

GORILLA[®]

R3CON™ PLATING SYSTEM



Exclusively foot & ankle **20**
Paragon[®]

GORILLA® Plating System

Features & Benefits

- All plates are optimized to a procedure specific thickness
- Plates are available in 11 families to address reconstruction and trauma
 - 267 total plating options across all families
- All plates are machine contoured (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 2.7 mm, 3.5 mm, and 4.2 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 Cartilage Removal Tool, Periosteal Elevator, Curved and Straight Osteotomes, and Pin Distractor
- All plates, instruments, and screws are offered in one tray to limit sterilization costs and minimize confusion on the back-operating table

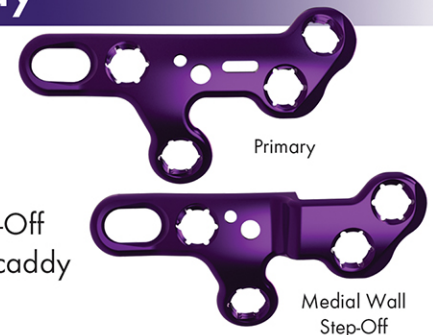
MTP Caddy



MTP Plates

- 32 plate offerings
 - Primary
 - Revision
 - Graft Spanning
- Precision Guide™ in caddy
- 1.3 - 1.6 mm thick

Lapidus Caddy



Lapidus Plates

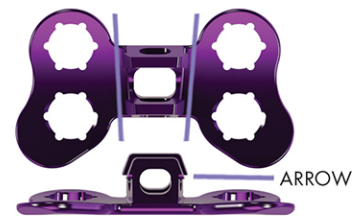
- 18 plate offerings
 - Primary
 - Revision
 - Medial Wall Step-Off
- Precision Guide™ in caddy
- 1.3 - 1.6 mm thick

BOW & ARROW™ Caddy



BOW & ARROW™ Plates

- 15 plate offerings
- 3 plating families
- Tapered plate back matches each available size of the patented PRESERVE™ bone graft wedges
- The "ARROW" latches onto the near cortex of bone



Universal Caddy

Universal Plates

- 41 plate offerings
- 7 plating families
- Each plate offers multiple size options
- 2⁸ Plate and T-Plate have options with additional configurations and screw holes

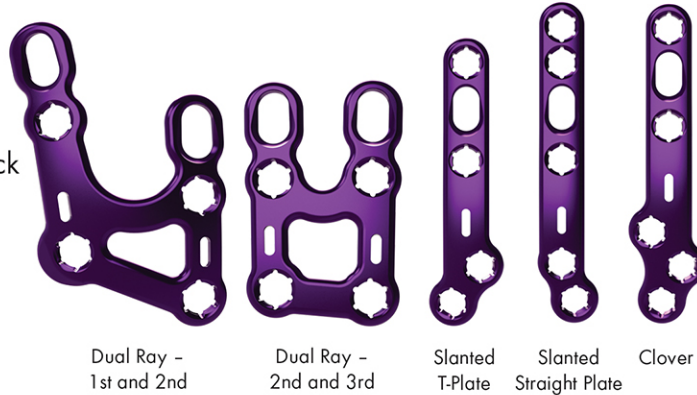


GORILLA® Plate Offering

Lisfranc Caddy

Lisfranc Plates

- 28 plate offerings
- 5 plating families
- Low profile - 1.4 mm thick
- Plates contoured for unique anatomy at the tarsometatarsal joint



Calc Slide Caddy

Calc Slide Plate

- 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 Fracture Caddy

Calc Fracture Plates

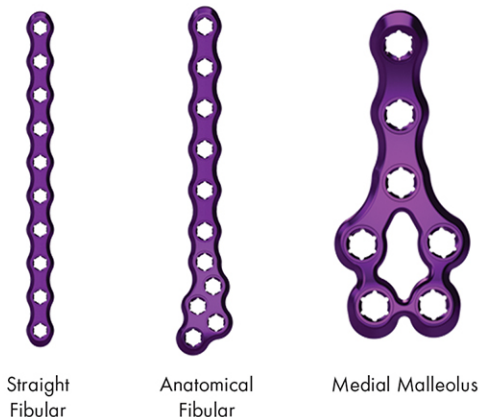
- 20 plate offerings
 - Extensile
 - Sinus Tarsi
 - Sinus Tarsi Support
- Low profile - 1.1 mm thick
- Incision guide, Inserter and Dissection Instrumentation included to assist in minimizing incision and to ease insertion



