3i System  Implant Innovations, Inc.

3i was founded in 1987 by Dr. Lazarra in West Palm Beach, Florida as an aftermarket supplier of implant components. The company now located in Palm Beach Gardens, has evolved into a major manufacturer of implants as well as restorative components and surgical instrumentation and is now a subsidiary of Biomet of Germany.

3i offers the Osseotite Implant, an externally hexed implant with five different diameters (four different platforms).

3i also offers the Osseotite TG, a one-stage internal mortice tapered implant which is equivalent to the Renew RE-Fit and the Straumann ITI implant.

3i offers a self-taping feature referred to as ICE available on many of their implants.

- **3i Osseotite MicroMiniplant 3.25/3.3 - 3.4 platform, external hex**
- **3i Osseotite Miniplant 3.25/3.3 and Standard 3.75 / 4.0 - 4.1 platform, external hex**
- **3i Osseotite Wide Diameter 5.0 & 6.0 - 5.0 or 6.0 platform, external hex**
- **3i Osseotite TG internal mortice taper**

Components for the Miniplant 3.25 and the Standard 3.75 are compatible with the Renew RE-Mark Regular Platform and can be found in the Renew RE-Mark section of the Renew Biocare main catalog. Components for the Osseotite Wide Diameter 5.0 can be found in this 3i section. Components for the MicroMiniplant 3.25, and the Osseotite Wide Diameter 6.0 TG are not currently listed Osseotite TG components are listed under RE-Fit in the Renew Biocare main catalog.

### Osseotite Implants

- **3i MicroMiniplant 3.25 external hex 3.4 platform**
- **3i Miniplant 3.25 external hex 4.1 platform**
  
  Refer to Branemark section for compatible components.
- **3i Standard 3.75 external hex 4.1 platform**
- **3i Wide Diameter 5.0 external hex 5.0 platform**
- **3i Wide Diameter 6.0 external hex 6.0 platform**
- **3i Osseotite TG internal mortice taper**

### Restoratively Compatible To

- **RE-Mark RP 4.1**
- **IMZ Hex Head 3.3 & 4.0**
- **Innova Entegra 3.25 & 4.0**
- **Restore RD & Sustain RD**
- **Taper-Lock**
- **Same as 3i Miniplant 3.25 above**
- **none**
- **none**
- **Renew RE-Fit TG**
- **ITI Standard 4.8 internal taper**

### Indications and Quantities of Implants recommended:

- **Single Tooth Replacement**
  
  1 implant is required
- **Bridge Reconstructions**
  
  Recommended for 1 implant attached to an abutment, or for 2 or more free standing implants.
- **Fixed / Detachable Reconstructions**
  
  Recommended for 5 or more implants on a fully edentulous arch.
- **Bar Type Overdentures**
  
  Recommended for 2 or more implants or for an implant attached to a natural abutment.
- **Stud Type Overdentures**
  
  Requires at least 1 implant. Whenever possible more implants should be used.

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Terminology of Components

**Restorative Components:**
The restorative components are the elements used to fabricate a restoration that will be connected to the implant(s). The restoration may also be attached to an intermediate component called a tissue extension or abutment which in turn is connected to the implant(s).

**Implant Body:**
The implant body is placed into the bone for approximately 4-6 months to allow for osseointegration. The implants should not be loaded prior to osseointegration.

**Tissue Extension:**
The TE (Tissue Extension), also referred to as the Conical abutment, is the intermediate connector between the implant and the restoration, it may extend above the tissue. In some instances, a TE extension is subgingival, to provide a more esthetic restoration.

**Compatibility:**

**Osseotite Implants**

- **3i MicroMiniplant** 3.25 external hex 3.4 platform
- **3i Miniplant** 3.25 external hex 4.1 platform
  - Refer to Branemark section for compatible components.
- **3i Standard** 3.75 external hex 4.1 platform
- **3i Wide Diameter** 5.0 external hex 5.0 platform
- **3i Wide Diameter** 6.0 external hex 6.0 platform
- **3i Osseotite TG** internal mortice taper Renew RE-Fit TG

**Restoratively Compatible To**

- none
- Renew RE-Mark Reg Platform 4.1
- Branemark, Reg Platform 4.1
- IMZ Hex Head 3.3 & 4.0
- Innova Entegra 3.25 & 4.0
- Steri-Oss Hex-Loc 3.8 & 4.5
- Taper-Lock
- Same as 3i Miniplant 3.25
- none
- none
- Renew RE-Fit TG
- ITI Standard 4.8 internal taper
3i, UCLA CYLINDER, SCREW & PLUG (CSP)

The UCLA abutment system is the most widely used restorative concept for 3i type restorations. The restorative possibilities include single tooth, bridge, telescopic, and bar type overdenture restorations. Each UCLA abutment includes the castable plastic cylinder, the hex titanium .050” screw, and the patented occlusal plug (CSP-cylinder, screw & plug). The .048” titanium screw or the .050” gold square screw may be purchased separately as well as the hex or non-hex cylinders.

