

# Instructions for Use CM LOC® FLEX

## 1 Scope of application of instructions for use

These instructions for use apply to the products listed under Point 29 in Table 1. 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 Point 29, Table 1.

## 3 Intended use




The components are intended for use in prosthetic restorations on dental implants 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 homepage, accessible at this address: <https://www.cmsa.ch/docs>.

## 5 Product description

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

## 6 Indication

### 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 for this purpose in Table 2.
- 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. Table 2 or [www.cmsa.ch/docs](http://www.cmsa.ch/docs)
- For additional contraindications, please refer to the instructions for use from the implant manufacturer.
- Lacking compliance of the patient with respect to follow-up / recall instructions.
- Patients with bruxism or other para-functional habits.
- In patients with a pre-existing allergy to one or more elements of the attachment element materials.
- 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 list of compatible system products can be found under Point 29 in Table 1 or at [www.cmsa.ch/docs](http://www.cmsa.ch/docs)

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:

Please contact us for further information regarding other compatibilities.

– CM LOC®

– CM LOC® FLEX

– MedentiLOC®



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

## 9 User qualification

The expertise of a professional dentist or dental technician is required. 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.

Only original tools and parts may be used for this work. For information and additional details, please contact your Cendres+Métaux SA representative.



Important information for the specialist



Warning symbol for increased caution

## 10 Prescription

Federal laws (USA) prohibit the use or sale by unlicensed dentists.

## 11 Side effects



This product may not be used in patients with allergies to one or more elements of the product 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. Auxiliary instruments may contain nickel. No known side effects if applied as intended.

## 12 Warnings



### Magnetic resonance 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

These instructions for use are sufficient for immediate application for the products described in this application area of the instructions for use. Dental or laboratory knowledge is required. Information: [www.cmsa.ch/docs](http://www.cmsa.ch/docs)



- 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.
- The processing, activation, deactivation, repair and periodic maintenance of the product must be carried out exclusively by trained persons.
- The mechanical cleaning of the product using a toothbrush and toothpaste may lead to premature wear of the functional parts.
- No cutting work may be carried out in the patient's mouth.
- It is essential to block out undercuts prior to polymerising the female part.
- No pre-treatment, such as sandblasting or silanisation of the housing of the female part, is required.
- 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.
- Only original tools and parts may be used for this work.
- The product components are supplied non-sterile. For more information see Chapter 16 Preparation.
- Secure parts against aspiration.
- Before any procedure, ensure that all required product components are available in sufficient quantity.
- For your safety, always wear suitable protective clothing.

## 15 Single use

– Unless labelled otherwise, the product components are only intended for single use. Products that are marked for single-use are subject to a certain load during use, which can lead to wear, loss of function and/or malfunctions.

-  Reuse of products marked as single-use products may compromise safety, function and performance. Products for single-use have not been tested for reuse/reprocessing, which increases the risk of infection transmission.

## 16 Preparation

-  After any fabrication or modification and prior to use, the prosthetic work, including all system components, must be cleaned, disinfected and, if appropriate, sterilised. Materials made of metal alloys, high-performance polymers (Pekkton®) and ceramics are suitable for steam sterilisation, whereas components made of plastic other than Pekkton® are not suitable. Consider published national guidelines when selecting a disinfection and sterilisation process and the Instructions for Use "Preparation of surgical and prosthetic products" ([www.cmsa.ch/docs](http://www.cmsa.ch/docs)).

## 17 Scope of application

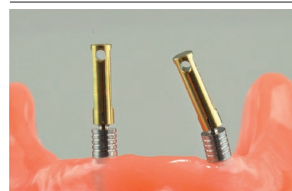
The CM LOC® FLEX Abutment components are designed to fixate overdentures (full dentures) or partial dentures completely or partially through endosseous implants with the specific CM LOC® System for female parts.

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.

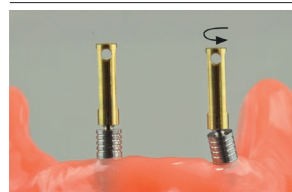
Patient Situation, Initial Position.



#### 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.

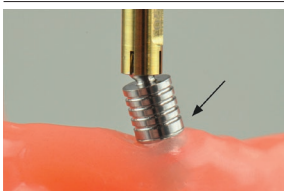
-  A corresponding CM LOC® FLEX Case Guide is available for each implant system. (Table 2)



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.

