



Supramalleolar Osteotomy System



PLATE OFFERING

6 Plates

ANTERIOR TIBIA PLATES

- ▶ Universal for right and left
- ▶ Offered in standard and long
 - Standard span length: 13 mm
 - Long span length: 18 mm
- ▶ Anatomically contoured to the distal anterior tibia



DISTAL MEDIAL TIBIA PLATES

- ▶ Universal for right and left
- ▶ Offered in standard and long
 - Standard span length: 15 mm
 - Long span length: 25 mm
- ▶ Anatomically contoured for the medial malleolus



PROXIMAL MEDIAL TIBIA PLATES

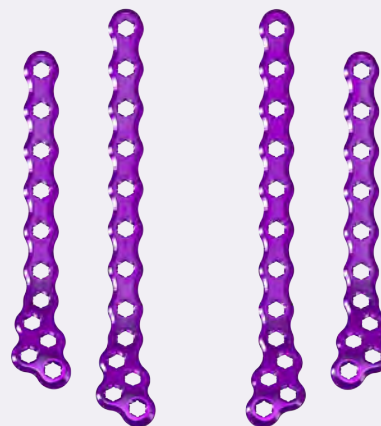
- ▶ Universal for right and left
- ▶ Offered in standard and long
 - Standard span length: 15 mm
 - Long span length: 25 mm
- ▶ Anatomically contoured for the medial malleolus



- ▶ All circular plate holes allow for off-axis screw insertion up to 15°
- ▶ All circular plate holes accept Ø2.7 mm, Ø3.5 mm, or Ø4.2 mm locking or non-locking screws or Ø3.5 mm locking or non-locking compact thread screws
- ▶ All plates feature a compression slot in the most proximal screw hole, which accepts Ø2.7 mm, Ø3.5 mm, and Ø4.2 mm non-locking screws, and Ø3.5 mm non-locking compact thread screws
- ▶ All plates are low profile
 - 1.5 mm thickness throughout all plates
- ▶ All plates have chamfered edges to minimize soft tissue irritation
- ▶ Distal screw clusters allow for crossing screw placement per surgeon preference
- ▶ The span region on all plates accounts for smaller and larger angular adjustments

ANATOMICAL FIBULAR PLATE: 7- AND 9-HOLE

- ▶ Right and left specific
- ▶ 54 mm and 78 mm
- ▶ Ti 6Al-4V ELI Titanium
 - Tightened distal cluster of plate holes to allow for capture in a tight space
 - Built in distal curvature to avoid attachment of AITFL



STRAIGHT FIBULAR PLATE: 3-, 4-, AND 5-HOLE

- ▶ Universal for right and left
- ▶ 36 mm, 48 mm, and 60 mm lengths
- ▶ CP Grade 4 Titanium Very malleable — allows for contouring to match fibula



DESIGN RATIONALE

Precise Correction

- ▶ An Anterior Dome Cut Guide offers a radii of 25–50 mm in increments of 5 mm to achieve a predictable and reproducible correction. A Medial Sextant Jig is provided as well, offering controlled multiplanar correction of 6–25 degrees. Cut guides are provided to ensure accuracy of alignment and cuts and aid with biplanar or multiplanar correction.

Integrity and Fit of Allograft

- ▶ Patented processing and harvesting techniques are utilized to provide a dedicated SMO allograft, eliminating the need for harvesting from the pelvis or alternative sites. The outer perimeter of the wedge is designed to match the metaphyseal region of the distal tibia and is optimized for the strength and vascularity requirements of the region. A patent-pending Allograft Cutting Jig is provided to facilitate repeatable and controlled single-planar intraoperative shaping of the SMO allograft wedge from 4 to 15.5 mm.

Anatomic Low Profile Hardware

- ▶ All plates include chamfered edges and are low profile with a 1.5 mm thickness and are anatomically contoured to the distal tibia to limit irritation to soft tissue structures which may lead to subsequent removal.

Hardware Lengths to Span Osteotomy

- ▶ Anterior and Medial plates are offered in both standard and long lengths to span the length of any osteotomy.

Reinforcement of the Lateral Cortex and Fibula

- ▶ Lateral fibular plates are provided in cases where a fibular osteotomy is necessary and reinforcement of the osteotomy on the lateral side is preferred.

