Paragon 28® — Flatfoot Solved
Comprehensive and Innovative Portfolio of Solutions to Address Flatfoot
Gorilla® Calc Slide Plate

Medial Displacement Calcaneal Osteotomy

- Plate size and shape optimized to prevent additional dissection and soft tissue disruption during plate insertion
  - Plate is inserted through same incision as osteotomy
    - No violation of posterior heel pad with an incision or screw
      - May result in fewer hardware removal cases than screw fixation1,2
- Interosseous plating provides a firm buttress to prevent displacement of the osteotomy and avoids the peroneal tendons
- Interosseous plates allow the surgeon to achieve patient specific correction — as opposed to traditional calc slide plates which are limited to the step off built within
- Five points of fixation (three screws and two fins) assist in stabilizing the construct
- Plate hood allows for compression of the posterior fragment with either a locking or non-locking screw and includes angulation allowing the surgeon to capture the sustentaculum tali
  - Hood height was minimized to 5 mm and is designed to limit soft tissue irritation in cases requiring minimal correction
  - Interosseous plating does not violate the growth plate of the calcaneus in pediatric patients
- Sharp arms ease insertion and provide rotational stability

Monster® Hindfoot Screw System

- Designed specifically to meet the needs of the foot and ankle surgeon
  - 4.5, 5.5, and 7.0 mm diameters
    - 4.5 and 5.5 screws available in Short, Long, and Fully Threaded Options
    - 7.0 screws available in Short (16 mm), Medium (20 mm), Long (32 mm), and Fully Threaded Options
  - All screw families and instrumentation available within the Monster® Hindfoot Tray
  - Headed and Headless
  - For 7.0 mm screws
    - Available in 2 mm increments (36 - 50) to allow for optimal capture of subchondral bone in a calc slide procedure
- May be placed using the FLUOROBAND™ Guidewires
  - Patented technology helps select thread length based on location of FLUOROBAND™ with respect to the joint
    - First Groove: at 20 mm, directs medium thread length
    - Second Groove: at 32 mm, directs long thread length
- Four different washer types including patented Slotted Bowl Washer
  - Patented Slotted Bowl Washer designed specifically to allow surgeon to place washer around screw without having to fully remove screw, preventing loss of purchase and saving intraoperative time
Flexible Flatfoot Solutions — Evans and Cotton Osteotomies

PRESERVE™ Wedges

- Aseptically processed allograft harvested from the patella, talus, or femoral calcar
  - No gamma irradiation — preserves graft strength
  - No bleach — preserves graft osteoinductivity

PRESERVE™ Evans Wedge

- Patented procedure specific shape
  - Dorsal to plantar taper — designed to relieve strain on the lateral band of the long plantar ligament
  - Lateral to medial taper — designed to relieve strain on the periosteum and the spring ligament

PRESERVE™ Cotton Wedge

- Patented procedure specific shapes
  - Dorsal to plantar taper with a rounded medial edge to match the contour of the medial cuneiform

Titan 3-D™ Wedge

- Anatomically shaped medical grade titanium alloy (Ti-6Al-4V)
- Open geometry with three-dimensional scaffold allows for blood entry, bone through growth and the incorporation of biologic products, if used
- PRECISION™ Guided screw across the osteotomy increases the stability of the construct
  - 3.5 or 4.0 mm Mini-Monster® Screws are used in conjunction with either implant
- Tapered nose helps to aid in implant insertion
- Smooth back surface and corners designed to minimize soft tissue irritation
- Spikes on both sides of implant designed to help prevent expulsion from osteotomy site and provide a bridge for biologic through growth
- Product specific inserters attach to the back of the implant and are designed to facilitate accurate implant insertion and placement
- Resection Guides are available to aid in implant removal and minimize over-resection

Titan 3-D™ Evans Wedge

- Small and Large Sizes available to accommodate differences in height
- 6, 8, 10, or 12 mm of built-in correction
- Patented procedure specific shape

Titan 3-D™ Cotton Wedge

- 5, 6, 7, 8 mm of built-in correction
- Patented procedure specific shape
Gorilla® HEvans® Plate

- Designed specifically to be used in conjunction with patented shaped PRESERVE™ Evans Graft
- Low profile plate (1.1 mm) intended to minimize soft tissue irritation
  - Posterior ramp (0.5 mm) intended to minimize irritation to the peroneals
- Two points of fixation anteriorly designed to prevent subluxation of the graft
  - Intended to stabilize anterior calcaneal fragment and maintain correction during graft incorporation

Gorilla® BOW & ARROW® Plates

- Low profile plate (1.1 mm) with ramps intended to minimize soft tissue irritation
- Patented “ARROW” spacer hooks around proximal cortex designed to prevent expulsion of plate
  - “ARROW” spacer matches the patented geometry of the PRESERVE™ Evans Grafts
  - “ARROW” spacer is short, allowing the plates to be used in combination with the PRESERVE™ Evans grafts

BOW & ARROW® Evans

- Tapered dorsal to plantar and lateral to medial bow designed to ease insertion and offload medial and plantar soft tissue structures
  - 6, 8, 10, or 12 mm of built in correction

BOW & ARROW® Cotton

- Tapered plate back matches each available size of the patented PRESERVE™ Cotton wedge
  - 5, 6, 7, or 8 mm of built-in correction
Tendon Transfers

