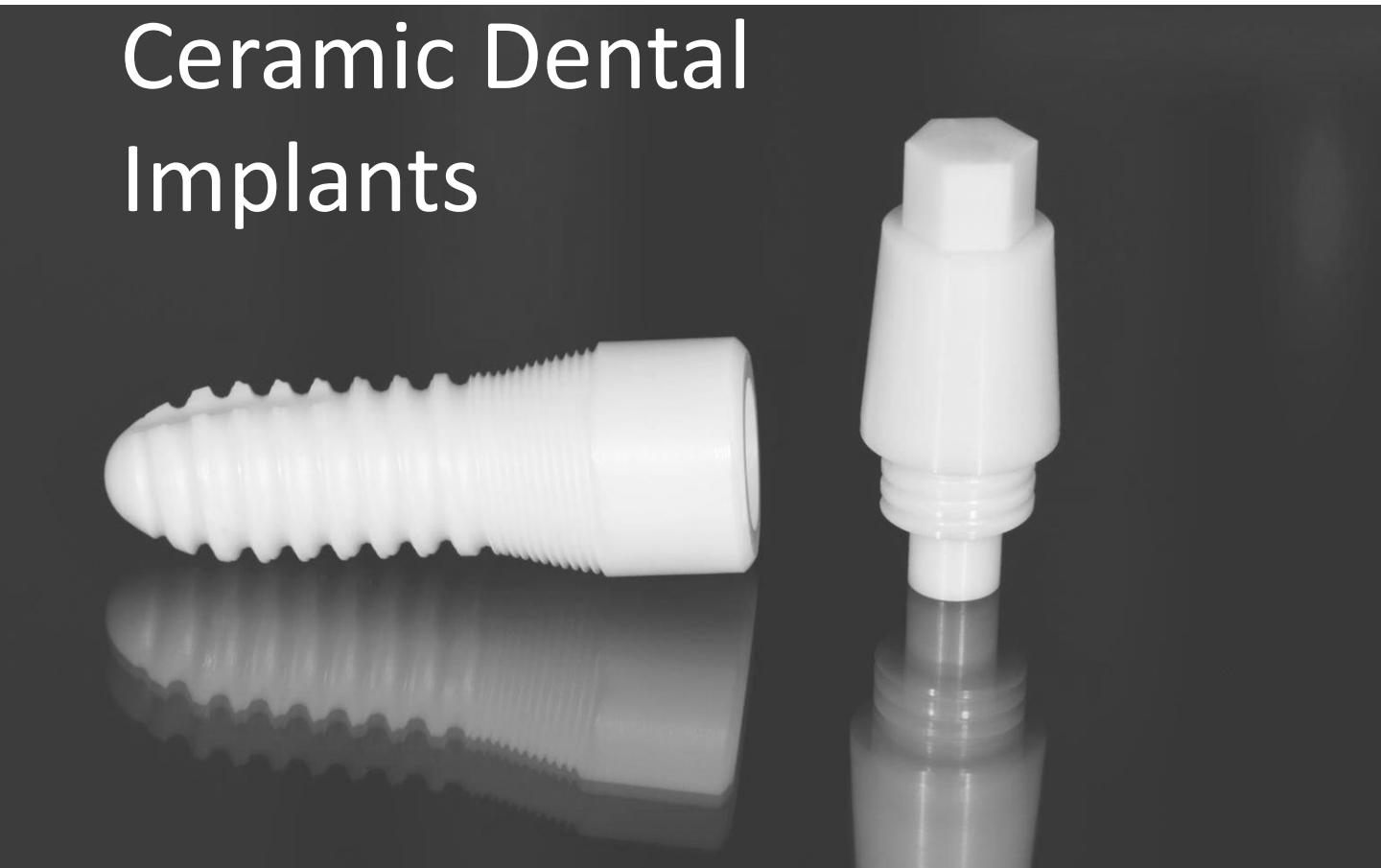
AWI

Albus WITAR Implants

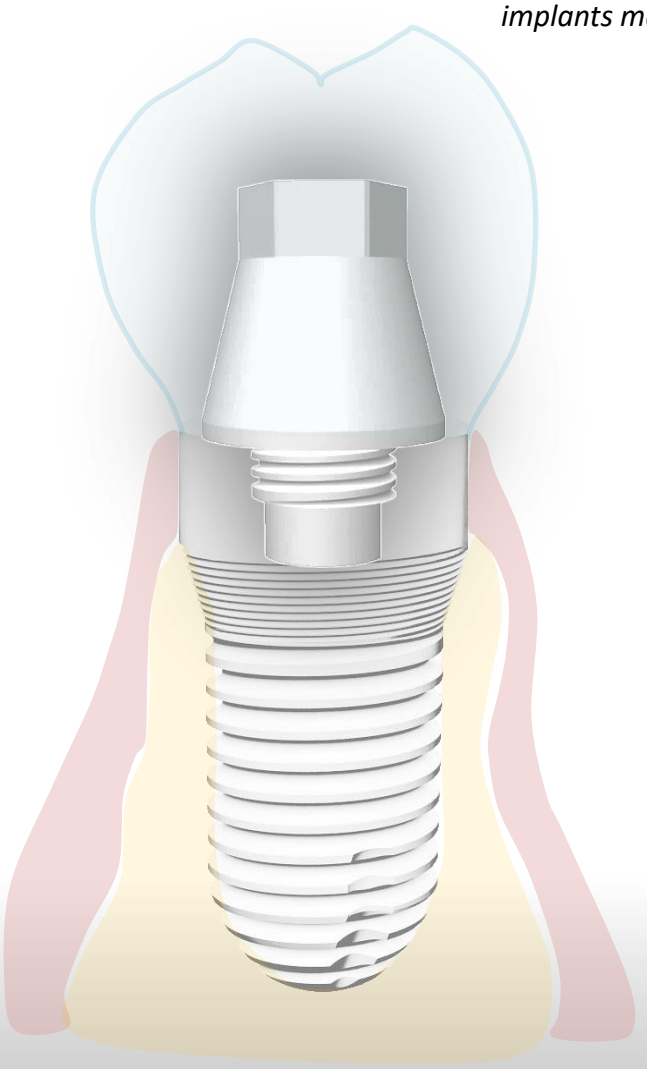
100% Metal-free

Ceramic Dental Implants



AWI implants are the perfect solution for all indications

AWI ceramic implants offer the optimal combination of aesthetics, stability, accuracy and healthy osseointegration. A sophisticated implant design, combined with modern materials offers the perfect solution for all bone classes and indications. 100% Metal-free implants made of Zirconium Oxide are completely bio-compatible.



Cemented abutment made of Zirconium Oxide for individual design, can be shaped in situ.

The transgingival shoulder area offers an optimized surface for the soft tissue and the aesthetic transition to the prosthetics

Conical micro threads in the area of the cortical bone allows a better primary stability and axial loading.

An optimized surface roughness of 1,7 µm is recommended by several studies and is achieved during a patented process. This combination of the surface and threads ensures an optimized osseointegration for all bone types.

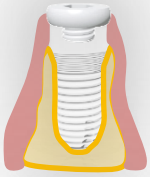
The self-cutting tip of the implant offers enough space for bone chips and a low-compression insertion.

AWI implants are made of the metal-free material Zirconium Oxide Y-TZP, a high-end ceramic. This material can be used for patients with a metal intolerance as well as metabolic- or autoimmune-diseases.

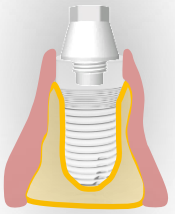
Optimized processes simplify the treatment.

The AWI implant system doesn't only offer an outstanding aesthetic and a biocompatible, metal-free Ceramic-implant, but also an easy and convenient process for shorter chair-times.

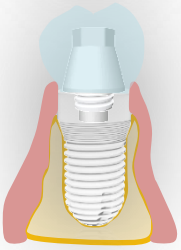
1. *Immediately after placement, AWI Implants are temporarily covered with a healing cap for the duration of the healing period.*
   Maxilla 5-6 months.
   Mandibula 3-4 months.