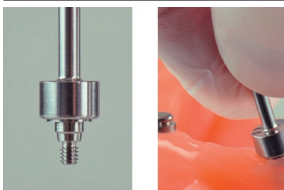
-  View from side and front.
-  Should it not be possible to align the CM LOC® FLEX Case Guides parallel, a divergence of 30° between the implants is exceeded.

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.

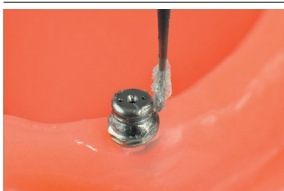


Use the torque ratchet to tighten to the required torque. Make sure that the CM LOC® FLEX Screwdriver is correctly seated on the abutment.

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.



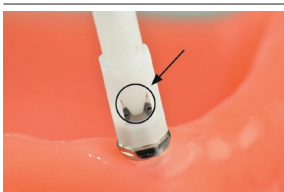
#### Injecting composite bonding cement


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

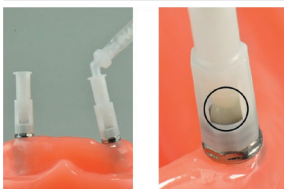


Then mount the CM LOC® FLEX® alignment aid. Press the alignment aid correctly and firmly onto the abutment.

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

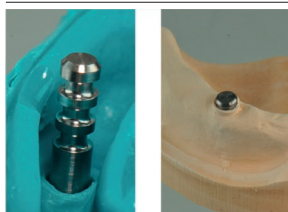


Place the CM LOC® Impression part on the CM LOC® FLEX Abutment and create a functional impression. Ensure that the CM LOC® Impression part is correctly seated. Use a solid impression material (e.g. Impregum™).



-  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.







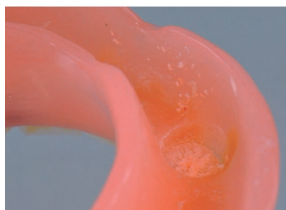
#### Selection of retention inserts

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.

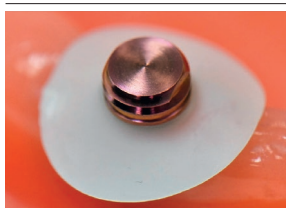


It is essential to create sufficient space in the prosthesis prior to inclusion in the prosthetic body. Use a standard round bur for this purpose. There must not be any contact between the prosthesis and the CM LOC® Housing of the female part.




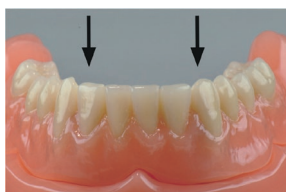
Mount the CM LOC® Block-out spacer on the male part.

-  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.



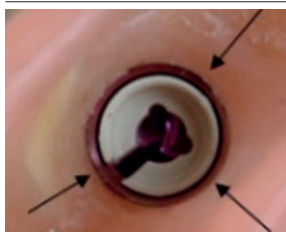
Then mount the CM LOC® Housing of the female part with mounted processing insert on the male part.

-  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

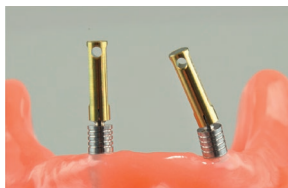
Four different CM LOC® Retention inserts made of Pekkton® are available for retention. The retention inserts are colour-coded and divided into four different levels of retention force.

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.



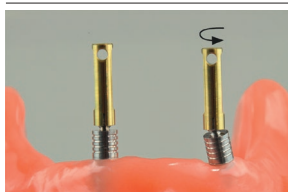
Remove existing anchorage from the patient's mouth.

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. (Table 2)

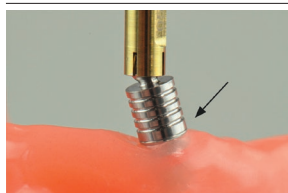


By cyclically tipping until it stops (30°), use the CM LOC® FLEX Case Guide to determine the implant axes, so that the individual implant axes can be determined to each other.

 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.

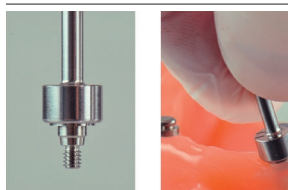


#### Determining the abutment height

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.