PRESERVE SUPRAMALLEOLAR OSTEOTOMY WEDGE

Wedge Design

- ▶ One concentric wedge size of 25° or 15.5 mm tall
- ▶ May be cut to size using a patent-pending Allograft Cutting Jig

Density Matching

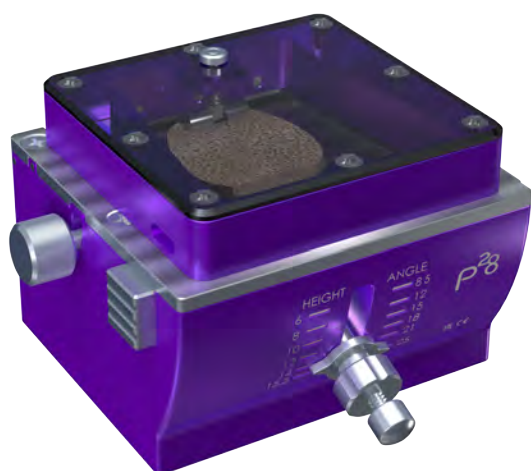
- ▶ The primary donor sites of the PRESERVE Supramalleolar Osteotomy graft is the talus, proximal femur, distal femur, calcaneus, distal tibia, proximal tibia and femoral calcar of dense bone to allow the wedge to maintain its structure once inserted
- ▶ The outer perimeter of the wedge was designed for the metaphyseal region of the distal tibia

Novel Processing

- ▶ Hydrogen peroxide bleaching is avoided during processing, with the intent to help preserve the osteoinductivity of the environment in which the graft is being implanted
- ▶ Gamma irradiation is not used during graft preparation in order to help prevent destruction of the native mechanical advantages of human bone

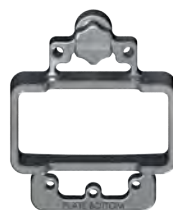
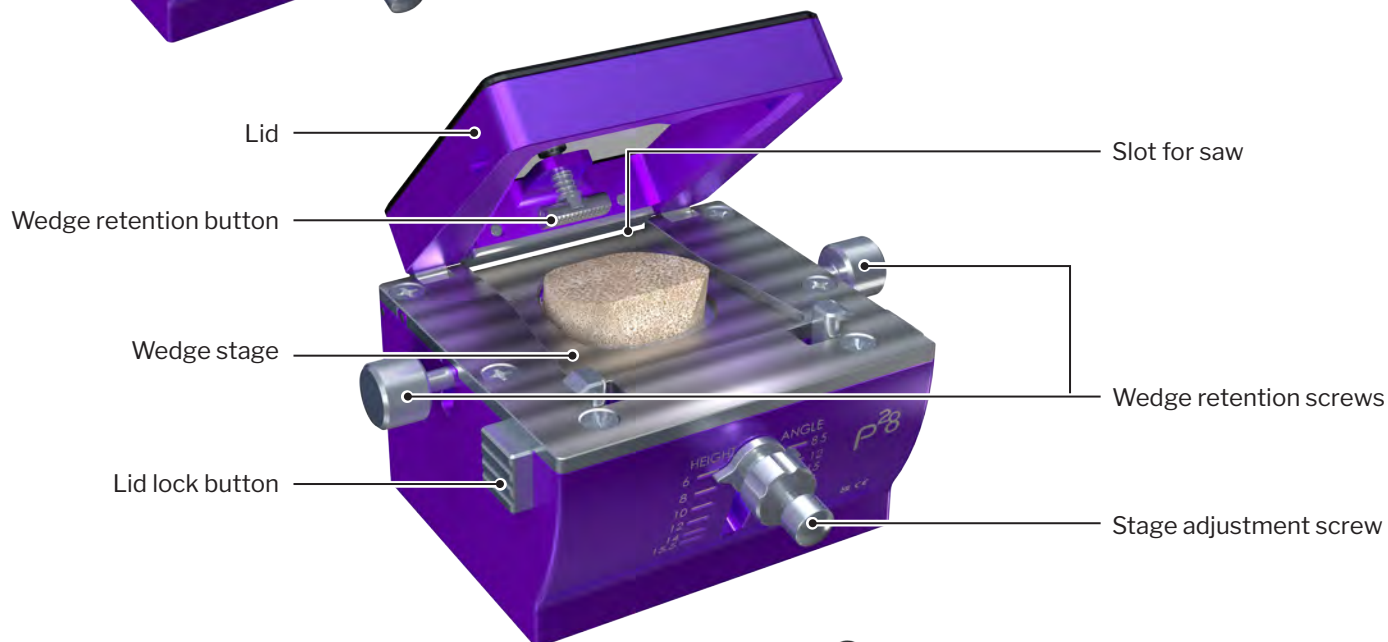


