

Use



The high guide cone of the TiSi.snap abutments allows safe and reliable fixation of dentures with only two implants. As a result, perfect control of the denture during removal and integration is ensured and tilting is avoided to obtain increased stability of the entire restoration during masticatory stress and provide the patient with high wearing comfort.



The low guide cone of the TiSi.snap abutments is particularly suitable for dentures with slender designs. In such cases, retention.sil is integrated into the denture from the basal direction. The use of at least 3 implants with TiSi.snap abutment is recommended.



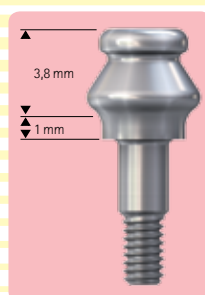
In cases of low bone height, the implants can be placed at an angle to make optimum use of the local bone. Thanks to the use of angled abutments on implants with oblique placement, the path of insertion is adjusted.



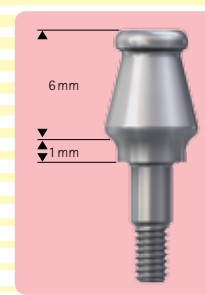
If an increased retention force is required and the pull-off force of retention.sil is not sufficient, the pull-off force can be raised up to almost 2 kg for each part for 10° to 20° by using the Locator® retention elements.

Order information

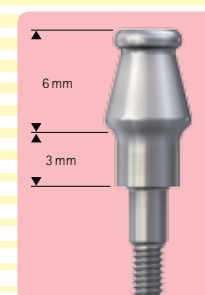
retention.sil & TiSi.snap



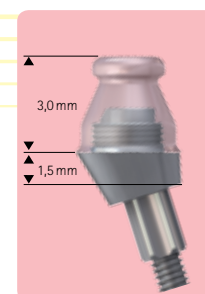
TiSi.snap 3/1
REF TISIOY31



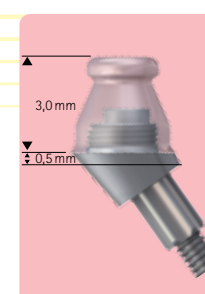
TiSi.snap 5/1
REF TISIOY51



TiSi.snap 5/3
REF TISIOY53

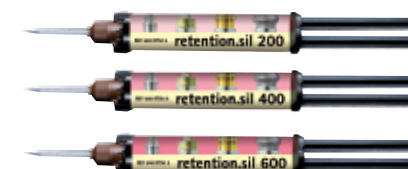


TiSi.snap abutment 17,5°
REF TISIA17



TiSi.snap abutment 35°
REF TISIA135

Designation	Shore hardness	Pull-off forces	REF
retention.sil 200	25 SH	200 g / 2 Newton	580 RTS 25
retention.sil 400	50 SH	400 g / 4 Newton	580 RTS 50
retention.sil 600	65 SH	600 g / 6 Newton	580 RTS 65



