <b>Buncăr de alimentare</b>                              | da  |
| <b>Etans la praf</b>                                     | da  |
| <b>Maintenance- and lubricant-free sliding bearing</b>   | da  |
| <b>Varianta constructiva pentru procese in linie</b>     | opțional  |
| <b>Capacitate colector</b>                               | 5 l   |
| <b>Antrenare</b>   | motor monofazic / motor trifazic  |
| <b>Putere motor</b>                                      | 1.5 kW  |
| <b>Alimentare electrica</b>                              | 230 V, 50 Hz  |
| <b>Conectare sursă de alimentare</b>                     | monofazic / trifazic  |
| <b>Grad de protecție</b>                                 | IP 54   |
| <b>W x H x D (închis)</b>                                | 450 x 1160 x 900 mm   |
| <b>Masa netă:</b>  | ~ 300 kg  |
| <b>Standard</b>  | CE  |








\* în funcție de materialul probei și configurația/setările instrumentului

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

## INFORMAȚII DESPRE COMANDĂ

### JAW CRUSHER BB 200



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

|             |   |        |                   | <b>fălci / plăcuțe de uzură</b>  |
|-------------|---|--------|-------------------|--|
| 20.053.0001 |    | BB 200 | 3/N~ 400 V, 50 Hz | oțel mangan / oțel inoxidabil  |
| 20.053.0002 |    | BB 200 | 3/N~ 400 V, 50 Hz | oțel inoxidabil / oțel inoxidabil  |
| 20.053.0003 |    | BB 200 | 3/N~ 400 V, 50 Hz | tungsten carbide / stainless steel   |
| 20.053.0043 |    | BB 200 | 3/N~ 400 V, 50 Hz | carbură de wolfram / carbură de wolfram  |
| 20.059.0001 |   | BB 200 | 3~ 400 V, 50 Hz   | tungsten carbide / tungsten carbide,<br>all parts coming into contact with the sample are heavy-metal-free |
| 20.053.0018 |    | BB 200 | 3/N~ 400 V, 50 Hz | oțel 1.1750 / oțel 1.0344,<br>pentru măcinare fără contaminare cu metale grele                             |

**la cerere, sunt disponibile alte versiuni electrice, la același preț**

### 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, oțel mangan / oțel inoxidabil      |
| 20.058.1002 |   | BB 200, oțel inoxidabil / oțel inoxidabil  |
| 20.058.1003 |  | BB 200, tungsten carbide / stainless steel |




### ACCESSORIES JAW CRUSHER BB 200

1)


BREAKING JAWS BB 200

|             |  |   |
|-------------|--|---|
| 22.048.0004 |   | Fălci<br>oțel mangan<br>1 pereche   |
| 22.048.0005 |   | Fălci<br>oțel inoxidabil<br>1 pereche   |
| 22.048.0006 |   | Fălci<br>tungsten carbide<br>1 pereche  |
| 22.048.0024 |  | Fălci<br>tungsten carbide<br>1 pair, for jaw crusher 20.059.0001                    |
| 22.048.0026 |  | Fălci<br>NiHard 4<br>1 pereche  |
| 22.048.0018 |  | Fălci<br>oțel 1.1750<br>1 pereche, pentru măcinare fără contaminare cu metale grele |

#### WEARING PLATES BB 200

|             |   |  |
|-------------|---|--|
| 22.711.0003 |  | Plăcuțe de uzură<br>oțel inoxidabil<br>1 pereche   |
| 22.711.0010 |  | Plăcuțe de uzură<br>tungsten carbide<br>1 pereche  |
| 22.711.0006 |  | Plăcuțe de uzură<br>oțel 1.0344<br>1 pereche, pentru măcinare fără contaminare cu metale grele |

#### FURTHER ACCESSORIES BB 200

|             |   |   |
|-------------|---|---|
| 22.351.0003 |  | V-belt, 1 set (3 pieces)                      |
| 02.824.0054 |   | Frame for combination BB 200/Disc Mill DM 200 |