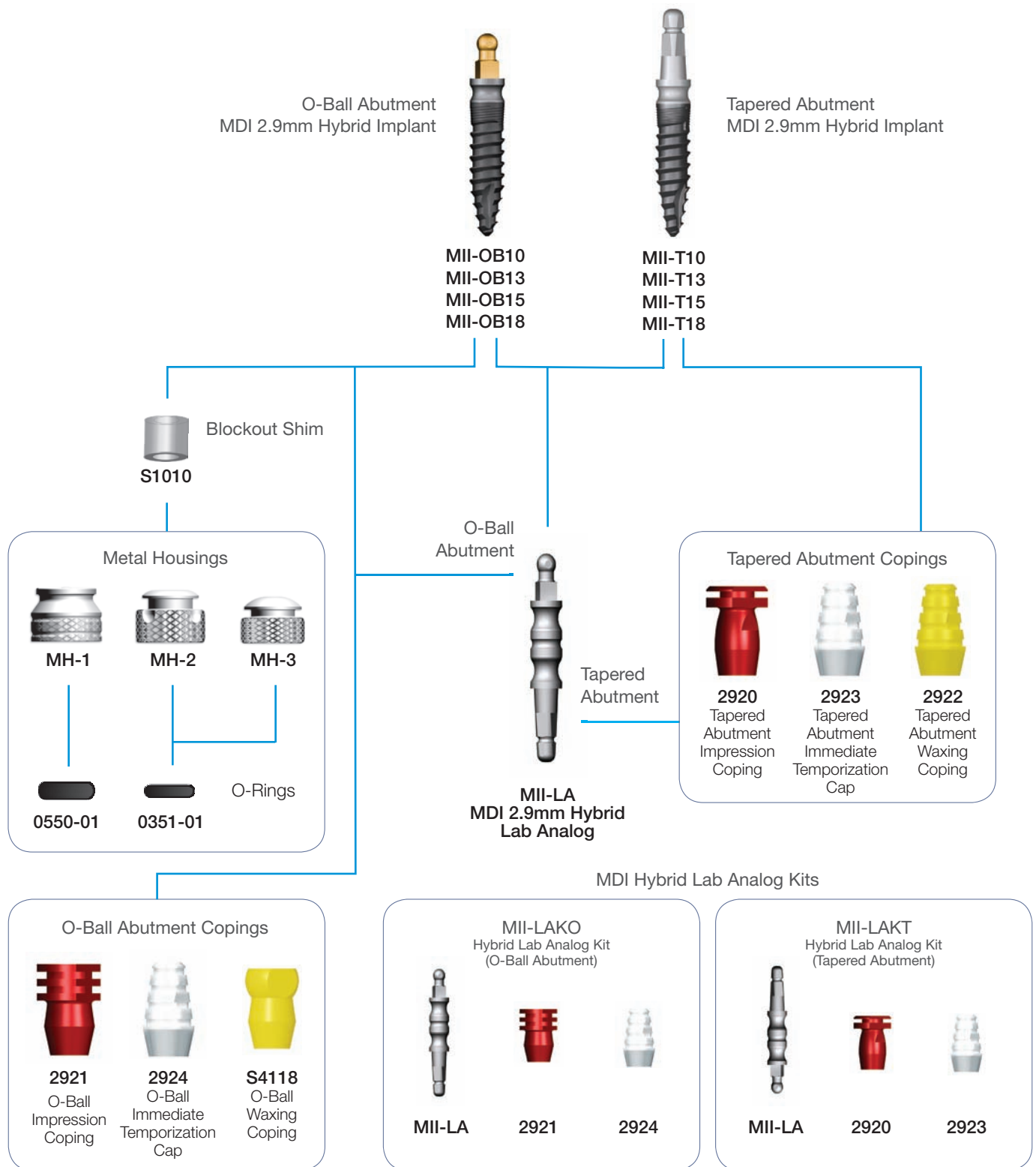


MDI Hybrid Implants

Quick Reference Guide



MDI™ Hybrid Implants & Prosthetics



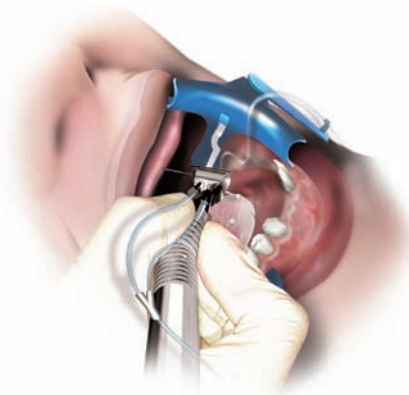
IMTEC MDI™ Hybrid Implant Surgical Protocol

Site Preparation

Pre-Surgical Steps: 1) Probe soft tissue at implant site & record tissue thickness.
2) Remove soft tissue at implant site using the 1.5mm tissue punch.

Soft Bone Drilling Protocol

Entry divots are made with the #2 Round Bur. Then the 1.7mm Pilot Drill is used to perforate the cortical plate.



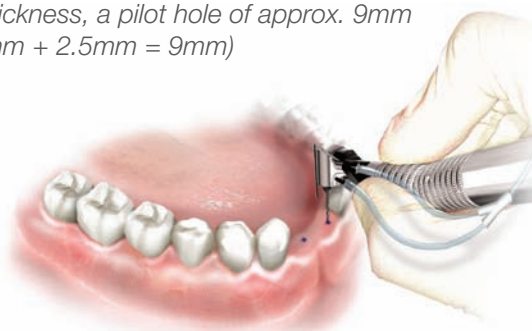
2010D

* Used for soft & dense bone

Dense Bone Drilling Protocol

Entry divots are made with the #2 Round Bur. Pilot holes then made with the 1.7mm Pilot Drill should have a depth equal to approximately 1/2 the length of the planned implant plus the measurement of soft tissue thickness. An endodontic stopper is helpful in marking appropriate depth.

