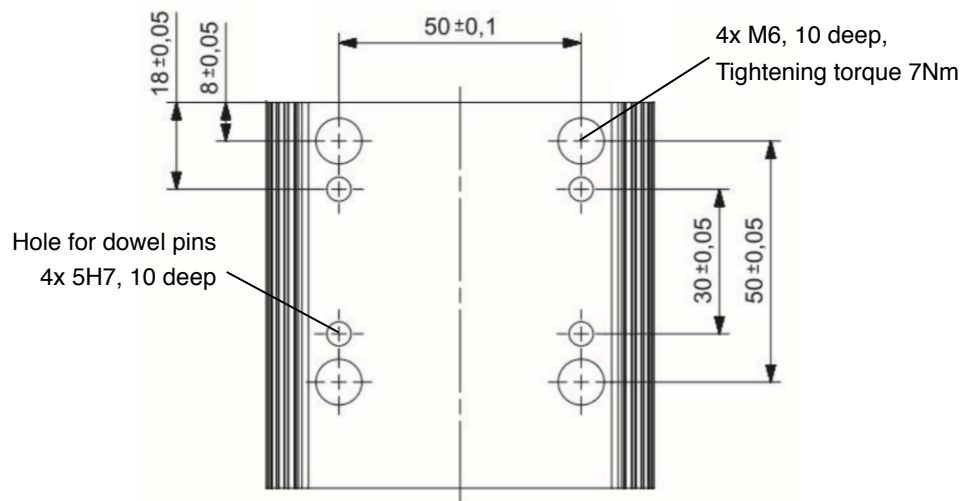


Which exact adjustments must be done depends on the CNC-router and its software. For further instructions please contact your CNC-router supplier.

More assistance for common information of the milling motor and safety, you will find in the original Instruction of AMB-ELEKTRIK which is included in scope of supply.

HOLE PATTERN FOR ASSEMBLY TO CNC-ROUTER



AMB 1050 FME-U (230V)
 AMB 1050 FME-U DI (230V)
 AMB 8000 FME-U (110V)
 AMB 8000 FME-U DI (110V)



PROGRAMMING GUIDE FOR TOOL CHANGING SYSTEM

1050 FME-U | Speed table

Pot position	1	2	3	4	5	6
Speed x 1.000 rpm	3,5	7,1	11	14,8	19,3	22

1050 FME-U DI | with external speed adjustment

1 Portal connection (three-core)

- brown: 10 - 26 V DC for power supply
- green; 0 - 10 V DC for motor speed control
- weiß: 0 V for ground / GND

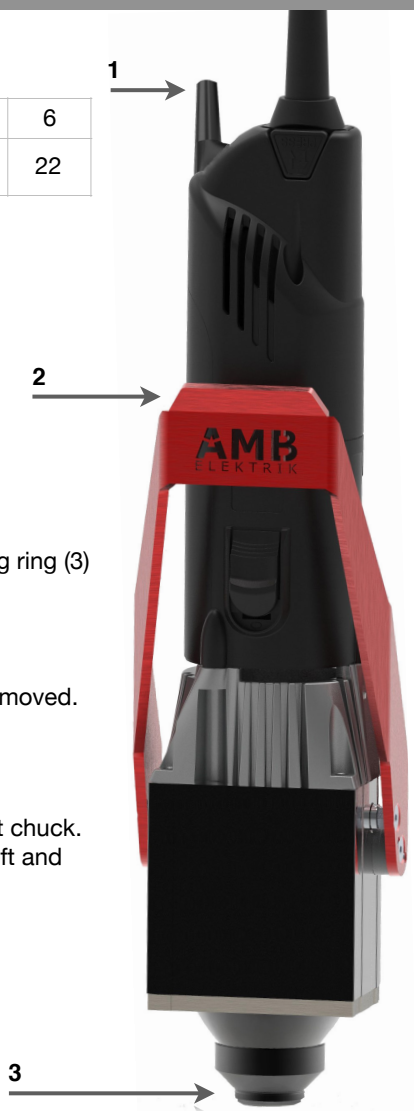
2 Clamping lever to release and clamp the clamping ring (3)

Clamping lever up = tool clamped = unit ready for operation.

Swivel clamping lever 90° in front = tool can be removed. = motor must stop before.

3 Clamping ring with bayonet lock

serves to accommodate the standard ER 16 collet chuck. To unlock and remove the collet, turn 45° to the left and remove the clamping ring with collet downwards.