Grappler™ Interference Screw System

- Novel Trilobe Driver Engagement
  - Extension through the cannulation of the implant designed to facilitate accurate implant insertion
  - Maximizes torque transfer between driver and implant reducing the likelihood of strippage
  - Driver is electropolished and designed to minimize stick following implant insertion
- One to one sizing
  - The tendon size, drill and implant diameters are one to one — no necessary calculations to be completed
- Instrumentation is offered to facilitate “Through and Through” as well as “Blind Tunnel” techniques
- Implant specific cannulated drills and tissue protectors
  - Designed for optimal fit and positioning of implant and tendon
- Drills offered in Ø0.5 mm increments to accommodate varying bone density and allow for a snug fit of implant and tendon

Hypermobile Flexible Flatfoot Solutions

Gorilla® NC Fusion — NC Fusion Plate

- Dedicated PRECISION™ Guided System designed to allow for reproducible fixation across the entire NC joint complex
  - Allows for a crossing screw that passes from the medial cuneiform to the lateral aspect of the navicular
    - Accommodates a 3.5 mm, 4.0 mm, 4.5 mm or 5.5 mm Mini-Monster® or Monster® crossing screw
    - Plantar positioning of this screw in the medial cuneiform is designed to minimize plantar gapping ensuring balance in the construct
- The proximal dorsal locking pocket hole allows for fixation of the navicular to the intermediate cuneiform
- The plantar locking screw in the navicular aids in minimizing plantar gapping
- The distal screws in the medial cuneiform have the ability to be placed across the entire cuneiform construct
- Anatomically Contoured Plate
  - Dorsal to plantar curvature to match medial column
  - Anterior to posterior curvature to mitigate adductory forces distally
- Low profile 1.5 mm plate designed to avoid soft tissue irritation
- Built in alignment templating designed to ensure best fit of plate to the anatomy
**Hypermobile Flexible Flatfoot Solutions**

**Gorilla® Medial Column Plates**

- Comprehensive offering of plates to span select portions of or the entire medial column
  - 36 total plates in five different families
- Two thicknesses (1.5 and 2.0 mm thick)
- Most plates contoured to match standard anatomy of the midfoot
  - Rescue plates available to address malformed anatomy or revision procedures

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**Rigid Flatfoot Solutions**

**Subtalar Joint Fusion**

**Monster® 7.0 Screws**

- Short thread (16 mm), Medium thread (20 mm), Long thread (32 mm), and fully threaded lengths
- Available in 2 mm increments (70 mm-90 mm) to allow for optimal capture of bone across entire length of the talus

**PRESERVE™ STJDA Wedge**

- Patented round graft restores height and allows for a varus or valgus correction
- Trialing system allows for interoperative assessment of correction of height as well as the position of the graft

**Talonavicular (TN) and Calcaneocuboid (CC) Fusion**

**Gorilla® Universal Plating System**

- Teddy Bear Plate
  - Stable arrow shape designed specifically to address TN fusion
  - Small, Medium, and Large
- Trapezoid Plate
  - Leverages strength of the trapezoid shape and is curved to match the contouring of the lateral wall
  - May be used to address CC or TN fusions
  - Four size options
Rigid Flatfoot Solutions

Talar Navicular (TN) and Calcaneal Cuboid (CC) Fusion

**Gorilla® Universal Plating System**
- Dogbone Plate
  - Compression and locking options
  - Versatile applications throughout the midfoot and hindfoot
  - Eight size options

**JAWS™ Midfoot and Hindfoot Staple System**
- Available in 15, 18, 20, and 25 mm offerings to address indications of the midfoot and hindfoot
- All instrumentation for the JAWS™ Nitinol Staple System comes in a simple disposable, sterile kit
- The staple comes pre-loaded on the inserter to help facilitate a quick and simple surgery
  - Staple sits flush upon deployment from inserter minimizing the need to tamp following insertion
- If necessary, the JAWS™ instrument kit provides surgeons a compressor/distractor to aid in preparation of the fusion site and closure prior to deployment of staple

**Monster® 4.5 and 5.5 Screw System**
- Headed and Headless
- Short, Long, and Fully Threaded Options
  - 4.5 (2 mm increments 18 - 50 mm; 5 mm increments 55 - 70 mm)
  - 5.5 (2 mm increments 26 - 60 mm; 5 mm increments 65 - 90 mm)
- Available in 15, 18, 20, and 25 mm offerings to address indications of the midfoot and hindfoot
- All instrumentation for the JAWS™ Nitinol Staple System comes in a simple disposable, sterile kit
- The staple comes pre-loaded on the inserter to help facilitate a quick and simple surgery
  - Staple sits flush upon deployment from inserter minimizing the need to tamp following insertion
- If necessary, the JAWS™ instrument kit provides surgeons a compressor/distractor to aid in preparation of the fusion site and closure prior to deployment of staple

**Instrumentation**
- The Gorilla® Plating System includes a robust offering of specialty foot & ankle instrumentation including the Cartilage Removal Tool, Subchondral Drill, Periosteal Elevator, Curved and Straight Osteotomes, and Pin Distractor

**Cartilage Removal Tool**
- Provides “Reverse Cutting” functionality

**Pin Distractor**
- Accommodates both a 1.6 mm and 2.3 mm K-Wires

**Subchondral Drill**
- Provides approximately 10 mm of controlled drilling of subchondral bone


