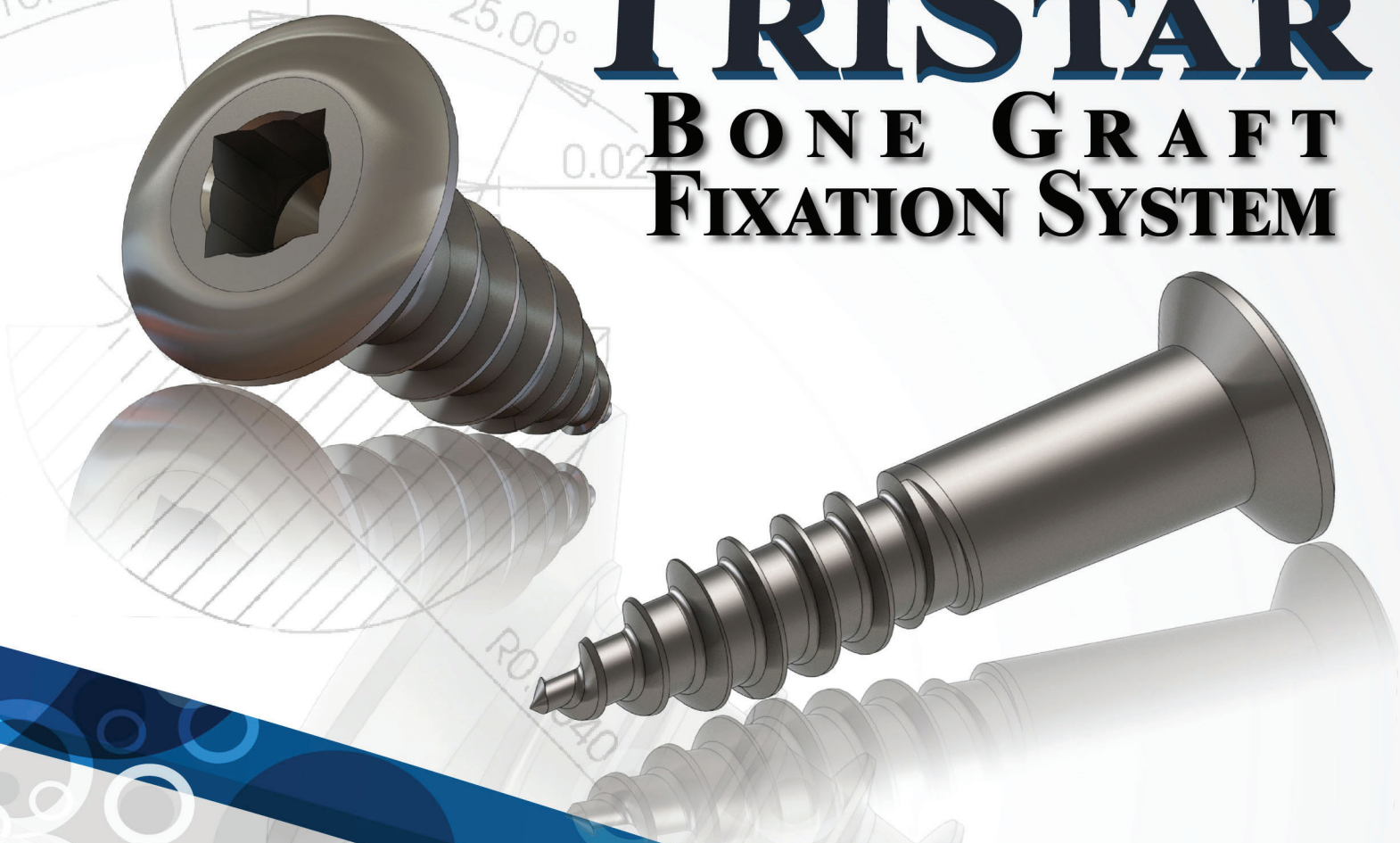
IMPLADENT LTD

REGENERATIVE SOLUTIONS

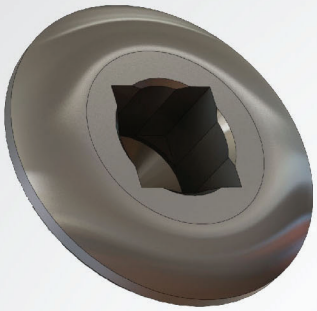
TRISTAR™

BONE GRAFT FIXATION SYSTEM



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 NonDemin™ Mineralized 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.