Example: for a 13mm implant in a site with 2.5mm soft tissue thickness, a pilot hole of approx. 9mm is ideal ($6.5\text{mm} + 2.5\text{mm} = 9\text{mm}$)



Implant Placement & Immediate Temporization

- 1 The Finger Driver begins insertion of the MDI 2.9mm Hybrid implant.



S9030



- 2 The Winged Thumb Wrench continues advancement of the implant.



S9032



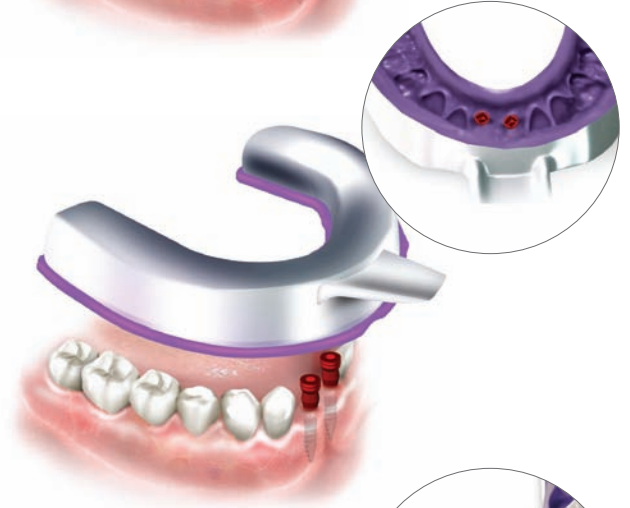
- 3 The Ratchet Wrench or Adjustable Torque Wrench and Ratchet Adapter will then finalize the insertion process.



- 4 Final placement is achieved once all blasted surfaces are engaged in bone, and the crown margin is positioned at the appropriate level subgingivally.



- 5 A Pick-Up impression is made using the retentive Impression coping.



- 6 Once adjacent teeth are lubricated with petroleum jelly, Tapered Abutment (2923) or O-Ball (2924) Immediate Temporization Caps are seated on the implants. LEXATITE™ Temporary Crown & Bridge Material is then extruded in the temporary crown impression or stint and placed in the patient's mouth for 4–4.5 minutes.



- 7 Remove the temporary restoration & cap (now bonded together) from the patient's mouth. Clean & trim excess flash, then press temporary restoration in place directly on implant abutments. Cement is optional due to the retentive nature of the Immediate Temporization caps.



IMPORTANT: IMTEC limited warranty and MDI limited warranty are applicable to all MDI Hybrid Implants.

IMTEC MDI™ Instruments & Accessories

A Site Preparation

1003 S0150

S1011 2010D 2000

B Titanium Locking Pliers

1303

C Drivers & Wrenches

S9030

S9032 8010 8040

D MDI Ratchet Extension & Adapters

8016 S7015 S7011 S7007



A Site Preparation

Surgical Intra-Oral Skin Marker* **1003**
 1.5mm Tissue Punch* **S0150**
 MDI 1.1mm Surgical Drill* **S1011**
 MDI Drill Duo Kit* **2010D**
Includes #2 Round Bur & 1.7mm Pilot Drill
 Irrigated Drill Extender **2000**

B Titanium Locking Pliers **1030**

C Drivers & Wrenches

MDI Finger Driver **S9030**
 MDI Winged Thumb Wrench **S9032**
 Ratchet Wrench **8010**
 Extended Range Adjustable Torque Wrench (20-70 Ncm) **8040**

D MDI Ratchet Extension & Adapters

Ratchet Extension - 16mm **8016**
 MDI Ratchet Adapter - 13mm **S7015**
 MDI Ratchet Adapter - 9mm **S7011**
 MDI Ratchet Adapter - 5mm **S7007**

E SECURE Kits & Accessories

SECURE (Hard Pick-Up Kit) **8720**
 SECURE Soft (Soft Reline Kit) **8120**
 SECURE Dispensing Gun **8028**
Type II Extruder Gun
 Insertion Tips **8366-10**
Type 1-10 Pack (not shown)
 Mixing Tips **8448-10**
10 Pack (not shown)
 Adhesive Brush **8449-12**
12 Pack (not shown)

**Provided sterile for single patient use*

E MDI SECURE Kits & Accessories

8720 8120 8028

IMTEC MDI Surgical Package & Hybrid Implant Add-ons:

MDI Surgical Package

- S1011, MDI 1.1mm Surgical Drills
- 8010, Ratchet Wrench
- S9032, MDI Winged Thumb Wrench
- S9030, MDI Finger Driver
- S7007, Ratchet Adapter-5mm
- 8016, Ratchet Extension-16mm
- S1010, Block Out Shims (25 pack)
- 1030, Titanium Locking Pliers
- 1303, MDI Surgical Box
- 8720, SECURE Hard Pick-Up Kit
- 8028, SECURE Dispensing Gun
- 1003, Surgical Intra-Oral Skin Markers, qty. 5
- 6008, ACCESS Toothbrush, bristle density #1 (Hard), qty. 3
- 6009, ACCESS Toothbrush, bristle density #2 (Medium), qty. 3
- 300-701, IMTEC Dry Field System-Large, qty. 3
- 300-700, IMTEC Dry Field System-Small

Suggested add-ons for placement of MDI Hybrid Implant

- 2010D, MDI Drill Duo Kit
- S0150, 1.5mm Tissue Punch



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