FEATURED INSTRUMENTATION



Allograft Cutting Jig

- Designed to aid in shaping the SMO Allograft Wedge to provide intended correction



Anterior Drill Guide Template

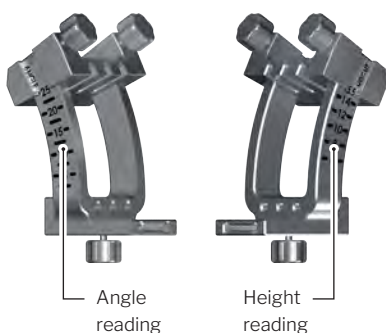
- Designed to aid planning and alignment of anterior dome osteotomy

Anterior Drill Guide Inserts

- Offered in several different radii to provide optionality in guiding anterior dome osteotomy
- Each Insert has a Side A and a side B with offset holes, allowing for offset drilling

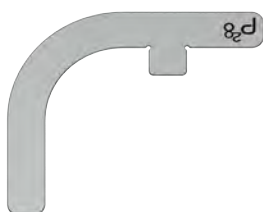


FEATURED INSTRUMENTATION



Medial Sextant Jig

- ▶ Designed to aid alignment and provide sizing information for medial closing wedge osteotomy
- ▶ One side provides measurements for the angle of wedge to be resected and the other side provides height measurements of the wedge to be resected



Angelwing

- ▶ Designed to aid sagittal alignment for anterior and medial approaches



Medial Cut Guide

- ▶ Designed to aid cut alignment for medial opening and closing wedge osteotomies



