GORILLA®
R3CON PLATING SYSTEM

Gorilla® R3CON Plating System

Exclusively foot & ankle
Paragon 28®

GORILLA® PLATING SYSTEM FEATURES & BENEFITS

- All plates are optimized to a procedure-specific thickness
- Plates are available in 13 families to address reconstruction and trauma
  - 309 total plating options across all families
- All plates are machined from blocks of titanium (not stamped, rolled, or bent)
- Pre-contoured plates are available in areas of complex anatomy reducing time needed to bend intraoperatively
- Ramped surfaces exist on most plates to allow for gliding of tendons over the plate
- All plate holes accept Ø2.7 mm, Ø3.5 mm, and Ø4.2 mm locking or non-locking screws
  - All locking plate screws may be inserted off-axis up to 15 degrees in any direction
- Plate screws have FDA clearance to be used outside the plate
- Plates and screws are constructed from Ti 6AL-4V ELI (titanium alloy) and CP4 commercially pure titanium
- The Gorilla® Plating System includes the most robust offering of specialty foot & ankle instrumentation including the Honey Badger Cartilage Removal Tool, Periosteal Elevator, Curved and Straight Osteotomes, Bone Rasp, and Pin Distractors
- All plates, instruments, and screws are offered in one tray to limit sterilization costs and minimize confusion on the back-operating table

Lapidus Plating System

- 18 Plate Offerings
  - Primary
  - Revision
  - Medial Wall Step-Off
- Precision Guide in caddy
- 1.3–1.6 mm thick

Primary

Medial Wall Step-Off

MTP Plating System

- 32 Plate Offerings
  - Primary
  - Revision
  - Graft Spanning
- Precision Guide in caddy
- 1.3–1.6 mm thick

Primary Short

Lisfranc Plating System

- 28 plate offering
- 5 Plating Styles
- Low profile—1.4 mm thick
- Plates contoured for unique anatomy at the tarsometatarsal joint

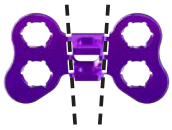
Slanted T-Plate | Slanted Straight | Clover | Dual Ray 1st and 2nd | Dual Ray 2nd and 3rd

Bow and Arrow™ Plating System

Bow and Arrow Plates

- 15 Plate Offering
- 3 Plating Styles
- Tapered plate back matches each available size of the patented PRESERVE™ bone graft wedge
- The “ARROW” latches onto the near cortex of bone

Evans



Cotton

Base Opening Wedge

ARROW

Universal Plating System

Universal Plates

- 41 Plate Offerings
- 7 Plating Styles
- Each plate offers multiple size options
- 28 Plate and T-Plate have options with additional configurations and screw holes

28™ Plate

Teddy Bear

T-Plate

HEvans®

Trapezoid

Slanted Dogbone

Dogbone

Calc Slide Plating System

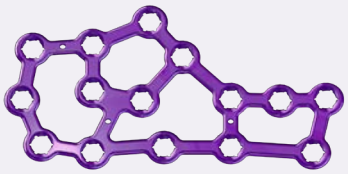
- Universal for right and left
- Plate is inserted through same incision as osteotomy
- Plate hood allows for compression of posterior fragment, and includes angulation allowing the surgeon to capture the sustentaculum tali
- Does not violate growth plate of the calcaneus in pediatric patients

Calc Slide

Calc Fracture Plating System

- 20 Plate Offerings
  - Extensile
  - Sinus Tarsi
  - Sinus Tarsi Support
- Low profile—1.1 mm thick
- Incision guide, Inserter and Dissection Instrumentation included to assist in minimizing incision and to ease insertion

