KAAKBREKER BB 300

Versatile unit with a focus on feed size

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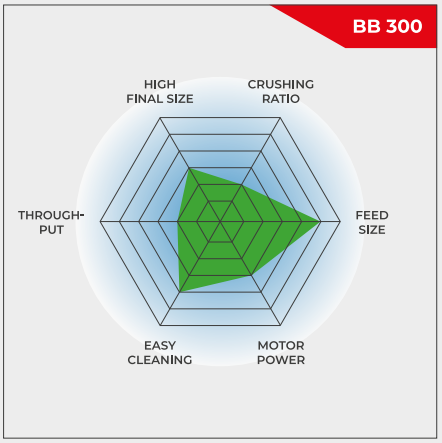
The Jaw Crusher BB 300 is specifically designed for accepting large feed sizes up to 130 mm. The gap width can be set stepless from 1-40 mm. Depending on the sample material, particle sizes down to 5 mm can be obtained, resulting in a crushing ratio of 26. A throughput of up to 600 kg/h is possible with the BB 300.

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 feed size

KAAKBREKER BB 300

SUPERIORITY IN DETAIL

Robust design, simple handling and cleaning are the features of the BB 300 jaw crusher. For sample amounts of up to 35 L the BB 300 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).

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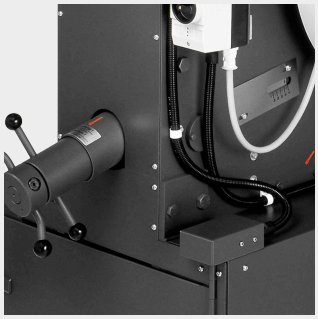
A Belleville spring washer integrated in the spindle adjustment provides additional overload protection. The eccentric spindle which moves the crushing arm is driven by a robust brake motor via V-belts. The largest belt pulley also acts as the flywheel to ensure uniform and smooth operation. The BB 300 jaw crusher features maintenance- & lubricant-free sliding bearings.

KAAKBREKER BB 300

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 300

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
- wolfraamcarbide
- staal voor het malen zonder zware metalen

JAW CRUSHERS FOR SPECIAL REQUIREMENTS

Apart from the standard model, the BB 300 jaw crusher is also available in special version adapted to particular application requirements.

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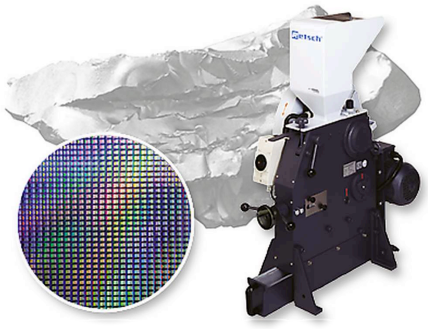
Heavy-metal free crushing

All jaw crushers are available in a heavy-metal-free version.The BB 300 can also b e 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.



Process-line version

The BB 300 jaw crusher is also available in versions which are suitable for continuous size reduction in online operation, e. g. for quality control during the production process.

These are supplied without feed hopper and motor protection switch. The voltage of the three-phase AC motor will be selected in accordance with the customer's requirements.

KAAKBREKER BB 300

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.

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beton

jade

glas

kolen

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

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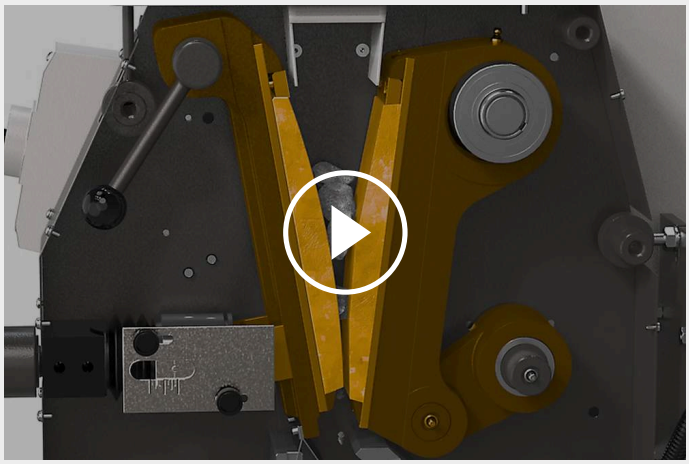
PRINCIPE