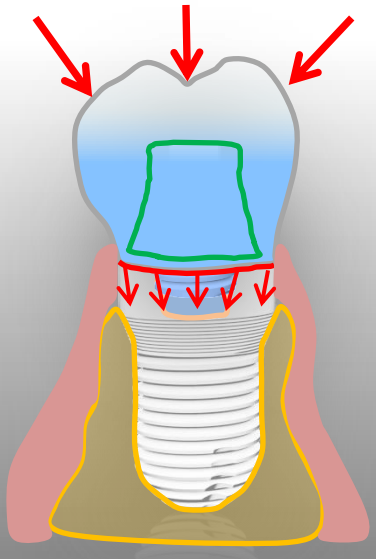


2. *After successful osseointegration, the healing cap is removed and the abutment is glued into the device with glass ionomer cement. The abutment is then prepared according to the prosthetic requirements using Rotring diamond drills, which only exert a slight pressure (<5 NCm) at a maximum of 100,000 rpm and ensure maximum cooling. Conventional impression techniques or intraoral scans are used to create a basis for the following prosthetic procedures.*



3. *The suprastructure is being produced conventionally and cemented to the abutment. The cemented AWI abutments guarantee optimal distribution of vertical, diagonal and horizontal forces onto the fixture. The abutment itself is only minimally loaded.*



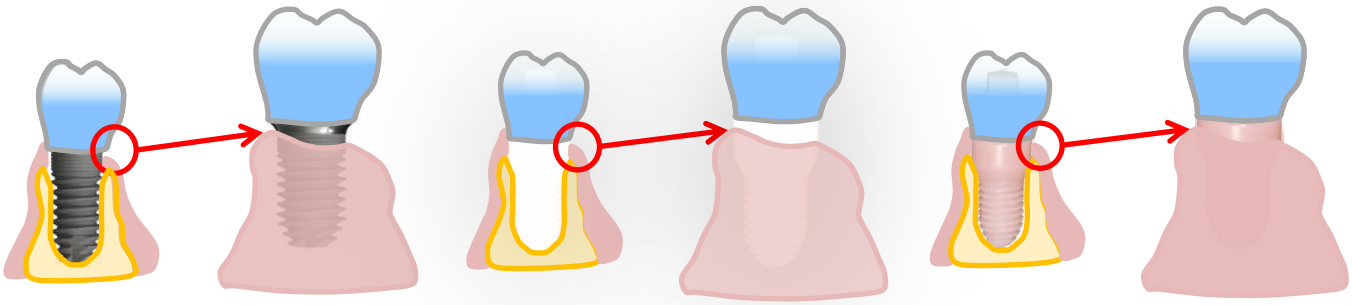


The cemented AWI abutments guarantee optimal distribution of vertical, diagonal and horizontal forces onto the fixture. The abutment itself is only minimally loaded.

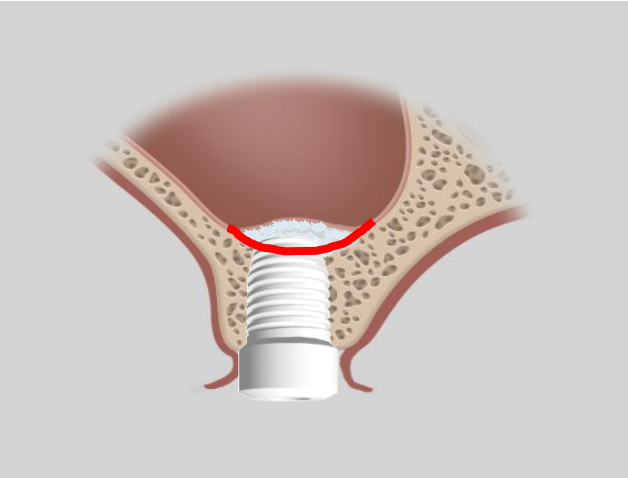
AWI
Albus WITAR Implants

G-Line

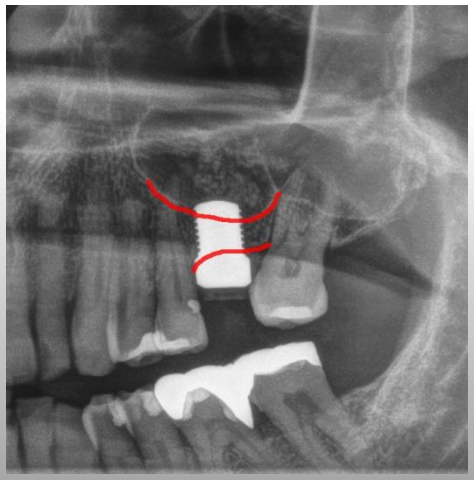
Gingiva-colored Ceramic Dental Implants
For better results in aesthetically challenging areas