Ankle Fracture Caddy

Ankle Fracture Plates

- 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



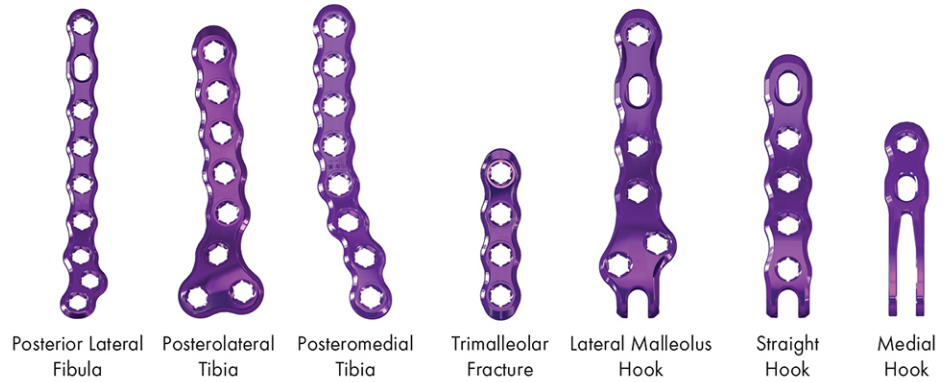
GORILLA® Plate Offering

Ankle Fracture Posterior and Hook Caddy

Ankle Fracture Hook and Posterior Plates

- 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)

- Low profile - 1.5 mm thick
- Anatomic curvature to limit intraoperative bending
- Hook Plate Tamps and Screw Drill Guide to aid in placement of plate and allow for positioning of screw through selected plate hooks



NC Fusion Caddy



Small NC Fusion Plate



Extra Large NC Fusion Plate

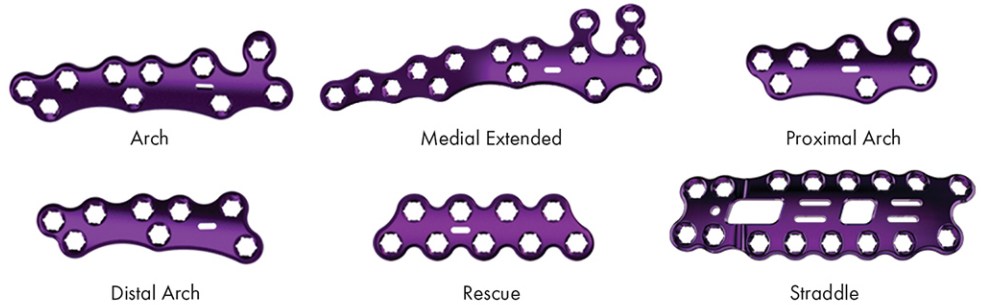
NC Fusion Plates

- 8 plate offerings (Small, Medium, Large, and Extra Large)
- Precision™ Guide included in caddy - places screw outside plate from medial cuneiform into navicular
- Plate curves cylindrically to mate with 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

Medial Column Caddy

Medial Column Plates

- 46 plate offerings
- Available in Standard 1.5 mm thickness and 2.0 thickness for Charcot patients
- 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



Lateral Column Caddy

Medial Column Plates

- 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 beaming plate screw to aid in stabilization and compression of the lateral column

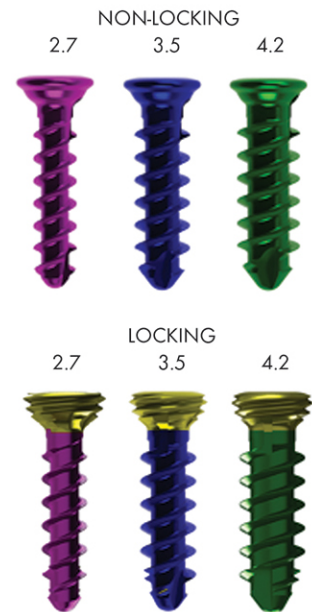


Lateral Column Standard Plate

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R3CON™ PLATING SYSTEM

- Screw Head
 - The screw head is the same size regardless of screw diameter
 - Width of screw head maximized to allow for maximal interface between driver and screw
 - All screws use same size hexalobe driver (non-cannulated TR-10 driver)
 - All screws have a hexalobe drive feature which maximizes surface contact and torque transmission between the driver and 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