70213_2020-02 Beiblatt zur Bedienungsanleitung

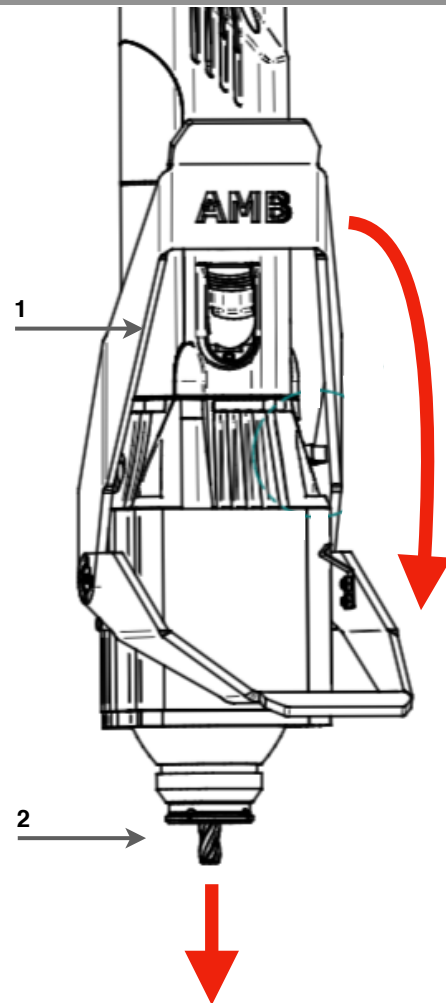


IMPORTANT NOTE ABOUT THIS SYSTEM

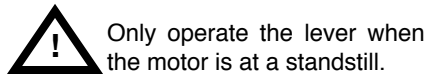
This tool change system was designed under the premise of a fast tool change with simultaneous improvement of the milling pattern. The special lightweight construction allows the use even with smaller portals.

The use of commercially available ER16 collets allows the use even in rough industrial environments.

CHANGING TOOL



1. Move swivel lever 90° to the stop.



Only operate the lever when the motor is at a standstill.

2. Take out the tool.
3. Reassembly in reverse order.

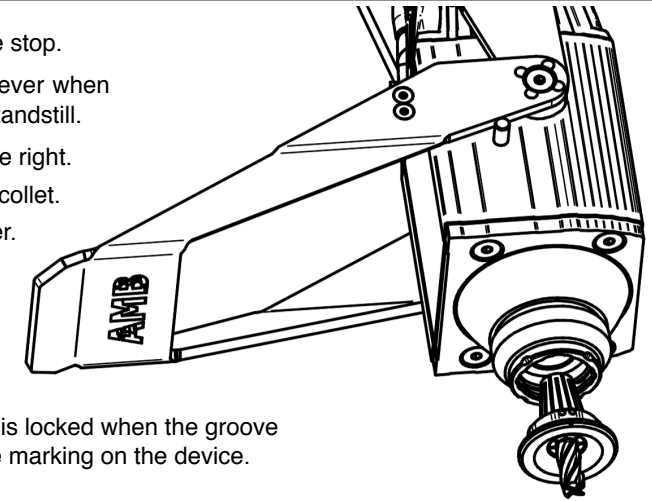
CHANGING ER16 COLLET

1. Move swivel lever 90° to the stop.

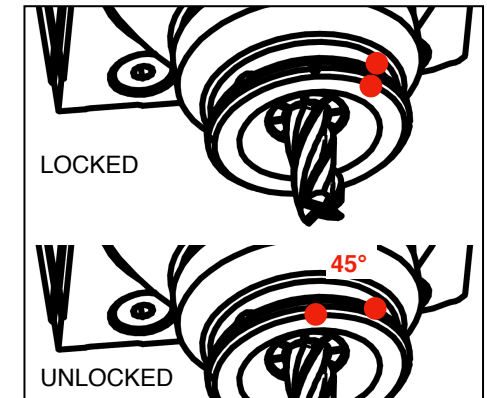
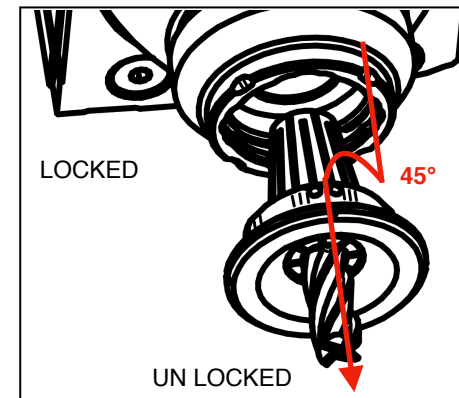


Only operate the lever when the motor is at a standstill.

2. Turn clamping ring 45° to the right.
3. Take out clamping ring and collet.
4. Reassembly in reverse order.



The clamping ring is locked when the groove corresponds to the marking on the device.



USING THE DIGITAL INTERFACE OF THE MILLING MOTOR



Please note: even when the trigger of the rotor is switched on, the motor will not start unless it gets a signal from the CNC-router control.

When the milling motor is connected to the CNC-router, the speed can be controlled stepless between 3.500 rpm and 22.000 rpm from there. From 0-1 Volt the milling motor does not move. The speed follows the signal for speed control. The figure below shows the exact curve of the speed control from 0-10 Volt.