


Starter Kit Includes:
- 15 Screws: All Screws Self-Drilling
- 3 Pieces of 18x25x0.1mm Ti-Mesh or 1 Piece of 40x60x0.1mm Ti-Mesh
- Osteogen® Bioactive Resorbable Calcium Apatite
- OsteoDemin™ Human Bone Allograft
- Sterilization Cassette
- Related instrumentation

800-526-9343
www.impladentltd.com
The **TriStar Bone Graft Fixation System** offers a unique blend of clinical simplicity, advanced features, precision & affordability that is unmatched on the dental market today. We include all of the components found in a superior screw fixation kit, and we also include 15 Self-Drilling screws, your choice of titanium mesh, **OSTEOGen** Bioactive Resorbable Calcium Apatite and **OSTEODEMIN** Demineralized Allograft giving the clinician the most complete bone graft fixation system available.

**SquareLock Connection**

The Impladent Ltd tapered SquareLock™ Connection provides an ultra secure fit that allows the user to pick up and deliver the screw using only one tool, reduces driver slippage and provides excellent driving torque upon delivery.

**Self-Drilling Screws**

All of the screws in the system are self-drilling, eliminating the need to pre-drill into the host.

**Short Screws**

The short screws are designed to be used to secure titanium mesh and membranes. There is no need to use an additional tool or a mallet to deliver.

<table>
<thead>
<tr>
<th>Length</th>
<th>Threaded</th>
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<tbody>
<tr>
<td>3mm</td>
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<tr>
<td>4mm</td>
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<tr>
<td>5mm</td>
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**Partially Unthreaded and Tapered Screws**

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<tr>
<td>8mm</td>
<td>5mm / 3mm</td>
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<tr>
<td>10mm</td>
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<td>12mm</td>
<td>6mm / 6mm</td>
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<tr>
<td>14mm</td>
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Partially unthreaded and tapered screws are designed to be used as **Adjustable Tenting Screws** as well as to compress **Bone Blocks** or OsteoTape* preformed flexible shapes to the host. Use a 2.0mm drill to make a hole through the bone block. Additional longer fully threaded screws are available in lengths of 15mm, 18mm, 21mm and 24mm for Vertical Vascular Osteotomy Procedures.

**Cassette**

The cassette holds and organizes all of the instruments available including the titanium mesh and up to 45 screws. The tray has a screw gauge measuring up to 24mm. The tapered driver ensures a secure fit with the SquareLock™ screw head and engages with the handle through a quick release pull back mechanism. Only one tool is needed to pick up and deliver the screw to the patient.

At 0.1mm thin, our titanium mesh is among the thinnest available while maintaining predictable strength. With smooth & finished edges, it bends easily and has no memory which avoids dehiscence. The pores are small enough to contain graft material, but large enough to allow for blood flow and angiogenesis. One large ti-mesh (40x60mm) or three small ti-mesh (18x25mm) are included in the kit at no additional charge.

**OSTEOGEN**

**OSTEODEMIN**

**DEMINERALIZED ALLOGRAFT**

**Bone Graft Materials**

The **TriStar Bone Graft Fixation System** comes with one vial of **OSTEOGen** and one vial of **OSTEODEMIN** Demineralized Allograft. **OSTEOGen** and demineralized allograft have been successfully combined for use in large defects for over two decades as first reported by Whitaker and Lozada.1 This protocol is recommended in bone modeling cases where titanium mesh is used. OsteoGen® controls migration of connective tissue and provides a slowly resorbing scaffold while the demineralized allograft provides the potential for osteoinductivity yielding an optimal environment for bone regeneration.2-4
The **TRISTAR BONE GRAFT FIXATION SYSTEM** offers a unique blend of clinical simplicity, advanced features, precision & affordability that is unmatched on the dental market today. We include all of the components found in a superior screw fixation kit, and we also include 15 Self-Drilling screws, your choice of titanium mesh, OSTEOGEN® Bioactive Resorbable Calcium Apatite and OSTEODEMIN™ Demineralized Allograft giving the clinician the most complete bone graft fixation system available.

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**SquareLock Connection**

**Titanium Mesh**

**Cassette**

**Unthreaded & Tapered Screw Design**
Medium length screws have a partially unthreaded and tapered design that secures **Bone Blocks** to the host with intimate contact. Blocks secured by fully threaded screws cannot achieve this level of host adaptability without the thread binding to the block and pulling away from the host. The tapered design also functions as an **Adjustable Tenting Screw** allowing the clinician to adjust the height/direction from 1-2mm when used in tenting procedures.


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