Sinus Tarsi

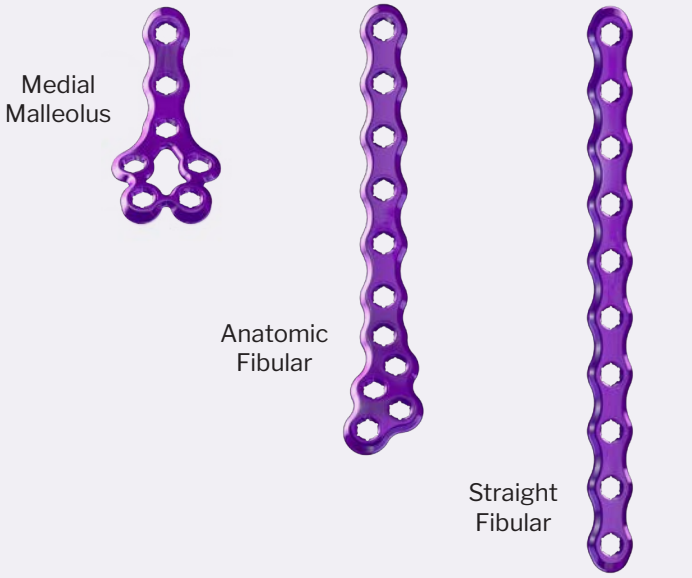


Perimeter

Sinus Tarsi Support

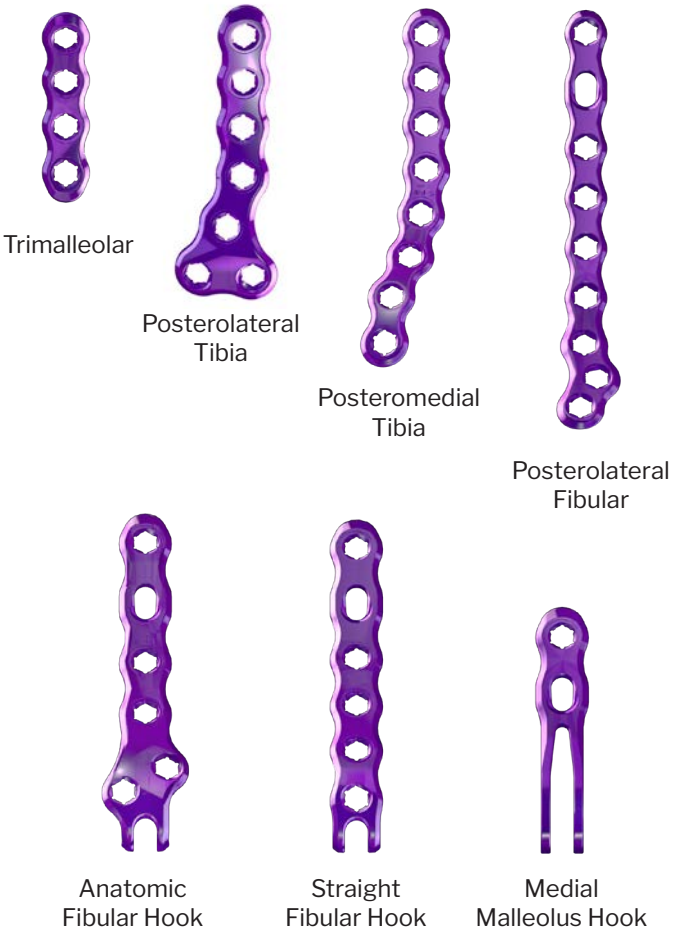
Ankle Fracture Plating System

- 24 Plate Offerings
  - Straight Fibular (3–16 hole)
  - Anatomical Fibular (7–17 hole)
  - Medial Malleolus
- Low profile—1.5 mm thick
- Tapered proximal and distal tips to assist in percutaneous insertion
- Ramped edges to minimize soft tissue irritation
- Plate holes have a built-in recess to reduce screw head prominence and which can accept a syndesmotic screw or button



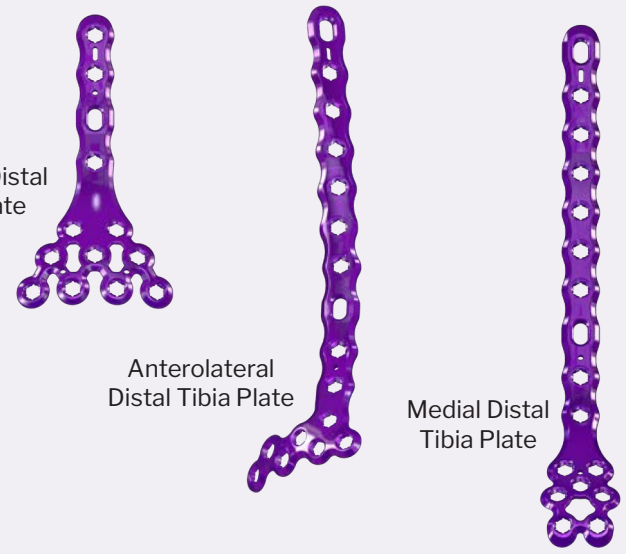
Ankle Fracture Posterior and Hook Plating System

