PHANTOM™

Metatarsal Shortening System

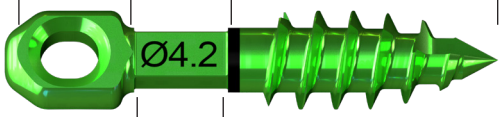
Exclusively foot & ankle

Paragon 28®

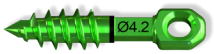
IMPLANT OFFERINGS

Proximal Head
- Contains slot for crossing screw

Distal Threads
- Driven into distal metatarsal fragment



Central Shaft
- Four flat faces for Wire Guide attachment and Slot Wrench engagement

	Proximal Outer Diameter	Thread Diameter	Pilot Hole Wire Diameter	Implant Length	Ø2.0 mm Baby Gorilla® Crossing Screw Lengths
	Ø2.7 mm	Ø3.5 mm	Ø2.25 mm	21mm	8 mm – 16 mm (2 mm increments)
	Ø3.5 mm	Ø3.5 mm	Ø2.25 mm	21mm	8 mm – 16 mm (2 mm increments)
	Ø4.2 mm	Ø4.2 mm	Ø2.75 mm	21mm	8 mm – 16 mm (2 mm increments)
	Ø5.0 mm	Ø4.2 mm	Ø2.75 mm	21mm	8 mm – 16 mm (2 mm increments)

DESIGN RATIONALE

- Metatarsal shortening is completed in line with metatarsal axis and designed to limit the potential for soft tissue imbalance and minimize plantar depression of the metatarsal head which could lead to metatarsalgia
- Intramedullary device with a crossing screw provides rotational stability
- Technique is completely extra-articular of the metatarsal head compared to alternative techniques that alter the articular surface
- Implant and technique does not require the MPJ capsule to be altered or opened
- Cut Guides allow for 3-8 mm of controlled bone resection and shortening