De kaakbreker BB 300 is een robuuste, performante breker. Het produkt valt door de toevoertrechter, die tegen terugspringend produkt beveiligd is, in de trechtervormige 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

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TECHNISCHE GEGEVENS

Toepassingen	Grove en voorvermaling
Toepassingsdomein	Milieu / Recycling, bouwmaterialen, chemie / kunststoffen, engineering / electronica, geologie / metallurgie, glas / keramiek
Toevoermateriaal	medium-hard, hard, breekbaar, taai
Maalprincipe	Druk
Korrelgrootte materiaal*	< 130 mm
Eindfijnheid*	< 5 mm
Doorvoer*	600kg/h
Materiaal van maalwerktuigen	mangaanstaal, roestvrij staal, wolfraamcarbide, staal 1.1740 (voor het malen zonder zware metalen)
Kaakbreedte	138 x 198 mm
Instelling spleetopening	1 - 40 mm
Weergave spleetopening	schaal
Nulpuntsinstelling	Ja
Gescharnierde trechter	Ja
Stofextractie-eenheid	Ja
Proces-lijn versie	optioneel
Opvangcapaciteit	27.5 l / 35.4 l
Aandrijving	3-fasenmotor
Aandrijfvermogen	3.0 kW
Gegevens electriciteit	verschillende spanningen
Aansluiting electriciteit	3-fasen
Beschermingsklasse	IP 54
B x H x D gesloten	670 x 1450 x 1600 mm
Netto gewicht	~ 700 kg
Standaarden	CE

*afhankelijk van toegevoerd materiaal en configuratie/instellingen van toestel

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BESTELGEGEVENS

KAAKBREKER BB 300

Jaw Crusher BB 300 complete with breaking jaws and wearing plates
(please order collecting receptacle separately)

				kaken / slijtplaten
20.054.1001		BB 300	3/N~ 400 V, 50 Hz	mangaanstaal / roestvrij staal
20.054.1003		BB 300	3/N~ 400 V, 50 Hz	roestvrij staal / roestvrij staal
20.054.1013		BB 300	3/N~ 400 V, 50 Hz	wolfraamcarbide / roestvrij staal
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
20.054.1006		BB 300	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 300 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

20.057.1001		BB 300	mangaanstaal / roestvrij staal
20.057.1002		BB 300	roestvrij staal / roestvrij staal

COLLECTING RECEPTACLES BB 300

05.045.0048		Opvangbak gegalvaniseerd staal 27.5 liter

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05.045.0049		Opvangbak plastic 35.4 liter
22.906.0001		Karretje vooropvangbak, capaciteit tot 150 kg

TOEBEHOREN BB 300 1)

BREAKING JAWS BB 300

22.048.0007		Kaken mangaanstaal 1 paar
22.048.0008		Kaken roestvrij staal 1 paar
22.048.0021		Kaken tungsten carbide 1 set
22.048.0025		Kaken tungsten carbide 1 set, for jaw crusher 20.061.0001
22.048.0019		Kaken staal 1.1750 1 pair, for grinding without heavy-metal contamination

WEARING PLATES BB 300

22.711.0004		Slijtplaten roestvrij staal 1 paar
22.711.0014		Slijtplaten tungsten carbide 1 pair, for jaw crusher 20.061.0001
22.711.0013		Slijtplaten staal 1.0344 1 pair, for grinding without heavy-metal contamination

FURTHER ACCESSORIES

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02.785.0273		Infeed hopper for batch loading
22.351.0004		V-riem, 1 set (4 stuks)

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