- 28 Plate Offerings
- Posterior Lateral Fibula Plate (7–11 Hole)
- Posterolateral Tibia Plate (5–8 Hole)
- Posteromedial Tibia Plate (6 & 8 Hole)
- Trimalleolar Fracture Plate (3 & 4 Hole)
- Lateral Malleolus Hook Plate (5 & 6 Hole)
- Straight Hook Plate (5 & 6 Hole)
- Medial Hook Plate (2 & 4 Hole)
- Hook Plate Tamps and Screw Drill
- Low profile—1.5 mm thick
- Anatomic curvature to limit interoperative bending
- Guide to aid in placement of plate and allow for positioning of screw through selected plate hooks



Pilon Fracture Plating System

- 26 Plate Offerings
  - 3 Anterior Distal Fibular plates
  - 16 Anterolateral Distal Tibia Plates
  - 7 Medial Distal Tibia Plates
- All plates have a transitional thickness with increased thickness where the plate is subjected to the most stress and thinning proximally to limit soft tissue irritation



SUPERMALLEOLAR OSTEOTOMY PLATES

6 Plates

- All plates feature a compression slot in the most proximal screw hole.
- All plates are low profile—1.5 mm thickness throughout all.
- Distal screw clusters allow for crossing screw placement per surgeon preference.
- The span region on all plate's accounts for smaller and larger angular adjustments
- Universal for right and left.
- Anatomically contoured

Anterior Tibia plates

- Standard span length: 13mm
- Long span length: 18mm

Distal Medial Tibia Plates

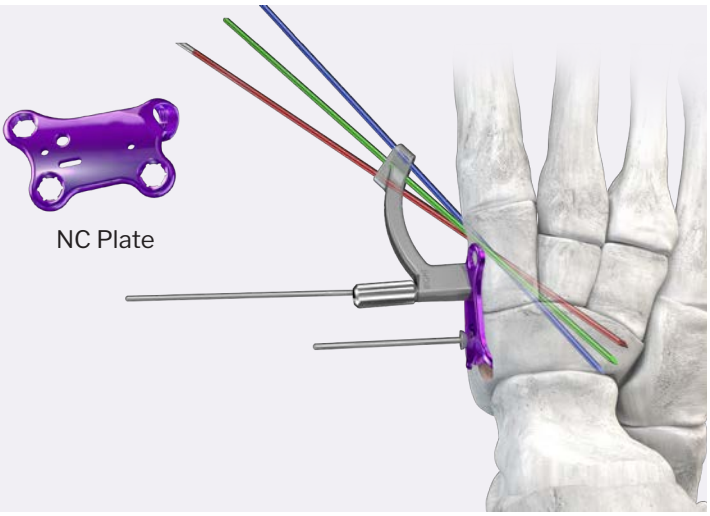
- Standard span length: 15mm
- Long span length: 25mm

Proximal Medial Tibia Plates

- Standard span length: 15mm
- Long span length: 25mm

NC Fusion Plating System

- 8 Plate Offerings (small, medium, large, and extra large)
- Precision Guide included in caddy—places screw outside plate from medial cuneiform into navicular
- Plate is anatomically contoured to conform with normal anatomy
- Templating and trialing system to ensure best fit
  - Allows for placement of five screws and plate at the NC joint while accommodating varying patient anatomies



NC Plate

Medial Column Plating System

- 46 Plate Offerings
- Available in 1.5 mm and 2.0 mm thickness
- Optimized for anatomical fit, deformity correction, durability, and strength
- Dorsal tabs in select plates can be bent and contoured to match proximal anatomy of the talus and navicular

Rescue

Arch

Proximal Arch

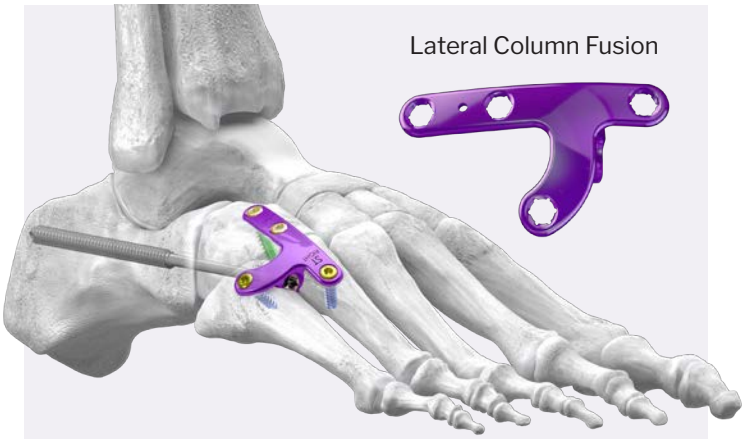
Straddle

Distal Arch

Extended Arch

Lateral Column Plating System

- 4 Plate Offerings (Standard and Large)
- Designed to maintain anatomic alignment of the lateral column and prevent plantar subluxation of the cuboid
- Accepts a Type II Annodized 5.5 mm headed Joust™ Beaming Screw to aid in stabilization and compression of the lateral column