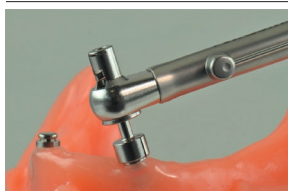
This is followed by determination of the abutment height, insertion of the abutment, injection of the bonding cement and alignment of the abutment as described in the section on fabrication of a new prosthesis.

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.




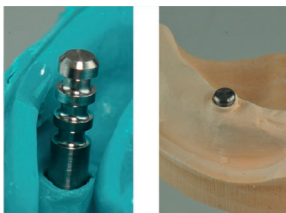
Mount the CM LOC® Block-out spacer on the abutment.

-  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.

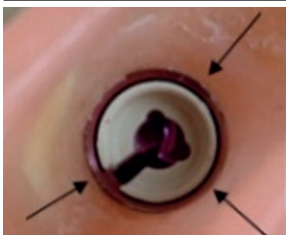




An impression of the relining with the existing prosthesis is then taken in the usual manner.

-  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.



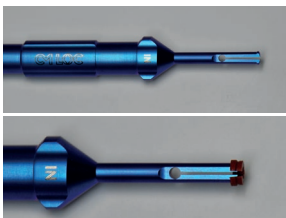
#### Selection of retention inserts

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

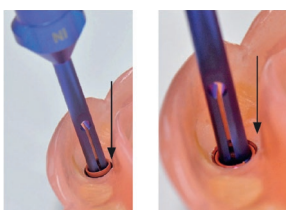
-  Ensure that the selection of pull-off forces is adapted to the clinical situation. Only use the extra-low insert for immediate loading at the start.
-  To provide the patient with comfortable and easy integration of the prosthesis as well as familiarisation with the retention in the mouth, it is recommended 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.





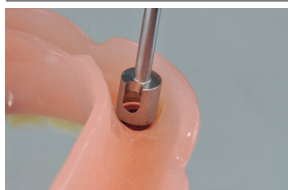
### Disassembly

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.

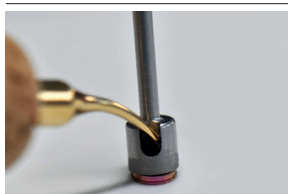
### Disassembly CM LOC® Housing of the female part.



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

Detailed information on the materials and their classification is given in the specific material data sheets, the catalogue as well as the product list given in Table 1 in Point 29. See website [www.cmsa.ch/docs](http://www.cmsa.ch/docs) or the Cendres+Métaux SA Dental Documentation (available free of charge from all Cendres+Métaux SA subsidiaries, branches and dealers).

## 20 Notes on storage

 The product must be stored in a dry place in its original packaging, at room temperature and without direct sunlight, unless otherwise stated on the packaging. 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 patients are motivated and instructed according to their own abilities such as manual dexterity and vision with regard to the handling and care of their teeth and dentures.

Permanent and removable dentures 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 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

Ensure that the dentures do not tilt, as any tilting can lead to damage. Never insert dentures by biting the teeth together. This can lead to damage or even breakage of the connecting element. Further information on handling and aftercare of dentures is available in the patient information brochure at [www.cmsa.ch/docs](http://www.cmsa.ch/docs).

#### Insertion

Hold the dentures between the thumb and forefinger, and place them back into the mouth on the anchors. Search or feel for the correct insertion position and push the dentures onto the anchors with gentle, steady pressure. Carefully close your jaws and check whether the dentures are in the correct final position.

#### Removal

Hold the dentures between the thumb and forefinger, and slowly, carefully and steadily pull them off the anchors and remove them from the mouth.

---

### 21.3 Cleaning and care

We recommend cleaning your teeth and your dentures after every meal. Cleaning of dentures includes cleaning of the connecting element. The gentlest cleaning is achieved by cleaning the connecting element under running water with a soft toothbrush. The most intensive cleaning is achieved when cleaning the dentures in a small ultrasonic device and adding a suitable cleaning agent. Never clean the high precision connecting elements with toothpaste. This could lead to damage. Caution should also be exercised in the case of unsuitable cleaning agents or tablets. This could also damage the high quality connecting element or impair its function. Only clean the connecting parts on the other teeth or implants with water and a soft toothbrush as well as an interdental brush. Do not use toothpaste to avoid damage.

Pay attention to regular cleaning of the anchorage to prevent any inflammation of the soft tissue. For information and additional tips on caring for the instruments see the website ([www.cmsa.ch/docs](http://www.cmsa.ch/docs)).

