### Task:

**Application field:** Agriculture

**Material:** Fertilizer, triple Superphosphate

**Feed size:** 4-6 mm

**Feed quantity:** 3000 g

**Material specification(s):** hard, dry

**Customer requirement(s):** < 75 - 150 µm (100 - 200 mesh) throughput 15 - 30 kg/h no additional information

**Subsequent analysis:** not defined

### Solution:

**Selected instrument(s):** Rotor Beater Mill SR 300

**Configuration(s):**
- Ring sieve 0,5 mm trapezoid holes;
- Ring-type filter with trapezoid hole body for collecting receptacle 5 l;
- Distance rotor for SR 300

**Parameter(s):** Revolution speed appx. 9000 rpm

**Time:** 5 min. (per batch)

**Achieved result(s):**
- 55 % < 125 µm
- 80 % < 150 µm

**Remark(s):** If ring sieves with hole sizes < 0.5 mm are used, heating friction will influence the material and the sieve will clog.

**Recommendation:** For fine grinding of medium hard fertilizers the Rotor Beater Mill SR 300 is suitable under the above mentioned conditions.