Locking Screw		
Diameter		
2.7 mm	Non-Locking	1 mm increments, 8-20 mm
2.7 mm	Non-Locking	2 mm increments, 22-40 mm
3.5 mm	Non-Locking	2 mm increments, 10-50 mm
4.2 mm	Non-Locking	2 mm increments, 10-50 mm
4.2 mm	Non-Locking	5 mm increments, 55-70 mm

Non-Locking Screw		
Diameter		
2.7 mm	Non-Locking	1 mm increments, 8-20 mm
2.7 mm	Non-Locking	2 mm increments, 22-40 mm
3.5 mm	Non-Locking	2 mm increments, 10-50 mm
4.2 mm	Non-Locking	2 mm increments, 10-50 mm
4.2 mm	Non-Locking	5 mm increments, 55-70 mm

Variable Angle Locking



- Locking screws allow for 15° of variable angle locking in any direction
- TiN head coating on locking screws maintains thread to plate interface without weakening plate material

DRILL GUIDE OPTIONS FOR GORILLA PLATES:

- OPTION 1:** Traditional threaded drill guide for locking screw holes
- OPTION 2:** EZ-Guide side of standard drill guide serves as an alternative to the threaded locking drill guide and allows for quick on-axis drilling
- OPTION 3:** Cone side of standard drill guide, allowing for off-axis drilling of locking screws up to 15° in any direction or 30° total in a plan
- OPTION 4:** Oblong drill guide for ramped compression slot



GORILLA® Plate Features

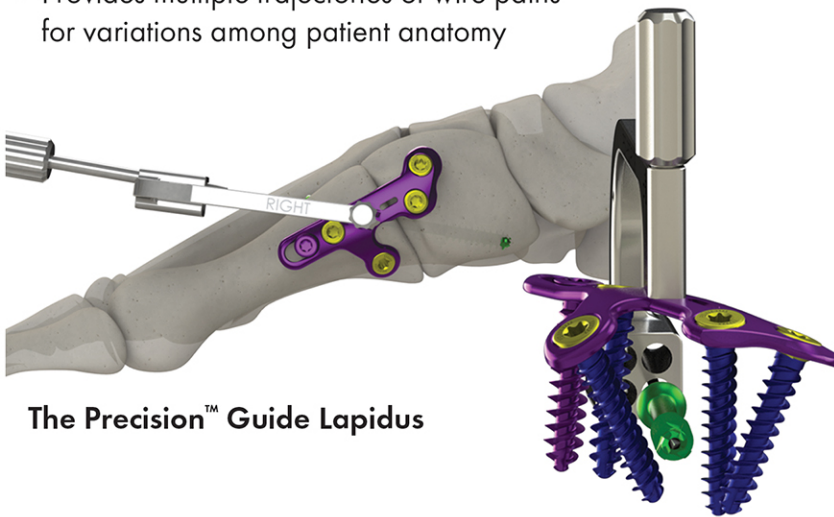
- All holes allow for locking and non-locking 2.7, 3.5, and 4.2 mm screws
- Holes are scalloped for easy thread start for a screw that is placed off axis
- Holes are tapered for lag effect with locking screw
- Many plates are ramped to reduce soft tissue irritation
- Many plates have ramped compression holes which will accept a Gorilla® R3CON Nonlocking screw
 - Optimized to reduce friction and provide maximum compression down the ramp of nearly 3 mm