Central Column Plating System

- 16 Plate Offerings
  - 4 Charcot—Navicular to 2nd Metatarsal (2.0 mm thickness)
  - 4 Charcot—Talus to 2nd Metatarsal (2.0 mm thickness)
  - 4 Standard Thickness—Navicular to 2nd Metatarsal (1.5 mm thickness)
  - 4 Standard Thickness—Talus to 2nd Metatarsal (1.5 mm thickness)
- Standard and long length

Talus to 2nd Metatarsal Plate

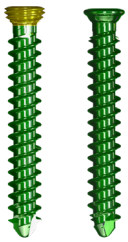
Navicular to 2nd Metatarsal Plate

	Ø2.7 mm R3CON Screws	Ø3.5 mm R3CON Screws	Ø4.2 mm R3CON Screws
Locking			
Non-locking			
Screw Lengths	8 mm–20 mm in 1 mm increments 22–40 mm in 2 mm increments	10 mm–50 mm in 2 mm increments	10 mm–50 mm in 2 mm increments 55 mm–70 mm in 5 mm increments
Drill Size	 Ø2.0 mm	 Ø2.4 mm	 Ø2.8 mm
Driver Size	 HX-10	 HX-10	 HX-10
Locking Drill Guide Size	 Ø2.7mm	 Ø3.5 mm	 Ø4.2 mm
Centering Drill Guide Size	 Ø2.7mm	 Ø3.5 mm	 Ø4.2 mm
Compression Slot Drill Guide Size	 Ø2.7mm	 Ø3.5 mm	 Ø4.2mm
Cone/Straight Easy Guide Size	 Ø2.7 mm Easy Guide  Ø2.7 mm Cone Guide	 Ø3.5 mm Easy Guide  Ø3.5 mm Cone Guide	 Ø4.2 mm Easy Guide  Ø4.2 mm Cone Guide
Tap Size	 Ø2.7 mm	 Ø3.5 mm	 Ø4.2 mm
Over Drill Size	 Ø2.7 mm	 Ø3.5 mm	 Ø4.2 mm
Double-Ended Drill/ Over Drill Guides	 Ø2.7 mm	 Ø3.5 mm	 Ø4.2 mm

GORILLA® R3CON SCREW TECHNOLOGY

Screw Head

- The screw head diameter is uniform across all size offerings
- All Screws use the same size hexalobe driver (solid HX-10 Driver)
  - The hexalobe geometry, and screw head width, maximize the surface contact and torque transmission between the driver and the screw, thus reducing screw head stripping
- Screw head is threaded for locking screws
  - Features “Cheaters Lag” This design allows a locking screw to compress the plate to bone
- Screw material is titanium (Ti 6Al-4V ELI) but head is coated in Titanium Nitride (TiN), offering superior strength
- Tip of screw is blunt to prevent soft tissue irritation when bi-cortical fixation is employed
- Double lead threads allow for twice the amount of distance traveled per turn of the screwdriver



Ø4.2 mm
R3CON Screws

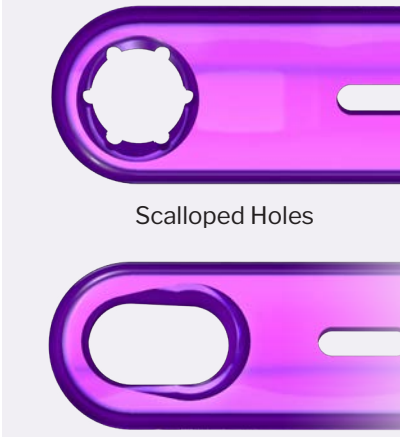
Ø3.5 mm
R3CON Screws

Ø2.7 mm
R3CON Screws

GORILLA® PLATE TECHNOLOGY

- All holes allow for locking and non-locking Ø2.7, Ø3.5, and Ø4.2 mm screws
- Holes are scalloped for easy thread start for a screw that is placed off axis
- Holes are tapered for lag effect with locking screw
- Many plates are ramped to reduce soft tissue irritation
- Many plates have ramped compression holes which will accept a Gorilla® R3CON non-locking screw
  - Optimized to reduce friction and provide maximum compression down the ramp of nearly 3 mm

Variable Angle Locking
Creates a locked screw construct up to 15° in every screw hole (with the exception of the compression slot).



