prosthetic.line

CM LOC® FLEX

Instructions for Use CM LOC® FLEX

1 Scope of application of Instructions for Use

These Instructions for Use apply to the products listed under Section 29. 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.

2 Trade name

See Section 29.

3 Intended use

The products are intended for prosthetic restorations and to support procedures in the dental clinic or laboratory.

4 Expected clinical benefit

Restoration of chewing function and improved aesthetics.

The Summary of Safety and Clinical Performance, SSCP for the implantable devices covered by these Instructions for Use, is available on our website and accessible at this address: www.cmsa.ch/docs.

5 Product description

Product	Description
	**CM LOC® FLEX Abutment:** Implant anchorage for hybrid-supported removable dental prostheses on implants, in combination with the specific CM LOC® system for female parts.
	**CM LOC® Female part** Retaining element as connecting part between denture and abutment.
 extra-low ca. 400g low ca. 1200g medium ca. 1800g strong ca. 2400g	**CM LOC® Retention inserts** Exchangeable retention inserts in four defined force levels. yellow: extra low red: low green: medium blue: strong

6 Indications

CM LOC® FLEX Abutment:
Implant anchorage of hybrid-supported removable dental prostheses on implants, in combination with the specific CM LOC® system for female parts.

Mandible.
CM LOC® FLEX Abutment:
Anchorage of mandibular (MD) prosthesis on 2 or more implants.

Maxilla.
CM LOC® FLEX Abutment:
Anchorage of maxillary (MX) prosthesis on 4 or more implants.

7 Contraindications

– Implant divergences > 30° (per implant).
– Alignment of the CM LOC® FLEX Abutment outside of the mouth.
– The CM LOC® FLEX Abutments are to be used exclusively with the implant systems listed in Section 29.
– Use on a single implant.
– Not suitable if a fixed connection is required.
– Unilateral free-end prosthesis without transversal support.
– Use on root canal caps.
– Immediate restoration if immediate loading is not indicated for the implant.
– Implant system is not approved for the application.
– For additional contraindications, please refer to the instructions for use from the implant manufacturer.
– Patients who are unable to keep the regularly required check-up appointments for health reasons.
– Patients with bruxism or other para-functional habits.
– Patients with allergies to materials used in the product, see Section 19.
– Existing clinical picture in the patient's mouth does not permit the correct application of the products.

8 Compatible products

The CM LOC® FLEX Abutments are compatible with several implant interfaces and may only be combined with the compatible implant system.

The following CM LOC® specific components can be used for the application.
– System for female parts.
– All auxiliary tools and auxiliary instruments.
Exception screwdriver: the CM LOC® and CM LOC® FLEX Abutments have different, specific screwdrivers.

The CM LOC® system for female parts is occasionally compatible with the following Locator®-like abutments:
– CM LOC®
– CM LOC® FLEX
– MedentiLOC®
Please contact us for further information regarding other compatibilities.

The retention force on these abutments may vary due to the different manufacturing tolerances and surfaces of the various abutments.

To fabricate the finished denture, a number of general laboratory supplies are required in addition to the products listed under Section 29. The following gives a selection of materials that Cendres+Métaux SA offers in its portfolio.

08052138	Polyurock Kit
08052135	Polyurock Catalyst
08052136	Polyurock Release Spray
08052137	Polyurock Mixer
08052566	Polyurock Colour yellow
08052149	ABF Wax Universal
08052150	ABF Wax Creativ light
08052151	ABF Wax Creativ dark
08052154	ABF Wax Special
08052148	ABF Wax Margin
08052153	ABF Wax Position
08052152	ABF Wax Tecno

08055014	Livento® invest Powder (50 x 100 g)
083739	Livento® invest Liquid (1000 ml)
08052160	uniVest® Plus Powder (30 x 150 g)
08052161	uniVest® Plus Liquid (1000 ml)
08052162	uniVest® Rapid Powder (30 x 150 g)
08052163	uniVest® Rapid Liquid (1000 ml)
080181	CM soldering investment (4 kg)
080229	CM soldering paste
08052307	Legabril Diamond (50 g)

9 Qualification of the specialist

Expertise in professional dentistry and dental technology is assumed. The current Instructions for Use must be available at all times and be completely read and understood before the first application. The fabrication of dentures and their maintenance may only be performed by qualified specialists.

Important information for the specialist

Warning symbol for increased caution

10 Prescription

Federal laws in the USA prohibit the use by or sale to unlicensed dentists.

11 Side effects

This product must not be used in patients with allergies or suspected allergies to materials used in the product (see Section 19), or only after prior allergological clarification.
Auxiliary instruments may contain nickel.
If applied as intended, side effects can be excluded.

12 Warnings

Magnetic resonance (MR) environment
The device has not been evaluated for safety and compatibility in the MR environment.
The product has not been tested for heating or migration in the MR environment.

CM LOC® Spacer
The CM LOC® Spacer is slightly oversized with regard to the original components.
This ensures optimal space conditions for later polymerisation in the mouth.
The spacer must not be used in place of the female part or as a temporary replacement.

13 General information

– The difference between CM LOC® FLEX and CM LOC® is that the CM LOC® FLEX Abutment also supports alignment.
– The CM LOC® FLEX Alignment Aid can be shortened to the existing notch (end of cylindrical diameter) if required. This simplifies application in the posterior region. When using the CM LOC® FLEX Alignment Aid, it is essential to ensure correct seating on the abutment and to ensure that the alignment aid is no longer rotated around its own axis after placement.
– The use of the standard commercial, mouth-compatible and self-adhesive composite bonding cement RelyX™ Unicem and RelyX™ Unicem 2 by 3M Espe is recommended for CM LOC® FLEX. It is essential to observe the manufacturer's instructions in this regard. When using other mouth-compatible composite bonding cements, ensure that these are chemically curing.

– The height of the CM LOC Block-out Spacer can be shortened when using different abutment heights to achieve better mounting of the female part.
– When working with the CM LOC® FLEX Abutment for retention of overdentures, the direct or indirect approach may be used.
– We recommend that the clinical case be designed such that the largest possible support polygon is achieved. Small distances between consecutive implants and long free-end saddles can cause undesirable effects such as increased wear of the system components.
– Proper seating of the dentures on the mucosa must be checked at least once each year, and relining carried out if required to prevent rocking movement (overload). We recommend checking the prosthesis at regular intervals of approx. 3 months and to replace the retention inserts if necessary.
– When fabricating new dentures and when using a palate-free design, we recommend fabricating an individual reinforcement framework.

