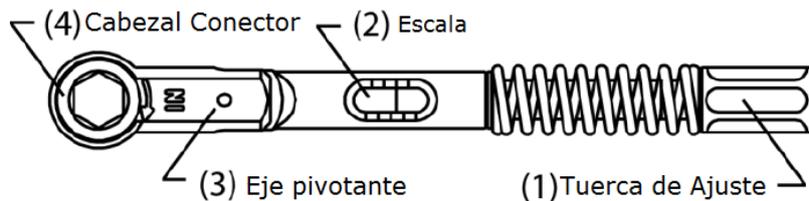


## INSTRUCTIONS FOR USE OF TORQUE WRENCHES

Please carefully read the instructions below to guarantee the correct use of the product with complete safety.

In compliance with Directive 93/42/EEC and the later modification to Directive 2007/47/EEC, the required information is provided for efficient and safe use of emexact®. manufactured products.

### DIAGRAM



### INTENDED USE

- This wrench has been designed for use in dental applications. It should only be used by qualified personnel.
- It is used to insert and extract dental implants and their screws, through the pre-adjustment of the torque.

### INSTRUCTIONS

- **Torque adjustment:** It can be adjusted with the adjusting nut (1). A scale (2) (of 10 to 45 Ncm) against the wrench indicates the torque to be applied. Increases of 5 Ncm are clearly marked on the sides of the scale. It is recommended to follow the instructions of the implant and screws manufacturer, in order not to apply excessive torque, which could damage the whole implant.
- **Torque locking** Maximum adjustment of the tightening torque deactivates the torque characteristics. Do not over-tighten.
- **Storage:** Store in a loose position, not over 20 Ncm.

**OPERATION:**

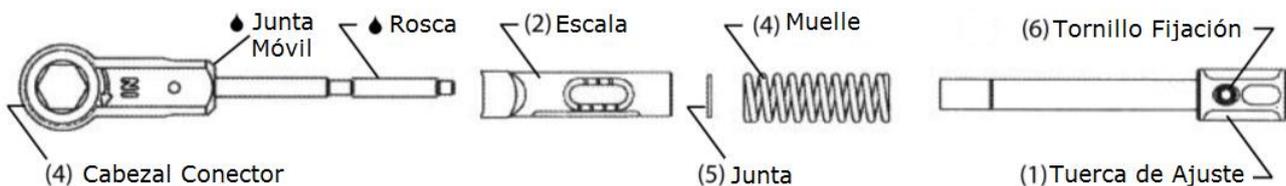
- Force should only be applied to the head of the adjusting nut (1).
- When the required tightening torque is reached, the wrench bends around the pivot (3) in the the wrench header and makes an audible click. **At this point, pressure of the wrench stops** - otherwise it could become damaged..
- The wrench returns to its normal direction when force is no longer applied.

## MAINTENANCE

- emexact® products are non-sterile
- **They should be cleaned, disinfected and sterilized before use.**
- Do not use abrasive detergents when cleaning, and do not apply excessive pressure.
- To avoid damage, do not clean with a wire brush or metal elements.
- Use only cleaning solutions and disinfectants with a pH of between 5 and 10. Please read the manufacturer's instructions of the product carefully (intended use, dose, time, renewal period).
- Frequent and careful cleaning will not deteriorate the lifespan of the product.
- The lifespan of the product is determined by wear.
- It is recommended to calibrate the wrench once a year.
- The wrench should be cleaned and sterilized after each service.

## DECONTAMINATION

- If contamination in the product is suspected, dismantle the wrench and thoroughly clean all the parts.
- Clean the parts with cold water and a soft disinfection brush until there are no residues visible.



## CLEANING AND DISINFECTION

- **Manual Cleaning and Disinfection**

- **Ultrasound cleaning bath**

- Add a cleaning solution for the ultrasound bath. Place the parts in a metal basket and then insert the basket in the bath.

- Set the bath at 35-40 kHz at a temperature of 50°C.

- Clean for 3 minutes, making sure that parts are fully submerged.

- **Treatment after the bath**

- Rinse the parts in cold, preferably deionised, water. Dry the parts using a lint-free cloth.

- The scale, adjustment torque and connector header should be insufflated using sterile, compressed air.

- **Automated Cleaning and Disinfection**

- **Washer/Disinfector**

- Place the parts of the Torque Wrench to be cleaned in a basket, which should not be overloaded.

- Start the programme Rinsing is usually followed by chemical cleaning at 40° to 60°C.

- Chemical residues are cleaned by another cleaning cycle. Corrosion owing to neutralizing agents, should be avoided.

- Disinfection is achieved at 90° to 95°C.

- Parts are treated with deionized water and then dried.

- Once the programme has finished, the material should be immediately removed from the washer/disinfector.

## MAINTENANCE AFTER WASHING, CONTROL AND FUNCTIONAL TESTS

- Leave the parts to cool at room temperature and visually inspect the parts, to ensure that there are no residues or other contaminants. Repeat the cleaning process, if necessary.
- Apply a small drop of oil to the points marked with ◆ in the exploded-view diagram (mobile gasket and thread).
- Assemble the wrench and test its correct operation.

## PACKING AFTER CLEANING/DISINFECTION

- Place the wrench in a compatible sealed container, in accordance with standard ISO 11607 and EN 868.

## RECOMMENDED STERILIZATION METHOD

- Fully loosen the torque before sterilization
- **Method:** Fractioned, pre-vacuum process
- **Temperature:** Hot up to 134°C (maximum 137°C)
- **Pressure:** 3 pre-vacuum phases with at least 60 millibars of pressure
- **Waiting time.** at least 5 minutes
- **Drying time.** at least 10 minutes
- After sterilization, ensure that the packaging of sterilized instruments is not damaged.
- Check sterilization by using indicators.

## PACKAGING CONDITIONS

- Sterilized Torque Wrenches should be stored in a dry, dust-free and corrosive-free area at a moderate temperature.

## WARNING:

- Do not loosen fastening screws of the adjusting nut (6), as this could cause the loss of the tightening torque and calibration.

SYMBOLGY AND DESCRIPTION

Símbolo	Descripción
	Fecha de Fabricación
	Fecha de caducidad
	Un solo uso. No reutilizar
	Número de Lote
	Ver las instrucciones de uso
	Datos del Fabricante
	Producto No estéril
	Marca MDD CE