

TIDAL™ Subtalar Wedge System

Addresses Subtalar Arthrosis, Calcaneal
Fracture Neglect, and Malunion



restor3d

TIDAL™ Subtalar Wedge System

restor3D's TIDAL™ Subtalar Wedge System features TIDAL Technology and is manufactured from medical grade titanium alloy (Ti-6Al-4V). The wedge system is available in varied footprints and heights and is designed for internal bone fixation in the ankle, such as ankle fusion and subtalar fusion.

Central aperture for the packing of graft material or the placement of a fixation device

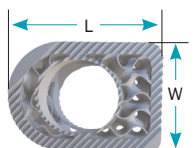
Hierarchical surface topography provides expulsion resistance

Featuring proprietary porous TIDAL technology that encourages better fusion

Threaded hole for use with restor3d single-use inserter

Available in multiple footprints and heights to accommodate various patient anatomies

Sizing Options



AP LENGTH (MM)	ML WIDTH (MM)	HEIGHT (MM)	VARUS/VALGUS CORRECTION	CENTRAL HOLE DIAMETER
27mm	19mm	10mm, 14mm	0°, 10°	13mm
27mm	23mm	10mm, 14mm	0°, 10°	13mm

AP = Anterior-Posterior | ML = Medial-Lateral.

Subtalar arthrosis



Calcaneal fracture neglect, and malunion



Disposable Instrumentation

Instrumented with single-use, sterile-packed trials and inserters that ensure appropriate size selection and implant placement.



TIDAL Technology

Optimized porous architecture designed for osseointegration.

- 100% Interconnectivity and up to 80% porosity¹
- Mesoscale pores support graft retention and bony ingrowth²
- Direct bony apposition to implant surface guided by surface topography and curvature demonstrated in preclinical model^{2,3}

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.

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