📖 – In patients with suspected titanium allergy or hypersensitivity, we alternatively recommend the use of the Pekkton® female part. One must allow for an increased aftercare effort and, if necessary, changing/replacing the system for female parts, as Pekkton® is somewhat softer than titanium as the material for the female part.

Integration of the housing of the female part

Direct method
The dentist providing treatment may integrate the CM LOC® Housing of the female part and the retention inserts in an existing or new prosthesis directly during the treatment session.

Indirect method
The dentist must take an impression of the CM LOC® Abutment with the CM LOC® Impression Part and send the impression to the laboratory for subsequent fabrication of the model. The laboratory then inserts the CM LOC® Analog in the CM LOC® Impression Part to facilitate reliable transfer of the position of the CM LOC® Abutment in the mouth, and fabricates the master model.

14 Preventive measures

📖 – Clean and dry the abutment surface with oil-free air prior to cementation with RelyX™ Unicem or RelyX™ Unicem 2.
– As far as possible, align the male parts parallel to each other and to the direction of insertion. Alignment only in the mouth.
– Ensure that the position of the abutment is not rotated when working with the CM LOC® FLEX Alignment Aid.
– Coat male part undercuts with petroleum jelly for better cleaning during cementation. (Better removal of excess composite bonding cement)
– It is essential to remove excess composite bonding cement.
– Screw in the product only once using the torque specified for this purpose.
– In case of immediate loading (observe implant manufacturer's indication) ensure that the tightening torque of the abutment does not exceed the torque of the implant > recommendation 5 Ncm below the tightening torque of the implant.

📖 – The product components are supplied non-sterile. For more information see Section 16 "Reprocessing".
– Only original tools and parts may be used for this work. For information and additional details, please contact your Cendres+Métaux SA representative.
– Before any procedure, ensure that all required product components are available in sufficient quantity.
– For your own safety, always wear suitable protective clothing. In particular when grinding, we recommend wearing protective goggles and a dust mask as well as the use of a suction unit.
– Secure parts against aspiration.
– The mechanical cleaning by patients with a toothbrush and toothpaste may lead to premature wear.

15 Single use

Products that are intended for single use and are labelled "single-use" accordingly are subject to a certain amount of stress, increased wear, and even loss of functionality during their use.

⚠ Multiple application of products labelled «single use» was not tested. This can impair the safety, function and performance of the products as well as increase the risk of transmitting infections.

16 Reprocessing

📖 The prosthetic work, including all system components, must be cleaned, disinfected and, if appropriate, sterilised prior to each work step.
Materials made of metal alloys, high-performance polymers (Pekkton®) and ceramics are suitable for steam sterilisation. With the exception of Pekkton®, components made of plastics are not suitable for steam sterilisation.
Consider published national guidelines when selecting a disinfection and sterilisation process and the Instructions for Use “Reprocessing of surgical and prosthetic products” (www.cmsa.ch/docs).

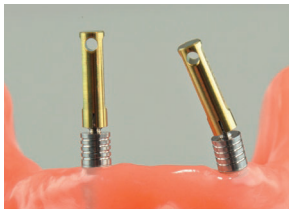
17 Scope of application

The CM LOC® FLEX Abutment components are designed to fixate overdentures (full dentures) or partial dentures completely or partially through endosseous implants with the specific CM LOC® System for female parts.
The CM LOC® FLEX Anchoring System consists of a standardised abutment with which implant divergences of up to 60° are indicated and a system for female parts with four exchangeable retention inserts in four defined force levels.

18 Procedure

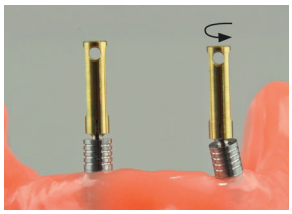
Fabrication of a new prosthesis with CM LOC® FLEX Abutment.

Patient Situation, Initial Position.



Determining the implant axis
Use the CM LOC® FLEX Case Guide to determine the divergence of the implant axes between the implants.
Place the CM LOC® FLEX Case Guide on the implant for this purpose by screwing in manually.

📖 A corresponding CM LOC® FLEX Case Guide is available for each implant system.

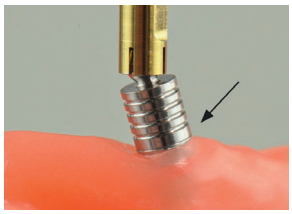


By cyclically tipping until it stops (30°), use the CM LOC® FLEX Case Guide to determine the implant axes, so that the individual implant axes can be determined to each other.

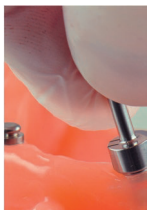
View from side and front.

Should it not be possible to align the CM LOC® FLEX Case Guides parallel, a divergence of 30° between the implants is exceeded.

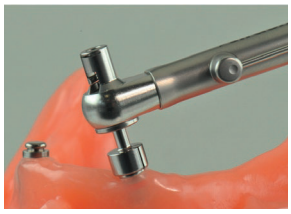
If the divergence is greater than 30°, the CM LOC® FLEX Abutment may not be used.



Determining the abutment height
Choose the abutment height based on the implant position/gingival height and read off based on the graduation marks on the CM LOC® Flex Case Guide. Determine the correct height of the CM LOC® FLEX Abutment with the lower edge of the CM LOC® FLEX Abutment positioned at least 1 mm above the gingiva. The lowest height starts at graduation marking 1.



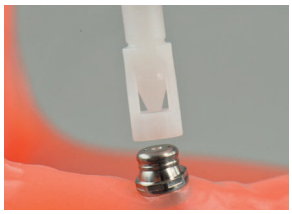
Inserting the CM LOC® FLEX Abutment
Place the CM LOC® FLEX Abutment on the CM LOC® FLEX Screwdriver and screw it into the implant by hand.



Use the torque ratchet to tighten to the required torque. Make sure that the CM LOC® FLEX Screwdriver is correctly seated on the abutment.
Secure all parts against aspiration.
After assembly, the CM LOC® FLEX Screwdriver can be removed by lifting it slightly.

The screwdriver features an ISO connection and fits onto the coupling inserts for the corresponding torque ratchets.

Injecting composite bonding cement
Coat male part undercuts with some Vaseline® to facilitate the removal of bonding cement residue.



Then mount the CM LOC FLEX® alignment aid. Press the alignment aid correctly and firmly onto the abutment. You can hear the alignment aid click into its final position.

The injection funnel of the CM LOC® Alignment Aid creates a seal in conjunction with the abutment filler opening and prevents the cement from escaping inadvertently and flowing into the undercuts.
The CM LOC® Alignment Aid is co-linear with the implant axis when mounted (ready for injection). Tilting and alignment take place after the bonding cement is injected.