PREPARATION INSTRUMENTATION



8 mm Hohmann Retractors

2 of each included



16 mm Hohmann Retractors

2 of each included



Periosteal Elevator



6 mm Straight Osteotome

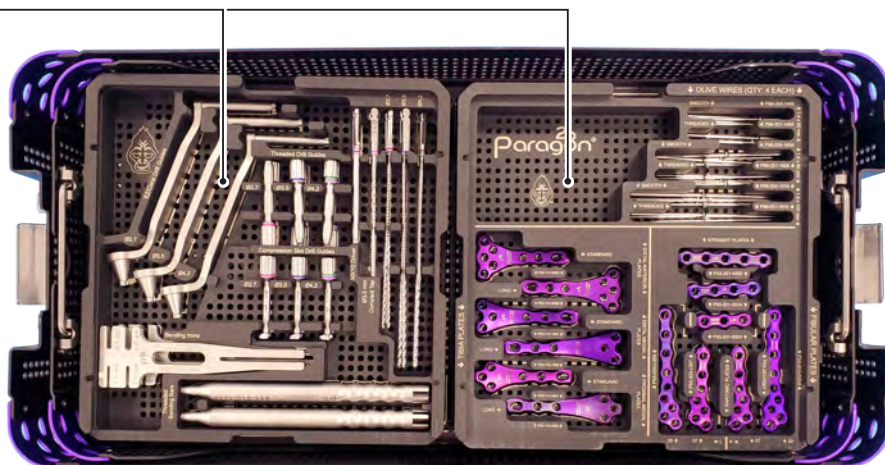


19 mm Straight Osteotome

GORILLA® CADDY AND CASE SYSTEM

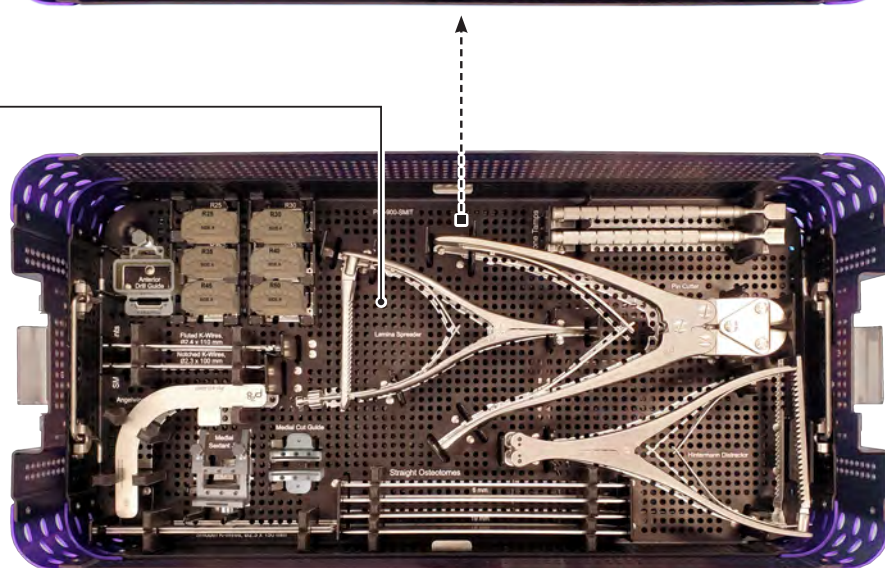
Gorilla® Supramalleolar Osteotomy Caddies

Drill guides, Drills, Bending Irons, Threaded Bending Bars, the standard and long Anterior Tibia, Distal Medial Tibia, and Proximal Medial Tibia Plate, Gorilla® Ankle Fracture 3, 4, or 5-hole Straight Fibular Plates, Ankle Fracture 7 or 9-hole left and right Anatomic Fibular Plates, and Smooth and Threaded Olive Wires are located in The Gorilla® Supramalleolar Osteotomy Caddies..



Gorilla® Supramalleolar Osteotomy Instrument Case

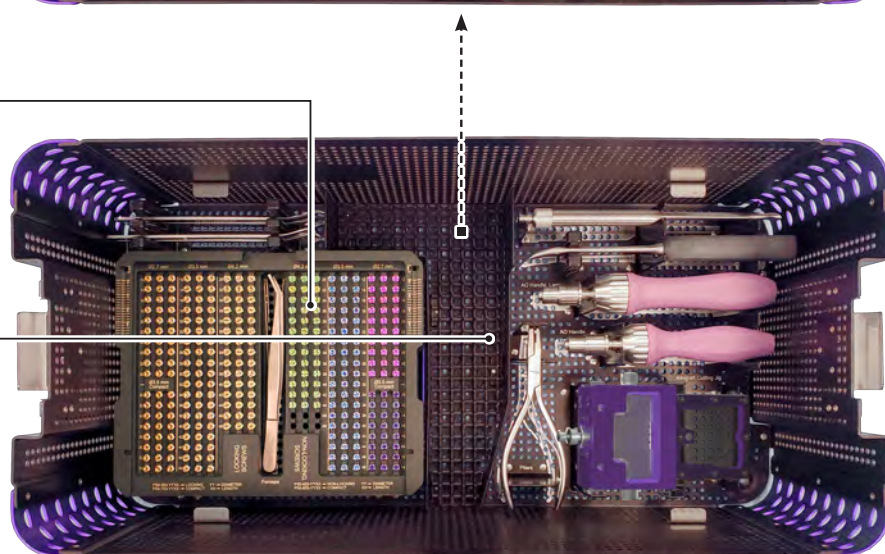
Anterior Drill Guide Template, Anterior Drill Guide Inserts, 2.4 mm Fluted K-wires, Notched 2.3 mm K-wires, Angelwing, Medial Sextant Jig, Medial Cut Guides, Smooth 2.3 mm K-wires, Lamina spreader, 6 & 19 mm Straight Osteotomes, Tamps, Pin cutters, and a Hinterman Distractor are located in the Gorilla® Supramalleolar Osteotomy Instrument Tray.



Gorilla® Supramalleolar Osteotomy Screw Caddy

Gorilla® Supramalleolar Osteotomy Case


The Hohmann retractors, Plate bending pliers, Periosteal elevator, Standard & Large AO handle and SMO Allograft Cutting Jig are located at the bottom of the Gorilla® Supramalleolar Osteotomy Case.





Supramalleolar Osteotomy System

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Paragon 28, Inc. 
14445 Grasslands Dr.
Englewood, CO 80112 USA
(855) 786-2828

Paragon 28 Medical Devices Trading Limited
First Floor Block 7 Beckett Way
Park West Business Park
Dublin 12
D12 X884
Ireland
+353 (0) 1588 0350

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