

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

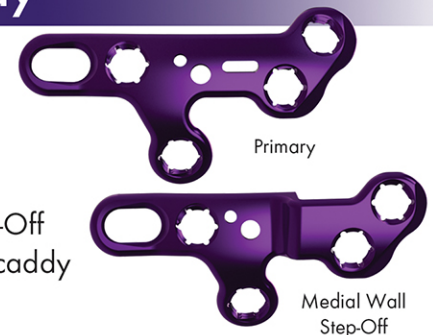
MTP Caddy



MTP Plates

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

Lapidus Caddy



Lapidus Plates

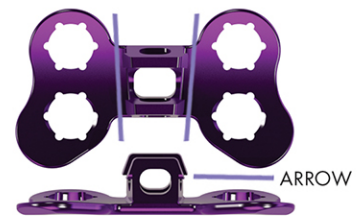
- 18 plate offerings
 - Primary
 - Revision
 - Medial Wall Step-Off
- Precision Guide™ in caddy
- 1.3 - 1.6 mm thick

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
- 2nd Plate and T-Plate have options with additional configurations and screw holes

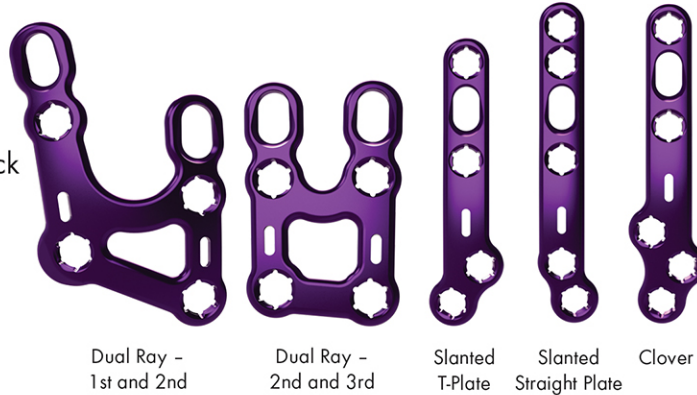


GORILLA® Plate Offering

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

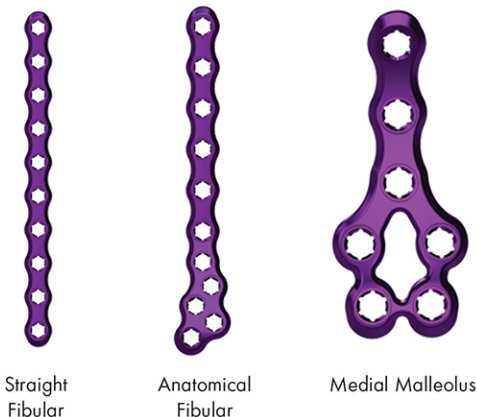
- 20 plate offerings
 - Extensile
 - Sinus Tarsi
 - Sinus Tarsi Support
- Low profile - 1.1 mm thick
- Incision guide, Inserter and Dissection Instrumentation included to assist in minimizing incision and to ease insertion