Then inject the bonding cement into the CM LOC® FLEX Abutment until the composite bonding cement visibly escapes again from the two vent holes.


This provides a self-check that filling is fully complete. Please ensure correct vertical and horizontal seating of the CM LOC® FLEX Alignment Aid on the abutment. An incorrectly mounted alignment aid is immediately obvious as the cement escapes from the filler opening and flows outside of the alignment aid.
In this case, remove the alignment aid and dispose of it. Then clean the abutment and gingiva using water, correctly remount a new alignment aid, and repeat the injection process. Ensure that the working time is not exceeded.

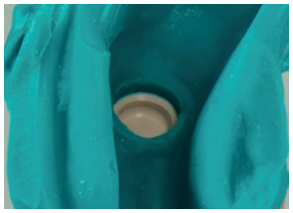
Alignment of the CM LOC® FLEX Abutment
Tip the placed CM LOC® FLEX Alignment Aid in the alignment axis (do not rotate) until the second position is reached and then align the CM LOC® FLEX Abutment parallel to the occlusal plane and allow the bonding cement to cure for approx. 6-8 minutes.
Observe the manufacturer's instructions.

Start of curing after mixing has begun: 02:30 min.
End of curing after mixing has begun: 06:00 min.

After injecting the bonding cement and aligning the abutment, take special care not to adjust the position of the abutment until the bonding cement has fully cured. Remove any excess immediately.
Note: An optimal alignment result is achieved by aligning the CM LOC® FLEX Abutments simultaneously parallel to each other and to the occlusal plane using the CM LOC® FLEX Alignment Aid.
After curing of the bonding cement, remove the CM LOC® FLEX Alignment Aid, clean the abutment and remove excess bonding cement.

Impression taking of the oral situation for further processing using the indirect method

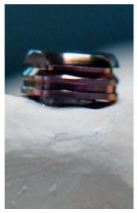
Place the CM LOC® Impression part on the CM LOC® FLEX Abutment and create a functional impression. Ensure that the CM LOC® Impression part is correctly seated. Use a solid impression material (e.g. Impregum™).



Check that the material is fully distributed around the CM LOC® Impression part and that no impression material has spilled into the CM LOC® Impression part.

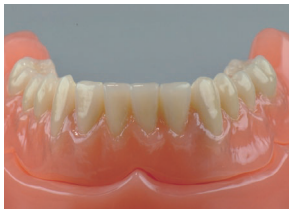
Otherwise, clean the abutment and repeat the impression-taking process.


Then pass to dental laboratory for fabrication of the model.
To fabricate the model in the laboratory, place the CM LOC® Analog in the CM LOC® Impression part and fabricate the master model.




Then place either the CM LOC® Housing of the female part with a mounted CM LOC® Processing insert or the CM LOC® Spacer onto the CM LOC® Analog. Use of the CM LOC® Spacer or the original CM LOC® Housing of the female part is at the discretion of the user.

Spacer = place holder for polymerisation in mouth. Direct polymerisation with CM LOC® Housing of the female part in the laboratory. Block out all undercuts during further processing and fabrication of the denture.



Finalisation
The prosthesis can now be fabricated using conventional technology. After processing, remove excess resin around the CM LOC® Housing of the female part with a round bur. Then finish and polish the prosthesis. Afterwards replace the processing insert in the CM LOC® Housing of the female part with a Pekkton® Retention insert in the desired force level.

See description in Selection of retention inserts.

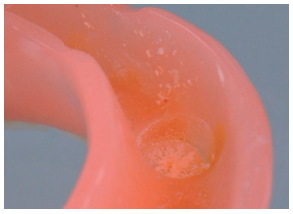
Make sure that no polymer has flowed into the housing of the female part. If necessary, remove the processing insert and carefully remove excess polymer from the inside of the housing of the female part with a probe.

Selection of retention inserts
Four different CM LOC® Retention inserts made of Pekkton® are available for retention. The retention inserts are colour-coded and divided into four different levels of retention force.
yellow: extra-low red: low
green: medium blue: strong

Ensure that the selection of pull-off forces is adapted to the clinical situation. Only use the extra-low insert for immediate loading at the start.

To provide the patient with comfortable and easy integration of the prosthesis as well as familiarisation with the retention in the mouth, it is recommended to fit the prosthesis with a CM LOC® Retention insert, extra-low, first. If the patient demands stronger retention, CM LOC® Retention inserts offering greater retention force can be used. For assembly and disassembly of the retention inserts, see description: assembly and disassembly of retention inserts.

Direct method: processing of the CM LOC® Housing during the treatment session.



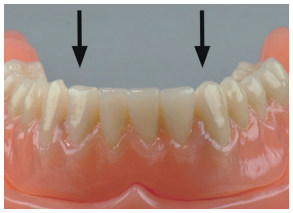
It is essential to create sufficient space in the prosthesis prior to inclusion in the prosthetic body. Use a standard round bur for this purpose. There must not be any contact between the prosthesis and the CM LOC® Housing of the female part.

Mount the CM LOC® Block-out spacer on the male part.

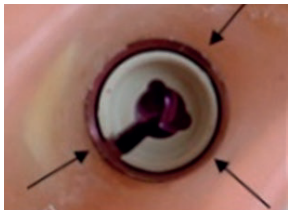
Make sure that the CM LOC® Block-out spacer fits well. The height of the CM LOC® Block-out spacer can be shortened to achieve better mounting of the female part.

Then mount the CM LOC® Housing of the female part with mounted processing insert on the male part.

Make sure that all undercuts are blocked out before polymerisation.
Use a cold-curing polymer (e.g. GC Reline™, GC Advanced Technologies® Inc.) to anchor the CM LOC® Housing of the female part in the prosthesis. Apply the cold-curing polymer in the exposed area in the prosthesis and around the CM LOC® Housing of the female part.



Finalisation
Place the prosthesis on the CM LOC® Male part in the oral cavity. Make sure that the prosthesis is entirely in occlusion with the opposing jaw. Ensure that the prosthesis is retained passively without compression on the soft tissue while the cold-curing polymer cures. Excessive occlusal pressure during curing can cause the soft tissue to be compressed and then decompressed again. This can cause the processing inserts to then click out of position.



After processing, take the CM LOC® Block-out spacer out of the mouth.
After processing, remove excess resin around the CM LOC® Housing of the female part with a round bur. Then finish and polish the prosthesis.
Afterwards replace the processing insert in the CM LOC® Housing of the female part with a Pekkton® Retention insert in the desired force level.

See description in Selection of retention inserts.