Multisil-Primer
5 ml
REF 520 0100 4



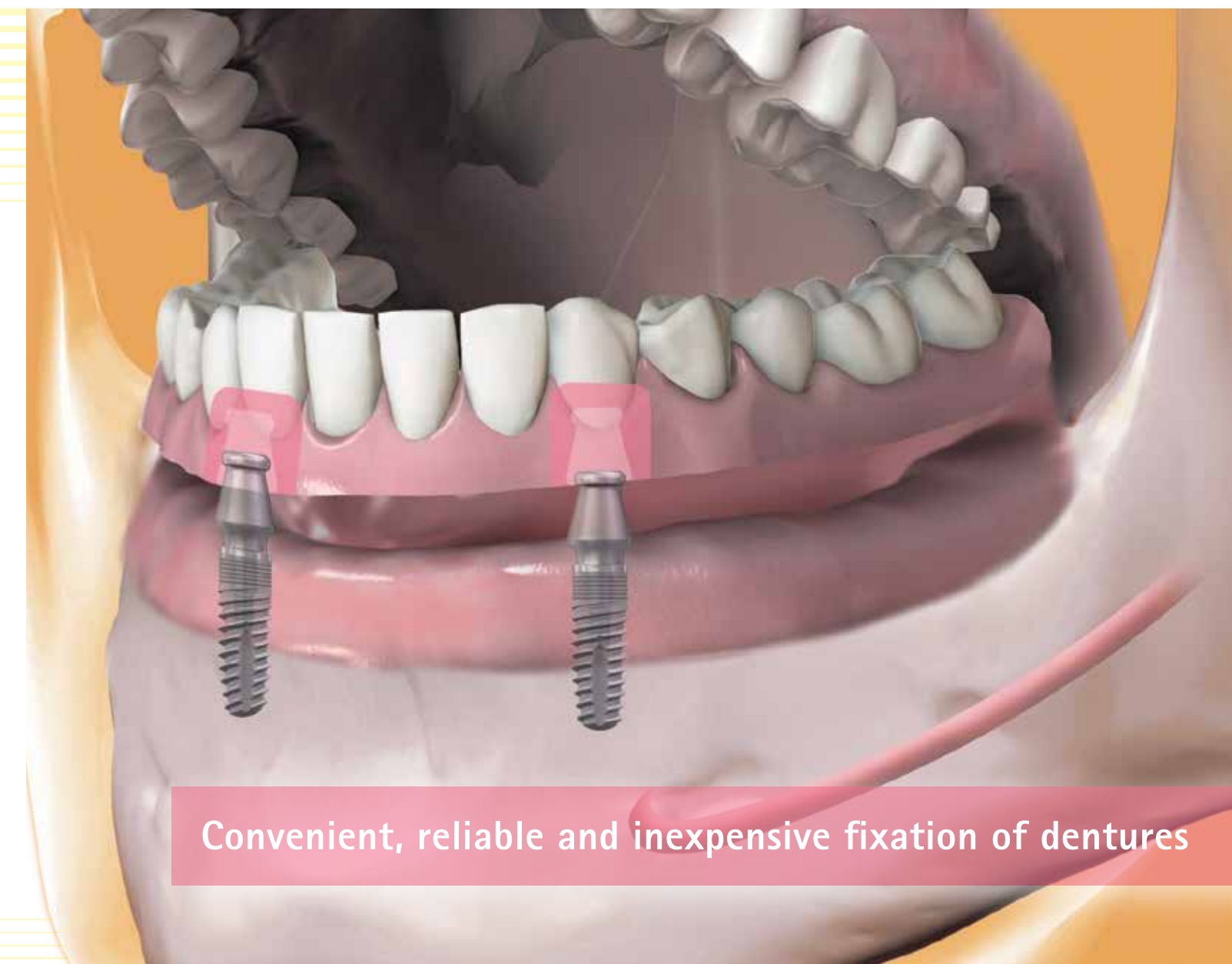
Special Silicon Trimmer
Ø 4,1 mm
REF SKY-DR 41

The special silicone cutter is suitable for angled and lab handpiece.



REF 580 RT SET
Retention.sil in 3 hardnesses
Mixing Tips and application instrument

retention.sil & TiSi.snap



Convenient, reliable and inexpensive fixation of dentures

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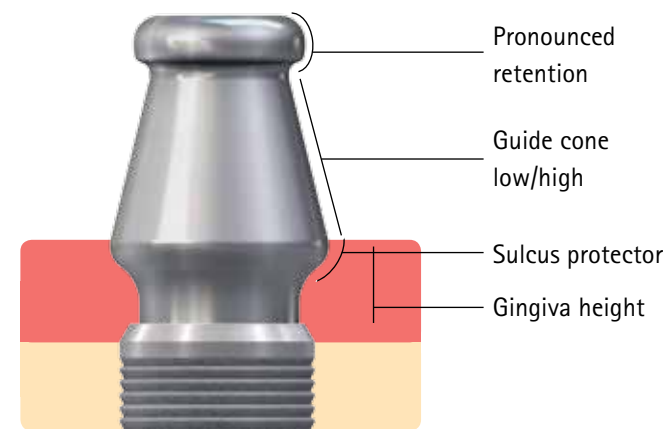


retention.sil

retention.sil & TiSi.snap



Different retention levels through different pull-off forces



Toothless old people often have big problems with their diet because the prosthesis does not fit properly and they can not eat fresh solid food any longer. However, they shy away from having major surgery and want simple yet efficient solutions.