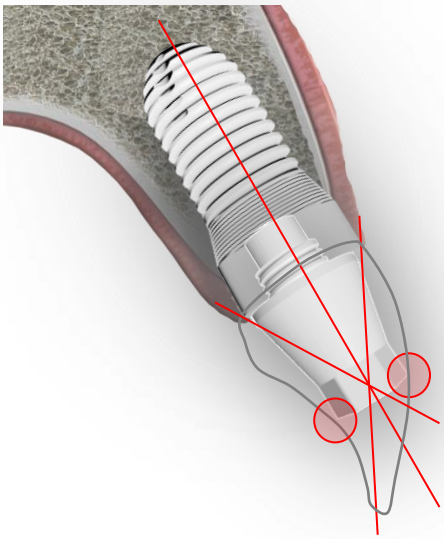
AWI Sinus-lift Implant
AWI-6008



***AWI Sinus-lift implant**: especially designed for internal sinus lift procedures, mostly recommended for use in Sinus-Area for patients with bone loss. The implant has a self-cutting thread, a convex, and polished tip to avoid a perforation of the Sinus membrane.*



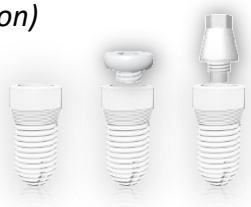
Preparation of the abutment.



The ceramic abutments can be shaped up to 20° angles. Please use red-ring diamond burs with a maximum revolution of 100.000 RPM, light pressure of less than 5 Ncm and ensure maximum cooling.

Preparation kit

Developed for dental surgery, ideal for grinding zircon and glass ceramics.
Advantages over conventionally manufactured burs:
- Reduced chair time due to approx. 20% higher cutting performance
- Low heat development due to gold-plated shaft (improved temperature dissipation)
- fine grain (red ring)



Recommended Implant-Dimensions

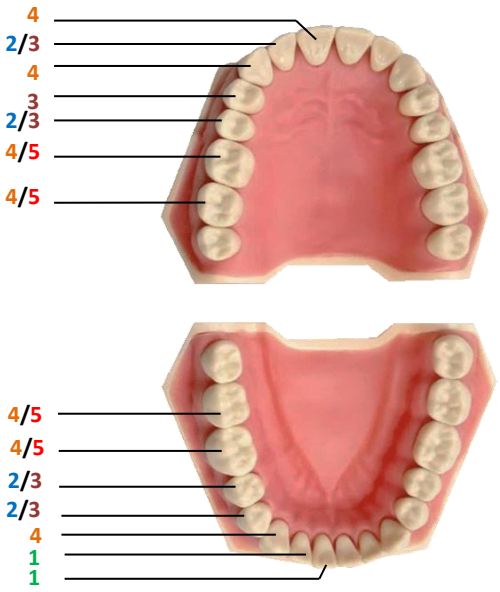
1 ***AWI-394010, AWI-394012***
Ø 3,9 mm Diameter Trhread
Ø 4,0 mm Shoulder
Length 10 mm/12 mm

2 ***AWI-3908, AWI-3910, AWI-3912***
Ø 3,9 mm Diameter Trhread
Ø 5,0 mm Shoulder
Length 8,0 mm/10 mm/12 mm

3 ***AWI-4508, AWI-4510, AWI-4512***
Ø 4,5 mm Diameter Trhread
Ø 6,0 mm Shoulder
Length 8,0 mm/10 mm/12 mm

4 *AWI-5008, AWI-5010, AWI-5012*
Ø 5,0 mm Diameter Trhread,
Ø 6,0 mm Shoulder
Length 8,0 mm/10 mm/12 mm