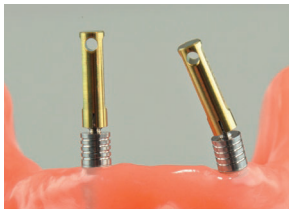
Make sure that no polymer has flowed into the housing of the female part. If necessary, remove the processing insert and carefully remove excess polymer from the inside of the housing of the female part with a probe.

Selection of retention inserts
Four different CM LOC® Retention inserts made of Pekkton® are available for retention. The retention inserts are colour-coded and divided into four different levels of retention force.
yellow: extra-low red: low
green: medium blue: strong

Ensure that the selection of pull-off forces is adapted to the clinical situation. Only use the extra-low insert for immediate loading at the start.

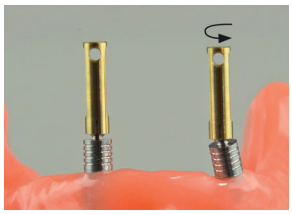
To provide the patient with comfortable and easy integration of the prosthesis as well as familiarisation with the retention in the mouth, it is recommended to fit the prosthesis with a CM LOC® Retention insert, extra-low, first. If the patient demands stronger retention, CM LOC® Retention inserts offering greater retention force can be used. For assembly and disassembly of the retention inserts, see description: assembly and disassembly of retention inserts.

Modifying an existing prosthesis using CM LOC® Components with simultaneous relining.



Remove existing anchorage from the patient's mouth.
Then place the corresponding CM LOC® FLEX Case Guide onto the implant and check that the implant axis does not show a divergence greater than 30°.
Otherwise, CM LOC® FLEX cannot be used.
Place the CM LOC® FLEX Case Guide on the implant for this purpose by screwing in manually.

A corresponding CM LOC® FLEX Case Guide is available for each implant system.

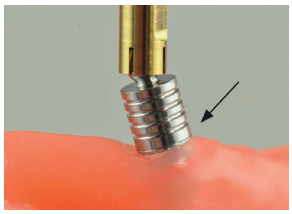


By cyclically tipping until it stops (30°), use the CM LOC® FLEX Case Guide to determine the implant axes, so that the individual implant axes can be determined to each other.

View from side and front.

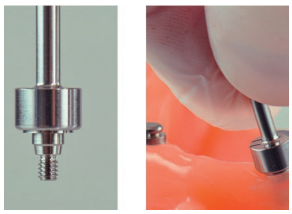
Should it not be possible to align the CM LOC® FLEX Case Guides parallel, a divergence of 30° between the implants is exceeded.

If the divergence is greater than 30°, the CM LOC® FLEX Abutment may not be used.

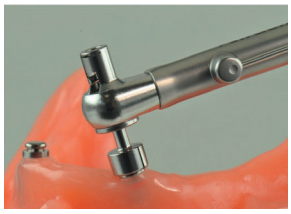


Determining the abutment height
Choose the abutment height based on the implant position/gingival height and read off based on the graduation marks on the CM LOC® Flex Case Guide. Determine the correct height of the CM LOC® FLEX Abutment with the lower edge of the CM LOC® FLEX Abutment positioned at least 1 mm above the gingiva. The lowest height starts at graduation marking 1.

This is followed by determination of the abutment height, insertion of the abutment, injection of the bonding cement and alignment of the abutment as described in the section on fabrication of a new prosthesis.
This is then followed by inclusion of the housing of the female part as described in the section “Direct method: Processing the CM LOC® Housing of the female part during the treatment session”.

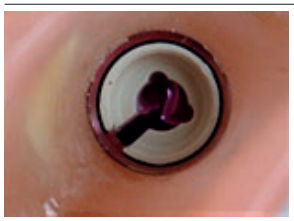


Inserting the CM LOC® FLEX Abutment
Place the CM LOC® FLEX Abutment on the CM LOC® FLEX Screwdriver and screw it into the implant by hand.



Use the torque ratchet to tighten to the required torque. Make sure that the CM LOC® FLEX Screwdriver is correctly seated on the abutment.
Secure all parts against aspiration.
After assembly, the CM LOC® FLEX Screwdriver can be removed by lifting it slightly.

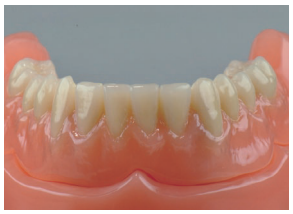
The screwdriver features an ISO connection and fits onto the coupling inserts for the corresponding torque ratchets.



Relining
The previously mounted CM LOC® Housing of the female part with a mounted processing insert secures the prosthesis during impression-taking.

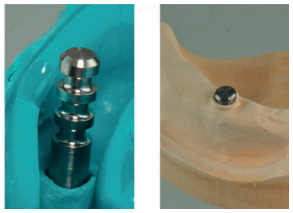
Mount the CM LOC® Block-out spacer on the abutment.

Make sure that the CM LOC® Block-out spacer fits well. The height of the CM LOC® Block-out spacer can be shortened when using different abutment heights to achieve better mounting of the female part. Make sure that all undercuts are blocked out before relining. After processing, take the CM LOC® Block-out spacer out of the mouth.

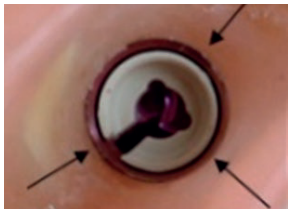


An impression of the relining with the existing prosthesis is then taken in the usual manner.

Do not apply impression material into the CM LOC® Housing of the female part and make sure that the prosthesis is securely seated on the CM LOC® Abutment. Otherwise, clean the CM LOC® Housing of the female part immediately.



The impression is then sent to the dental laboratory for fabrication of the model for relining using the conventional technique, as well as subsequent finishing and polishing of the prosthesis. Remove excess resin around the CM LOC® Housing of the female part with a round bur. Afterwards replace the processing insert in the CM LOC® Housing of the female part with a Pekkton® Retention insert in the desired force level.



See description in Selection of retention inserts.

Make sure that no polymer has flowed into the housing of the female part. If necessary, remove the processing insert and carefully remove excess polymer from the inside of the housing of the female part with a probe.

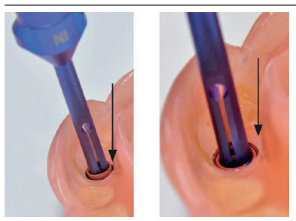
Selection of retention inserts
Four different CM LOC® Retention inserts made of Pekkton® are available for retention. The retention inserts are colour-coded and divided into four different levels of retention force.
yellow: extra-low red: low
green: medium blue: strong

Ensure that the selection of pull-off forces is adapted to the clinical situation. Only use the extra-low insert for immediate loading at the start.