TiSi.snap abutments in combination with retention.sil provide a fast and reliable method to treat patients (chair-side) with a comfortable fixed prosthesis.

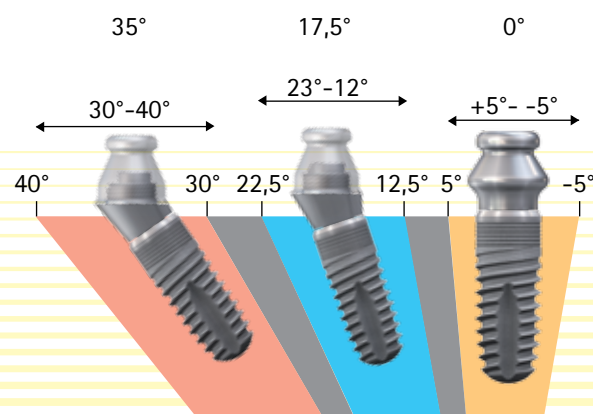
The special design of TiSi.snap abutments is based on the design of bollards which have been used for decades to ensure safe and reliable hold of ocean liners even in storms.

On the one hand, retention.sil is a silicone with very high tensile strength, which is perfectly suited to ensure a resilient position of the denture; on the other hand TiSi.snap is an abutment system with defined retention and a good guidance of the denture. This combination provides the high level of patient comfort while eating and chewing and avoids changes to the position of the denture.

Thanks to the different angles of the TiSi.snap abutments the residual bone can be optimally utilized so that complex augmentation procedures are avoided.

Moreover, the various heights allow to adapt the space requirements for the denture to the anatomical conditions.

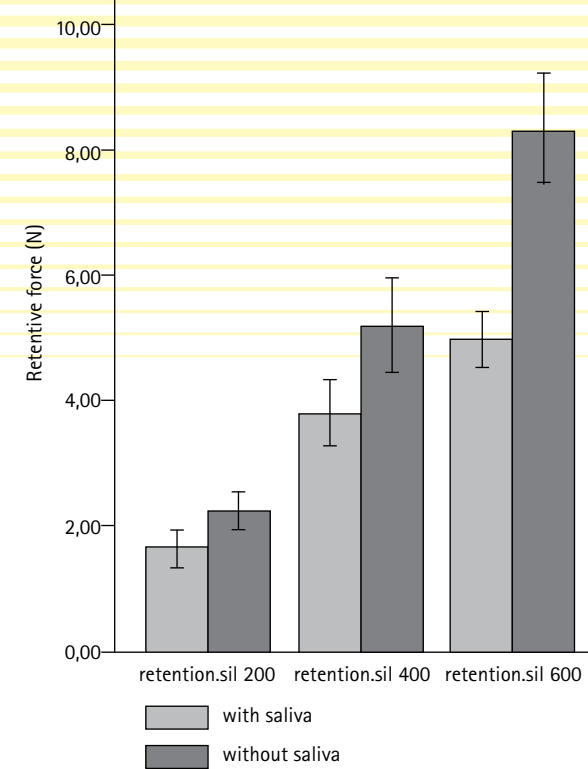
TiSi.snap abutments enable you to restore the quality of life of many of your older patients who are wearing dentures at affordable costs.



With each of the three angles, 10 ° divergence can be compensated. TiSi.snap abutments can be individualized for the angles which are not covered.

