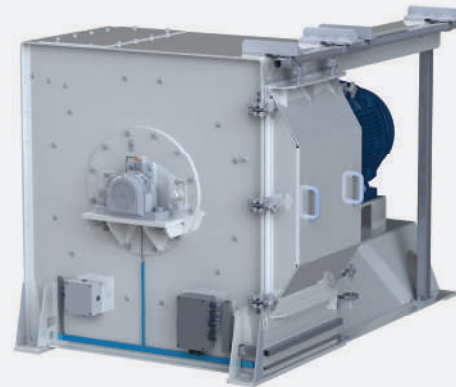


The Specialist When It Comes to Fibrous Material

STRAW MILL SD

The straw mill SD has been specially developed for shredding fibrous material such as straw, hay, maize cobs, alfalfa, miscanthus, hemp or jute.

The SD series comprises two housing sizes for motorisation from 90 kW to 250 kW.



Your Advantages

Efficient Grinding of Fibrous Products

- Geometry of the grinding chamber specially designed for the size reduction of fibres
- Intake and pneumatic transport of the material through the grinding chamber via the aspiration air
- Optimised inlet with ripping comb, adjustable from the outside to the product properties
- Large dimensioned inlet and outlet for high volume flows with low bulk densities
- Variable grist spectrum by adjusting the beater circumferential speed (when using a frequency converter), screen perforation and beater configuration

Reliable Operation and Long Service Life

- Robust welded steel construction for continuous industrial operation (24/7)
- Grinding chamber equipped with wear elements to protect the housing, easy to change
- Durable, optimised rotor design, dynamically balanced

- To protect the screens: foreign body catch trap for impurities inside the grinding chamber

High Availability with Low Downtimes

- Quick and easy change of beaters due to beater frame system, beaters can be changed outside the mill
- With a second beater frame, the machine is immediately ready for use again
- Rotor with short run-down time < 6 min without brake
- A large sliding door allows easy and quick access to the machine interior
- 3-part screen segments without frame, easy and quick to change segment by segment, clamped with chains

High Safety of Personnel and Plant

- Standstill monitoring with door safety device
- Pressure shock resistant and flameproof design (0.4 bar)
- ATEX design according to zone 21 (II 2 D) inside and zone 22 (II 3 D) outside optionally possible

Technical Details

Type	SD 12	SD 25
Grinding chamber diameter (mm)	1200	1200
Screen width (mm)	640	1250
Grinding chamber area (m ²)	1.84	3.60
Dimensions and weight		
Length*/width/height (approx. mm) *depending on motor size	2340 x 1550 x 1620	3300 x 1550 x 1620
Weight without motor (approx. kg)	1900	2900
Drive		
Motor size (kW)	90 - 132	160 - 250
Speed 50 Hz/60 Hz (rpm)	1500/1800	1500/1800

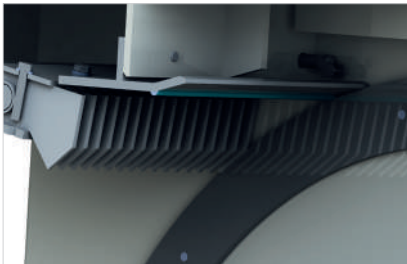
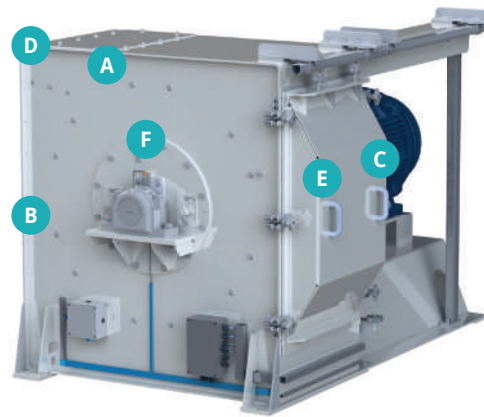
Standard Supply and Options

Standard Scope of Supply:

- Pressure shock resistant up to 0.4 bar and flameproof
- Automatic door locking with standstill monitoring
- Foreign body catch trap with door lock
- Flexible cam coupling (N-EUPEX) with coupling guard
- Vibration dampers, height adjustable
- Inlet and outlet flange
- Electrical components completely wired to terminal boxes
- Drive motor B3 with integrated PTC thermistor sensors
- 1 set of beaters, ready mounted on beater frames
- Beater frame system changing device
- 2 sets of screens, one of them is installed in the mill
- 1 set of special tools
- Multi-layer coating

Option:

- Safety package consisting of:
 - Bearing temperature monitoring
 - Grinding chamber temperature monitoring
 - Grinding chamber vacuum monitoring
- ATEX design according to zone 21 (II 2 D) inside and zone 22 (II 3 D) outside
- Inlet funnel with magnet and stone trap for additional foreign body separation
- Explosion venting valve on the mill housing



A Ripping comb in the inlet



B Foreign body catch trap with door lock



C Large sliding door



D Inlet funnel with foreign body separation (option)



E Beater frame system for quick and easy beater change



F Bearing and grinding chamber temperature monitoring