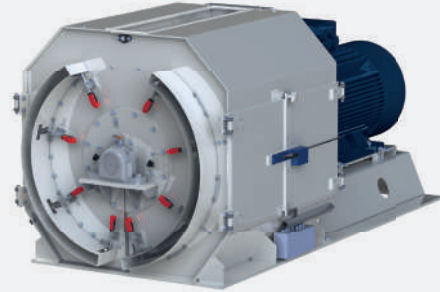


## Our All-Rounder with Manual Screen Change in Idle Mode

# LARGE CHAMBER HAMMER MILL GDL

The large chamber hammer mill GDL is suitable for use in compound feed production, the ethanol industry, the production of pet food and fish feed as well as for grinding a wide range of other products. Due to the design as a large chamber mill, high throughput rates are achieved. A special feature is the simple and quick screen change during idling due to pull-out screen cages in which the screens are mounted.



## Your Advantages

### Efficient Grinding, High Capacities and Flexibility

- Optimised impact zone with hardened impact plates on both sides of the inlet
- Universal use from fine to coarse grinding possible
- Large grinding chamber for high capacities
- High energy efficiency due to special rotor design
- Quick screen change allows a selective structure change of the ground material in just a few minutes
- Variable grist spectrum by adjusting the beater circumferential speed (when using a frequency converter), the screen perforation and the beater configuration

### Reliable Operation and Long Durability

- 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, operation in both directions of rotation

- 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 set of beater frames, the machine is immediately ready for use again
- Rotor with short run-down time < 6 min without brake
- Wide-opening doors allow easy and quick access to the machine interior
- 6-piece screen cage system, can be changed manually quickly and easily depending on requirements or wear pattern (during idling)

### 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

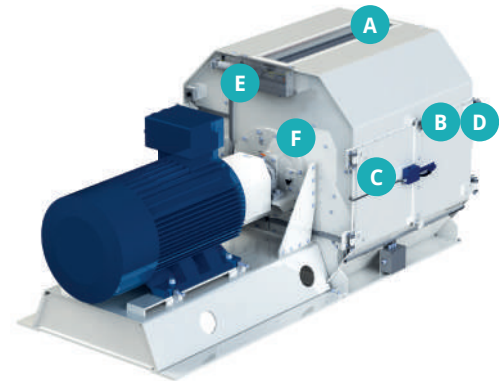
## Technical Details

Type	GDL 12	GDL 20	GDL 25
Grinding chamber diameter (mm)	1200	1200	1200
Screen width (mm)	640	1000	1250
Grinding chamber area (m <sup>2</sup> )	1.84	2.88	3.60
Dimensions and weight			
Length x width x height (approx. mm) *depending on motor size	2630 x 1600 x 1600	3050 x 1600 x 1600	3300 x 1600 x 1600
Weight without motor (approx. kg)	1950	2450	2900
Drive			
Motor size (kW)	160 - 250	250 - 355	355 - 450
Speed 50 Hz/60 Hz (rpm)	1500/1800	1500/1800	1500/1800
Speed with frequency converter 34-60 Hz	1000-1800	1000-1800	1000-1800

## Standard Supply and Options

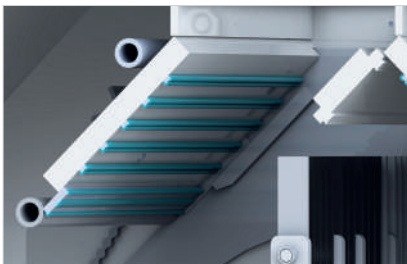
### Standard Scope of Supply:

- Pressure shock resistant up to 0.4 bar and flameproof
- Automatic door locking with standstill monitoring
- Flexible cam coupling (N-EUPEX) with coupling guard
- Vibration dampers, height adjustable
- Manually operated inlet flap with position switch for changing the direction of rotation
- Sealing flange for the grist outlet
- 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 changing device
- 2 sets of screens ready mounted on screen cages, 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
- Pneumatically operated inlet flap (automatic change of direction of rotation)



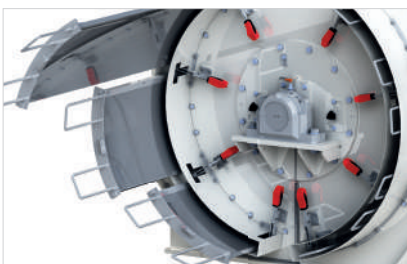
**A** Hardened impact area



**B** Special rotor design



**C** Beater frame system for quick and easy beater change



**D** Screens in screen cages for quick and easy screen change



**E** Pneumatically operated inlet flap (option)



**F** Bearing and grinding chamber temperature monitoring