Task:

Application field: Building Materials

Material: Crushed stone mixture, brocken rock

Feed size: 3-20 mm

Feed quantity: 1000 g

Material specification: medium-hard, brittle

Customer requirement: 125 - 250 µm; 300 - 500 ml

Subsequent analysis: Not defined

Solution:

Selected instrument(s): SK 100 Cross Beater Mill

Configuration: Ring-type filter with trapezoid hole body for collecting receptacle 5 l; dust-filters with clamping rings for ring-type filter; bottom sieve stainless steel, trapezoid holes 0.75 / 0.5 mm.

Parameter: Revolution speed: 2850 rpm

Time: 5 min.

Result: Bottom sieve 0.75 mm: 66.9 % < 250 µm; bottom sieve 0.50 mm: 80.2 % < 250 µm.

Remark:

Recommendation: For the grinding of medium-hard, brittle crushed stone mixtures the Cross Beater Mill SK 100 is suitable according to the above mentioned conditions.
Pictures of the sample

**Fig. 1:** Original sample material; mixture of crushed stones

**Fig. 2:** Ground sample; SK 100 bottom sieve 0.5 mm