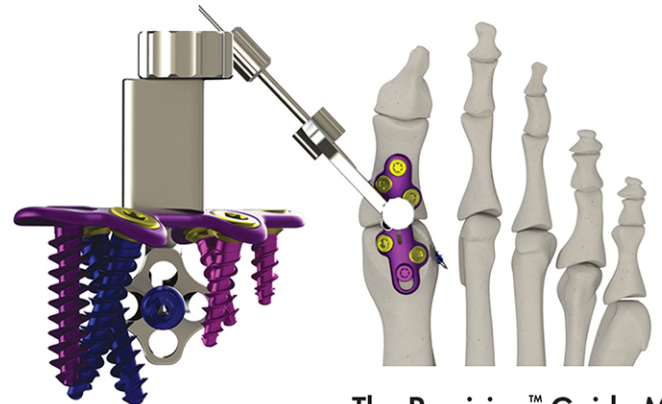
PRECISION™ Guides

PRECISION™ GUIDES

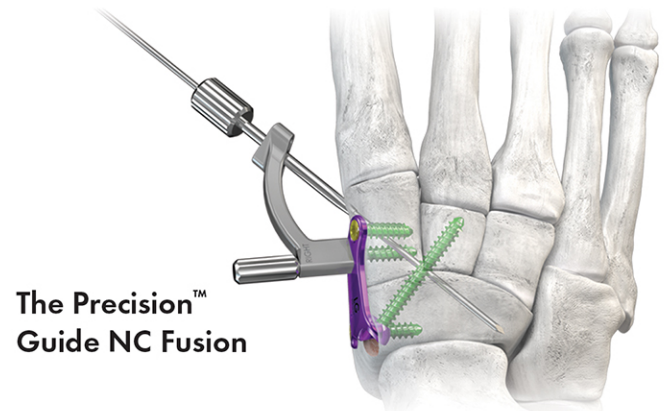
- Patent pending guide for trajectory of cross-screw that attaches directly to plate and misses all other screws in the construct
 - Allows plate screws to remain on axis and avoid cross screws minimizing prominence and soft tissue irritation
- Provides multiple trajectories of wire paths for variations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



The Precision™ Guide Lapidus

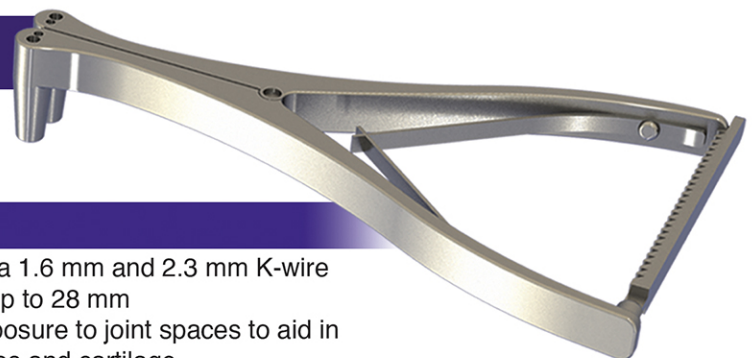


The Precision™ Guide MTP



The Precision™ Guide NC Fusion

Joint Preparation Instrumentation



PIN DISTRACTOR

- Accommodates both a 1.6 mm and 2.3 mm K-wire
- Creates an opening up to 28 mm
- Allows for greater exposure to joint spaces to aid in removal of osteophytes and cartilage



SUBCHONDRAL DRILL

- Provides approximately 10 mm of controlled drilling of subchondral bone
- Features a stop to help prevent deeper penetration
- Designed for use in arthrodesis joint preparation



CARTILAGE REMOVAL TOOL

- Provides “reverse cutting” functionality
- Ideal for debridement of curved, small and/or difficult to access joints

Additional Instrumentation

Threaded Plate Bending Bars

- Threads into plate holes to allow for preservation of plate threads when contouring

