

Instructions for use for

Screws and retention elements

The use, activation, deactivation, repair and periodic maintenance of attachment elements must be carried out exclusively by skilled persons. Only original tools and parts may be used for this work. The mechanical cleaning of attachment elements using a toothbrush and toothpaste may lead to premature wear of the functional parts.

The issuing of these instructions for use renders all previous versions invalid.

The manufacturer rejects any liability for damages resulting from non-compliance with these instructions for use.

Intended use

The screw and retention elements manufactured by Cendres+Métaux SA serve as connectors (connecting elements) for tooth or implant supported, removable dental prostheses. The screws and retaining elements support/anchoring devices, connect the prostheses to teeth or implants.

General information

Traceability of the batch numbers

The batch numbers of all parts used must be documented to ensure traceability.

Maintenance

All components are supplied non-sterile. Therefore the parts and instruments must be cleaned and disinfected prior to use.

Disinfection

After any fabrication or modification, the prosthetic work, including the matrix components, must be cleaned and disinfected according to national guidelines. When choosing the disinfectant, ensure that:

- It is suitable for cleaning and disinfection of dental prosthetic components.
- It is compatible with the materials of the products to be cleaned and disinfected.
- It has tested efficacy in disinfection.

All parts made of plastic must be disinfected with a high EPA-registered disinfectant prior to use.

Recommended: Cidex® OPA Solution. Strictly follow the manufacturer's instructions.

Warnings

This product may not be used in patients with allergies to one or more elements of the attachment materials. In patients with suspected allergy to one or more elements of the materials, this product may only be used following allergological clarification and proof of non-existence of an allergy.

For further information, please contact your Cendres+Métaux representative.

Accuracy of fit: the secondary component must have a defined position in relation to the primary component.

Auxiliary instruments may contain nickel (see Labeling on packaging).

The product was not tested/evaluated in an MRT environment with regard to overheating and movement.

These instructions for use are not sufficient for immediate use of the screw and retention elements. Dental or laboratory knowledge is required, as well as an introduction to handling the Cendres+Métaux screw and retention elements by an experienced person. Courses and training are regularly offered by Cendres+Métaux. Only original tools and parts may be used for this work.

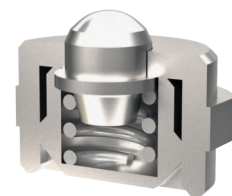
Preventive measures

- The components are supplied non-sterile. Proper preparation of the components prior to use in the patient is described in the chapter on «Disinfection».
- For intraoral use, all products must be generally secured against aspiration.
- No cutting work may be carried out in the patient's mouth.

Safety measures

- To prevent swallowing or aspiration, several precautions must be taken, e.g. rubber dam, instruments secured by dental floss.
- Protect your eyes by wearing protective glasses.

For further notes and tips on processing precious metal alloys, please refer to the Cendres+Métaux Dental Documentation and the website www.cmsa.ch/dental.



Mini-Presso-Matic

Housing	C = Ceramicor®
Integration: casting-on or soldering to precious metal alloys	
Retention bolt	A = Alpa
Cap screw	O = OSV
Spiral spring	X = Steel
Screw bolt	O = OSV

Indications

Retentive or screw retained element for mounting into secondary parts of milled work. For example:

- Telescope crowns
- Individually milled bar sleeves
- Individual slide attachments
- Implant-supported restorations

Contraindication

- For wall thicknesses of primary components thinner than 0.8 mm.
- For conically milled primary components.
- Restoration of severely periodontally damaged abutment teeth.
- In patients with allergies to one or more elements of the attachment materials.
- Lacking cooperation of the patient with respect to follow-up/recall instructions.
- Patients with bruxism or other para-functional habits.

Auxiliary instruments

The supporting instruments to be used are listed in the main Cendres+Métaux catalog under the sections of the relevant attachments. See website www.cmsa.ch/dental or the Cendres+Métaux Dental Documentation (available free of charge from all Cendres+Métaux subsidiaries, branches and dealers).

C = Ceramicor®

Au 60.00 %, Pt 19.00 %, Pd 20.00 %, Ir 1.00 %
T_s – T_L 1400–1490°C

O = OSV

Au 60.00 %, Pt 10.50 %, Ag 7.00 %, Pd 6.50 %, Cu 14.00 %, Zn 2.00 %

A = Alpa

Au 35.00 %, Pt 1.00 %, Pd 10.50 %, Ag 41.00 %, Cu 12.00 %, In 0 < 1.00 %

X = Steel, contains nickel ⚠

Instructions

Wax-up

Already at the waxup stage of the primary anchor, attention must be paid to the application of a flat wall (of a wall thickness of at least 0.8 mm) parallel to the direction of insertion. When waxing-up the removable secondary part, seat the dismantled housing with its perforated front side, apply a very thin wax layer firmly against the flat surface of the primary anchor.

Investing and casting

After completion of the wax-up, screw the auxiliary screw for modelling (Order No. 07050012) in firmly and invest in the usual fashion. If the auxiliary screw for modelling is not to be used, make sure the housing is completely filled with investment. Cast in the usual fashion with a class IV gold alloy or with any precious bonding alloy. After deflasking and possibly sandblasting, the investing mandrel is removed and only then should the casting be pickled. (Never pickle with the mandrel in position.) We recommend the use of our pickling salt Desoxid MP.

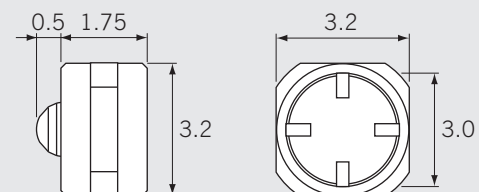
Finishing

The very small size of the Mini-Presso-Matic does not permit any retouching. After fitting and first polishing of the secondary part (in place on the primary part), the anchoring recess in the primary section can be fashioned. If necessary use the thread tap (Order No. 07050014).

Preparation of the recess for the plunger

Fixed and removable parts are joined together. Using a needle outline the anchoring recess on the coping through the hole. An indentation should then be made at the lower centre of the circle with a 0.8 mm Ø bur as in the diagram. Using a 1.2 mm Ø round bur deepen and enlarge the hole until the depth corresponds to half of the diameter of the bur. Using a 1.10 mm Ø round bur, taper the anchoring recess towards the top as far as the marked circle.

Notch the top of the coping with a flame-shaped burr to facilitate the insertion.



Follow-up

Retaining elements in prosthetic work are subject to considerable stress in the mouth in a constantly changing environment, and thus more or less subjected to signs of wear.

Wear is omnipresent in daily routine and cannot be avoided, only reduced. The amount of wear depends on the overall system.

Our endeavors are aimed at using optimally matched materials as far as possible to reduce wear to an absolute minimum. The good fit of dentures on the mucosa is to be checked at least once per year, and relined if required to prevent tilting movement (overload), especially in the case of free-end prostheses.

Patients can obtain information and recommendations about the use, removal and care of prostheses on the patient website at www.cmsa.ch/dental/infos.












Disclaimer

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This attachment element is part of an overall concept and may only be used or combined with the appropriate original components and instruments. Otherwise, the manufacturer rejects any responsibility and liability. In case of complaints, please always include the batch number.

Markings on the packaging / Symbols

	Manufacturer
	Catalogue number
	Batch code
	Quantity
	Consult instructions for use
Rx only	Caution: US Federal law restricts this device to sale by or on the order of a licensed (healthcare) practitioner.
	Cendres+Métaux products with CE labelling meet the requirements of the relevant European requirements.
	
	Do not re-use
	Non-sterile
	Keep away from sunlight
	Caution, consult accompanying documents