



By purchasing this sterile container system, you are acquiring a high-quality product. Proper handling and use are described in these instructions for use.

To minimise risks and unnecessary strain on patients, users and third parties, please read these instructions for use carefully before use and keep them for future reference.

**The TIGER dressing saw is an electric, oscillating saw designed for cutting through plaster and hard plastic casts.**

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## Manufacturer in accordance with EU MDR 2017/745



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## 1 Warnings and precautions



- The product is electrically operated and must not be used in potentially explosive atmospheres
- To be used only by trained specialist personnel.
- Before each use: visual and functional inspection (cable, plug, housing, start-up behaviour).
- Warning regarding components posing a risk of injury (saw blades).
- Patient and user safety:
  - Do not use with damaged blades.
  - Do not allow moisture to enter the device.
  - Do not touch any moving parts.
- During operation, noise emissions of up to 77 dB(A) are generated. Prolonged exposure in the immediate vicinity of the device may lead to increased noise exposure.
- Vibrations may occur due to the oscillating movement. The device should therefore always be handled with care and used only for its intended purpose.

## 2 Possible complications



- Injuries caused by incorrect blade selection
- Overheating of synthetic bandages
- Blockage of the saw blade
- Burns caused by frictional heat
- Risk of electric shock from faulty cables

## 3 Container system



The use of medical devices poses a hazard in the vicinity of an MRI scanner. Individual medical devices must not be located in the immediate vicinity of the equipment whilst these procedures are being carried out.

## 4 Use and handling

### 4.1 Intended use

This product is intended exclusively for use by trained medical professionals. It is intended for use in clinical facilities, doctors' surgeries or similar professional medical environments. The product is not intended for domestic use. It is used on patients exclusively for the removal of external plaster or hard plastic casts.

### 4.2 Indication

The product is intended for cutting open and removing external plaster and rigid plastic casts.

### 4.3 Contraindications

The product must not be used:

- for surgery on the human body
- invisively in or on the human body
- for use on open wounds
- on skin defects or infections
- for purposes other than the processing of external dressing materials

### 4.4 Operation and use

- Start-up behaviour: smooth
- Blade change using tools only (40.50.71)
- Warnings when changing: **Do not reach into the saw teeth**

### 4.5 Selection of saw blades

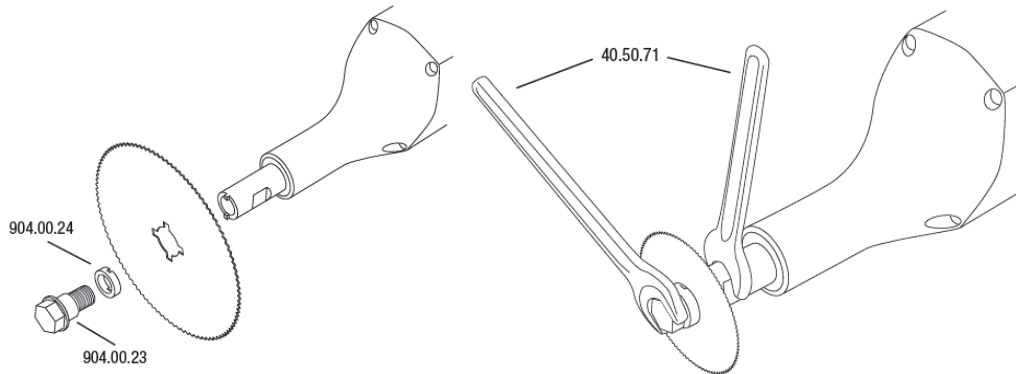
40.50.65	50 mm	Saw blades for hard plastic and fibreglass splints
40.50.66	65 mm	
40.50.68	50 mm	Saw blades for plaster casts
40.50.69	65 mm	

## 4.6 Commissioning

Before initial commissioning and before each subsequent use, ensure that the device is in perfect working order and suitable for the intended operation. The following steps must be strictly observed:

### 4.6.1 Visual and functional inspection before connecting to the mains

- Check the device for external damage (housing, cable, plug, saw head).
- Check that the saw blade and fasteners (ring 904.00.24 / nut 904.00.23) are fully and correctly fitted.
- Carefully check moving parts by hand (no blockages).



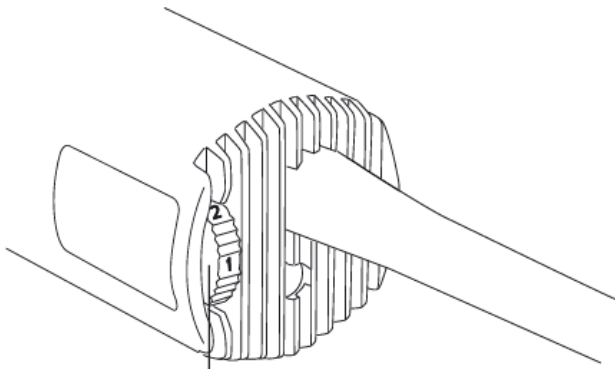
- Ensure that there are no liquid residues in the vicinity of the ventilation slots or electrical components.
- Confirm that the product is not being used in a damp environment.