Bone Reduction Clamp

- Curved with pointed tip

Lobster Claw

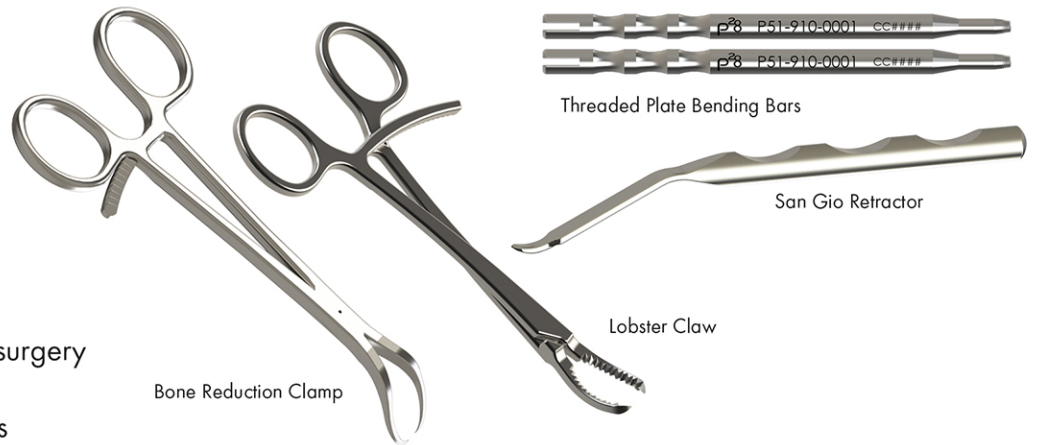
- Curved with serrated jaws

San Gio Retractor

- Sized and contoured for foot ankle surgery

Straight and Curved Osteotomes

- Available in 6, 8, and 10 mm widths



Bone Reduction Clamp

Lobster Claw

Threaded Plate Bending Bars

San Gio Retractor

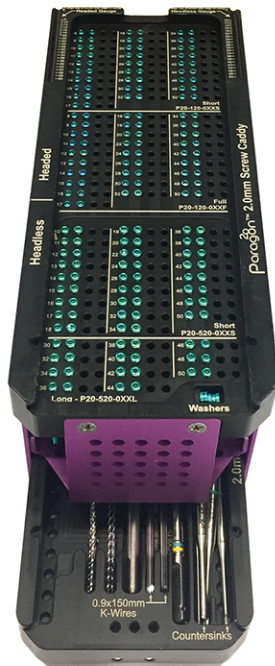
System Modularity

Mini-Monster Screw Caddy:

The Gorilla Case can accommodate one Mini-Monster Screw caddy (2.0, 2.5, 3.0, 3.5, or 4.0) based on the procedure need

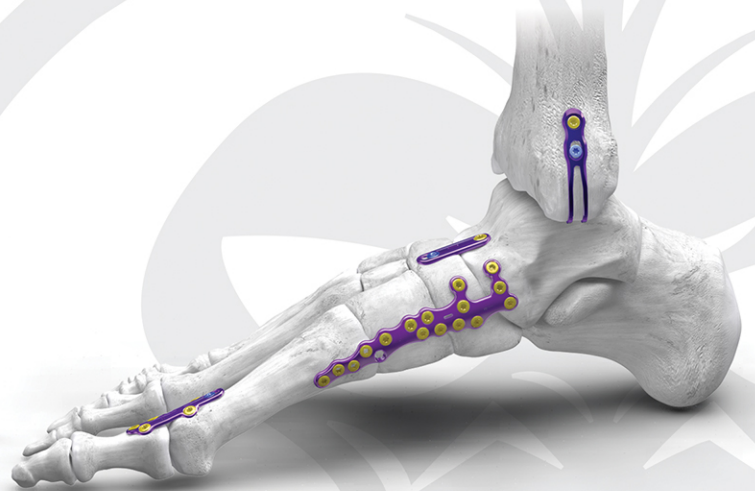
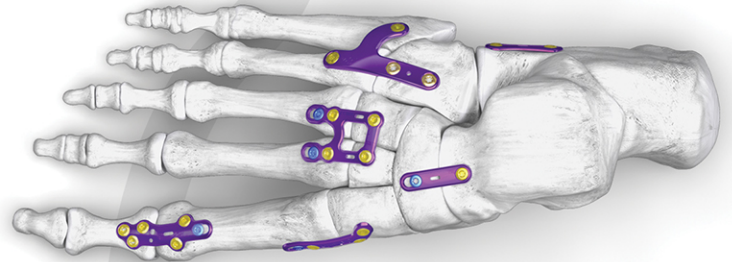
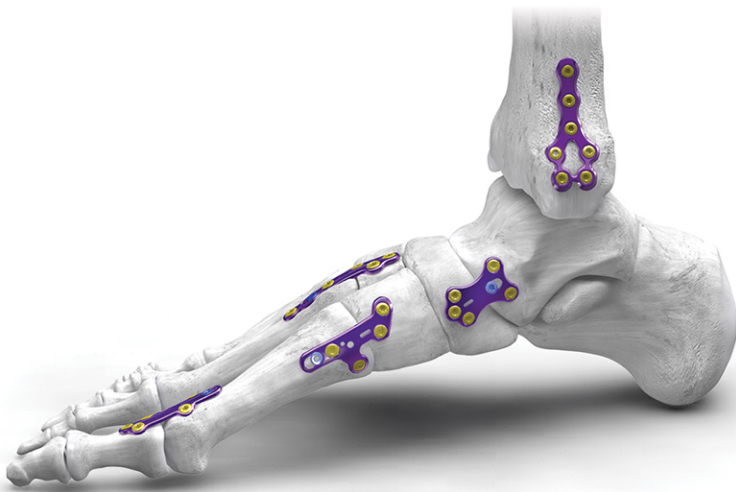
Additional Gorilla Caddies:

The Gorilla case was designed to maximize modularity and may accommodate up to four Gorilla plate caddies or PRESERVE allograft caddies



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GOBR-01 RevD
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The Instructions for Use (IFU) for the Gorilla® Plating System
 can be found in P51-IFU-1001 <http://www.paragon28.com/ifus/>.

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