Introducing NEW OSSEOTITE® Implants

The Solution Designed To Help Achieve Primary Stability With Parallel Walled Implants:

• New Design Features For A Tighter Osteotomy Fit
• Increased Lateral Threads For “Bite-In-Bone” Engagement
• Designed To Provide More Surface Area In Direct Contact With Bone

Providing Clinicians One Solution At A Time With OSSEOTITE® Implants

• More Surface Area Than The Previous Design For Greater Immediate Bone-To-Implant Contact
• Implant Design Allows For Steady Increase Of Insertional Torque Throughout Placement Indicating Mechanical Engagement Into Bone

Is Achieving Primary Stability A Challenge?
Try The OSSEOTITE® Parallel Walled Implant!
In order to accommodate patient demands for shorter treatment times, surgical procedures have evolved. Soft bone implant placement, tooth extraction with immediate placement/loading and earlier loading are more prevalent today, increasing the demands on dental implant design and performance. An enhancement of the legacy OSSEOTITE® Implant, the new OSSEOTITE® Parallel Walled Implant is designed for more immediate bone-to-implant contact for primary stability.

How Is This Accomplished?
The new OSSEOTITE® design has a longer parallel walled section for more direct implant body contact with the osteotomy walls. The shorter apical taper and cutting flutes provide more apical stability, while the long and narrow thread profile for the 5.0mm and 6.0mm implants generates an anchoring “bite-in-bone” engagement. This helps to reduce the risk of excessive micromovement early in the healing process.

Modifications for 5.0mm and 6.0mm:
1. A longer parallel walled section.
2. Narrower threads patterned after the Tapered Implant with a 35° thread angle and a 0.8mm thread pitch.
3. A reduced apical taper and shorter cutting flute height.

Modifications for 3.25mm and 4.0mm:
1. A longer parallel walled section.
2. A reduced apical taper and shorter, narrower, implant length-specific cutting flutes.

To facilitate a transition to the new design, existing OSSEOTITE® Parallel Walled Prosthetic Components, Drilling Instrumentation and Guidelines remain compatible with OSSEOTITE® Implants, except as noted below. Additionally, all OSSEOTITE® Implants are manufactured from biocompatible commercially pure titanium.

*Exceptions:
1. New Dense Bone Taps for 5.0mm and 6.0mm Implants.
2. Tapping is a requirement prior to placing the implant in dense bone for 5.0mm and 6.0mm implant diameters.

“In my opinion, the OSSEOTITE® Implant can be a great help in achieving better primary stability in soft bone.”
-Dr. Michael Christgau, Germany
NEW OSSEOTITE Implants Are Designed To Provide More Surface Area In Direct Contact With Bone At The Time Of Implant Placement*

OSSEOTITE Certain Implant 4.0mm Diameter Apical Surface Area

- Existing
- New
- % of Increase of Surface Area

Note: OSSEOTITE Certain 3.25mm Implant reflects similar surface area increases.

OSSEOTITE Certain Implant 5.0mm Diameter Apical Surface Area

- Existing
- New
- % of Increase of Surface Area

Note: OSSEOTITE Certain 6.0mm Implant reflects similar surface area increases.

*Surface area was calculated using CAD Software, which simulated implant placement in medium bone.
Design Comparison (continued)

Higher Torque And Bone Engagement

The OSSEOTITE® Implant is associated with higher insertional torque throughout implant placement, indicating improved mechanical engagement with bone as compared to the OSSEOTITE® Implant.*

Because of the higher torque levels achieved, hand ratcheting the implant to the final position is often required in order to fully seat the implant. To precisely measure the torque level, BIOMET® offers the High Torque Indicating Ratchet Wrench (H-TIRW), which indicates torque ranges of 50-90Ncm.

When placing the 5.0mm or 6.0mm diameter OSSEOTITE® Implant, the need to tap the osteotomy may occur and is required for dense bone (Type 1) placement. To facilitate placement, BIOMET 3i developed new taps for these implants that correspond with the new implant thread dimensions. For the 3.25mm and 4.0mm diameter implants, the taps are unchanged.

Note: Tapping in dense bone is required for 5.0mm and 6.0mm diameter implants. Additionally, regardless of diameter, exceeding an insertional torque of more than 90Ncm may deform or strip the driver tip or the implant's internal hex and may possibly delay the surgical procedure.

“I found the OSSEOTITE® Implant provided higher primary stability, particularly in immediate placement scenarios!”

-Dr. Tiziano Tealdo, † Italy

*Bench data on file
Single Tooth Replacement With An OSSEOTITE®2 Certain® Implant
In The Aesthetic Zone
Pär-Olov Östman, DDS, PhD, Falun, Sweden

Fig 1. A fractured tooth root was removed.

Fig 2. A 4.0mm (D) x 13.0mm (L) OSSEOTITE®2 Certain® Implant was placed into the prepared osteotomy.

Fig 3. The implant was fully seated into the osteotomy.

Fig 4. A clear template was tried-in over the modified PreFormance® Temporary Cylinder.

Fig 5. The immediate provisional restoration in place.

Fig 6. Periapical radiograph of the implant and provisional restoration on the day of placement.

“The OSSEOTITE® Implant provides a nice stable feeling. I believe it’s the best straight wall implant I have ever placed.”
-Dr. Pär-Olov Östman, ** Sweden
Immediate Placement Of OSSEOTITE® Certain® Implants In Extraction Sites

Tiziano Testori, MD, DDS, FICD, Como, Italy

Fig 1. A 6mm (D) x 10mm (L) OSSEOTITE® Implant was placed immediately into the extraction site in tooth position No. 2 [17].

Fig 2. A 5mm (D) x 10mm (L) OSSEOTITE® Implant was placed immediately into the extraction site in tooth position No. 3 [16].

Fig 3. A collagen plug was placed and the soft-tissue flaps were secured with intermittent VICRYL® PLUS sutures around EP® Healing Abutments.

Fig 4. Periapical radiograph taken at the time of implant placement into the extraction sites.

Fig 5. Six months post implant placement, the implants received definitive restorations.

Fig 6. Periapical radiograph of the definitive restoration in place, one year post placement.
## OSSEOTITE® Ordering Information

### NEW OSSEOTITE® Implants And Bone Taps

#### Certain® Internal Connection

**OSSEOTITE® Certain Implants**

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<tr>
<th>Length</th>
<th>3.25mm(D)</th>
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#### External Hex Connection

**OSSEOTITE® External Hex Implants**

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#### OSSEOTITE® Certain® PREVAIL® Implants

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#### Bone Taps

**OSSEOTITE® Bone Taps**

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**OSSEOTITE® Implants**

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If You Are Looking For Primary Stability With A Straight Walled Implant, Please Contact Your BIOMET 3i® Sales Representative For More Information About The OSSEOTITE® Parallel Walled Implant.

**These clinicians have a financial relationship with BIOMET 3i LLC resulting from speaking engagements, consulting engagements and other retained services.

To Receive Information About BIOMET 3i's Products, Services And Events By Email, Please Visit Our Website At www.biomet3i.com

Not Available In All Markets. Please Consult Your Local BIOMET 3i Sales Representative For Availability.

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