

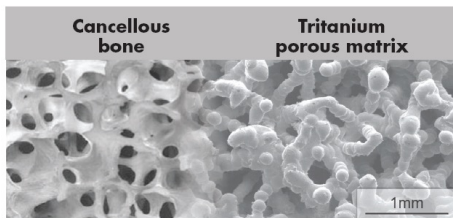
Triathlon® Tritanium® Cone Augments



The Triathlon Revision System features precision reamed tibial and femoral Triathlon Tritanium Cone Augments. These 3D-printed cone augments are designed to provide a platform for metaphyseal fixation while maintaining desired alignment of the revision components.¹

Simplicity

- Cone augment reamer-based instruments allow for simple and accurate preparation for metaphyseal fixation.²⁻⁴
- Conical bone preparation provides an intimate, line-to-line fit, which allows for accurate cone positioning and initial fixation.^{4,5}

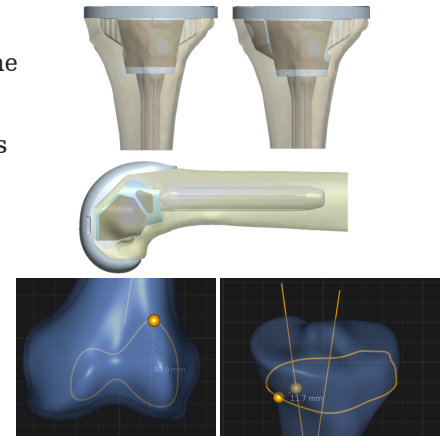


Fixation

- Tritanium is a highly porous biologic fixation surface, which closely resembles the structure of cancellous bone.
- 3D printing allows for the creation of unique cone augment designs that feature reduced cross sections⁶, enabling large diameter stem use and rotational freedom.¹

Alignment + fit

- Cone augments allow for preservation of the desired alignment between the cone and Triathlon TS implant.¹
- SOMA-designed Cone shapes and sizes help to address reconstruction challenges and fit a broad range of patients.⁷
- The anatomic sizing of metaphyseal augments is designed to minimize unnecessary bone removal and reduce intraoperative bone preparation.⁷



References:

1. Triathlon Revision Surgical Protocol. TRITS-SP-2_Rev-2_10451
2. Reaming Time Study for Triathlon Tritanium Cone Augment instruments based on Surgeon Observation in Cadaveric Specimens. Memo. DHF #195725
3. Triathlon Tritanium Cone Augments Validation Report. Doc #A0004381. Project #195725
4. Tibial Bone Prep Tolerance Analysis. Doc # A0004385. Project # 195725
5. Stryker Technical Report R&D. Micromotion of Triathlon Tibial Cone Augment Constructs. RD-14-050
6. Stryker Technical Report R&D. F1800 - Cantilever Fatigue Test - Triathlon Tritanium Cone Augments. RD-14-048
7. Leibowitz E, Lipschutz D, Soliman M, Meneghini M. Virtual Bone Analysis Determines Metaphyseal Augment Fit. ORS 2015 Meeting Poster.

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