

Patented Procedure Specific Shapes

- Designed to minimize soft tissue disruption
- Graft shaping not normally required
- Trial sizers assist surgeon in selecting graft size

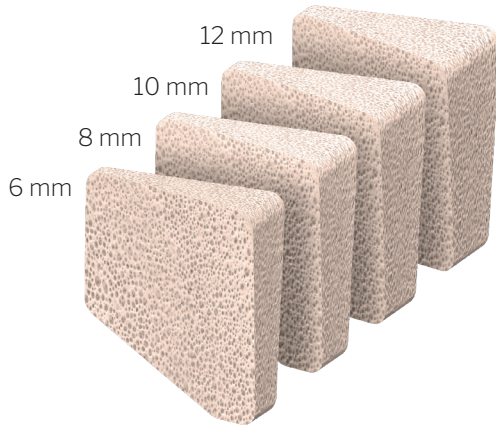
Minimally Manipulated

- Processed without gamma irradiation in order to help avoid structural fatigue and crumbling of the graft¹
- Hydrogen peroxide avoided during processing with the intent to help preserve osteoinductivity of the graft^{2,3}

Density Matched

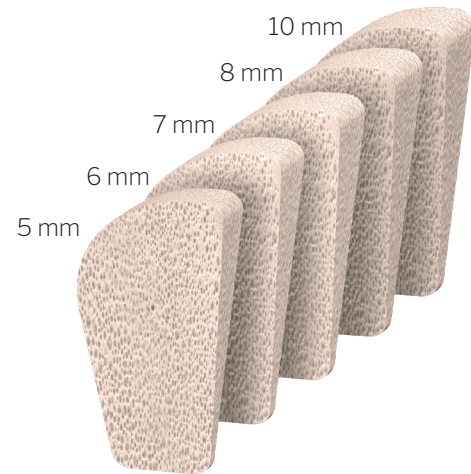
- Donor site density matched to indication for strength demands and blood flow requirements
- Balances bone incorporation and structural support

Evans Lateral Column Lengthening Graft



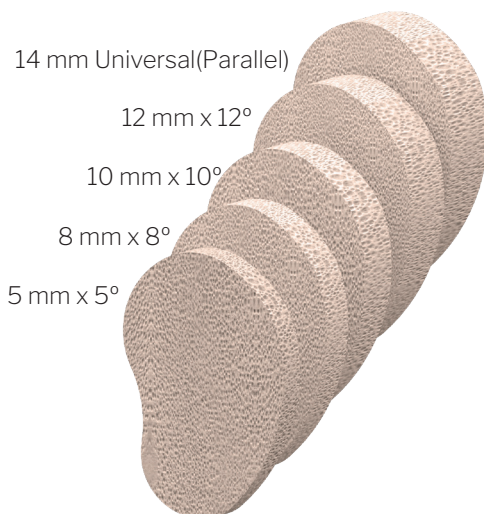
- Features dorsal to plantar taper to relieve strain on long plantar ligament
- Features lateral to medial taper to relieve strain on spring ligament and periosteum
- Designed to ease insertion and offload surrounding soft tissue structures
- Primary donor sites: patella, talus & femoral calcar

Cotton Osteotomy Graft



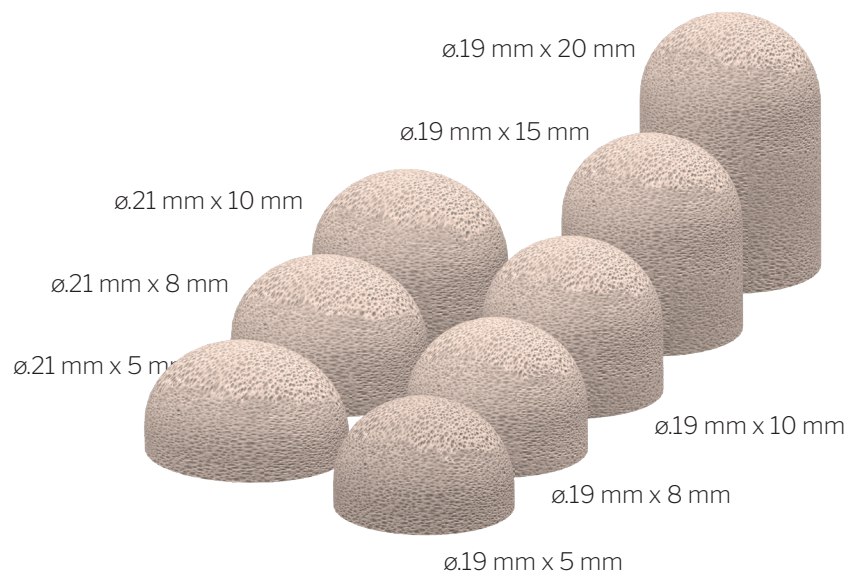
- Anatomic shape and length matched to the cuneiform
- Primary donor sites: patella, talus & femoral calcar

