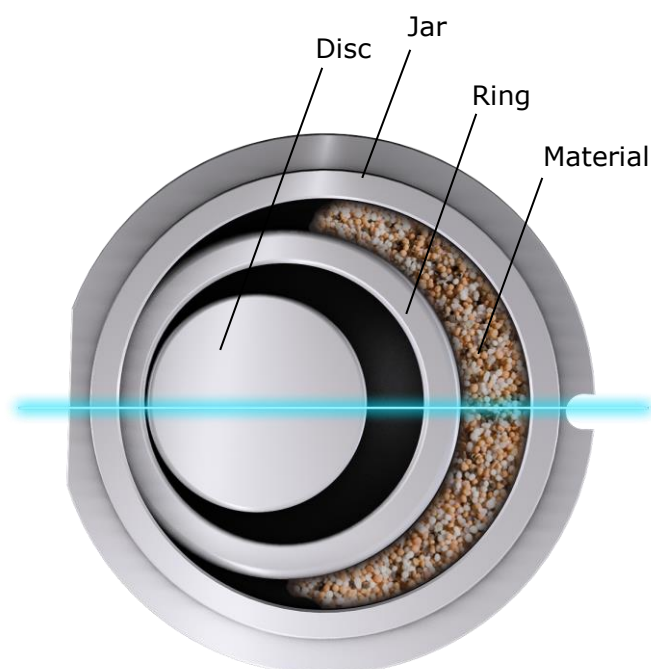


How to obtain the best results with the Vibratory Disc Mill RS 200

The principle of grinding with the RS 200 is based on the friction of the disc and/or the ring (grinding bodies) on the particles inside the jar which leads to their destruction. The friction intensity depends on weight and differential velocity of the grinding bodies. The imbalance drive of the RS 200 generates the motion of the jar and the grinding bodies. It is important to generate maximum friction from the very beginning of the milling process to achieve a high final fineness and reproducible results in a short time.

By following the 3 rules below, a high degree of reproducibility and pulverization can be achieved:

3 simple rules



- 1. Eccentric placement of grinding bodies**
- 2. Grinding bodies and jar touching in one point (see blue line)**
- 3. Place the sample material in the largest free space**

The maximum particle size of the feed material is determined by its hardness and the volume of the grinding jar.

The following recommendations may help to find a suitable jar size based on the maximum particle size and the feed volume of the sample:

Grinding jar	Particle size	Feed volume	Optimum feed volume
50 ml	< 5 mm	15-50 ml	35 ml
100 ml	< 10 mm	35-100 ml	75 ml
250 ml	< 15 mm	80-250 ml	150 ml