For information and additional details, please contact your Cendres+Métaux SA representative.

---

### 22 Ordering information

More detailed information on the catalogue numbers, the number of products and their classification can be found in the product list under Point 29 in Table 1, the specific product catalogue, the packaging and, in the case of individual products, also directly on the product itself. You can find further information on the website [www.cmsa.ch/docs](http://www.cmsa.ch/docs) or the Cendres+Métaux SA Dental Documentation (available free of charge from all Cendres+Métaux SA subsidiaries, branches and dealers). For information and additional details, please contact your Cendres+Métaux SA representative.

---

### 23 Availability

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

---

### 24 Traceability Lot number

The batch numbers of all parts used must be documented to ensure traceability. If different batch numbers are used for the products described in this application area of the instructions for use for the fabrication of dentures, all the batch numbers concerned must be recorded to ensure traceability.

---

### 25 Complaint

Cendres+Métaux SA must be notified immediately of any incident that has occurred with regard to the product to all branches, offices and dealers of Cendres+Métaux SA and, in case of serious cases, to the competent authority where the user is registered.

---

### 26 Safe disposal

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

The use of third party products not distributed by Cendres+Métaux SA in connection with the products listed in Table 1 will void any warranty or other express or implied obligations of Cendres+Métaux SA.

The user of Cendres+Métaux SA products is responsible for determining whether or not a product is suitable for a specific patient and a specific situation.

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 or installation of Cendres+Métaux SA products.

The user is also obliged to regularly study the latest developments of the Cendres+Métaux SA products listed in Table 1 and their applications.

Please note: the descriptions contained in this document are not sufficient for the immediate application of Cendres+Métaux SA products. Specialist knowledge of dentistry, dental technology and instructions in handling the products listed in Table 1 by an operator with appropriate experience is always required.

## 29 Product list

Table 1

Cat. No.	Product name	Material	Single use	Multiple use	Basic UDI-DI
See Table 2	CM LOC® FLEX Abutment	TiAl6 V4 ELI, (Grade5)	Yes	CE 0483	764016651000045E5
See Table 2	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  
Table 2**

Cat. No.		Platform	Torque (recom- mendation)	Basic UDI-DI
<b>Straumann</b>				
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
<b>Nobel Biocare</b>				
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
<b>Astra Tech</b>				
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
<b>Zimmer</b>				
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
<b>MIS (wide platform)</b>				
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.		Platform	Torque (recom- mendation)	Basic UDI-DI
<b>BioHorizons</b>				
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
<b>Camlog</b>				
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
<b>Dentsply</b>				
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
<b>Sweden+Martina</b>				
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
<b>Osstem</b>				
0500 2566	CM LOC® FLEX Abutment	Osstem® TS Regular 4.0/4.5/5.0/6.0/7.0 GH1	30Ncm	764016651000045E5
0500 2567	CM LOC® FLEX Abutment	Osstem® TS Regular 4.0/4.5/5.0/6.0/7.0 GH2	30Ncm	764016651000045E5
0500 2568	CM LOC® FLEX Abutment	Osstem® TS Regular 4.0/4.5/5.0/6.0/7.0 GH3	30Ncm	764016651000045E5
0500 2569	CM LOC® FLEX Abutment	Osstem® TS Regular 4.0/4.5/5.0/6.0/7.0 GH4	30Ncm	764016651000045E5
0500 2570	CM LOC® FLEX Abutment	Osstem® TS Regular 4.0/4.5/5.0/6.0/7.0 GH5	30Ncm	764016651000045E5
0500 2586	CM LOC® FLEX Case Guide	Osstem® TS Regular 4.0/4.5/5.0/6.0/7.0	–	764016651000056EA



## 30 Symbols

-  Important information for the specialist
-  Warning symbol for increased caution

## Labelling on packaging/symbols

-  Date of manufacture
-  Manufacturer
-  Catalogue number
-  Batch code
-  Quantity
-  Observe the instructions for use, which are available in electronic form at the address specified.  
www.cmsa.ch/docs
- Rx only Attention: According to US federal law, this product may only be sold by or on behalf of a physician.
-   Cendres+Métaux products with CE labelling meet the requirements of the relevant European requirements.
-  Do not re-use
-  Non-sterile
-  Keep away from sunlight
-  Attention, observe accompanying documents
-   Unique Device Identification – UDI
-   European Authorised Representative
-  Importer in EU
-  Medical device