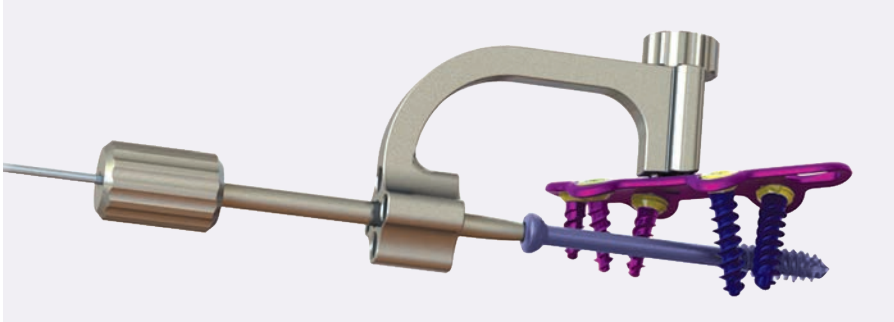
Scalloped Holes

Ramped Compression Slot

GORILLA® PLATE TECHNOLOGY (CONT.)

PRECISION™ Guides

- Patent pending guide for trajectory of cross-screw that attaches directly to plate and misses all other screws in the construct
- Allows plate screws to remain on axis and avoid cross screws minimizing prominence and soft tissue irritation
- Provides multiple trajectories of wire paths for variations among patient anatomy



The Precision™ Guide MTP

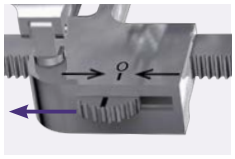
The Precision™ Lapidus Guide

FEATURED INSTRUMENTATION

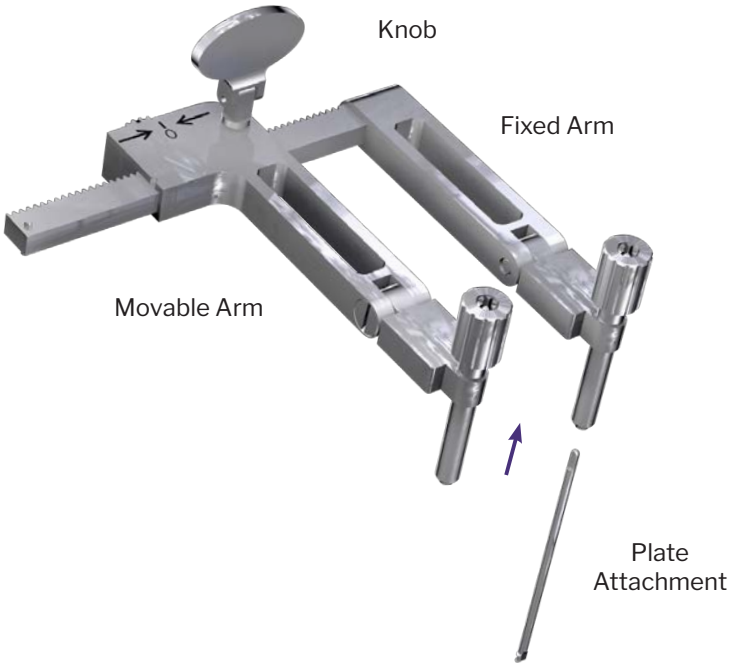
Caspar Compression/Distraction Device

- Can be secured on either side of the plate or osteotomy site using two K-wire (allows up to Ø2.3 mm K-wires)
- Provides compression or distraction based on setting switch
- Has plate attachment to create in-line compression with the plate
- The plate attachment is inserted into the fixed arm such that the insert on the hook is facing the movable arm and is just below the bottom of the arm head stripping.

Compression Setting



Distraction Setting



Correct Position of Plate Attachment

FEATURED INSTRUMENTATION (CONT.)