5 *AWI-6008*
Ø 6,0 mm Diameter Trhread,
Ø 7,0 mm Shoulder
Length 8,0 mm



Selecting the right Implant

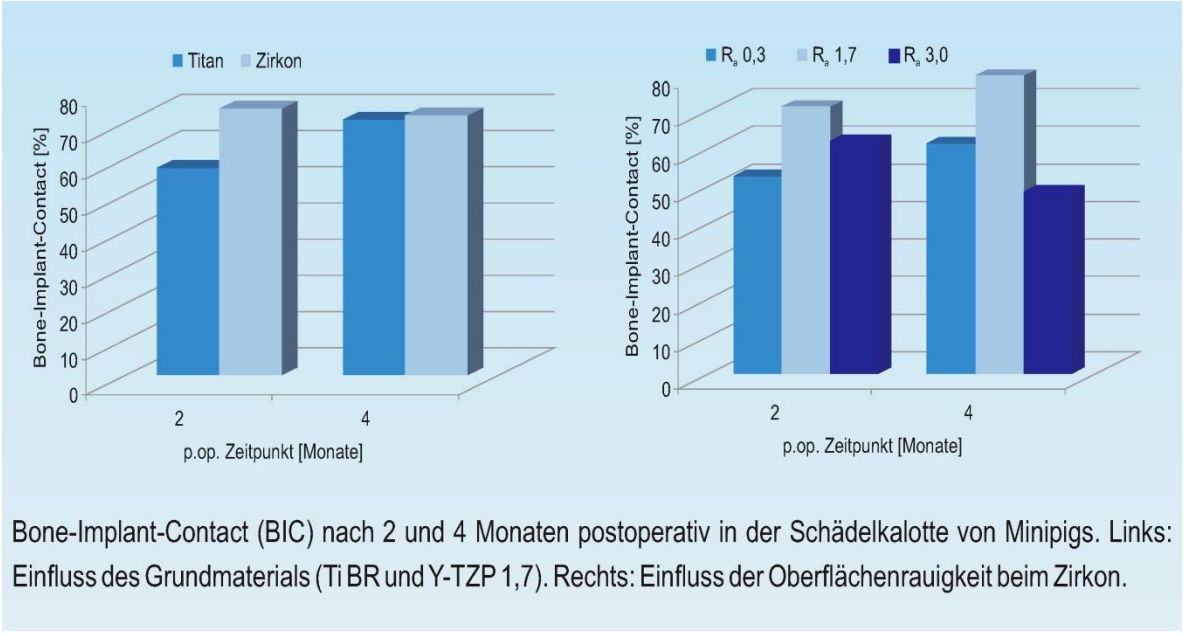
Please observe the following criteria when selecting your Implant diameter:

- *width of the tooth to be replaced*
- *distance between the roots of the adjacent teeth*
- *calculation of the future chewing force on the implant*

Recommendation:

Always select the implant with the largest diameter and length possible!