FEATURED INSTRUMENTATION

Implant Inserters

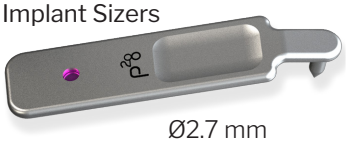
Ø2.7 mm

Ø3.5 mm

Ø4.2mm

Ø5.0mm

Implant Sizers



Ø2.7 mm

Ø3.5 mm

Ø4.2mm

Ø5.0mm

Pilot Hole Wires

Ø2.25 mm

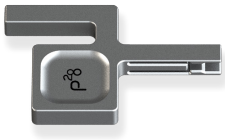
Ø1.30 mm x 8cm K-wire

Ø2.75 mm

Ø1.10 mm x 5cm K-wire

Depth Gauge

Wire Guide



Mini Skin Hook

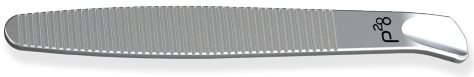
Cut Guides

3 mm, 5 mm, 7 mm cuts

4 mm, 6 mm, 8 mm cuts

K-wire Ruler

Shmogler Metatarsal Elevator

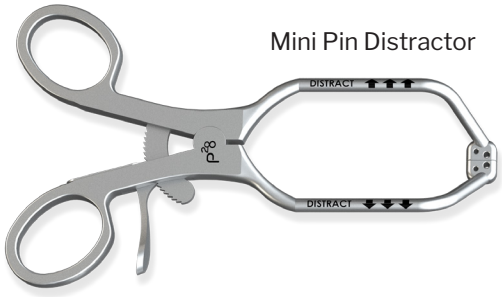


Slot Wrench

Ø2.7 mm Reamer

Mini Pin Compressor

Mini Pin Distractor

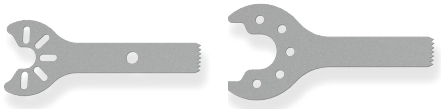


Ratcheting Mini-AO Handle

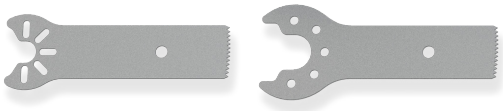
HX7 Solid Driver

Screw Holding Sleeve

Sterile Packed Saw Blades

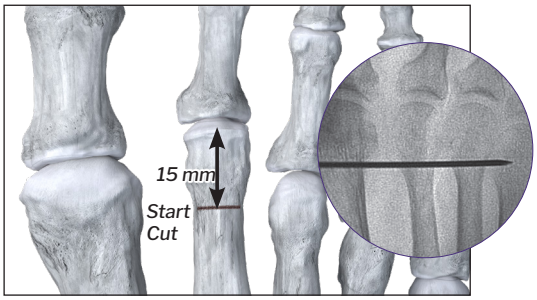


5.5 mm Width

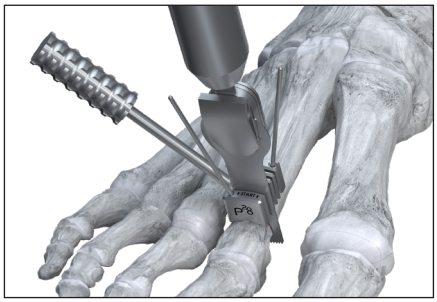


10 mm Width

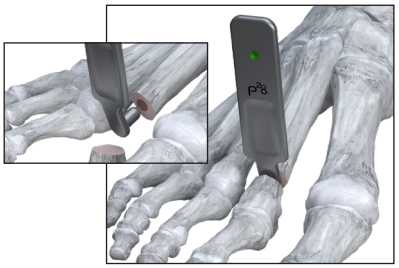
TECHNIQUE SUMMARY



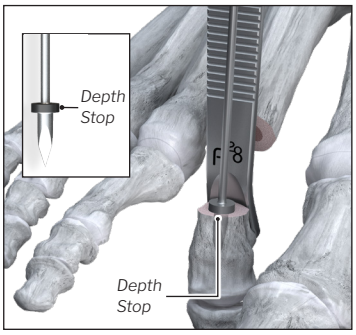
SITE PREPARATION — Osteotomy made ~15 mm proximal to MPJ at metaphyseal/ diaphyseal junction.



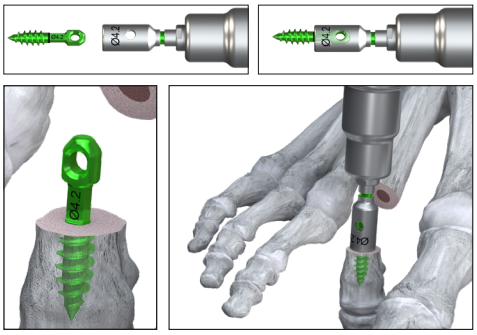
OSTEOTOMY — Cut Guide allows for 3–8 mm of controlled resection.



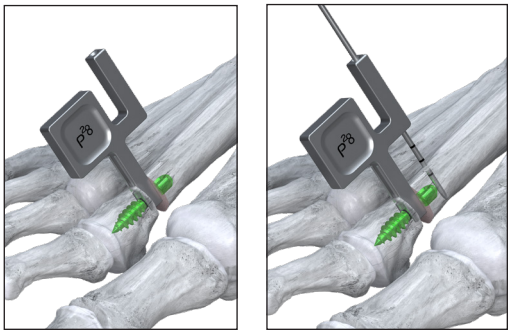
IMPLANT SIZING — Implant Sizer is used to measure diameter of proximal intramdelluarly canal.



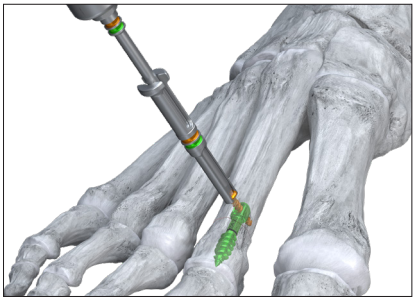
DISTAL PILOT HOLE — Pilot hole for distal portion of implant is drilled just dorsal of midline.



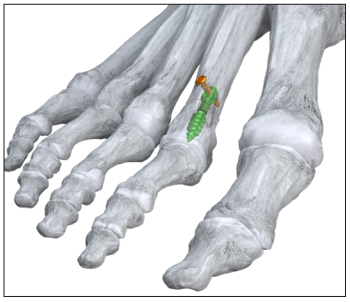
DISTAL IMPLANT INSERTION — Threaded portion of implant is inserted by hand.



PROXIMAL IMPLANT INSERTION — Wire Guide is attached to implant and osteotomy is compressed. A Ø1.3 mm K-wire is driven through the Wire Guide to create the pilot hole for a Baby Gorilla® crossing screw. The Wire Guide is then removed and the osteotomy compressed to fully seat the implant.



PROXIMAL IMPLANT INSERTION — A Baby Gorilla® crossing screw is inserted using an HX7 Driver to improve rotational stability of construct.



CLOSURE

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

Exclusively foot & ankle Paragon 28®

www.paragon28.com

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Paragon 28®, Inc.
14445 Grasslands Dr.
Englewood, CO 80112
(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