

## Rotor Beater Mill SR 200

### General Information

The Rotor Beater Mill SR 200 is suitable for coarse and fine size reduction, either in batches or continuously. It can process dry, soft, medium-hard, organic and inorganic substances.

The SR 200 is intended for universal use: from sample preparation in laboratories up to preparing sample batches in pilot plants or production facilities.

### Application Examples

bentonite, chemical products, coal, coke, drugs, feed pellets, fertilizers, food, graphite, gypsum, herbs, pharmaceutical materials, plant materials, plastics, powder coating, resins, rice, salts, seeds, soils, spices, sugar, ...

### Product Advantages

- suitable for batchwise operation of larger quantities
- high final fineness
- exchangeable grinding and sieve inserts
- optional grinding inserts 180° for grinding of hard-brittle materials by additional impact
- optional distance rotor to reduce frictional heat
- quick-action door lock and motor brake
- defined final fineness due to bottom sieves with aperture sizes from 0.08 - 10 mm
- maximum peripheral rotor speed 24.5 m/s

### Features

Applications	size reduction, deagglomeration
Field of application	agriculture, chemistry / plastics, construction materials, environment / recycling, food, geology / metallurgy, medicine / pharmaceuticals
Feed material	soft, medium-hard
Size reduction principle	impact, shearing
Material feed size*	< 15 mm
Final fineness*	< 80 µm
Speed at 50 Hz (60 Hz)	2,850 min <sup>-1</sup> (3,420 min <sup>-1</sup> )
Rotor peripheral speed	20.4 m/s (24.5 m/s)
Types of rotors	rotor beater
Material of grinding tools	cast iron: grinding chamber - stainless steel: rotor / ring sieves / retaining frame - chromium plated: retaining frame
Sieve sizes	trapezoid holes 0.08 / 0.12 / 0.20 / 0.25 / 0.50 / 0.75 / 1.00 / 1.25 / 1.50



## Rotor Beater Mill SR 200

	/ 2.00 mm round holes 3.00 / 4.00 / 10.00 mm
Collector capacity	5 l / optional: 30 l
Drive	1-phase motor / 3-phase motor
Electrical supply data	different voltages
Power connection	1-phase / 3-phase
Protection code	IP 54
Power consumption	1.1 kW
W x H x D closed	560 x 1150 x 700 mm (with base frame)
Net weight	~ 57 kg (with base frame)
Documentation	Operation & Application Video
Standards	CE

\*depending on feed material and instrument configuration/settings

## Rotor Beater Mill SR 200

### Videolink



<http://www.retsch.com/sr200>

### Function Principle

Size reduction and deagglomeration in the SR 200 are achieved by impact and shear effects. The feed material passes from the hopper into the center of the grinding chamber where it is crushed between the rotor, sieve and grinding inserts.

As soon as the material is smaller than the aperture size of the sieve it enters the collecting receptacle. The quick-acting door lock ensures easy access to the grinding chamber for quick cleaning. With their motor brake (braking time 0.5 s), safety switch, splashback and access barrier in the inlet and outlet areas, the SR 200 offers the highest degree of operating safety.

### Order data

#### Rotor Beater Mill SR 200 / SR 300

with rotor, 240 mm filter hose and collecting receptacle (please order retaining frame, sieves and optional base frame SR 200 separately)

20.732.0001	SR 200, 3/N~ 400 V, 50 Hz, rotor speed 2,850 min <sup>-1</sup> , of cast iron, without base frame
20.732.0003	SR 200, 230 V, 50 Hz, rotor speed 2,850 min <sup>-1</sup> , of cast iron, without base frame

other electrical versions available for the same price

#### Retaining frames and ring sieves for SR 200 / SR 300

##### Retaining frame 360°

22.642.0002	Retaining frame for ring sieves 360°, chromium plated
22.642.0001	Retaining frame for ring sieves 360°, of stainless steel

##### Ring sieves 360° of stainless steel

02.407.0057	Trapezoid holes, 0.08 mm
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## Rotor Beater Mill SR 200

02.407.0026	Trapezoid holes, 0.12 mm
02.407.0028	Trapezoid holes, 0.20 mm
02.407.0029	Trapezoid holes, 0.25 mm
02.407.0030	Trapezoid holes, 0.50 mm
02.407.0031	Trapezoid holes, 0.75 mm
02.407.0032	Trapezoid holes, 1.00 mm
02.407.0058	Trapezoid holes, 1.25 mm
02.407.0033	Trapezoid holes, 1.50 mm
02.407.0034	Trapezoid holes, 2.00 mm
02.407.0035	Round holes, 3.00 mm
02.407.0036	Round holes, 4.00 mm
02.407.0040	Round holes, 10.00 mm, for pre-grinding

## Retaining frame 180°

02.143.0014	Retaining frame with grinding insert for sieves 180°, stainless steel
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## Sieves 180° of stainless steel

03.647.0081	Trapezoid holes, 0.08 mm
03.647.0039	Trapezoid holes, 0.12 mm
03.647.0040	Trapezoid holes, 0.20 mm
03.647.0041	Trapezoid holes, 0.25 mm
03.647.0042	Trapezoid holes, 0.50 mm
03.647.0043	Trapezoid holes, 0.75 mm
03.647.0044	Trapezoid holes, 1.00 mm
03.647.0045	Trapezoid holes, 1.25 mm
03.647.0046	Trapezoid holes, 1.50 mm
03.647.0047	Trapezoid holes, 2.00 mm
03.647.0048	Round holes, 3.00 mm
03.647.0049	Round holes, 4.00 mm
03.647.0053	Round holes, 10.00 mm, for pre-grinding

## Additional items SR 200 / SR 300

01.824.0028	Base frame for SR 200
22.609.0003	Wheels for base frame
22.717.0003	Distance rotor of stainless steel for SR 200
22.717.0004	Distance rotor of stainless steel for SR 300
22.717.0001	Rotor of stainless steel for SR 200
22.717.0002	Rotor of stainless steel for SR 300

## Additional items SR 200 / SR 300 / SK 100

22.187.0001	Ring-type filter for collecting receptacle 5 litres
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## Rotor Beater Mill SR 200

22.748.0001	Dust filter clamping rings for ring-type filter, incl. 5 dust filters
22.524.0002	Dust filters for ring-type filter, 25 pieces
01.011.0023	Collecting receptacle, 5 litres, stainless steel
22.187.0003	Filter hose for collecting receptacle 5 litres, length 240 mm, incl. comfort flange
02.186.0027	Spare filter hose for 22.187.0003
22.003.0011	Collecting receptacle, 30 litres, plastic, incl. filter hose and comfort flange
02.186.0033	Spare filter hose for 22.003.0011