

CC4 Cast Saw

deSoutter
MEDICAL

Index

Item	<u>Page</u>
Warnings and Safety Rules	3
Product Description	3
System Assembly	3
Instrument Controls	4
Blade Assembly	4
Operation	4
Cutting Technique	4
Fault Finding	5
Cleaning and Maintenance	5
Technical Description	6
Conditions for Transport and Storage	6
Supplied Accessories	6
Optional Accessories	6
Explanation of Symbols	7
Equipment Part Number	7
Details Saw Blades	8
Guarantee & Liability	9
Service Information	9
Repair Service	9



Warnings & Safety Rules

Failure to follow these instructions may result in serious injury to the patient or operating staff.

Danger!: Possible explosion hazard if used in the presence of flammable anaesthetics.

Only permit trained personnel to use this equipment.

Do not connect the equipment to the mains supply until all the instructions have been studied.

Always check that the voltage stated on the identification plate corresponds with the electrical supply.

Carefully inspect all equipment and accessories before use. Do not operate the equipment if it appears damaged or incorrectly installed.

Always test the equipment prior to use, and check for malfunction or rapid temperature rise. Do not use suspect or damaged equipment.

Always use eye protection when cutting to prevent injury from flying debris.

Always ensure that no loose articles can be caught by the moving parts of the equipment.

Always disconnect the equipment from the electrical supply when cleaning, changing accessories or when not in use.

Always allow the equipment to stop before removing from the cutting site.

Do not immerse the equipment in fluids.

Do not drop the equipment.

Do not clean with liquid or disinfectants.

Do not clean in an ultrasonic cleaner.

Do not use this saw to cut wet plaster.

Do not operate this saw with wet hands.

Product Description

The De Soutter Medical Model CC4 is a mains voltage oscillating saw designed for the safe removal of surgical casts.

System Assembly

Mains Supply Lead

If an unsuitable plug is fitted to the mains lead, remove and destroy this plug before disposal.

The wires in the mains lead are coloured in accordance with the following code:

Blue - Neutral

Brown - Live

Connect the wires in the mains lead to a suitable plug as follows:

Blue wire to the terminal marked either letter **N** or coloured blue or black.

Brown wire to the terminal marked either letter **L** or coloured brown or red.

Note: A 3-Amp fuse should be used to protect the instrument.

Instrument Controls

Main On/Off Switch: Located at the front of the instrument. Push the switch forward and down to activate the saw.

Blade Assembly

Attach the blade of choice to the tool output shaft, secure the blade clamp screw and tighten with the hexagon key.

The blade may be repositioned on the saw output shaft up to five times, therefore always presenting an unused section of the blade.

Operation

Before connecting to the mains electrical supply, the operator is advised to handle the instrument and determine the most convenient hold to carry out the cutting operation. The operator's hand must not restrict the flow of air to the ventilation slots in the body of the instrument.

Cutting Technique

Do not exert excessive working pressure - allow the blade to cut at its own rate. Excessive pressure will cause overloading of the motor, without increasing the cutting speed.

Caution: Excessive cutting pressure will also cause the blade to over heat which may result in injury to the patient. Like wise badly worn blades will generate excessive heat and therefore they should be inspected and replaced regularly.

Make the first cut both downwards and slightly sideways at approximately 30 degrees in order to keep one side of the blade out of contact with the cast. This will allow the operator a greater sense of feel when the blade breaks through.

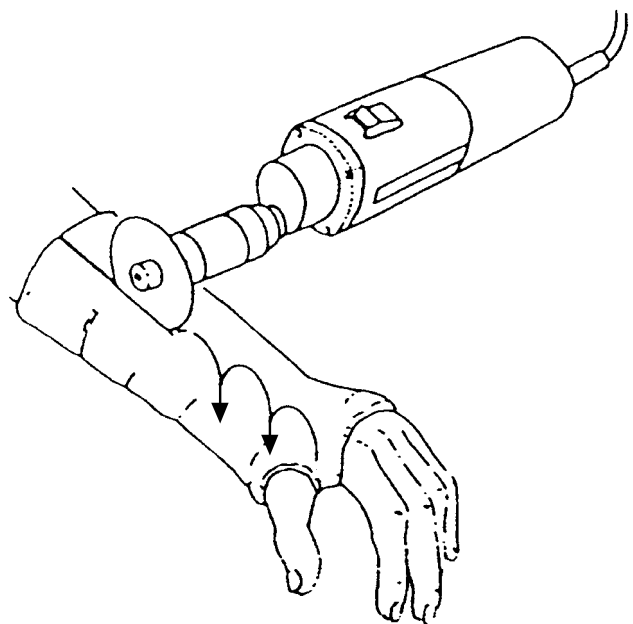
After the first cut, all cuts should be made straight down into the cast. The cutter should be lifted slightly and moved sideways; the second cut can then be taken straight down, the operator feeling the break through quite easily.