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



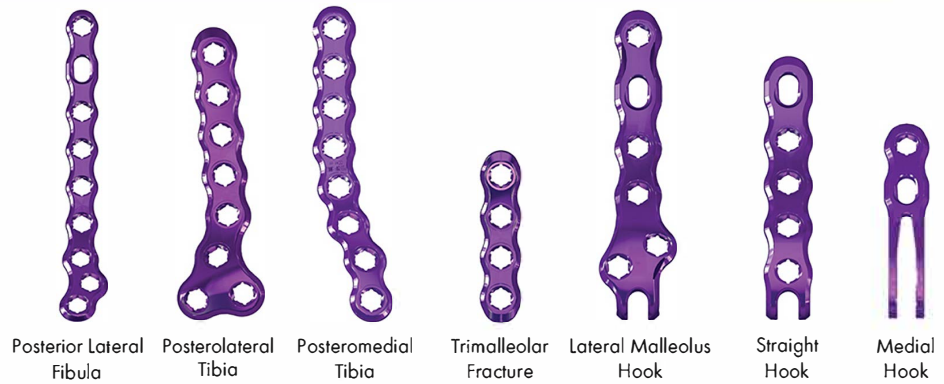
GORILLA® Plate Offering

Ankle Fracture Posterior and Hook Caddy

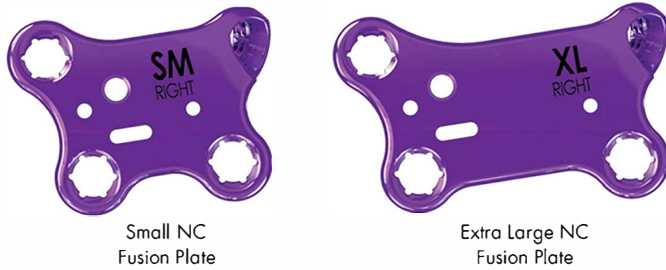
Ankle Fracture Hook and Posterior Plates

- 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



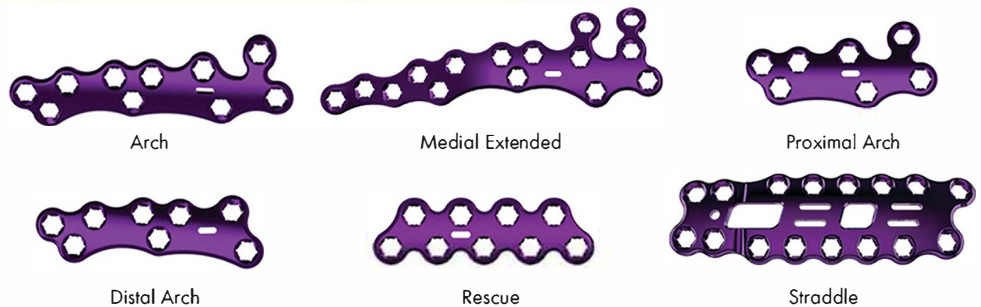
NC Fusion Plates

- 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 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



Lateral Column Caddy

Lateral 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

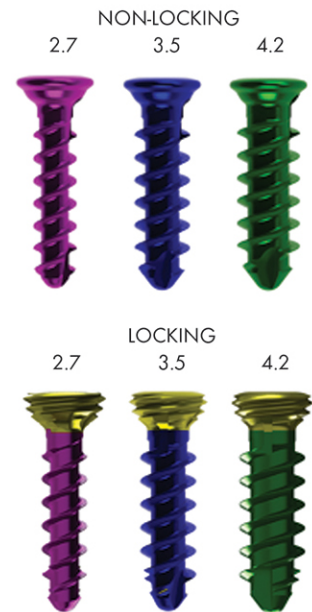


Lateral Column Standard Plate

GORILLA[®]

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

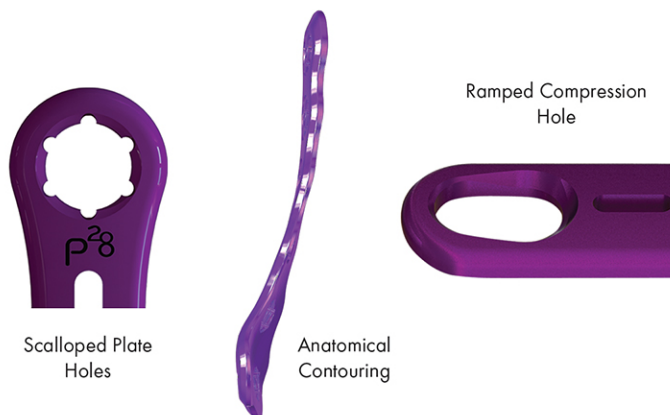
DRILL GUIDE OPTIONS FOR GORILLA PLATES:

- 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

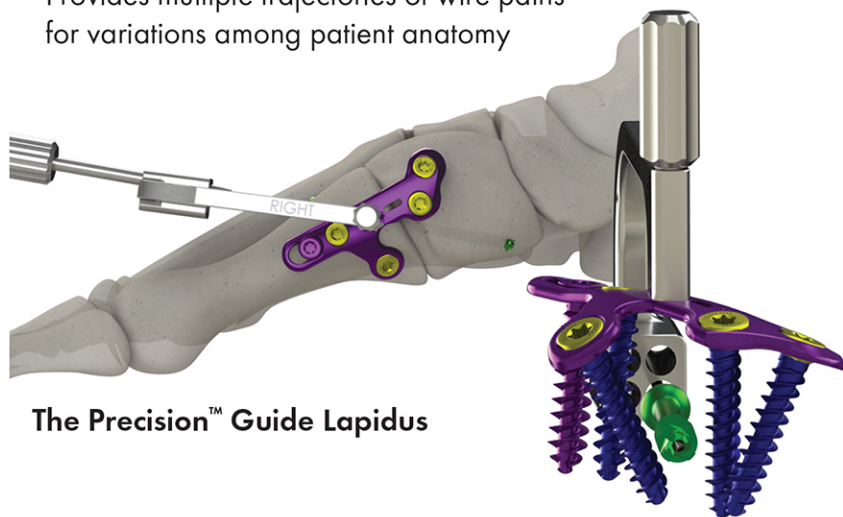
- All holes allow for locking and non-locking 2.7, 3.5, and 4.2 mm screws
- Holes are scalloped for easy thread start for a screw that is placed off axis
- Holes are tapered for lag effect with locking screw
- Many plates are ramped to reduce soft tissue irritation
- Many plates have ramped compression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



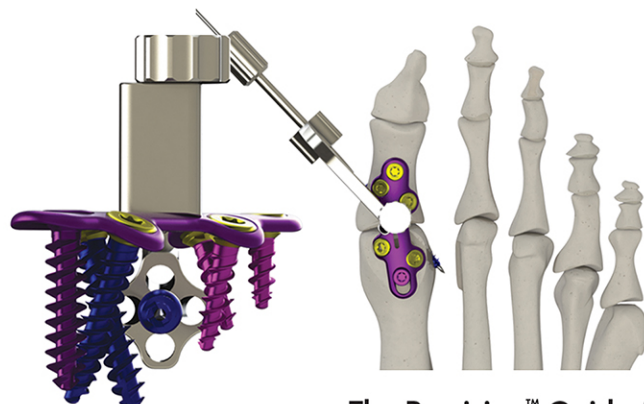
PRECISION™ Guides

PRECISION™ GUIDES

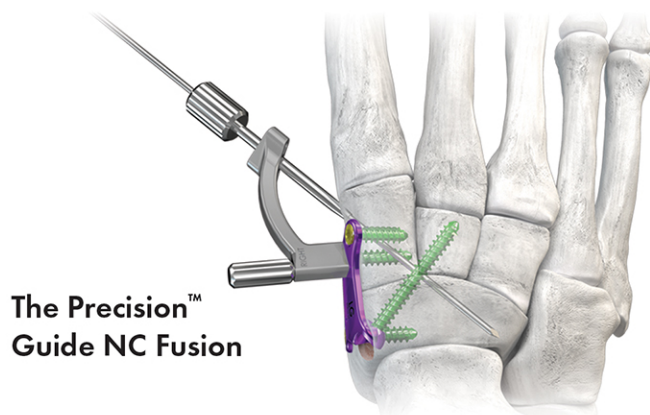
- Patent pending guide for trajectory of cross-screw that attaches directly to plate and misses all other screws in the construct
 - Allows plate screws to remain on axis and avoid cross screws minimizing prominence and soft tissue irritation
- Provides multiple trajectories of wire paths for variations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



