

## Data Sheet

Crushing / Mills



### A 11 basic Analytical mill

Batch mill for 2 different grinding procedures:

Impact grinding of hard, brittle or non-elastic grinding materials with high-grade stainless steel beater. This beater can be used for a Mohs hardness up to 6 (incl. with delivery).

Cutting grinding for pulverizing soft, fibrous materials with a cutting blade (not incl. with delivery).

- Moist and gluey materials can be pulverized by adding water
- Grinding chamber made of Tefcel (PTFE, glass fiber-reinforced) with stainless steel inlet (1.4571), useful volume 80 ml (incl. with delivery). For embrittlement of grinding materials with liquid nitrogen in the grinding chamber
- Optionally, a 250 ml grinding chamber is available

Accessories: A 11.4 Grinding chamber, A 11.1 Spare beater, A 11.2 Cutting blade, A 11.3 Beater, A 11.5 Spare grinding chamber, A 11.7 Funnel, A 11.6 Double beater

#### Technical Data

Process type	batch
Operating principle	cutting/impact
Motor rating input [W]	160
Motor rating output [W]	100
Speed max. [rpm]	28000
Circumferential speed max. [m/s]	53
Usable volume max. [ml]	80
Feed hardness max. [Mohs]	6
Feed grain size max. [mm]	10
Material beater/cutter	stainless steel 1.4034
Material milling chamber	stainless steel 1.4571
Power-on time ON [min]	1
Power-on time OFF [min]	10
Milling chamber, can be cooled with water	no
Mill feed can be cooled in milling chamber with dry ice	yes
Mill feed can be cooled in milling chamber with liquid nitrogen	yes
Dimensions (W x H x D) [mm]	85 x 240 x 85
Weight [kg]	1.5
Permissible ambient temperature [°C]	5 - 40
Permissible relative humidity [%]	80
Protection class according to DIN EN 60529	IP 43
Voltage [V]	220 - 230 / 100 - 115
Frequency [Hz]	50/60
Power input [W]	160

**Ident. No. 0002900001**