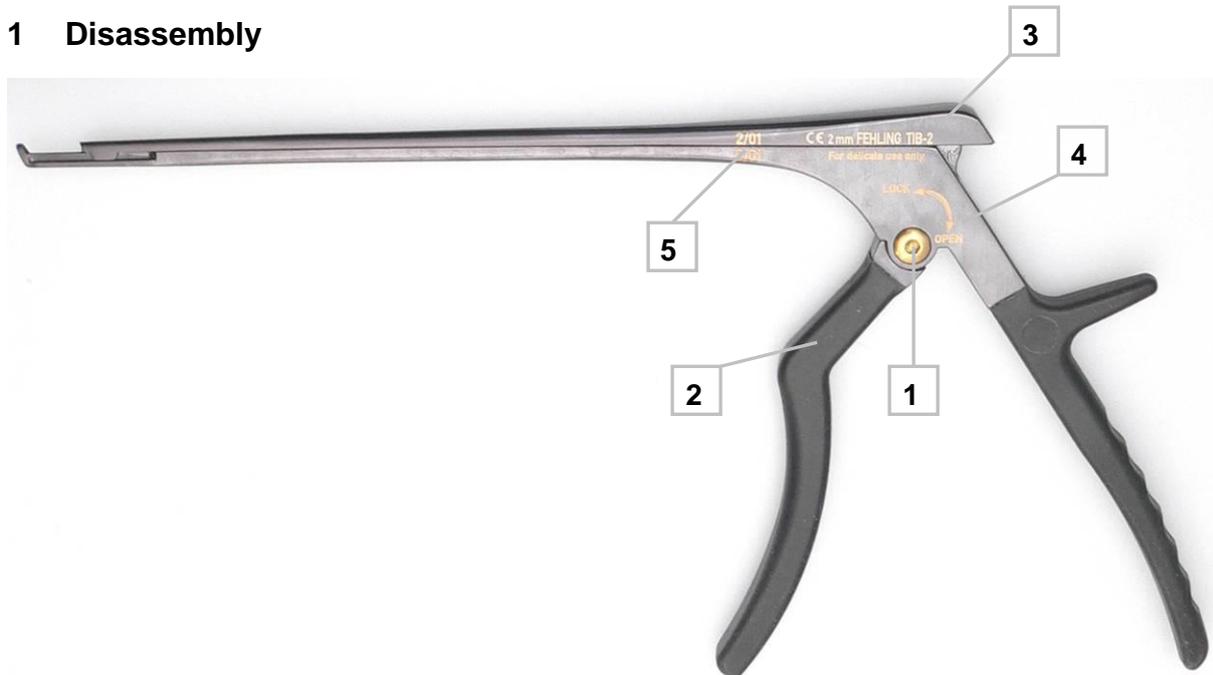


## CERAMO® GENTLE PUNCHES

### 1 Disassembly



- For disassembly place the punch on a solid worktop. Unscrew the hex head screw (pos. 1) by turning it **clockwise** using the supplied screwdriver TXX-0X, and remove.
- Pull the anterior handle element (pos. 2) downward and separate it from the punch body (pos. 4). ATTENTION: When removing the handle element, the slider (pos. 3) is released automatically.
- Now the slider (pos. 3) can be easily removed from the punch body.
- Always clean the four components in the same container.



## OPTION:

Newer punch models have an app. 20 mm long groove-like profile at the proximal end of the slider (see fig. 1). When the slider is rotated by 180° around its longitudinal axis, the profile – now at the bottom – can be inserted into the proximal guide of the slider up to the stop. This way, the slider remains attached to the punch body even during washing what could facilitate the matching of the sliders and punch bodies that belong together upon assembly (see fig. 2).



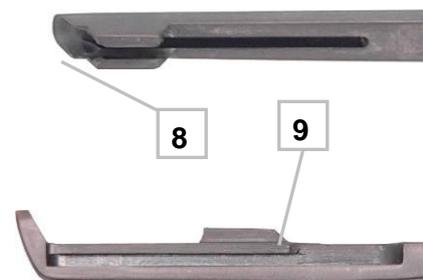
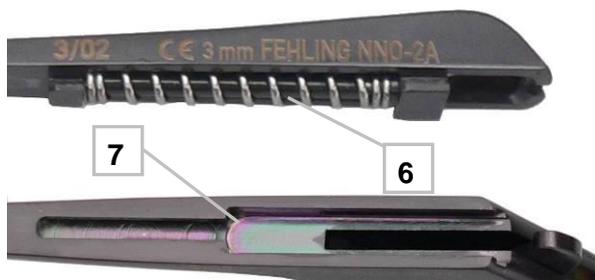
Fig. 1



Fig. 2

## 2 Assembly

Each GENTLE X punch consists of four components: punch body, slider, anterior handle element, and screw. The anterior handle element and the screw are universal components that can be used with all GENTLE punches, while the punch body and the slider must always be assembled with their matching companion part. Component compatibility can be verified by means of the identification number (pos. 5) that is marked on all components (except the screw).



- a) Place the slider with the spring (pos. 6) on the milled groove (pos. 7) in the punch body, and the front guide of the slider (pos. 8) on the guiding rail (pos. 9) of the punch body at the same time.



- b) Hold the punch components in both hands, and with your right thumb slowly push the slider to the front until the rear end of the slider guide (pos. 10) is no longer visible (pos. 11). Hold this position.

- c) With your left hand slowly push the handle element through the matching recess in the punch body upward at a slant. Push the handle element until the upper end interlocks with the slider.
- d) Screw the hex head screw **counterclockwise** into the provided screw hole using the supplied screwdriver TXX-0X. Tighten the screw. ATTENTION: Do not over-tighten.
- e) The punch is ready for use after a functional test.

### 3 Warning

**Please observe the following to avoid damage to the hexagon socket screws:**

**The screws (TXX-2X) have a left-handed thread. So please absolutely observe the direction of rotation when screwing the screws in and out.**

**Do not use force when screwing the screws in and out. This is absolutely not necessary. Turning the screws by force damages the hexagon socket profile.**

**Please replace the screw or the screwdriver or have it replaced by the manufacturer immediately, when damage to the hexagon socket profile or the screwdriver profile are visible.**

**The screwdrivers TXX-0X can be cleaned using cold water and a mild cleaner. They are not suitable for cleaning in hot water and vapor sterilization at 134°C. Sterilizable screwdrivers for use in the operation theatre are available upon request.**