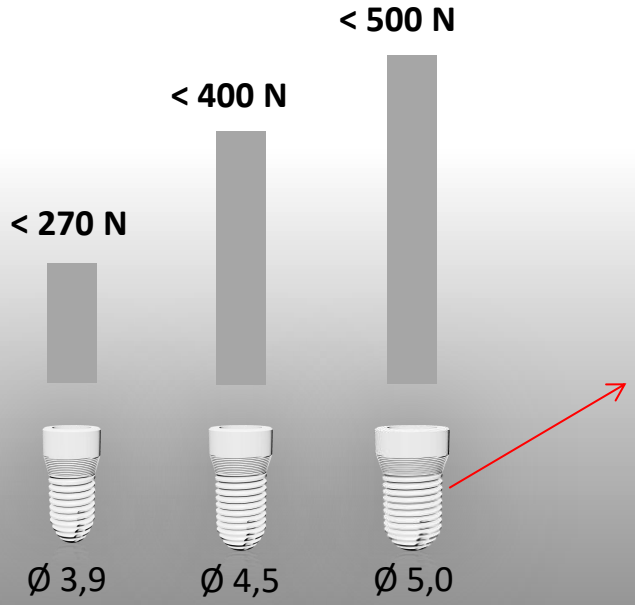
Cell biology

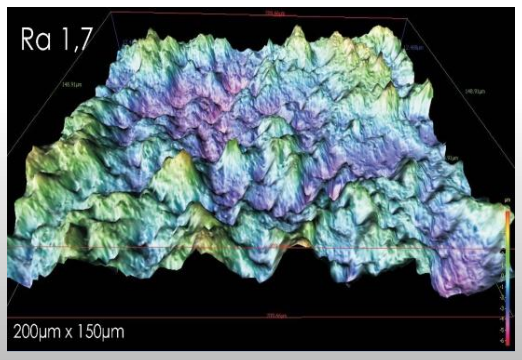


Bone-Implant-Contact (BIC) nach 2 und 4 Monaten postoperativ in der Schädelkalotte von Minipigs. Links: Einfluss des Grundmaterials (Ti BR und Y-TZP 1,7). Rechts: Einfluss der Oberflächenrauigkeit beim Zirkon.

Dynamic strength test of AWI Implants

Survey report dynamic and static test according to ISO14801, report from 2017-03-07



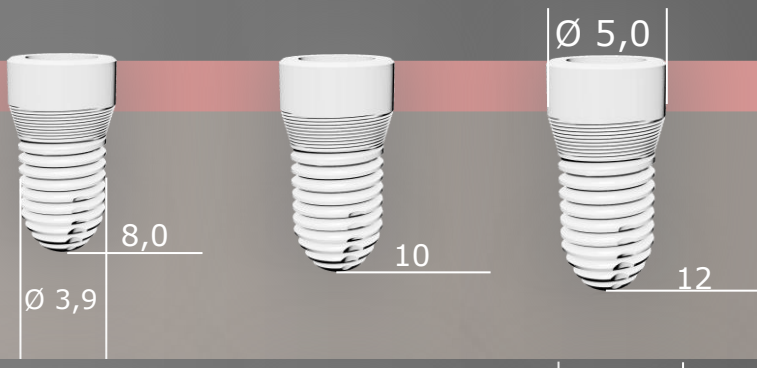


Sizes of AWI Implants

3,0

AWI-3908 / AWI-3910 / AWI-3912

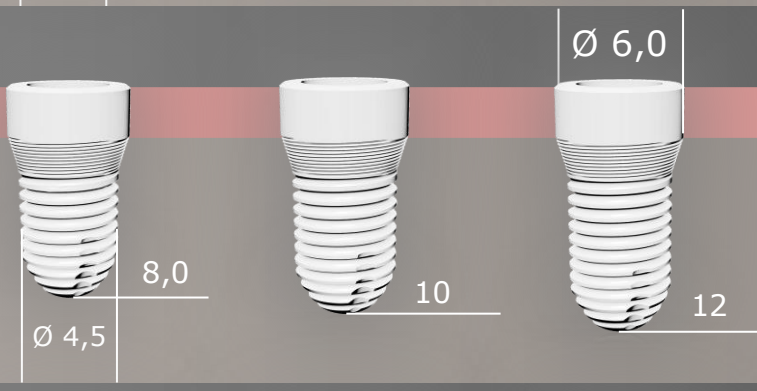
Ø 3,9 mm Thread
Ø 5,0 mm Shoulder area
Thread length: 8,0mm/10mm/12mm



3,0

AWI-4508 / AWI-4510 / AWI-4512

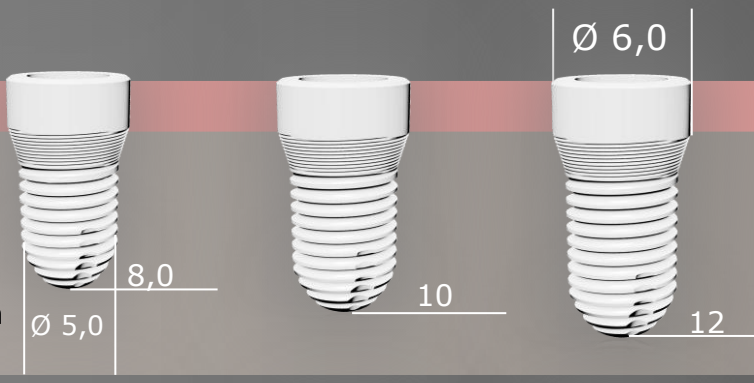
Ø 4,5 mm Thread
Ø 6,0 mm Shoulder area
Thread length: 8,0mm/10mm/12mm



