

# CA 1:5 L & CA 1:5

ENG Instruction



REF 2100095-ENG/05.06

## English

### Fully Swiss-manufactured devices.

### Type

Dental contra-angle handpiece, 5x multiplier, with or without light, push-button chuck, 3 internal sprays, non-return valve.

### Planned use

Use in dentistry for general dentistry work.

### Technical data and assembly

#### Type of coupling

#### CA 1:5 L

The most commonly used coupling in the world as per ISO Standard 3964 with internal spray and light with bulb and switch integral with the motor.

#### CA 1:5

The most commonly used coupling in the world as per ISO Standard 3964 with internal spray, without light.

#### Coupling

To use the «spray» function, the instrument must be coupled with an micromotor or airmotor according to ISO 3964.

#### Classification

Class IIa in accordance with European Directive 93/42/CE in accordance with medical directives.

#### Transmission ratio

Red instrument sleeve 5x multiplier.

#### Bur

Diameter of shaft 1,60 mm type 3, in accordance with ISO 1797, max. length 21 mm code 4-5, in accordance with ISO 6360/1, fig. 1.

#### Changing the bur

Push-button grip: fig. 2

Exert traction on the tool to check that it is correctly in place. Always wear gloves or other adequate protection when checking and using the device.

#### Light

The CA 1:5 L is fitted with a double glass bar that is good resistant to sterilization.

#### Important

The device must not be started without a tool inserted into the chuck. To avoid overheating of the push-button, which could cause burns, it should not be pressed inadvertently while the instrument is rotating. Soft tissues (tongue, cheeks, lips etc.) must be protected by deflection with a retractor or a dental mirror.

Never mount an instrument on a rotating motor.

To ensure that your CA-micromotor unit functions with maximum efficiency, it must be cooled by an air supply of 8-10 normliter/min on the nose of the micromotor.

### Maintenance

Maintenance animations at [www.bienair.com](http://www.bienair.com)

Separately clean, lubricate and sterilize the device before the treatment of each patient.

Only use maintenance products and/or components from Bien-Air. The use of other products and components can lead to annulment of the guarantee.

The device is supplied in «non-sterile» form. Before use, please follow the instructions under this heading.

Check that the sterilizer and the water that is used are clean. After each sterilization cycle, remove the device from the sterilizing apparatus immediately, in order to reduce the risk of corrosion.

#### Overhaul

Never disassemble the device. For all modifications and repairs, we recommend that you contact your regular supplier or Bien-Air direct. Bien-Air asks the user to have its dynamic instruments checked or inspected at least once a year thereafter.

#### Cleaning

After each use, the device must be rinsed in running water. Use cleaner Spraynet of Bien-Air fig. 3. Spray the inside and outside of the equipment to remove the residues and carefully clean the surfaces.

#### Disinfection

Disinfect using a clean cloth soaked in a suitable product. Products containing acetone, chlorine and bleach are not recommended as disinfectants.

Never immerse in disinfectant solutions.

Not suitable for ultrasonic bath.

#### Before sterilization

Remove residue, carefully clean the device. To lubricate the device.

#### Lubrication

Lubricate before each sterilization, and at least twice a day. Only use the spray Lubrifluid.

- Remove tool from instrument gripper before lubrication
- Place the instrument in a cloth so as to catch the debris and foreign matter expelled by the atomizer jet.
- Remove the protective cap and insert the nozzle into the back of the instrument sleeve.
- Spray for about 1 second fig. 4.

#### Sterilization

Process: Steam autoclave up to 136°C (277°F). The required time for sterilization of our products must comply with the prevailing local regulations for this type of instrument.

#### Important

**After cleaning and disinfecting/sterilizing the instrument and before using it, operate at moderate speed, with a bur in the chuck, for 10 to 15 seconds to circulate lubricant and remove excess.**

#### Cleaning of spray tubes fig. 5.

Wire cleaner.

#### Environment

Temperature between -40°C (-40°F) and 70°C (158°F), relative humidity between 10% and 100%, atmospheric pressure 50 kPa to 106 kPa (7,3 to 15,3 psi).

#### Application

Product intended for professional use only.

### Information

The technical specifications, illustrations and dimensions contained in these instructions are given only as a guide. They may not be the subject of any claim. The manufacturer reserves the right to make technical improvements to its equipment, without amending these instructions. The French original of this text conforms to the legal standards. For all additional information, please contact Bien-Air at the address indicated on overleaf.

### Generalities

The device must be used by a competent person in accordance with the current legal provisions concerning industrial safety, health and accident prevention regulations, and these working instructions. In accordance with these requirements, the operator:

- must only use working devices that are in perfect working order; in the event of irregular functioning, excessive vibration, abnormal heating or other signs indicating malfunction of the device, the work must be stopped immediately; in this case, contact a repair centre that is approved by Bien-Air;
- must ensure that the device is used only for the purpose for which it is intended, must protect himself, his patients and third parties from any danger, and must avoid contamination through the use of the product.

