



Bigger & Bolder

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

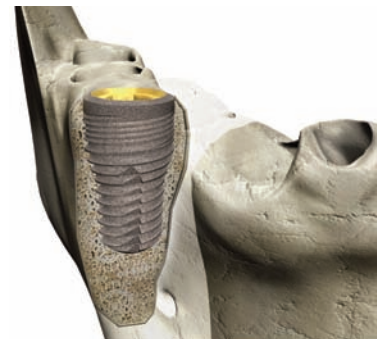
Internal-hex connection

- 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

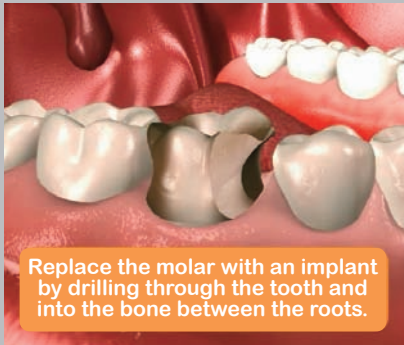
- ideally suited to the morphology of the posterior mandible
- allows you to increase the length of implant placed

| 7.0mmD Legacy2 Implants | | |
|-------------------------|---------------------------------|-----------------------|
| Length | Surface Area (mm ²) | Surface Area Increase |
| 8mmL | 234.7 | - |
| 10mmL | 282.69 | 20.4% |
| 11.5mmL | 323.79 | 14.5% |
| 13mmL | 365.19 | 12.8% |



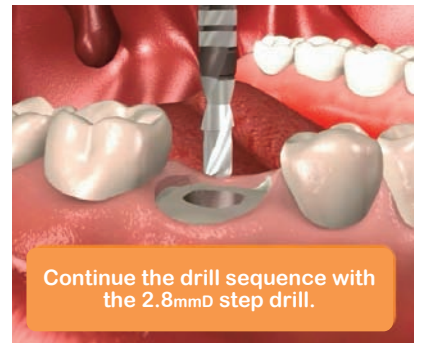
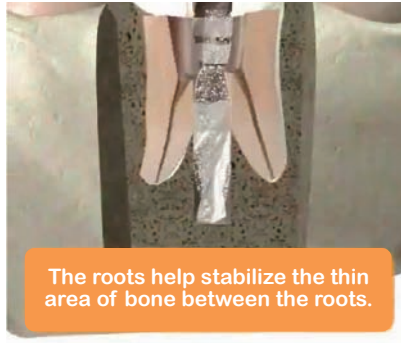
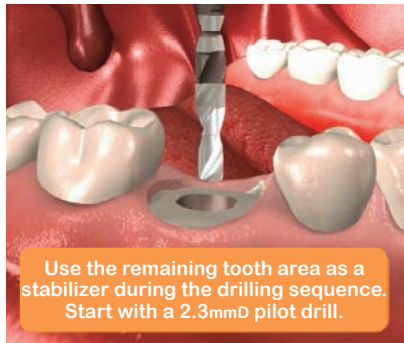
Surgical Protocol