### 4.6.2 Mains connection

- Before connecting, check that the mains voltage at the site of use corresponds to the voltage specified on the type plate
- Only connect the device to a properly installed and earthed socket.
- Insert the mains plug fully and ensure strain relief.
- The device must be positioned and operated in such a way that the mains plug is accessible at all times and can be quickly disconnected from the mains supply in an emergency.

### 4.6.3 Switching on and operational check

- Before connecting, check that the mains voltage at the installation site corresponds to the voltage specified on the type plate
- Only connect the device to a properly installed and earthed socket.
- Insert the mains plug fully and ensure strain relief.
- The device must be set up and operated in such a way that the mains plug is accessible at all times and can be quickly disconnected from the mains supply in an emergency.



### 4.6.4 Checking the overload protection

The saw has an internal protection circuit which switches off the motor in the event of a blockage.

- A brief functional test without a load is sufficient.

- The device must never be deliberately jammed in order to test the protection.

#### 4.6.5 Selection and inspection of the saw blade

- Use only approved saw blades (plaster / plastic / fibreglass).
- Ensure that the saw blade is securely tightened.
- Replace blunt or damaged blades immediately.
- Ensure that the choice of blade is suitable for the type of dressing (Note: synthetic dressings → use a special coating)

#### 4.6.6 Functional test under light load

- Start at a low vibration frequency and check whether:
  - The vibration is even
  - no irregular noises occur
  - the overload protection does not activate unexpectedly
  - Then gradually increase the vibration frequency.

#### 4.6.7 Preparation for clinical use

- Place the device in a dry, well-ventilated working environment.
- Keep the work area free of flammable substances (the device must not be operated in potentially explosive atmospheres).
- Route cables so that there is no risk of tripping or pulling.

## 5 Cleaning, disinfection

### 5.1 General principle

This is an electrical appliance

- NOT suitable for machine reprocessing (no RDG)
- NOT sterilisable
- NOT submersible

### 5.2 Cleaning after use

- Remove dust and dressing residues with a slightly damp cloth
- The device must not be immersed in liquid under any circumstances
- Always disconnect from the mains before cleaning
- Do not use abrasive cleaners
- Do not use high-pressure cleaners or an ultrasonic bath
- Do not spray disinfectant foam into openings

### 5.3 Preparation of saw blades

- Saw blades are reusable instruments
  - Reprocessing is carried out in accordance with GATDN00X (Standard Instrument IFU)

## 6 Check / Inspection

- Maintenance to be carried out only by authorised service
- Spare parts under point 11

For service and repairs, please contact your local MEDICON eG representative.

## 7 Liability



ATTENTION: Under US law, this product may only be purchased in the USA by a doctor or hospital, or upon presentation of a valid prescription.

**Validity of the instructions for use:**

The latest revision is always valid. Due to technical developments, the instructions for use are updated regularly. The version date and revision number are indicated on the document. Please ensure that you are using the current version.

**Disclaimer:**

MEDICON eG accepts no liability for damage caused by

- improper use,
- use not in accordance with the intended purpose,
- incorrect handling, care or maintenance,
- failure to comply with these instructions for use,
- modifications or repairs carried out without the written consent of MEDICON eG
- or repairs carried out by unauthorised workshops.

Furthermore, liability for defects shall not apply in the event of modifications or repairs to the product without the prior written consent of MEDICON eG, or in the event of repairs carried out by unauthorised workshops.

**8 Disposal**

Before disposal, the product must be cleaned and handled in accordance with local regulations. Electrical devices may be returned to Medicon eG at the end of their service life.

**9 Transport and storage**

Ambient temperatures must not fall below 5 °C or exceed 40 °C. Humidity must not exceed 80%.

**10 Technical data / Specifications**

<b>40.50.81</b>	Saw 120 volts, 60 Hz, 500 watts
<b>40.50.82</b>	Saw 230 V, 50 Hz, 500 W

- Infinitely adjustable from 6,500 to 24,000 oscillations
- Fully automatic load compensation across the entire oscillation range
- Motor with dust protection
- 52–77 dB(A) depending on the set oscillation speed













The device meets the essential safety requirements for electrical medical equipment in accordance with the IEC 60601 series of standards. The device complies with Protection Class II and features a Type BF applied part. Electromagnetic compatibility complies with the requirements of IEC 60601-1-2.

**11 Accessories / Spare parts**

<b>Accessories</b>	
<b>40.50.65</b> 50 mm	Saw blades for hard plastic and fibreglass splints

40.50.66	65 mm	
40.50.68	50 mm	Saw blades for plaster casts
40.50.69	65 mm	
40.50.71		1 pair of open-ended spanners for saw blade replacement
<b>Spare parts</b>		
904.00.23		Fastening nut for saw blades
904.00.24		Retaining ring for saw blades

## 12 Explanation of symbols and illustrations

	Manufacturer		MRT uncertain
	Date of manufacture		CE marking
	Production batch number, batch		Medical device
	Item number		Double insulation Protection class II
	Non-sterile		Type BF application part
	Warning		
	Follow the instructions		