Scientifically proven function

Influence of saliva on the retentive force



*University Halle-Wittenberg, Dental Prosthetics

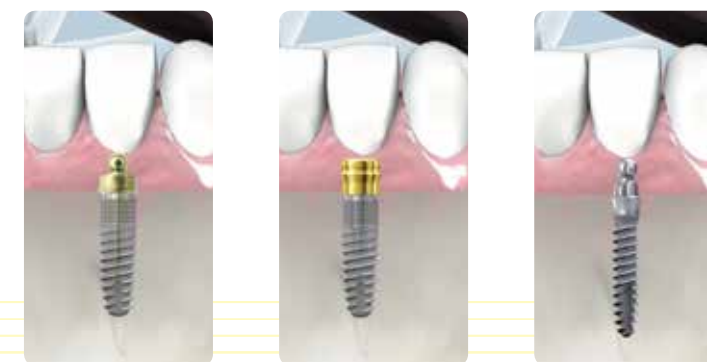
The function of retention.sil with TiSi.snap abutments was confirmed in an in-vitro study submitted for publication. retention.sil was also examined in contact with artificial saliva. In this study it was found that the saliva reduces the pull-off forces but they were still in the range indicated by bredent medical.

Moreover, it was found that pressure, storage in water and denture cleaners had only little influence on the pull-off forces of retention.sil in combination with TiSi.snap abutments.

Based on the results of this study, we recommend the following periods of use:

- retention.sil 400/600 12 to 24 months
- retention.sil 200 max. 6 months for simple fixation of the denture after surgery, to avoid uncontrolled stress

retention.sil as a repair material



retention.sil has also proved its reliability as a repair material since the market launch. retention.sil is an efficient repair material especially for restorations with worn-out locators or damaged/worn ball head anchors which do not provide adequate fixation of the denture any longer.

In numerous cases the retention could be restored to such an extent that patients were able to eat and laugh again without having to replace expensive components. In some cases of one-piece implants, explanation which would have otherwise been urgently required could be avoided.

retention.sil & TiSi.snap

The adhesion of the denture on the TiSi.snap abutment is adjusted by selecting one of the three retention levels of retention.sil - soft - medium - hard. retention.sil surrounds the TiSi.snap abutment completely and offers high chewing comfort thanks to a noticeably resilient bite based on the cushioning effect of retention.sil silicone.

The following pictures show how quickly and easily the denture is fixed on two implants at the chairside.

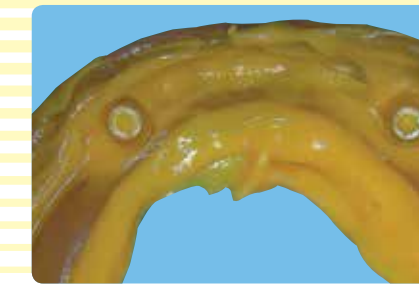
First, the position of the TiSi.snap abutment is localized with the use of a soft impression. Then these points are ground out of the denture. After application of the primer, retention.sil with the selected retention level or pull-off force is applied into the cavities.

After three minutes the denture is removed from the mouth and finished with the silicone cutter.

The happy patient leaves the practice after a short appointment with a comfortable, fixed and implant supported denture which can be easily removed by himself.



The fastest and most economical solution for full denture wearers.



The position of the TiSi.snap abutment is located with a flowable impression material.



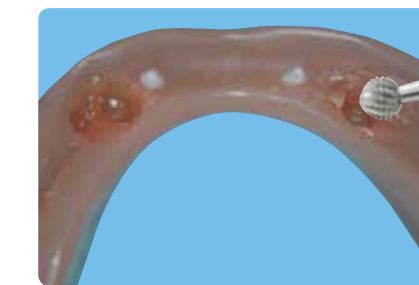
The denture is ground (chairside) at the marked positions from the basal direction.



After the cavity was conditioned with Multi-Sil liquid, retention.sil is filled up to the top.



The denture is inserted with the still soft retention.sil on TiSi.snap abutments. The patient closes his mouth and the denture (3 minutes) is fixed under slight masticatory pressure.



After 3 min, the denture is removed and excess retention.sil is removed with the silicone cutter.



retention.sil can be replaced as required or according to the patient's request. It is available in the set in three different retention levels.



The TiSi.snap abutment is not subject to wear and can be cleaned easily by the patient without any problems.