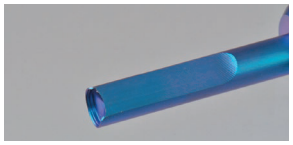
To provide the patient with comfortable and easy integration of the prosthesis as well as familiarisation with the retention in the mouth, it is recommended to fit the prosthesis with a CM LOC® Retention insert, extra-low, first. If the patient demands stronger retention, CM LOC® Retention inserts offering greater retention force can be used. For assembly and disassembly of the retention inserts, see description: assembly and disassembly of retention inserts.

Assembly and disassembly of the retention inserts.

Assembly
The retention inserts are placed in the housing of the female part using the CM LOC® Multi-tool provided. Pick up the CM LOC® Retention insert with the IN side.

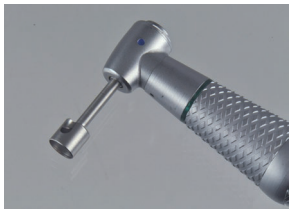


You can feel and hear the CM LOC® Retention insert lock into place.
Press the CM LOC® Retention insert into the CM LOC® Housing of the female part in straight and parallel fashion until you can feel and hear it click into place.

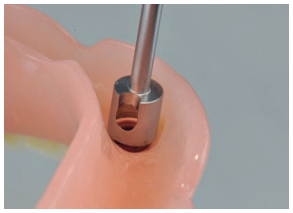


Disassembly
Position the CM LOC® Multi-tool with the OUT side straight and parallel in the space between the CM LOC® Housing of the female part and the retention insert and press lightly into the CM LOC® Housing of the female part. The CM LOC® Retention insert thus unlocks and can be removed in a straight manner from the CM LOC® Housing of the female part.

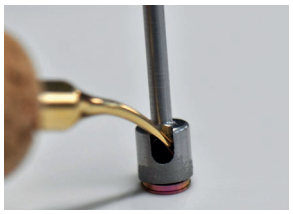
Disassembly CM LOC® Housing of the female part.



To disassemble the CM LOC® Housing of the female part, use the CM LOC® Extractor for the housing of the female part.



Mill the complete CM LOC® Housing of the female part with the CM LOC® Extractor for the housing of the female part.



Then remove the CM LOC® housing of the female part from the CM LOC® Extractor for the housing of the female part through the side opening with an instrument. For better withdrawal, it is recommended to briefly warm the CM LOC® Extractor for the housing of the female part over a flame.

19 Materials

More detailed information on the materials as well as their compositions can be found in the product-specific material data sheets, the product information as well as the product list compiled in Section 29. All relevant documents can be found on the website www.cmsa.ch/docs by entering the relevant product name.

20 Notes on storage

Insofar as no specific information on storage is given on the packaging of the product, we recommend storing the product in its original packaging, in a dry place, at room temperature and without direct sunlight. Improper storage can influence the product properties and lead to failure of the restoration.

21 Patient information

21.1 Handling / follow-up

On the day of insertion of the dentures at the latest, the patient must be informed that regular follow-up care is necessary to maintain the health of the entire masticatory system and the functionality of the denture. Ensure that the patients are motivated and instructed with regard to caring for their teeth as well as dentures.

Permanent and removable dentures are subject to considerable stress. Signs of wear are normal and cannot be avoided, only reduced. The amount of wear depends on the overall system.

Our endeavours are aimed at using materials that are as optimally matched as possible in order to reduce wear to an absolute minimum. Proper seating of the dentures on the mucosa must be checked at least once each year, and relining must be performed if required to prevent rocking movement (overload). We recommend checking the dentures at intervals of approx. 3 months initially and to replace the auxiliary parts such as retention inserts if necessary.

21.2 Insertion and removal of the dentures

It should be ensured that the dentures do not tilt, as any tilting can lead to damage. The denture should never be inserted by clenching the teeth, as this can damage or even break the connecting element.

Insertion

The denture can be placed on the anchor elements in the mouth using the thumb and index finger. Then it is correctly positioned on the anchoring elements applying gentle, even pressure. By carefully closing the jaws, it is possible to check whether the denture is in its correct final position.

Removal

For removal, the denture can be grasped with the thumb and index finger and carefully pulled from the anchor elements and taken out of the mouth.

21.3 Cleaning and care

We recommend cleaning teeth and dentures after every meal. Cleaning of dentures includes cleaning of the connecting element. Gentlest cleaning can be achieved by cleaning the restoration under running water with a soft toothbrush and the connecting element in the mouth with an interdental brush. The most intensive cleaning of the restoration is achieved with the aid of an ultrasonic device and a cleaning additive suitable for dentures.
Never clean the high precision connecting elements with toothpaste as this could lead to damage. Caution should also be exercised in the case of aggressive cleaning agents or tablets as this could damage the high-quality connecting element or impair its function.

Regular cleaning of the anchorage can prevent inflammation of the soft tissue.

22 Ordering information

The information relevant to your order can be found in the product list in Section 29 of this document. The product information is also helpful. This and other relevant documents can be found on the website www.cmsa.ch/docs by entering the relevant product name.

23 Availability

Some of the products described in this document may possibly not be available in all countries.

24 Traceability of the lot number

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

25 Complaint

Cendres+Métaux SA must be notified immediately of any incident that has occurred with regard to the product. To do this, please contact your customer advisor or send us your message by e-mail to the address complaints-cmbrand@cmsa.ch. In serious cases, also send a report to the competent authority where you are domiciled.

26 Safe disposal

The products must be disposed of in accordance with local laws and environmental regulations, taking into account the level of contamination. Cendres+Métaux Lux SA would be very pleased to accept precious metal waste. For information and additional details, please contact your Cendres+Métaux SA representative.

27 Trademarks

Registered trademarks of Cendres+Métaux Holding SA, Biel/Bienne, Switzerland include:

CM LOC®, Pekkton®

Unless explained specifically, all products marked with "®" are not registered trademarks of Cendres+Métaux Holding SA, but registered trademarks of the respective manufacturer.

28 Disclaimer

The manufacturer rejects any liability for damages resulting from non-compliance with these Instructions for Use. Cendres+Métaux SA products are parts 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 lot number.

The use of third party products not distributed by Cendres+Métaux SA in connection with the products mentioned in the product list in Section 29 will void any warranty or other express or implied obligation of Cendres+Métaux SA.

Responsibility regarding the suitability of a product for the specific patient case is at the discretion of the specialist.

Cendres+Métaux SA disclaims any express or implied liability and shall not be responsible for any direct, indirect, punitive or other damages arising from or in connection with errors in professional judgement or practice in the use of Cendres+Métaux SA products.