Atraumatic Extraction



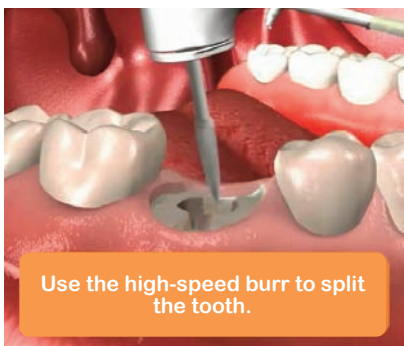
Drilling

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



Soft Bone

D5.1

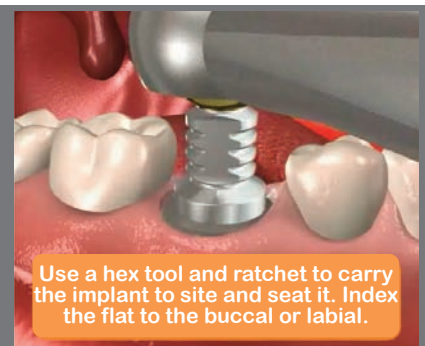
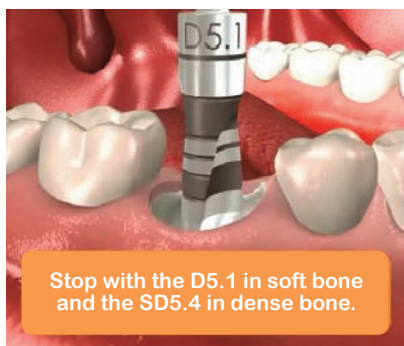


Dense Bone

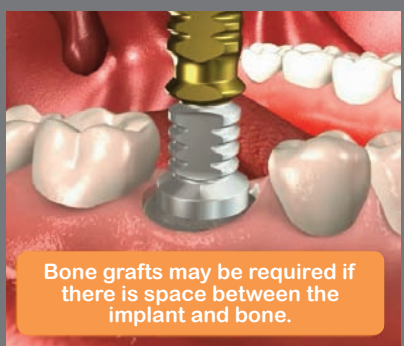
SD5.4

Contour (Optional)

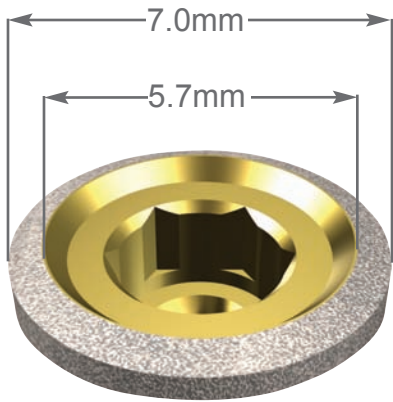
CBD7.0



Implant Placement



Restorative Options



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.



Courtesy of Dr. Todd Bloom

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.

Healing Phase



5mm Healing Collar

Sold separately [8057-15]



3mm Healing Collar

Sold separately [8057-13]



Cover Screw + 2mm Extender

Included with implant



Legacy 5.7mmD Prosthetics

Take your pick!



Temporary/Final Restoration



Fixture-mount/transfer can be shortened into a titanium temporary abutment

Included with implant



Rationale

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 gender³

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 procedures⁴
- 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 interface⁵
 - This in turn, reduces the risk of crestal bone loss and subsequent implant failure⁶
- Reduces the stress delivered to the rest of the implant
 - Increases the strength of the implant body and reduces risk of fracture⁷
 - A 7.0mmD implant is approximately 16 times stronger than a 3.5mmD implant⁸
- Improved emergence profile for the crown⁵

¹Carlsson GE, Persson G. Morphologic changes of the mandible after extraction and wearing of dentures: a longitudinal, clinical, and x-ray cephalometric study covering 5 years. *Odontol Revy.* 1967;18:27-54.

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

³Shah AA, Elcock C, Brook AH. Posterior tooth morphology and lower incisor crowding. *Dental Anthropology.* 18(2): 37-42.

⁴Maksound MA. Immediate implants in fresh posterior extraction sockets: Report on two cases. *J Oral Implantol.* 2001; 25: 123-126.

⁵Misch CE. Wide-diameter implants: Surgical, loading, and prosthetic considerations. *J Periodontol.* 2006 Aug; 77(8): 1340-7.

⁶Misch CE, Suzuki JB, Misch-Dietsh FM, et al. A positive correlation between occlusal trauma and peri-implant bone loss: literature support. *Implant Dent.* 2005; 14:108-116.

⁷Jarvis WC. Biomechanical advantages of wide-diameter implants. *Compend Contin Educ Dent.* 1997; 18:687-694.

⁸Misch CE, Bidez MW. A scientific rationale for dental implant design. In: Misch CE, ed. *Contemporary Implant Dentistry.* 2nd ed. St. Louis, Mo; Mosby; 1999;329-343.