Lapidus Angular Length Restoring Graft



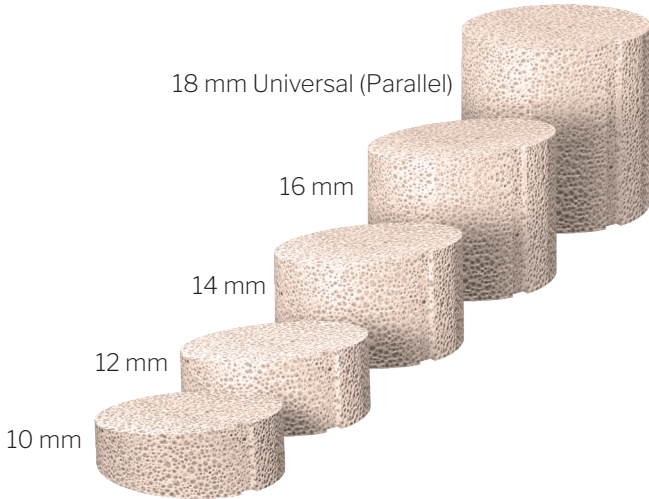
- Biplanar correction
- Plantarflexes and abducts the 1st metatarsal
- Anatomically shaped to the 1st TMTJ
- Primary donor site: distal femur

MTP Length Restoring Graft



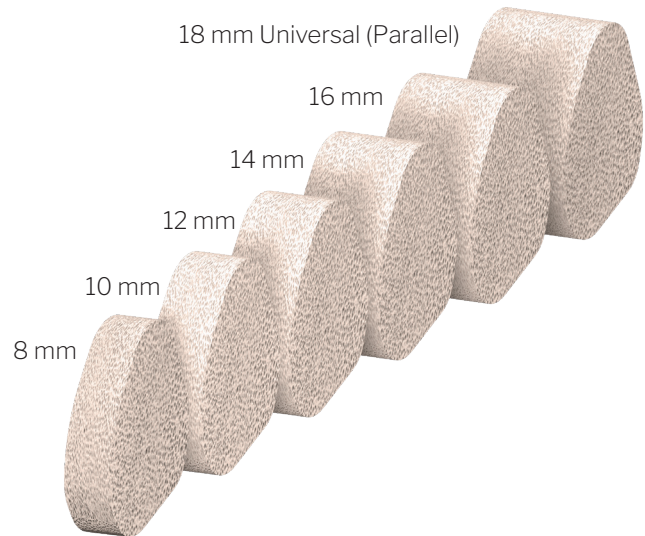
- Cup and cone design matches P28 reamers
- Available in 2 diameters with several length options
- Primary donor site: distal femur

Subtalar Joint Distraction Arthrodesis Graft



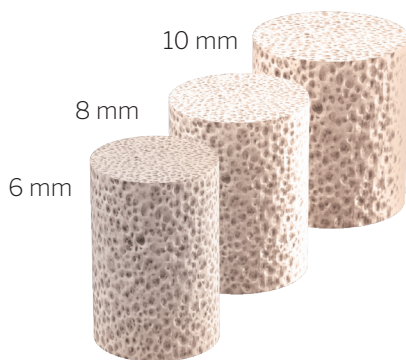
- Restores height to the subtalar joint
- Designed to allow for correction of calcaneal varus or valgus
- Trial sizer allows ability to “dial-in” correction
- Primary donor sites: distal femur, talus, patella & femoral calcar