The specialist is obliged to regularly study the latest developments of the products mentioned in the product list in Section 29 and their applications.

It should be noted that the descriptions contained in this document are not sufficient for the immediate application of Cendres+Métaux SA products. Expertise in dentistry, dental technology and instructions by an experienced specialist in the use of the products mentioned in the product list under Section 29 is always necessary.

In case of inconsistencies in translations, the English language version shall prevail.

29 Product list

Cat. No.	Product name	Material	Single use	Labelling	Basic UDI-DI
See Implant system	CM LOC® FLEX Abutment	TiAl6 V4 ELI, (Grade5)	Yes	CE 0483	764016651000045E5
See Implant system	CM LOC® FLEX Case Guide	TiAl6 V4 ELI, (Grade5)	Yes	CE	764016651000056EA
05003001	CM LOC® Basic Set Titanium	TiAl6 V4 ELI, (Grade5) Pekkton® Santoprene	Yes	CE 0483	764016651000057EC
05001995	CM LOC® Housing Titanium for Pekkton® Inserts	TiAl6 V4 ELI, (Grade5)	Yes	CE 0483	764016651000053E4
05001314	CM LOC® Retention insert, extra-low	Pekkton®	Yes	CE 0483	764016651000053E4
05001315	CM LOC® Retention insert, low	Pekkton®	Yes	CE 0483	764016651000053E4
05001316	CM LOC® Retention insert, medium	Pekkton®	Yes	CE 0483	764016651000053E4
05001317	CM LOC® Retention insert, strong	Pekkton®	Yes	CE 0483	764016651000053E4
05001328	CM LOC® Processing insert	Pekkton®	Yes	CE	764016651000007DV
05001306	CM LOC® Housing Pekkton® for Pekkton® Inserts	Pekkton®	Yes	CE 0483	764016651000053E4
07000201	CM LOC® Spacer	Pekkton®	Yes	CE	764016651000026DZ
07000202	CM LOC® Block-out spacer	Santoprene	Yes	CE	764016651000027E3
07000204	CM LOC® Analog	TiAl6 V4 ELI, (Grade5)	Yes	CE	764016651000034DY
07000205	CM LOC® Multi-Tool for Pekkton® Retention insert	TiAl6 V4 ELI, (Grade5)	No	CE	764016651000001DH
07000206	CM LOC® Screw Driver	TiAl6 V4 ELI, (Grade5)	No	CE	764016651000022DR
07000213	CM LOC® Impression part	Pekkton®	Yes	CE	764016651000017DY
07000217	CM LOC® Housing Extractor	Steel	No	CE	764016651000009DZ
07000200	CM LOC® Instrument set	n/a	No	CE	764016651000025DX