Description | Order # | Order # | Order #
--- | --- | --- | ---
3i, CSP—Hex Cylinder & Hex Screw .050” & Plug (A) | For 3i Mini 3.25/3.3mm & 3i Standard 3.75/4.0mm restorative components, refer to the RE-Mark RP, Branemark RP section of the Renew Biocare main catalog | 51-500202 | 51-500200 | 44-000052 | 44-000054 | 44-000053 | 44-000056
3i, CSP—Non-Hex Cylinder & Hex Screw .050” & Plug (B) | | | | |
PARTS
3i, Hex Cylinder only | | | 51-500015 | 51-5000252 | 44-000052 |
3i, Non-Hex Cylinder only | | | |
3i, Hex .050” Ti Screw only | | | |
3i, Hex .048” Ti Screw only | | | |
3i, Square .05” Ti Screw only | | | |
3i, Square .05” Gold Screw only | | | |
TOOLS
Hex .050” Lab Driver | 11-000006 | |
Hex DDS Driver12mm, long | 11-000007 | |
UCLA Reamer, red handle | 44-000150 | |
UCLA, Lapping Tool & Guide Pin | 44-000155 | |

ANALOGS—for Osseotite 5.0

The stainless steel analogs replicate the Osseotite 5.0 external hex implant and are used to fabricate a master model. The copper analog is used primarily for EDM (Electro Discharge Machine) aka Spark Erosion.

Description | Order #
--- | ---
Analog for 3i 5.0, Stainless (A) | 51-500015
Analog for 3i 5.0, Copper for EDM (Spark Erosion) (B) | 71-500015

Note: The Copper Analog is actually 5.5mm diameter to facilitate EDM process.

For 3i Mini 3.25/3.3 & 3i Standard 3.75/4.0mm restorative components, refer to the Renew RE-Mark Regular Platform sections of the Renew Biocare main catalogue. Components for Micro Mini and Wide Platform 6.0 are not available at this time.
OVERDENTURE STUD TYPE ATTACHMENTS

Two overdenture attachments are commonly used to directly screw into the implant – the Dalla Bona and the ORS, O-Ring system. Both connectors are made of titanium and are attached directly to the implant body. The Dalla Bona includes 1 male, 1 adjustable female, 1 spacer and 1 brass analog. The ORS includes 1 male, 1 retainer ring, 3 white and 3 red O-rings and 1 brass analog. The retention of the Dalla Bona female is adjustable with the activating/deactivating tool.

<table>
<thead>
<tr>
<th>Description</th>
<th>Dimensions*</th>
<th>Order #</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Dalla Bona System (A)</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dalla Bona, complete</td>
<td>H=1mm</td>
<td>51-543010</td>
</tr>
<tr>
<td>Dalla Bona, complete</td>
<td>H=2mm</td>
<td>51-543020</td>
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<tr>
<td>Dalla Bona, complete</td>
<td>H=3mm</td>
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<td>Dalla Bona, complete</td>
<td>H=4mm</td>
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<td>Dalla Bona, complete</td>
<td>H=5mm</td>
<td>51-543050</td>
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<tr>
<td>Dalla Bona, complete</td>
<td>H=6mm</td>
<td>51-543060</td>
</tr>
<tr>
<td>Dalla Bona, complete</td>
<td>H=7mm</td>
<td>51-543070</td>
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<tr>
<td><strong>ORS, O-Ring System (B)</strong></td>
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</tr>
<tr>
<td>ORS, complete</td>
<td>H=1mm</td>
<td>51-544010</td>
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<td>ORS, complete</td>
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<td>H=7mm</td>
<td>51-544070</td>
</tr>
<tr>
<td><strong>PARTS</strong></td>
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<tr>
<td>Dalla Bona, Implant Ti Female, Spacer &amp; Analog</td>
<td>Fø=3.4mm</td>
<td>40-430002</td>
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<tr>
<td>Dalla Bona, Ti Female &amp; Spacer only</td>
<td>Fø=3.4mm</td>
<td>99-451012</td>
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<tr>
<td>ORS, Retainer Rings (6)</td>
<td>H=2.0mm ø=5.1mm</td>
<td>99-440044</td>
</tr>
<tr>
<td>ORS, Combo O-Rings 10 red, 10 wt., 10 blk</td>
<td>Mø=4.5mm</td>
<td>99-443037</td>
</tr>
<tr>
<td>ORS, Implant Retainer Ring, Analog &amp; O-Rings</td>
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<td>40-440002</td>
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<tr>
<td><strong>TOOLS</strong></td>
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<tr>
<td>Bio-Torq Socket</td>
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<tr>
<td>Bio-Torq ORS / Dalla Bona Tip</td>
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<td>59-100140</td>
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<tr>
<td>LT/RA Handle</td>
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<td>58-100190</td>
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<td>LT/RA ORS / Dalla Bona Tip</td>
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<tr>
<td>Dalla Bona Activating Tool, Blue</td>
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<tr>
<td>Dalla Bona Deactivating Tool, Yellow</td>
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<td>99-451018</td>
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</tbody>
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**Note:** *The Dalla Bona male ball diameter for all sizes is 4.5mm

**Note:** Recommended torque is 30 N/cm.

For 3i Mini 3.25/3.3 & 3i Standard 3.75/4.0mm restorative components, refer to the Renew RE-Mark Regular Platform sections of the Renew Biocare main catalogue. Components for Micro Mini and Wide Platform 6.0 are not available at this time.