Calc-Cuboid Arthrodesis Lengthening Graft



- Anatomically shaped to the calcaneocuboid joint
- Primary donor sites: distal femur, talus, calcaneus & femoral calcar

AVITRAC™ MTP Revision Graft



- Designed to provide structural rigidity to the 1st metatarsal head following removal of a failed synthetic cartilage implant (SCI)
- Shape and size of the graft were optimized to fill the bony void
- Reamers included to provide reproducible preparation allowing for press fit of the graft

HammerGraft™ Cancellous Spacer

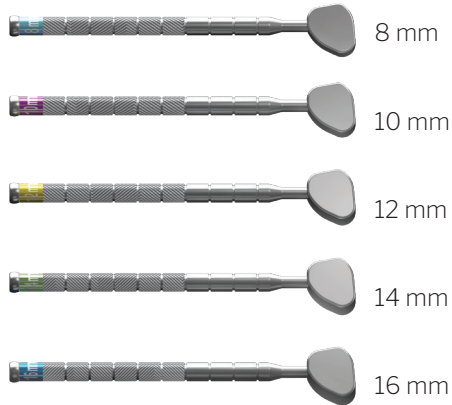


- Cancellous spacers intended to be used in cases where lengthening at the PIPJ is necessary
- Available in 6, 8, and 10 mm lengths, with a ø2.3 mm or ø2.8 mm hollow center
- Cannulated to accommodate a K-wire or implant fixation through the spacer

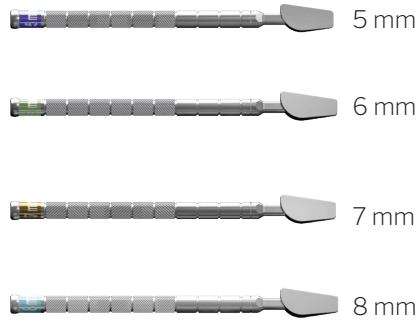
Trial Sizers

- Trial sizers available with all grafts but AVITRAC
- Allows surgeon to determine ideal graft size by demonstrating correction

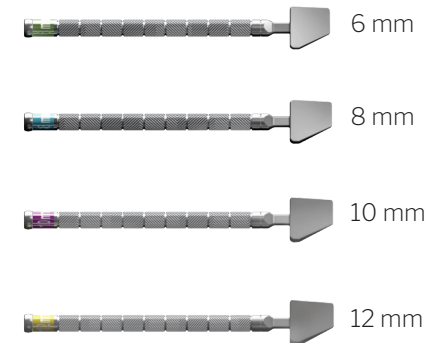
Calc-Cuboid Trials



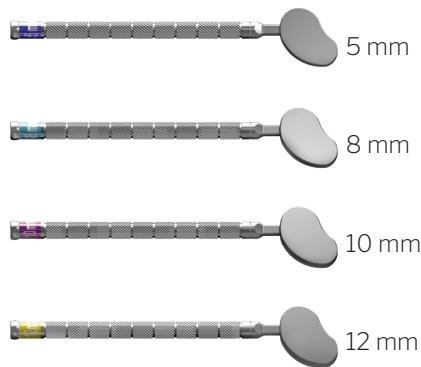
Cotton Trials



Evans Trials



Lapidus Trials



MTP Trials



STJDA Trials




REFERENCES:

1. Mitchell EJ, Stawarz AM, Kayacan R, Rimnac CM. The effect of gamma radiation sterilization on the fatigue crack propagation resistance of human cortical bone. *J Bone Joint Surg Am* (2004 Dec); 86-A(12): 2648-57.
2. Carpenter EM, Gendler E, Malinin TI, Temple HT. Effect of hydrogen peroxide on osteoinduction by demineralized bone. *Am J Orthop* (2006 Dec); 35(12): 562-7.
3. DePaula CA, Truncala KG, Gertzman AA, Sunwoo MH, Dunn MG. Effects of hydrogen peroxide cleaning procedures on bone graft osteoinductivity and mechanical properties. *Cell Tissue Bank* (2005); 6(4): 287-98* www.paragon28.com/index.php/patents

Paragon 28 utilizes Community Tissue Services, University of Miami Tissue Bank & DCI Donor Services Tissue Bank for tissue procurement & processing. Caution: U.S. federal law restricts this device to sale by or on the order of a physician.



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