Pin Distractor

- *Sized for foot and ankle applications*
- *Smaller holes accept up to Ø1.6 mm K-wires*
- *Larger holes accept up to Ø2.3 mm K-wires*

Depth Gauge

- *Designed specifically to fit and accurately measure foot and ankle bones.*

Honey Badger Cartilage Removal Tool

- *Provides concave and convex cutting edges in one tool*
- *Ideal for debridement of curved, small and/or difficult to access joints*

AO Handle

San Gio Retractor

- *Sized and contoured for foot and ankle surgery*

Mini AO Handle

Drill

- *Under and Over drills provided for each screw diameter*

HX-10 Driver

Subchondral Drill

- *Useful during preparation of an arthrodesis, the subchondral drill provides approximately 10 mm of controlled drilling of subchondral bone, featuring a stop on the drill to help prevent deeper penetration*

Bone Rasp

- *Designed to aid in preparation of fusion site*

Standard Drill Guide

- **Cone Side:** *Allows for off-axis drilling of locking screws up to 15° in any direction or 30° total*
- **EZ-Guide Side:** *Serves as an alternative to the threaded locking drill guide and allows for quick on-axis drilling*

Washers

- *Available for use with non-locking screws when non-locking screws are used outside of the plate.*

Threaded Drill Guide

- *For on-axis drilling of locking screw holes*

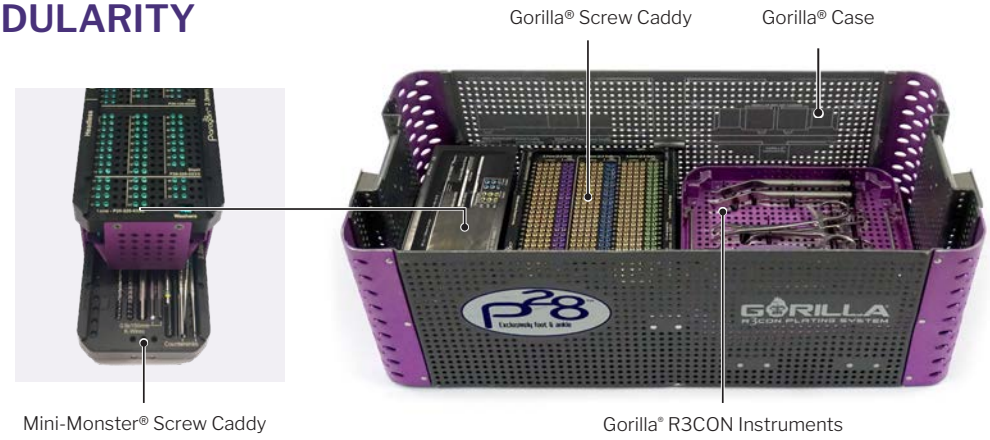
Compression Slot Drill Guide

- *For ramped compression slot*

Plate Benders

GORILLA® | R3CON Plating System

SYSTEM MODULARITY



GORILLA® R3CON INSTRUMENT CADDY

Drills, drill guides, centering guides, olive wires, plate benders, drivers, K-wires and a depth gauge are located in the Gorilla® R3CON Instrument Caddy.

GORILLA® CADDIES

The Gorilla® Case has room for up to 3 full size Gorilla® caddies and PRESERVE™ Allograft trial caddies. All caddy options include:

- Gorilla® Ankle Fracture Plating Caddy
- Gorilla® Ankle Fracture Posterior and Hook Plating Caddy
- Gorilla® BOW & ARROW® Plating Caddy
- Gorilla® Calc Slide Caddy
- Gorilla® Calcaneal Fracture Plating Caddy
- Gorilla® Central Column Caddy
- Gorilla® Lapidus Plating Caddy
- Gorilla® Lateral Column Fusion Caddy
- Gorilla® Lisfranc Plating Caddy
- Gorilla® Medial Column Plating Caddy
- Gorilla® MTP Plating Caddy
- Gorilla® NC Fusion Caddy
- Gorilla® Pilon Fracture Caddy
- Gorilla® Supramalleolar Osteotomy Caddy
- Gorilla® Universal Plating Caddy
- PRESERVE™ Lapidus Allograft Trial Caddy
- PRESERVE™ MTP Allograft Trial Caddy
- PRESERVE™ Evans and Cotton Trial Caddy
- PRESERVE™ Subtalar and Calc-Cuboid Caddy
- PRESERVE™ HammerGraft™ and HammerTube™ Caddy

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Exclusively foot & ankle Paragon 28®

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For the contraindications, potential complications and adverse reactions, warnings and precautions associated with this device, please refer to the device specific instructions for use at http://www.paragon28.com/ifus