The Precision™ Guide Lapidus

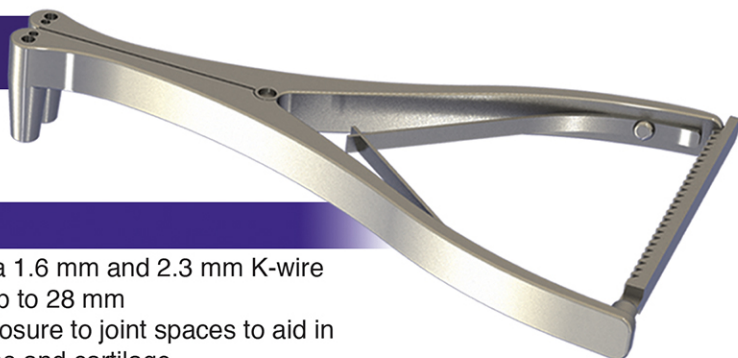


The Precision™ Guide MTP



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

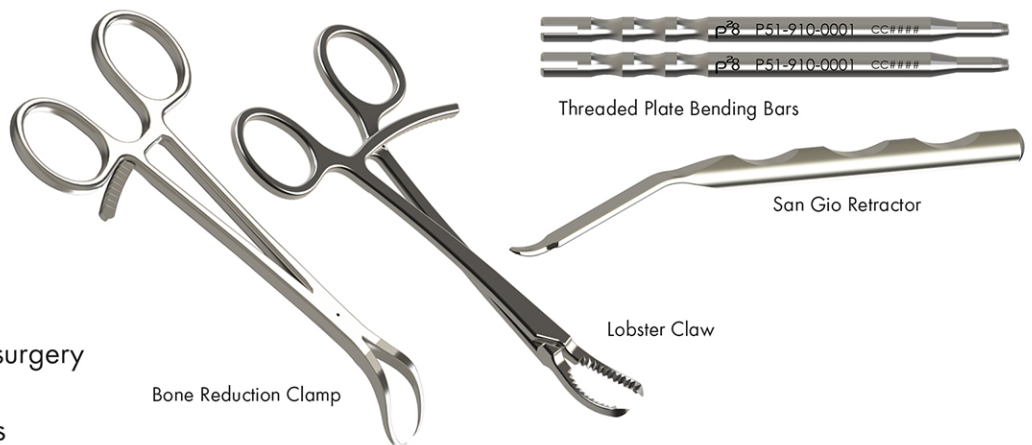
- Curved with serrated jaws

San Gio Retractor

- Sized and contoured for foot ankle surgery

Straight and Curved Osteotomes

- Available in 6, 8, and 10 mm widths



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Threaded Plate Bending Bars

San Gio Retractor

Lobster Claw

Bone Reduction Clamp

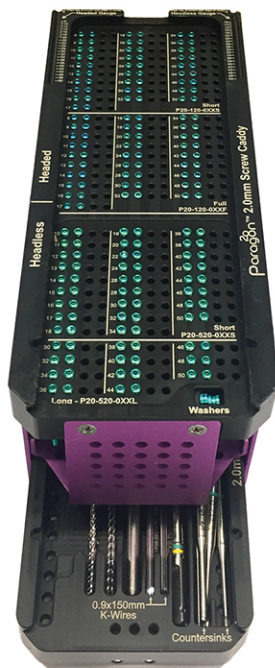
System Modularity

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

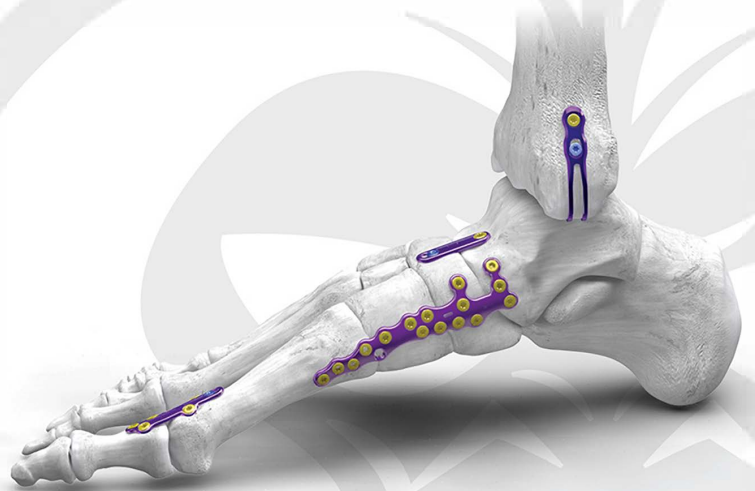
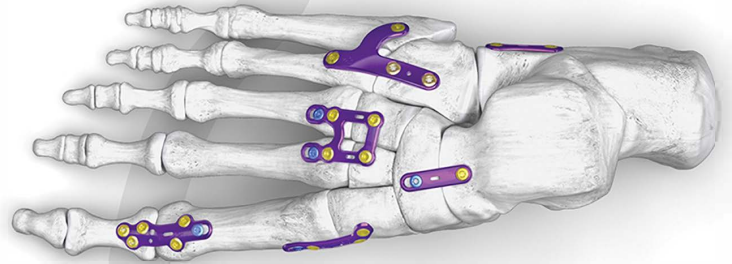
Additional Gorilla Caddies:

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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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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