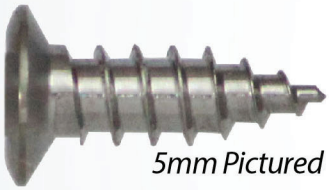
Unthreaded & Tapered Screw Design

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.

Self-Drilling Screws

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

Short Screws



5mm Pictured

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.

Length	Threaded
3mm	Fully
4mm	Fully
5mm	Fully

Partially Unthreaded and Tapered Screws

10mm Pictured

14mm Pictured

Length	Threaded/Unthreaded
6mm	4mm / 2mm
8mm	5mm / 3mm
10mm	5mm / 5mm
12mm	6mm / 6mm
14mm	7mm / 7mm

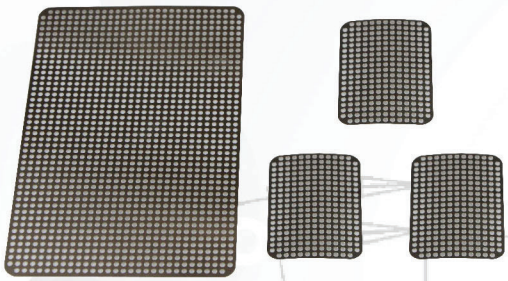
Partially unthreaded and tapered screws are designed to be used as **Adjustable Tenting Screws** as well as to compress **Bone Blocks** or OsteoTape® preformed flexible shapes to the host. Use a 2.0mm drill to make a hole through the bone block. Additional longer fully threaded screws are available in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

Cassette

ALL THIS FOR THE LOW PRICE OF $999.

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.

Titanium Mesh

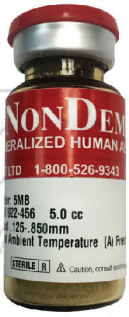


At 0.1mm thin, our titanium mesh is among the thinnest available while maintaining predictable strength. With smooth & finished edges, it bends easily and has no memory which avoids dehiscence. The pores are small enough to contain graft material, but large enough to allow for blood flow and angiogenesis.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

Bone Graft Materials

OsteoGen®

NonDemin™ Mineralized Allograft



The **TriStar Bone Graft Fixation System** comes with one vial of OsteoGen® and one vial of NonDemin™ Mineralized Allograft. OsteoGen® and allograft have been successfully combined for use in 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 for bone integration.[2-4]

SquareLock Connection

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
- NonDemin™ Mineralized Allograft
- Latch Driver
- Sterilization Cassette
- Related instrumentation

~~Retail Price $1,299~~

Price as a Kit $999

All Future Orders of Screws are always 10% off!

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1.Whittaker JM, James RA, Lozada J, Cordova C and GaRey DJ: "Histological response and clinical evaluation of heterograft and allograft materials in the elevation of the macxillary sinus for the preparation of endosteal dental implants sites. Simultaneous sinus elevation and root form implantation: An eight-month autopsy report." J Oral Implantology, 15(2): 141-144, 1989.
2.Artzi Z, Nemcovsky CE and Dayan D: "Nonceramic hydroxylapatite bone derivative in sinus augmentation procedures: Clinical and histomorphometric observations in 10 consecutive cases." Int J Periodontics Restorative Dent, 23:381-389, 2003.
3.Ricci JL, Blumenthal NC, Spivak JM and Alexander H: "Evaluation of a low-temperature calcium phosphate particulate implant material: Physical-chemical properties and in vivo bone response." J Oral Maxillofacial Surgery 50:969-978, 1992.
4.Ruano R, Jaeger RG and Jaeger MMM: "Effect of a ceramic and non-ceramic hydroxylapatite on cell growth and procollagen synthesis of cultured human gingival fibroblasts." J Periodontol, 71(4):540-545, 2000.
5.Spivak JM, Ricci JL, Blumenthal NC, Alexander H: "A new canine model to evaluate the biological response of intramedullary bone to implant materials and surfaces." J Biomed. Mater Rsrch, 24:1121-1149, 1990.
6.Valen M, Ganz SD: "A Synthetic Bioactive Resorbable Graft For Predicatble Implant Reconstruction: Part One" J Oral Implantology, 28(4):167-177, 2002.