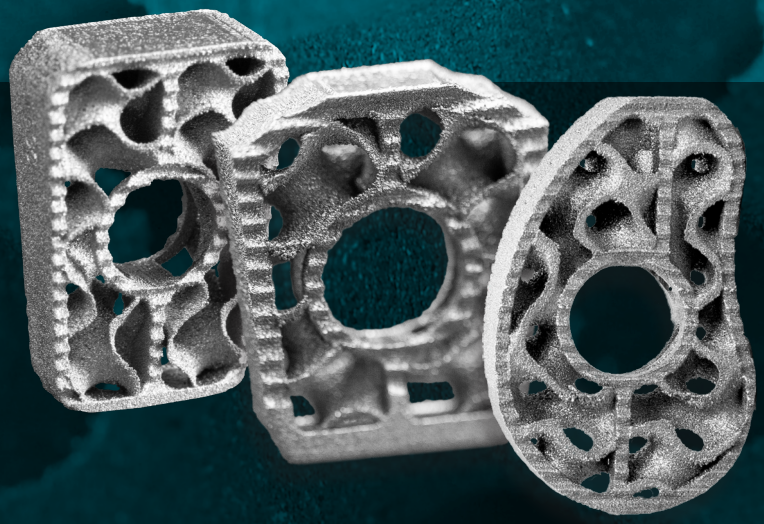
Cotton Wedge Portfolio

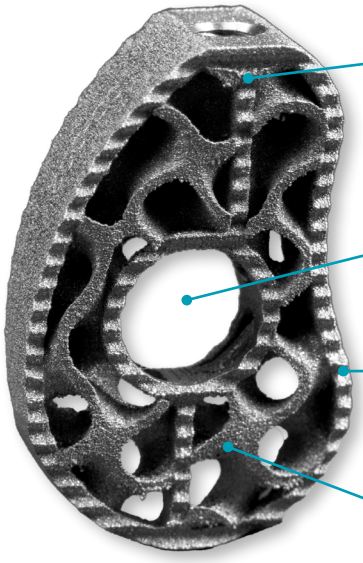
with TIDAL Technology™



restor3d

Product Overview

restor3d's TIDAL™ Cotton Wedges are sterile packed, 3D printed, Titanium Alloy implants designed with an interconnected porous architecture to encourage bony ingrowth.[2] Available in a variety of footprints and provided with single-use instrumentation, they ensure a streamlined solution for the full range of patient anatomy.



Available in various footprints and thicknesses

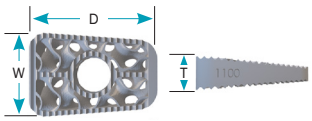
Central aperture for packing graft material

Optimized surface topography increases expulsion resistance

Designed with proprietary TIDAL Technology™ that encourages bony ingrowth[2]

Sizing Options

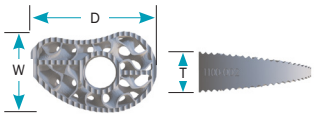
Standard Cotton Wedge



WIDTH (MM)	DEPTH (MM)	THICKNESS* (MM)
14mm	16mm	4mm-6mm
14mm	20mm	4mm-6mm

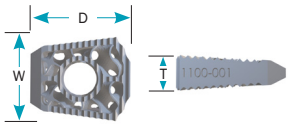
**Thickness of Standard Cotton Wedges are in 1mm increments.*

Anatomic Cotton Wedge



WIDTH (MM)	DEPTH (MM)	THICKNESS (MM)
12mm	18mm	5mm, 6mm, 7mm, 8mm, 10mm, 12mm
14mm	22mm	5mm, 6mm, 7mm, 8mm, 10mm, 12mm

Standard Cotton with Bevel



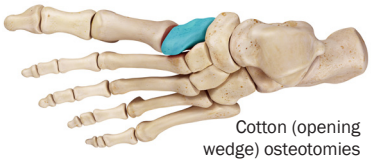
WIDTH (MM)	DEPTH (MM)	THICKNESS* (MM)
14mm	16mm	4mm-6mm
14mm	20mm	4mm-6mm

**Thickness of Standard Cotton Wedges are in 1mm increments.*

TIDAL Technology™

Optimized porous architecture designed for osseointegration

- 100% Inter-connectivity and up to 80% porosity[1]
- Mesoscale pores support graft retention and bony ingrowth[2]
- Direct bony apposition to implant surface guided by surface topography and curvature demonstrated in preclinical model[2,3]



Cotton (opening wedge) osteotomies of the medial cuneiform

Single-Use Instrumentation

Accompanying instrumentation is single-use and provided in a sterile packed kit.

restor3d

Durham, NC
Phone: (984) 888-0593
Email: customerservice@restor3d.com
www.restor3d.com

1. Kelly, et al. Acta Biomaterialia (2019) 94, 601-626.
2. Kelly, et al. Journal of the Mechanical Behavior of Biomedical Materials (2021) 116, 104380.
3. Kelly, et al. Biomaterials (2021) 279, 121206.