New 7.0mmD Legacy2™

Ideal for rescuing sites where smaller-diameter implants have failed or immediate placement in posterior extraction sites

Range of options
- two surface options (SBM or HA)
- four lengths (8, 10, 11.5 or 13mm)

All-in-One Packaging
- implant
- fixture-mount/transfer/temporary abutment
- cover screw
- extender

Wide diameter
- reduces or eliminates the need for bone grafting in posterior extraction sites
- enables proper emergence profile of posterior final restoration
- reduces stress delivered to the implant-bone interface as well as throughout the rest of the implant
- increases surface area for 15% greater surface area over 5.7mmD Legacy2

Internal-hex connection
- the widest implant with an industry-standard, internal-hex connection
- compatible with all Legacy 5.7mmD platform prosthetic components
- compatible with other leading internal-hex connection systems

Tapered implant body design
- ideally suited to the morphology of the posterior mandible
- allows you to increase the length of implant placed

<table>
<thead>
<tr>
<th>Length</th>
<th>Surface Area (mm²)</th>
<th>Surface Area Increase</th>
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<tbody>
<tr>
<td>8mmL</td>
<td>234.7</td>
<td>-</td>
</tr>
<tr>
<td>10mmL</td>
<td>282.69</td>
<td>20.4%</td>
</tr>
<tr>
<td>11.5mmL</td>
<td>323.79</td>
<td>14.5%</td>
</tr>
<tr>
<td>13mmL</td>
<td>365.19</td>
<td>12.8%</td>
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</table>
Surgical Protocol

Atraumatic Extraction

Replace the molar with an implant by drilling through the tooth and into the bone between the roots.

This is the bone sitting between the roots which is to be drilled through.

Use a high-speed burr to reduce the tooth down to near the root level.

Drilling

SD2.3
SD2.8
SD3.4
SD3.8 (Optional)
SD4.4
SD4.8 (Optional)

Soft Bone
D5.1

Dense Bone
SD5.4

Contour
(Optional)
CBD7.0

Use the remaining tooth area as a stabilizer during the drilling sequence. Start with a 2.3mm pilot drill.

The roots help stabilize the thin area of bone between the roots.

Continue the drill sequence with the 2.8mm step drill.

Continue drill sequence up to 5.4mmD.

Stop with the D5.1 in soft bone and the SD5.4 in dense bone.

The CBD7.0 is an option if the socket needs to be enlarged.

Use a hex tool and ratchet to carry the implant to site and seat it. Index the flat to the buccal or labial.

Implant Placement

Bone grafts may be required if there is space between the implant and bone.

Remove the fixture-mount with a 1.25mm hex tool.

Attach a cover screw and extender for one-stage surgery. Suture the tissue.
The wide-diameter 7.0mm implant body steps down to a 5.7mm prosthetic platform. This means the 7.0mmD Legacy2 is compatible with the all 5.7mmD platform prosthetics we offer. In addition, the industry-standard internal hex connection gives you the flexibility to choose prosthetics from other systems as well.

### Healing Phase

- **7.0mmD Legacy2 with 5mm Healing Collar**
  - Good initial stability achieved by engaging buccal and lingual cortical bone as well as apical septal bone with secondary stability with mesial and distal bone graft material.
  - [8057-13]

- **5mm Healing Collar**
  - Sold separately

- **3mm Healing Collar**
  - Sold separately

- **Cover Screw + 2mm Extender**
  - Included with implant

### Temporary/Final Restoration

- **Legacy 5.7mmD Prosthetics**
  - Take your pick!

- **Fixture-mount/transfer can be shortened into a titanium temporary abutment**
  - Included with implant
Advantages of immediate placement in posterior extraction sites vs. delayed placement

- Less invasive
- Shorter rehabilitation treatment time
- Prevents alveolar bone resorption
  - Following an extraction, alveolar bone width decreases 25% in the first year\(^1,2\)

Considerations

- Size of tooth being replaced
  - The average measurements of several posterior teeth indicate applicable use of a 7.0mm implant. Tooth size varies by type of tooth as well as patient gender\(^3\)

Surgical Benefits

- Increased initial stability
  - When the diameter of the root is less than that of the implant, the resulting primary stability is greater
  - Legacy2 tapered implant body design is suited to the mandible’s morphology and allows placement of a longer implant for greater surface area
- Reduction (or elimination) of the need for bone grafting
  - Insufficient available bone is considered one of main difficulties of these procedures\(^4\)
- Same surgical sequence as 5.7mmD Legacy2 but with 15% greater surface area

Prosthetic Benefits

- Increased surface area
  - Reduces the occlusal force applied to the implant-bone interface\(^5\)
  - This in turn, reduces the risk of crestal bone loss and subsequent implant failure\(^6\)
- Reduces the stress delivered to the rest of the implant
  - Increases the strength of the implant body and reduces risk of fracture\(^7\)
  - A 7.0mmD implant is approximately 16 times stronger than a 3.5mmD implant\(^8\)
- Improved emergence profile for the crown\(^5\)

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\(^2\) Misch CE. What you don't know can hurt you (and your patients). Dent Today. 2000;19:70-73.