The device is intended for medical treatment only; any use other than that for which this product is intended is not allowed and may prove to be dangerous. The medical device meets all the current European legal requirements.

Excess material from products used for maintenance (lubricants, cleaning products and disinfectants) originating from CA or PM may penetrate into the electric brush motor and interfere with its functioning. It is essential to follow the maintenance instructions accompanying each product.

### Recommendations

Adhere to the Instructions for Use, in accordance with the instructions of the tool manufacturer. Never use a tool with an incorrect rod, as there is a risk of this becoming detached during the treatment and causing injury to you yourself, to your patient and to third parties.

Rest the device on a suitable support in order to eliminate the risk of injury to you yourself, to your patient and to third parties.

### Guarantee

#### Terms of guarantee

Bien-Air grants the operator a warranty covering all functional defects, material or production faults. The device is covered by this warranty for 12 months from the date of invoicing.

Bien-Air also offers a 24-month guarantee for the glass-bar light conductors.

In the event of justified claims, Bien-Air or its authorized representative will fulfil the company's obligations under this guarantee by repairing or replacing the product free of charge. Any other claims, of whatever nature, in particular in the form of a claim for damages and interest, are excluded.

Bien-Air shall not be held responsible for damage or injury and the consequences thereof, resulting from:

- excessive wear and tear
- improper handling
- non-observance of the instructions for installation, operation and maintenance
- unusual chemical, electrical or electrolytic influences
- poor connections, whether of the air water or electricity supply.

The guarantee does not cover flexible «fibre optic» type conductors, or any parts made of synthetic materials.

The guarantee shall become null and void if the damage and its consequences are due to improper manipulation of the product, or modifications to the product carried out by persons not authorised by Bien-Air.

Claims under the terms of the guarantee will be considered only on presentation, together with the product,

of the invoice or the consignment note, on which the date of purchase, the product reference and the Serial No. should be clearly indicated.

Type 3 / ISO 1797  
Code 4-5 / ISO 6360-1

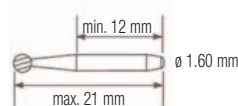


fig. 1

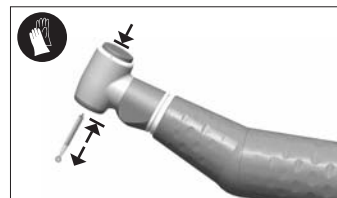


fig. 2

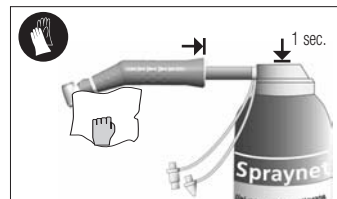


fig. 3

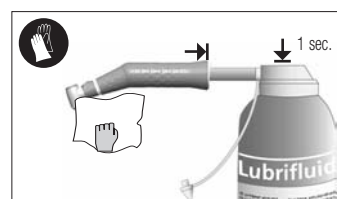


fig. 4



fig. 5

### Symbols

Wear rubber gloves

Light

Movement fully to the stop, in the direction indicated

Movement in the direction indicated

REF	Legend
1600386-001	Contra-angle CA 1:5 L, 5x multiplier, dual glass optics, push-button chuck, bur $\varnothing$ 1.6 mm, non-return valve
1600325-001	Contra-angle CA 1:5, 5x multiplier, without light, anti-heat push-button bur changing mechanism, bur $\varnothing$ 1.6 mm, non-return valve
1000001-010	Wire probe, box of 10 wires
1600064-006	Lubrifiuid, lubricant 500 ml, box of 6 cans
1600036-006	Spraynet, cleaning spray 500 ml, box of 6 cans

#### List of Bien-Air registered trade mark products ©:

Aquilon®	Gyrolina®	Spraynet®
Bora®	Isolite®	MX®
Boralina®	Lubrifiuid®	Osseodoc®
Eolia®	Lubrirmed®	Osseopro®
Gyro®	Prestilina®	

In these instructions, «Device» corresponds to the product described in the heading «Type». For example, turbine, contra-angle, handpiece, micromotor, tube, electronics, connectors, station etc.

This product may be covered by one or more of the following patents:

**EP Europe:** 0 497 139 / 0 526 783 / 0 745 358 / 0 688 539 / 0 894 879 / 1 145 688 / 1 109 301 **DE Germany:** 296 16 023.7  
**DK Denmark:** 96 00315 **FR France:** 2 679 804 / 2 722 972 / 2 733 680 / 2 692 621 / 2 720 263 / 2 757 763 / 2 766 697 / 2 781 318 **CH Switzerland:** 693 922 **CN China:** 129343 **JP Japan:** 2 037 611 / 1 991 770 **US United-States:** 5.059.122 / 4.773.856 / 6.033.220 / 6.337.554 / 5.453.008 / 6.319.003 / 6.495.937

REF 1600386-001 CA 1:5 L / REF 1600325-001 CA 1:5

#### Optional accessories



#### Set supplied



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