

HAMMER MILL – HIGH-SPEED MILL SERIES NDK AND NDK (S)

THE ROBUST STANDARD MACHINE FOR WET GRINDING WITH THE ADDITION OF LIQUIDS.

The NDK (S) hammer mill has been specially designed for the wet grinding of cereals, potatoes, fruits, organic waste, with added liquids. Liquid quantities of e.g. water and additives e.g. enzymes are continuously added to the grinding process in dosed quantities through connection openings in the product inlet area. The product can be pumped after grinding. The NDK (S) Series comprises four sizes with a drive-power range between 55 and 160 kW.



TECHNICAL DETAILS

- Strong welded-steel construction with symmetric design, allowing rotation in both directions
- Strong wear-resistant parts protect the grinding chamber and are easy to maintain
- Two position inlet flap with proximity switches to change direction of rotation
- Large hardened impact plates at both sides of the mill inlet area to ensure best grinding performance
- Catch-trap for foreign bodies inside the grinding chamber to protect the screens
- Dynamically balanced long-life rotor in special design equipped with 6 mm beaters
- Quick beater change by using our special Beater Quick-Change Device
- Wide opening doors allow easy access to the grinding chamber and for changing the beaters
- Two screens that can be easy and individually changed
- Grist spectrum can be varied by a frequency converter (FC) and the beater configuration
- Typ NDK(S): Mill body and rotor made of stainless steel V2A/1.4301 / AISI304

Tietjen high-speed hammer mills prove their worth operating 24 hours a day, 7 days a week – often in the harshest of environments. The reliability of our machines is legendary.

Mill Type	NDK 4 (S)	NDK 5 (S)	NDK 7 (S)	NDK 9 (S)
Grinding chamber diameter	680 mm	680 mm	680 mm	680 mm
Screen width	400 mm	520 mm	760 mm	1000 mm
Grinding chamber area	0.6 m ²	0.8 m ²	1.18 m ²	1.540 m ²
Dimensions and Weights				
Length* (approx.)	2010 mm	2210 mm	2610 mm	3010 mm
Width (approx.)	1220 mm	1220 mm	1220 mm	1220 mm
Height (approx.)	1195 mm	1195 mm	1195 mm	1195 mm
Weight without motor	1350 kg	1400 kg	1550 kg	2800 kg
* depending on motor size				
Drive 3000 1/min, 50 Hz (speed between 1800 and 3600 1/min (34 – 60 Hz)				
Power range (kW)	55 kW	- 75 kW	75 kW - 90 kW	90 kW - 132 kW
				132 kW - 160 kW

Smooth running large-chamber grinder at an under load noise level below 90 dB (A)

Common application ■

STANDARD SUPPLY AND OPTIONS

STANDARD SCOPE OF SUPPLY:

- Multi-layer coating: colour RAL 9001 (cream)
- Automatic door-locking system with stand still monitor
- Manually operated inlet flap with proximity switches
- Elastic pin coupling (N-Eupex) with protection hood
- Vibration dampers, height adjustable
- Sealing frame between the mill outlet and under hopper intake
- Electrical components pre-wired into terminal boxes
- Drive motor B3 with integrated PTC sensors
- 1 set of beaters fitted on rotor in the mill
- 2 sets of screens, one set fitted in the mill
- 1 set of special tools

OPTIONALE AUSRÜSTUNG:

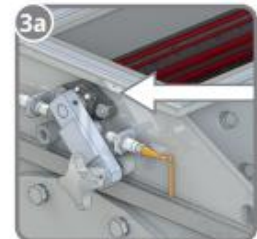
- 2 sets of screens, one set fitted in the mill
- Security package:
 - Bearing-temperature monitoring
- Pneumatic servo drive for mill inlet flap (for remote control of rotation direction change)
- Beater Quick-Change Device



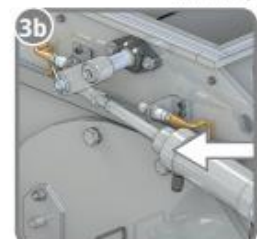
Hardened impact plates



Inlet flap



Manually operated inlet flap



Pneumatically operated inlet flap



Bearing-temperature monitoring



Anschlussöffnungen für die Flüssigkeitszugabe