Implant system

Cat. No.	Product name	Platform	Torque (recommendation)	Basic UDI-DI
Straumann				
0500 1720	CM LOC® FLEX Abutment	Straumann® RN 4.8 GH1	35Ncm	764016651000045E5
0500 1721	CM LOC® FLEX Abutment	Straumann® RN 4.8 GH2	35Ncm	764016651000045E5
0500 1722	CM LOC® FLEX Abutment	Straumann® RN 4.8 GH3	35Ncm	764016651000045E5
0500 1723	CM LOC® FLEX Abutment	Straumann® RN 4.8 GH4	35Ncm	764016651000045E5
0500 1724	CM LOC® FLEX Abutment	Straumann® RN 4.8 GH5	35Ncm	764016651000045E5
0500 1884	CM LOC® FLEX Case Guide	Straumann® RN 4.8	–	764016651000056EA
0500 1725	CM LOC® FLEX Abutment	Straumann® RC 4.1 / 4.8 GH1	35Ncm	764016651000045E5
0500 1726	CM LOC® FLEX Abutment	Straumann® RC 4.1 / 4.8 GH2	35Ncm	764016651000045E5
0500 1727	CM LOC® FLEX Abutment	Straumann® RC 4.1 / 4.8 GH3	35Ncm	764016651000045E5
0500 1728	CM LOC® FLEX Abutment	Straumann® RC 4.1 / 4.8 GH4	35Ncm	764016651000045E5
0500 1729	CM LOC® FLEX Abutment	Straumann® RC 4.1 / 4.8 GH5	35Ncm	764016651000045E5
0500 1885	CM LOC® FLEX Case Guide	Straumann® RC 4.1 / 4.8	–	764016651000056EA
Nobel Biocare				
0500 1740	CM LOC® FLEX Abutment	Nobel Biocare Replace Select® RP 4.3 GH1	35Ncm	764016651000045E5
0500 1741	CM LOC® FLEX Abutment	Nobel Biocare Replace Select® RP 4.3 GH2	35Ncm	764016651000045E5
0500 1742	CM LOC® FLEX Abutment	Nobel Biocare Replace Select® RP 4.3 GH3	35Ncm	764016651000045E5
0500 1743	CM LOC® FLEX Abutment	Nobel Biocare Replace Select® RP 4.3 GH4	35Ncm	764016651000045E5
0500 1744	CM LOC® FLEX Abutment	Nobel Biocare Replace Select® RP 4.3 GH5	35Ncm	764016651000045E5
0500 1888	CM LOC® FLEX Case Guide	Nobel Biocare Replace Select® RP 4.3	–	764016651000056EA
0500 1750	CM LOC® FLEX Abutment	Nobel Biocare Active® RP 4.3/5.0 GH1	35Ncm	764016651000045E5
0500 1751	CM LOC® FLEX Abutment	Nobel Biocare Active® RP 4.3/5.0 GH2	35Ncm	764016651000045E5
0500 1752	CM LOC® FLEX Abutment	Nobel Biocare Active® RP 4.3/5.0 GH3	35Ncm	764016651000045E5
0500 1753	CM LOC® FLEX Abutment	Nobel Biocare Active® RP 4.3/5.0 GH4	35Ncm	764016651000045E5
0500 1754	CM LOC® FLEX Abutment	Nobel Biocare Active® RP 4.3/5.0 GH5	35Ncm	764016651000045E5
0500 1890	CM LOC® FLEX Case Guide	Nobel Biocare Active® RP 4.3/5.0	–	764016651000056EA
0500 2261	CM LOC® FLEX Abutment	Nobel Biocare Brånemark® RP 4.0 GH1	35Ncm	764016651000045E5
0500 2262	CM LOC® FLEX Abutment	Nobel Biocare Brånemark® RP 4.0 GH2	35Ncm	764016651000045E5
0500 2263	CM LOC® FLEX Abutment	Nobel Biocare Brånemark® RP 4.0 GH3	35Ncm	764016651000045E5
0500 2264	CM LOC® FLEX Abutment	Nobel Biocare Brånemark® RP 4.0 GH4	35Ncm	764016651000045E5
0500 2265	CM LOC® FLEX Abutment	Nobel Biocare Brånemark® RP 4.0 GH5	35Ncm	764016651000045E5
0500 2309	CM LOC® FLEX Case Guide	Nobel Biocare Brånemark® RP 4.0	–	764016651000056EA
Astra Tech				
0500 1770	CM LOC® FLEX Abutment	Astra Tech OsseoSpeed® 4.5/5.0 GH1	25Ncm	764016651000045E5
0500 1771	CM LOC® FLEX Abutment	Astra Tech OsseoSpeed® 4.5/5.0 GH2	25Ncm	764016651000045E5
0500 1772	CM LOC® FLEX Abutment	Astra Tech OsseoSpeed® 4.5/5.0 GH3	25Ncm	764016651000045E5
0500 1773	CM LOC® FLEX Abutment	Astra Tech OsseoSpeed® 4.5/5.0 GH4	25Ncm	764016651000045E5
0500 1774	CM LOC® FLEX Abutment	Astra Tech OsseoSpeed® 4.5/5.0 GH5	25Ncm	764016651000045E5
0500 1894	CM LOC® FLEX Case Guide	Astra Tech OsseoSpeed® 4.5/5.0	–	764016651000056EA
0500 1932	CM LOC® FLEX Abutment	Astra Tech OsseoSpeed® EV 4.2 GH1	25Ncm	764016651000045E5
0500 1933	CM LOC® FLEX Abutment	Astra Tech OsseoSpeed® EV 4.2 GH2	25Ncm	764016651000045E5
0500 1934	CM LOC® FLEX Abutment	Astra Tech OsseoSpeed® EV 4.2 GH3	25Ncm	764016651000045E5
0500 1935	CM LOC® FLEX Abutment	Astra Tech OsseoSpeed® EV 4.2 GH4	25Ncm	764016651000045E5
0500 1936	CM LOC® FLEX Abutment	Astra Tech OsseoSpeed® EV 4.2 GH5	25Ncm	764016651000045E5
0500 1946	CM LOC® FLEX Case Guide	Astra Tech OsseoSpeed® EV 4.2	–	764016651000056EA
0500 1937	CM LOC® FLEX Abutment	Astra Tech OsseoSpeed® EV 4.8 GH1	25Ncm	764016651000045E5
0500 1938	CM LOC® FLEX Abutment	Astra Tech OsseoSpeed® EV 4.8 GH2	25Ncm	764016651000045E5
0500 1939	CM LOC® FLEX Abutment	Astra Tech OsseoSpeed® EV 4.8 GH3	25Ncm	764016651000045E5
0500 1940	CM LOC® FLEX Abutment	Astra Tech OsseoSpeed® EV 4.8 GH4	25Ncm	764016651000045E5
0500 1941	CM LOC® FLEX Abutment	Astra Tech OsseoSpeed® EV 4.8 GH5	25Ncm	764016651000045E5
0500 1947	CM LOC® FLEX Case Guide	Astra Tech OsseoSpeed® EV 4.8	–	764016651000056EA
Zimmer				
0500 1780	CM LOC® FLEX Abutment	Zimmer Tapered Screw-Vent® 4.5 GH1	30Ncm	764016651000045E5
0500 1781	CM LOC® FLEX Abutment	Zimmer Tapered Screw-Vent® 4.5 GH2	30Ncm	764016651000045E5
0500 1782	CM LOC® FLEX Abutment	Zimmer Tapered Screw-Vent® 4.5 GH3	30Ncm	764016651000045E5
0500 1783	CM LOC® FLEX Abutment	Zimmer Tapered Screw-Vent® 4.5 GH4	30Ncm	764016651000045E5
0500 1784	CM LOC® FLEX Abutment	Zimmer Tapered Screw-Vent® 4.5 GH5	30Ncm	764016651000045E5
0500 1896	CM LOC® FLEX Case Guide	Zimmer Tapered Screw-Vent® 4.5	–	764016651000056EA
MIS (wide platform)				
0500 1780	CM LOC® FLEX Abutment	MiS® Seven 4.5 GH1	30Ncm	764016651000045E5
0500 1781	CM LOC® FLEX Abutment	MiS® Seven 4.5 GH2	30Ncm	764016651000045E5
0500 1782	CM LOC® FLEX Abutment	MiS® Seven 4.5 GH3	30Ncm	764016651000045E5
0500 1783	CM LOC® FLEX Abutment	MiS® Seven 4.5 GH4	30Ncm	764016651000045E5
0500 1784	CM LOC® FLEX Abutment	MiS® Seven 4.5 GH5	30Ncm	764016651000045E5
0500 1896	CM LOC® FLEX Case Guide	MiS® Seven 4.5	–	764016651000056EA