Cutting can then proceed in a series of downward cuts, lifting and moving sideways progressively.

The blade may touch soft mobile tissue momentarily without harm under a light pressure, however it should never be permitted to be in contact with the skin for any length of time.

At the end of each operating cycle, the instrument should be disconnected from the mains supply.

The instrument must not be left connected to the mains supply whilst unattended.



Fault Finding

Instrument cuts slowly:

- Check the condition of the blade. Adjust and replace the blade as required.

-

Instrument stops in use:

- Pause to allow the instrument to cool for approximately one minute. After cooling, press in the overload safety reset button, located at the rear of the instrument.

-

Note: Frequent operation of this overload safety reset button should be investigated.

If any problem persists, consult De Soutter Medical.

General Cleaning & Maintenance

The saw should be visually checked at each use for each of the following:

- Condition of the electrical cables, for wear or abrasion.
- Excessive build up of plaster dust.
- The blade for wear and the blade retainer for tightness.

Periodic technical maintenance is not required.

Cleaning: Unplug cast cutter from the mains supply and wipe external parts with a damp cloth. Brush all debris from the ventilation slots at the back and underneath the instrument.

Service Information

Service information for this instrument is available from De Soutter Medical upon request. Alternatively, service is available from your nearest De Soutter Medical Authorised Service Centre.

Technical Description

Supply Voltage	220 - 240V ~(ac) or 100-120V ~ (ac)
Supply Frequency	50 - 60 Hz
Amperage	0.5 Amps (230V) or 1.0 Amps (100-120V)
Motor Power	110 Watts
Oscillating Frequency (120V)	14000 cycles/min (230V) or 16000 cycles/min.
Sound Level	70 dB(A)
Motor Protection	Automatic Overload cut out, manual reset
Mode of operation	Continuous
Degree of protection against harmful ingress of liquids	Ordinary.

Conditions for Transport & Storage

Relative Humidity	90% Max
Temperature	- 20°C to 40°C
Atmospheric Pressure	1.5 Atmospheres Max



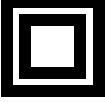



Supplied Accessories

Description	Part No.
Blade	6250
Hexagon Key	204903

Optional Accessories

Description	Part No.
CCS Extractor 230V	1190
CCS Extractor 230V Euro plug	7020
CCS Extractor 230V Australia/ New Zealand Plug	9490
CCS 100-120V (US Plug)	7140
CCS 100V (Japan plug)	7030
Extractor Hose Kit	78472

Symbols

	Alternating Current		Power On
	Class II Type of protection against electric shock.		Power Off
	Type B degree of protection against electric shock		Refer to Operating Instructions

