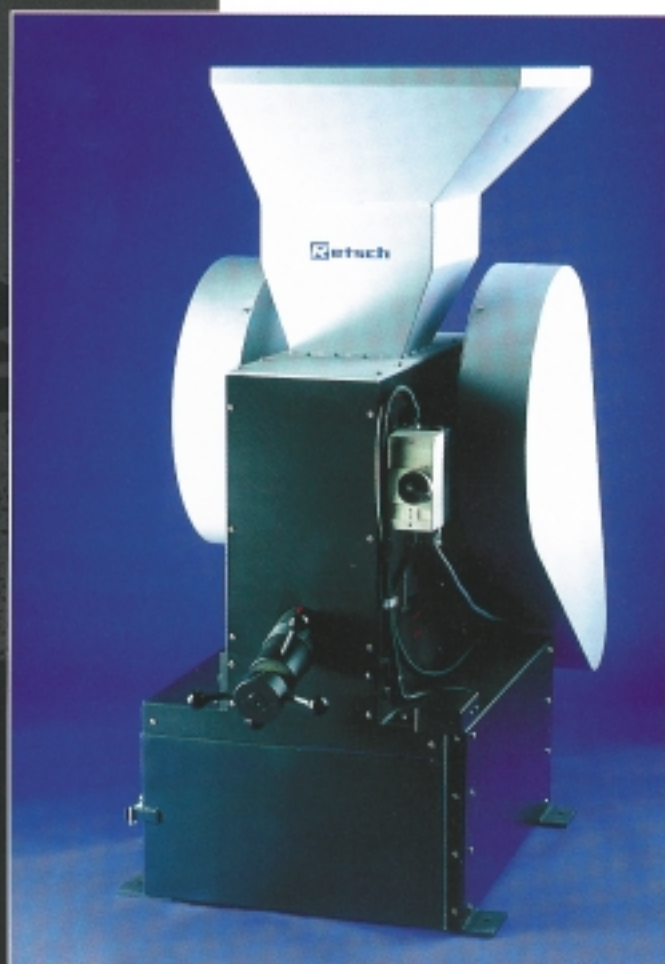


CRUSHING

Retsch



## BB 300 JAW CRUSHER



### CRUSHING

RETSCH jaw crushers are suitable for rough and preliminary crushing of medium hard, brittle and hard/tough materials. Their safety, reliability and heavy duty capability make them ideal for comminution of samples fed into the hopper in large pieces. They have also proved their merit in the preparation of small to medium quantities of recycling and production material and for integration in sample preparation systems.

A special feature of RETSCH jaw crushers is an infinitely adjustable gap in the range 1 - 40 mm which produces a final grain size optimally adapted to requirements.

Additional features of the BB 300 are robust, low maintenance design conforming to CE standards, cup spring assembly for extra mechanical overload protection and simple, reliable, user-friendly operation.

### ADVANTAGES

- Gap indicator for reproducible results
- High throughput rate
- High comminution ratio (30:1)
- Infinitely adjustable gap setting
- Excellent output fineness
- Jaws in three different materials
- Batch and continuous operation modes
- Compact, robust design conforming to CE standards
- Integrated version available
- 2 year warranty

### PERFORMANCE DATA

Application:	crushing
Input material:	medium hard, hard, brittle
Input grain size:	< 150 mm
Output fineness:	approx. 5 - 40 mm
Throughput:	up to approx. 600 kg/h

**Retsch**

RETSCH jaw crushers are ideal for the fast comminution of medium hard, hard, brittle and hard/tough materials such as concrete, ores, rock, glass, ceramics, coal, minerals, slag, sinter cake, cement clinker and many other bulk goods. The maximum input grain size (< 150 mm), throughput rate of up to approx. 600 kg/h and achievable output fineness are dependent on the crushing behaviour and hardness of the process material and on the gap width set.

The crushed material is collected in a steel receptacle of rated capacity 27.5 litres which is mounted on a carriage fitted in the enclosed base of the jaw crusher and detachable.

The jaws can be supplied in stainless steel or manganese steel alloy. The side wearing plates are made of stainless steel. A special version of the BB 300 is available with tungsten carbide jaws.

On request the jaw crushers can be supplied with a multi-voltage motor but without hoppers, enclosed outlet, ON/OFF and motor protection switches for integration in crushing systems. In such cases the electric and intake and outlet must be installed by the customer and approved for compliance with safety requirements.



## ORDER DATA

JAW CRUSHER TYPE BB 300		Order No.
Type BB 300 for 3/N 400 V,	50 Hz with jaws made of manganese steel*	20.054.0021
Type BB 300 for 3 x 230 V,	50 Hz with jaws made of manganese steel*	20.054.0022
Type BB 300 for 3/N 400 V,	50 Hz with jaws made of stainless steel*	20.054.0023
Type BB 300 for 3 x 230 V,	50 Hz with jaws made of stainless steel*	20.054.0024

\* Complete with receptacle, carriage, ON/OFF switch and motor protection switch

Type BB 300/system integrated for 3 x 220 - 245 / 380 - 420 V, 50 Hz, or 3 x 220 - 280 / 380 - 480 V, 50 Hz, with jaws made of manganese steel	20.057.0001
Type BB 300/system integrated for 3 x 220 - 245 / 380 - 420 V, 50 Hz, or 3 x 220 - 280 / 380 - 480 V, 50 Hz, with jaws made of stainless steel	20.057.0002

OPTIONAL EXTRAS AND SPARE PARTS	Order No.
Plastic receptacle, rated volume 35.4 litres	05.045.0049
Galvanised steel spare receptacle, rated volume 27.5 litres	05.045.0048
Spare carriage for receptacle, capacity 150 kg	22.906.0001
Manganese steel spare jaws, 1 pair	22.048.0007
Stainless steel spare jaws, 1 pair	22.048.0008
Stainless steel spare wearing plates, 1 pair	22.711.0004
Spare V belts, 1 set (4 pcs.)	22.351.0004

### NOISE DATA (noise measurement to DIN 45635-31-01-413)

Workplace related emission level	$L_{p\text{ eq}} = 81.5 \text{ dB (A)}$	Input material: marble pebbles < 90 mm
Sound power level	$L_{WA} = 95.7 \text{ dB (A)}$	

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**Retzsch**®

## ENGINEERING

RETSCH jaw crushers are robust, heavy duty, single toggle crushers. The input material is fed into the grinding chamber through a large, anti-splashback hopper. Comminution takes place in a wedge shaped chute between a fixed and a moving crusher arm powered by an eccentric shaft. The elliptical motion crushes the input material and moves it downwards into a retractable receptacle for collection. The fixed arm can be advanced towards the moving arm by means of a spindle. This infinitely adjustable gap width setting and indication assure optimum and reproducible operating parameters. In addition to the electrical motor protection switch mechanical overload protection is assured by a cup spring assembly integrated in the spindle adjustment unit.

The jaw crusher is powered by a robust, heavy duty 3 kW motor. A large belt pulley and an equally large flywheel assure steady, powerful action even with big pieces of hard/tough input material. The jaw crusher has IP 54 rating and complies with CE standards.

## DIMENSIONS AND WEIGHTS

Standard version
W x h x d: approx. 670 x 1450 x 1600 mm
Weight: approx. 700 kg net
System integrated version
W x h x d: approx. 670 x 1100 x 1260 mm
Weight: approx. 650 kg net

The right is reserved to modify any specification without prior notice.  
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