Cat. No.	Product name	Platform	Torque (recommendation)	Basic UDI-DI
BioHorizons				
0500 1780	CM LOC® FLEX Abutment	BioHorizons® Internal 4.5 GH1	30Ncm	764016651000045E5
0500 1781	CM LOC® FLEX Abutment	BioHorizons® Internal 4.5 GH2	30Ncm	764016651000045E5
0500 1782	CM LOC® FLEX Abutment	BioHorizons® Internal 4.5 GH3	30Ncm	764016651000045E5
0500 1783	CM LOC® FLEX Abutment	BioHorizons® Internal 4.5 GH4	30Ncm	764016651000045E5
0500 1784	CM LOC® FLEX Abutment	BioHorizons® Internal 4.5 GH5	30Ncm	764016651000045E5
0500 1896	CM LOC® FLEX Case Guide	BioHorizons® Internal 4.5	–	764016651000056EA
Camlog				
0500 1790	CM LOC® FLEX Abutment	Camlog® 3.8 GH1	30Ncm	764016651000045E5
0500 1791	CM LOC® FLEX Abutment	Camlog® 3.8 GH2	30Ncm	764016651000045E5
0500 1792	CM LOC® FLEX Abutment	Camlog® 3.8 GH3	30Ncm	764016651000045E5
0500 1793	CM LOC® FLEX Abutment	Camlog® 3.8 GH4	30Ncm	764016651000045E5
0500 1897	CM LOC® FLEX Case Guide	Camlog® 3.8	–	764016651000056EA
0500 1795	CM LOC® FLEX Abutment	Camlog® 4.3 GH1	30Ncm	764016651000045E5
0500 1796	CM LOC® FLEX Abutment	Camlog® 4.3 GH2	30Ncm	764016651000045E5
0500 1797	CM LOC® FLEX Abutment	Camlog® 4.3 GH3	30Ncm	764016651000045E5
0500 1798	CM LOC® FLEX Abutment	Camlog® 4.3 GH4	30Ncm	764016651000045E5
0500 1898	CM LOC® FLEX Case Guide	Camlog® 4.3	–	764016651000056EA
0500 1805	CM LOC® FLEX Abutment	Conelog® 3.8/4.3 GH1	30Ncm	764016651000045E5
0500 1806	CM LOC® FLEX Abutment	Conelog® 3.8/4.3 GH2	30Ncm	764016651000045E5
0500 1807	CM LOC® FLEX Abutment	Conelog® 3.8/4.3 GH3	30Ncm	764016651000045E5
0500 1808	CM LOC® FLEX Abutment	Conelog® 3.8/4.3 GH4	30Ncm	764016651000045E5
0500 1809	CM LOC® FLEX Abutment	Conelog® 3.8/4.3 GH5	30Ncm	764016651000045E5
0500 1899	CM LOC® FLEX Case Guide	Conelog® 3.8/4.3	–	764016651000056EA
Dentsply				
0500 2002	CM LOC® FLEX Abutment	Dentsply Ankylos® C 4.5, 5.5, 7.0 GH1	25Ncm	764016651000045E5
0500 2003	CM LOC® FLEX Abutment	Dentsply Ankylos® C 4.5, 5.5, 7.0 GH2	25Ncm	764016651000045E5
0500 2004	CM LOC® FLEX Abutment	Dentsply Ankylos® C 4.5, 5.5, 7.0 GH3	25Ncm	764016651000045E5
0500 2005	CM LOC® FLEX Abutment	Dentsply Ankylos® C 4.5, 5.5, 7.0 GH4	25Ncm	764016651000045E5
0500 2006	CM LOC® FLEX Abutment	Dentsply Ankylos® C 4.5, 5.5, 7.0 GH5	25Ncm	764016651000045E5
0500 2008	CM LOC® FLEX Case Guide	Dentsply Ankylos® C 4.5, 5.5, 7.0	–	764016651000056EA
Sweden+Martina				
0500 2266	CM LOC® FLEX Abutment	Sweden+Martina Premium Kohno 3.8 GH1	30Ncm	764016651000045E5
0500 2267	CM LOC® FLEX Abutment	Sweden+Martina Premium Kohno 3.8 GH2	30Ncm	764016651000045E5
0500 2268	CM LOC® FLEX Abutment	Sweden+Martina Premium Kohno 3.8 GH3	30Ncm	764016651000045E5
0500 2269	CM LOC® FLEX Abutment	Sweden+Martina Premium Kohno 3.8 GH4	30Ncm	764016651000045E5
0500 2270	CM LOC® FLEX Abutment	Sweden+Martina Premium Kohno 3.8 GH5	30Ncm	764016651000045E5
0500 2310	CM LOC® FLEX Case Guide	Sweden+Martina Premium Kohno 3.8	–	764016651000056EA
0500 2271	CM LOC® FLEX Abutment	Sweden+Martina Premium Kohno 4.25 GH1	30Ncm	764016651000045E5
0500 2272	CM LOC® FLEX Abutment	Sweden+Martina Premium Kohno 4.25 GH2	30Ncm	764016651000045E5
0500 2273	CM LOC® FLEX Abutment	Sweden+Martina Premium Kohno 4.25 GH3	30Ncm	764016651000045E5
0500 2274	CM LOC® FLEX Abutment	Sweden+Martina Premium Kohno 4.25 GH4	30Ncm	764016651000045E5
0500 2275	CM LOC® FLEX Abutment	Sweden+Martina Premium Kohno 4.25 GH5	30Ncm	764016651000045E5
0500 2276	CM LOC® FLEX Abutment	Sweden+Martina Premium Kohno 5.0/6.0 GH1	30Ncm	764016651000045E5
0500 2277	CM LOC® FLEX Abutment	Sweden+Martina Premium Kohno 5.0/6.0 GH2	30Ncm	764016651000045E5
0500 2278	CM LOC® FLEX Abutment	Sweden+Martina Premium Kohno 5.0/6.0 GH3	30Ncm	764016651000045E5
0500 2279	CM LOC® FLEX Abutment	Sweden+Martina Premium Kohno 5.0/6.0 GH4	30Ncm	764016651000045E5
0500 2280	CM LOC® FLEX Abutment	Sweden+Martina Premium Kohno 5.0/6.0 GH5	30Ncm	764016651000045E5
0500 2312	CM LOC® FLEX Case Guide	Sweden+Martina Premium Kohno 4.25/5.0/6.0	–	764016651000056EA
Osstem				
0500 2566	CM LOC® FLEX Abutment	Osstem® T_S Regular 4.0/4.5/5.0/6.0/7.0 GH1	30Ncm	764016651000045E5
0500 2567	CM LOC® FLEX Abutment	Osstem® T_S Regular 4.0/4.5/5.0/6.0/7.0 GH2	30Ncm	764016651000045E5
0500 2568	CM LOC® FLEX Abutment	Osstem® T_S Regular 4.0/4.5/5.0/6.0/7.0 GH3	30Ncm	764016651000045E5
0500 2569	CM LOC® FLEX Abutment	Osstem® T_S Regular 4.0/4.5/5.0/6.0/7.0 GH4	30Ncm	764016651000045E5
0500 2570	CM LOC® FLEX Abutment	Osstem® T_S Regular 4.0/4.5/5.0/6.0/7.0 GH5	30Ncm	764016651000045E5
0500 2586	CM LOC® FLEX Case Guide	Osstem® T_S Regular 4.0/4.5/5.0/6.0/7.0	–	764016651000056EA

30 Labelling on packaging / symbols

	Date of manufacture
	Manufacturer
REF	Catalogue number
LOT	Lot number
QTY	Quantity
 www.cmsa.ch/docs	Observe the Instructions for Use, which are available in electronic form at the address specified.
Rx only	Attention: According to US federal law, this product may only be sold by or on behalf of a physician.
CE 0483 CE	Cendres+Métaux products with CE labelling meet the requirements of the relevant European requirements.
	Do not re-use
	Non-sterile
	Protect from sunlight
	Attention, observe accompanying documents
UDI 	Clear product identification
EC REP	European Authorised Representative
	Importer
MD	Medical device

CENDRES+ MÉTAUX


Cendres+Métaux SA
Rue de Boujean 122
CH-2501 Biel/Bienne

Phone +41 58 360 20 00
Fax +41 58 360 20 15
info@cmsa.ch

Rx only

www.cmsa.ch