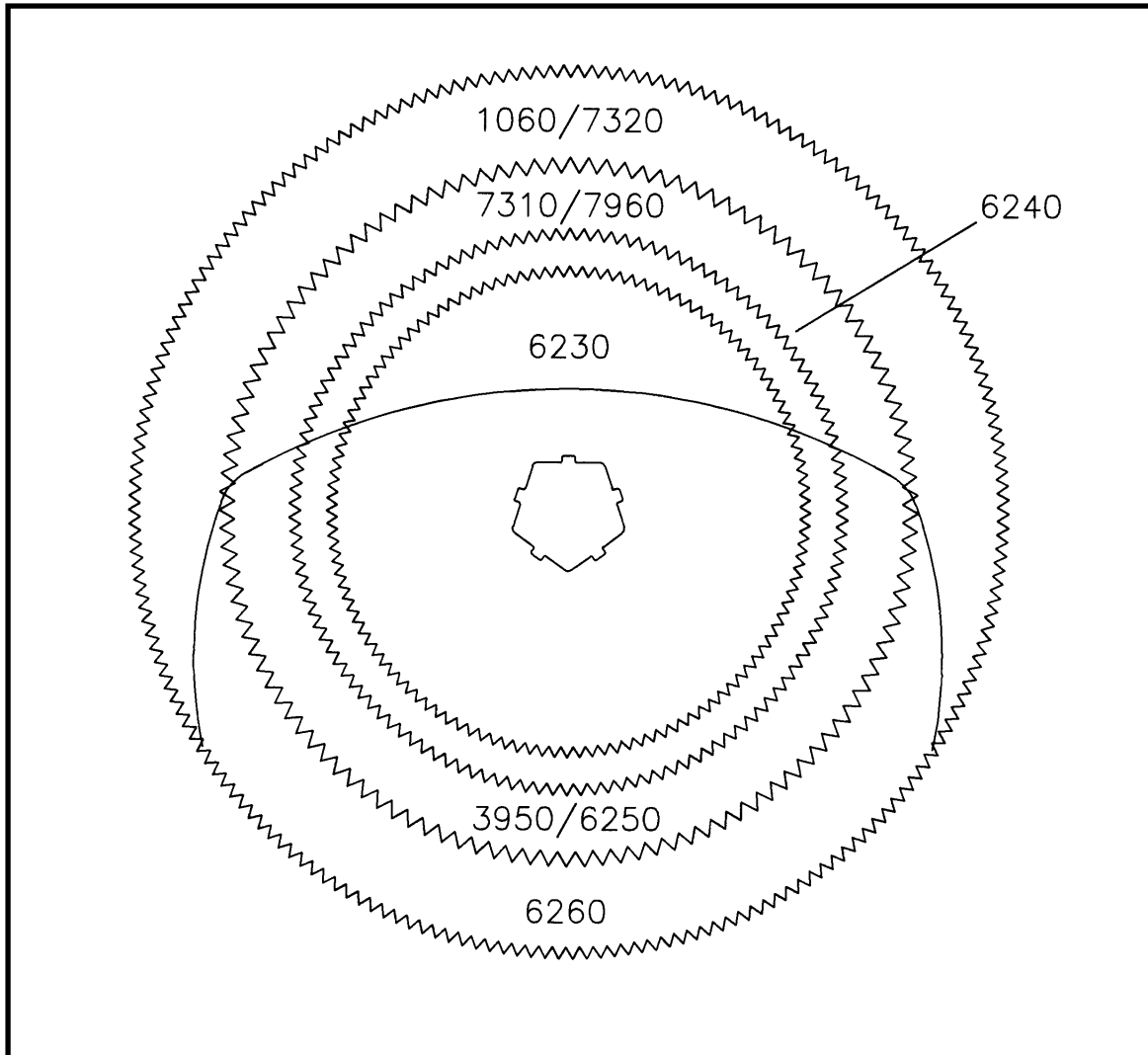
Equipment Part Number Details

CC4 230V
CC4 230V EURO
CC4 230V AUS
CC4 100-120V

Part No. 1280004
Part No. 1270994
Part No. 1281444
Part No. 1280554

Saw Blades

De Soutter Medical offers a full range of saw blades to suit both plaster of paris and synthetic cast materials.



Part No.	Dia.	Type
1060	80	Circular PTFE Coated
3950	64	Circular Tin Coated
6230	44	Circular PTFE Coated
6240	50	Circular PTFE Coated
6250	64	Circular PTFE Coated
6260	80	Segment PTFE Coated
7310	64	Circular Diamond Coated
7320	80	Circular Diamond Coated
7960	64	Circular, Stainless Steel

Guarantee & Liability

De Soutter Medical guarantees all instruments, attachments and accessories to be free from defects in material and workmanship for one year from the date of purchase. Batteries are guaranteed for six months.

De Soutter Medical is not liable by warranty or otherwise in the case of any of the following:

- Abuse, misuse or use in other than the designed purpose;
- Disassembly, alteration or unauthorised repair;
- If the product has not been used in a reasonable manner and in full compliance with the written instructions.

This guarantee does not affect your Statutory Rights in accordance with 1999/44/EEC

Service Information

All powered instruments should be periodically checked and cleaned: in general, annual servicing is recommended for normal use. User service information is available upon request. Service and repair is also available from your nearest De Soutter Medical Authorised Service Centre.

Repair Service

To return an instrument for repair:

1. Record the serial number of the instrument being returned. Enclose a brief statement describing the reason for returning the instrument.
2. Enclose the purchase order number for the instrument if warranty is being claimed. It may be helpful also to include a contact name.
3. Wrap the instrument to prevent damage during shipment and send to the address below.

Please ensure that the tool is properly cleaned and disinfected before returning it for service.



De Soutter Medical Ltd.

River Park, Billet Lane,

Berkhamsted, Herts. HP4 1HL United Kingdom

Tel: +44 (0)1442 860300 Fax: +44 (0)1442 860333

Email: info@de-soutter.bdx.co.uk Website: <http://www.de-soutter.com>