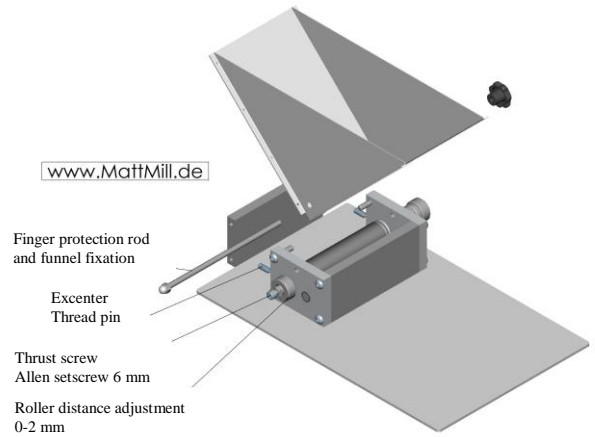
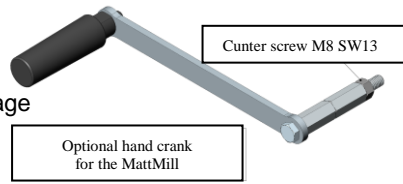


- 1.1 Objective
- 1.2 Exclusion of Liability
- 1.3 Warning
- 2. Operation, Cleaning & Storage
- 3. Adjustment
- 4. Hand Crank (optional)



### 1.1 Objective

This present construction MattMill is a device for the manual crushing of dry barley and wheat grains, respectively, with the purpose of preparing malts for mashing at a homebrewer scale (non-commercial).

### 1.2 Exclusion of Liability

This present construction was designed to the best of the constructor's knowledge and belief. The distributor cannot be held liable for imperfections of the design and is hereby excluded. For the incorrect usage, i.e. differing from section 1.1, especially the non-stop operation and the installation of a motor, only the operator of the construction can be held liable.

### 1.3 Warning



During the operation of the MattMill sources of danger are existent. Only adult persons are allowed to use the system! Do not remove safeguards! Only operate with the funnel attached. During usage any manual intervention is dangerous and can lead to major injuries. Crushing of material not stated in section 1.1, especially the insertion of foreign matter must be excluded by the operator.

The device is not suitable for the long-term storage of goods and has to be filled directly before use. Any leftover has to be removed instantaneously.

### 2.1 Operation and Cleaning

The MattMill does not require any servicing. In case of any irregularity during operation please contact the distributor. Cleaning must be performed dry without water or moisture by tapping, blowing or brushing off any debris. Occasional check of any screw connection for tight fit is recommended.

### 2.2 Storage

The plastic box in which the mill was delivered in (optional) can be used as storage compartment. Cool and dry storage is recommended in order to avoid corrosion.

### 3. Roller distance adjustments

The distance between the two rollers can be adjusted using the excenters. The recommended gap size is 1 mm (factory settings). For a finer degree of grinding two separate runs should be conducted. The adjustment to the material can be executed steplessly up to a gap size of 2 mm.

For this, loosen the Allen setscrew on the side of the housing with a 6 mm-Allen key. Synchronously twist both excenters, check that the gap is parallel using a thickness gauge, tighten the excenters carefully.

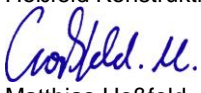
Pay attention to the correct fit of the excenter bearings. Also pay attention that the rollers are in parallel and that the movement of the rollers can be done without force. Check the gap. Strictly avoid contact between the rollers (0 mm) or jamming!

### 4. Hand crank (optional)

For the installation of the hand crank disassemble the thrust screw (if installed). Detach the finger protection rod and the funnel. Inhibit the counterclockwise rotation of the rollers by adding a wooden chock. Do not use a screwdriver for this purpose. Hold the chock from below between the rollers during the release of the thrust screw to prevent a rotation of the rollers. Loosen the locking nut of the thrust screw counterclockwise using a wrench (size 13). Remove the thrust screw and attach the hand crank to the thread (size M8) with a clockwise rotation. Tighten the handle with the locking nut. Finally, attach the funnel and the finger protection rod. The MattMill is ready to use with the hand crank.

Kirkel, 30.10.2010

Hoßfeld Konstruktionsbüro und Techn. Dienstleistungen Eibenweg 4, 66459 Kirkel, hossfeld@CADin3D.de



Matthias Hoßfeld