3,0

AWI-5008 / AWI-5010 / AWI-5012

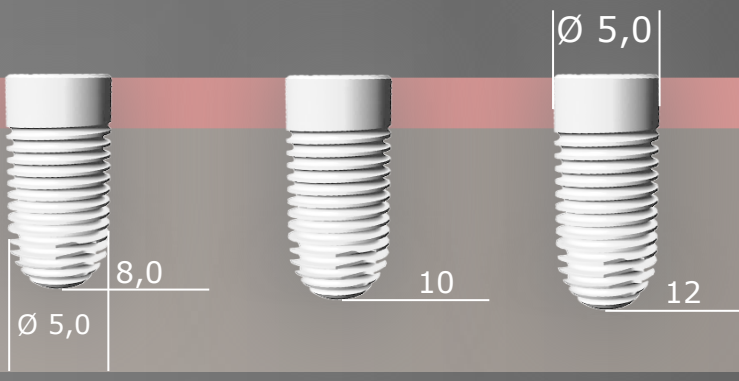
Ø 5,0 mm Thread
Ø 6,0 mm Shoulder area
Thread length:8,0mm/10mm/12mm/14mm



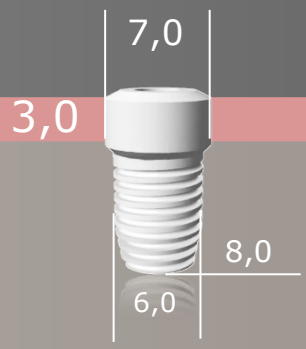
3,0

AWI-5008Z / AWI-5010Z / AWI-5012Z

Ø 5,0 mm Thread
Ø 5,0 mm Shoulder area
Thread length: 8,0mm/10mm/12mm/14mm



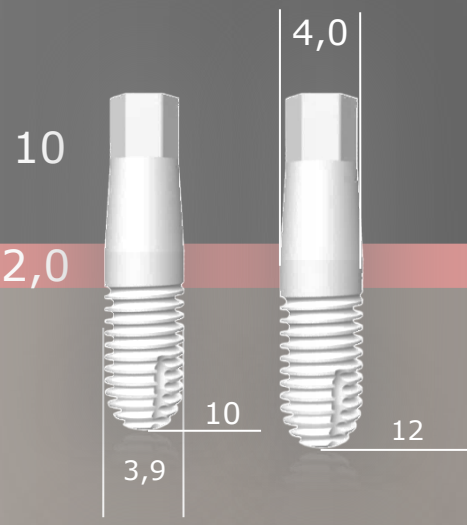
AWI Sinus-lift Implant



AWI-6008

Ø 6,0 mm Thread
Ø 7,0 mm Shoulder area
Thread length 8,0 mm

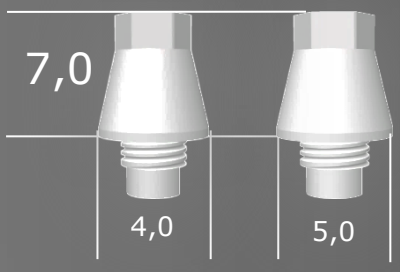
one-piece AWI ceramic implants for anterior teeth in the lower jaw



AWI-394010 / AWI-394012

Ø 3,9 mm Thread
Ø 4,0 mm Shoulder area
Thread length: 10mm/12mm

AWI full ceramic abutments



AWI-AB-5070 / AWI-AB-6070

Ø 4,0mm for Implants
with Ø 5,0 mm Shoulder area
Overall length 7,0 mm

Ø 5,0 mm for Implants
with Ø 6,0/7,0 mm Shoulder area
Overall length 7,0 mm

Case reports

AWI offers an innovative solution for 100% metal-free Ceramic Dental Implants





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AWI

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