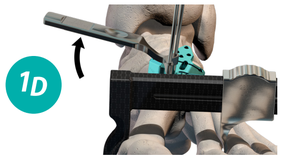
The 4 Dimensions

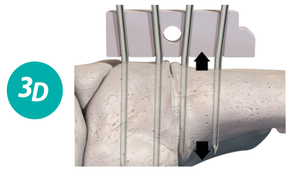


Rotation

The dynaBunion® Frontal Plane Joystick allows two-point control proximally at the joint which generates strong leverage to correct rotation. A wire can be placed into the distal reducer to secure rotation.

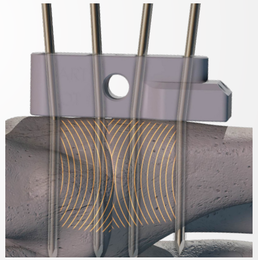
Reduction

The dynaBunion® reducer provides distal IMA reduction directly at the metatarsal head. Unlike competitive reducers, the medial arm of the dynaBunion® reducer can be placed directly over the skin. Once tightened, it will hold the IM reduction in place.



Alignment

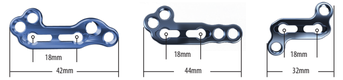
The radiolucent dynaBunion® RAC Block finalizes and secures the correction. In addition, the RAC block provides a platform to optimize sagittal alignment and avoid transfer metatarsalgia.



Compression

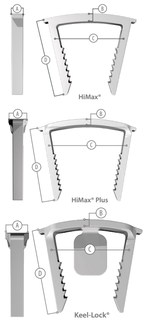
dynaBunion® addresses compression, a critical but commonly forgotten dimension of Lapidus. The RAC block features convergent holes to help generate strong initial compression and bony apposition. The joint can then be fixated with Staple Compression Plate™ technology.

DynaForce® Staple Compression Plate™ Options



	dynaBunion® SCP™		LC SCP™		LZ SCP™	
TYPE	Right	Left	Alpha	Beta	Alpha	Beta
PART NUMBER	7100-LP18-R	7100-LP18-L	7100-LC18-A	7100-LC18-B	7100-LZ18-A	7100-LZ18-B
SLOT LENGTH/STAPLE SIZE	18mm	18mm	18mm	18mm	18mm	18mm
OVERALL LENGTH	42mm	42mm	44mm	44mm	32mm	32mm
THICKNESS	1.7mm	1.7mm	1.7mm	1.7mm	1.7mm	1.7mm
PLATE CURVATURE (DISTAL/PROXIMAL)	0 Degrees	0 Degrees	10 Degrees	10 Degrees	10 Degrees	10 Degrees
COMPATIBLE STAPLE	HiMax®	HiMax®	HiMax®-C	HiMax®-C	HiMax®-C	HiMax®-C
ANTI-DRIFT BOLT™ COMPATIBLE	YES	YES	NO	NO	NO	NO

Nitinol Options



		For use with dynaBunion® Plate			For use with LC™ and LZ™ Plate				
		HiMax® Implant (18x18x18mm)	HiMax® Implant (18x14x14mm)	HiMax® Implant (18x18x14mm)	HiMax® C Implant (18x18x18mm)	HiMax® C Implant (18x14x14mm)	HiMax® C Implant (18x18x14mm)	HiMax® Plus Implant	Keel-Lock® Implant
PART NUMBER		7118-1818	7118-1414	7118-1814	7118-1818-C	7118-1414-C	7118-1814-C	7415-1515 thru 7425-2222	7318-1818, 7320-2020
BRIDGE WIDTH	A	2.7mm	2.7mm	2.7mm	2.7mm	2.7mm	2.7mm	5mm	5mm
BRIDGE THICKNESS	B	1.8mm	1.8mm	1.8mm	1.8mm	1.8mm	1.8mm	1.3-1.6mm	1.3-1.6mm
INTERAXIS LENGTH	C	18mm	18mm	18mm	18mm	18mm	18mm	15,18, 20, 25mm	18 or 20mm
LEG LENGTH	D	18mm	14mm	18x14mm	18mm	18mm	18x14mm	15,18, 20,22 mm	18 or 20mm
REAMER SIZE		3.2mm	3.2mm	3.2mm	3.2mm	3.2mm	3.2mm	3.2mm	3.2mm
COMPRESSION		27lbs.	27lbs.	27lbs.	27lbs.	27lbs.	27lbs.	28lbs.	28lbs.
CURVATURE WHEN LEGS ARE STRAIGHT		0°	0°	0°	10°	10°	10°	10°	10°

Anti-Drift Bolt

(For use with dynaBunion® Plate only)

3.5mm, Non-Locking, Solid
FullyThreaded, 14mm
28-46mm Lengths, 2mm Increments

Plate Screws

	3.0mm POLYAXIAL LOCKING	3.5mm POLYAXIAL LOCKING	3.0mm NON-LOCKING	3.5mm NON-LOCKING
PART NUMBER	15PL-3010 thru 15PL-3030	15PL-3510 thru 15PL-3530	15NL-3010 thru 15NL-3030	1500-3510 thru 1500-3550
SIZE RANGE*	10mm-30mm	10mm-30mm	10mm-30mm	10mm-50mm
DRIVER	H10 (Hexalobe)	H10 (Hexalobe)	H10 (Hexalobe)	H10 (Hexalobe)
DRILL SIZE	2.0mm	2.5mm	2.0mm	2.5mm

*2mm increments

Indications & Risks

The MotoBAND® CP Implant System is indicated for stabilization and fixation of fresh fractures, revision procedures, joint fusion and reconstruction of small bones of the hand, feet, wrist, ankles, fingers and toes. When used for these indications, the MotoBAND® CP Implant System with the exception of the 2-hole plate may be used with the MotoCLIP®/HiMAX® Implant System. There are potential risks associated with the use of these devices some of which include: allergic reaction to the implant material, fracture of the implant, soft-tissue complication (e.g., infection at the implant site, prolonged healing), and revision surgery. Refer to IFU for all contraindications, warnings, and risks.

US Patents: D870,284, D892,331, 10,299,842,10,433,888, 10,292,713, 10,470,779, 10,492,841, D869,657 & US D891,619

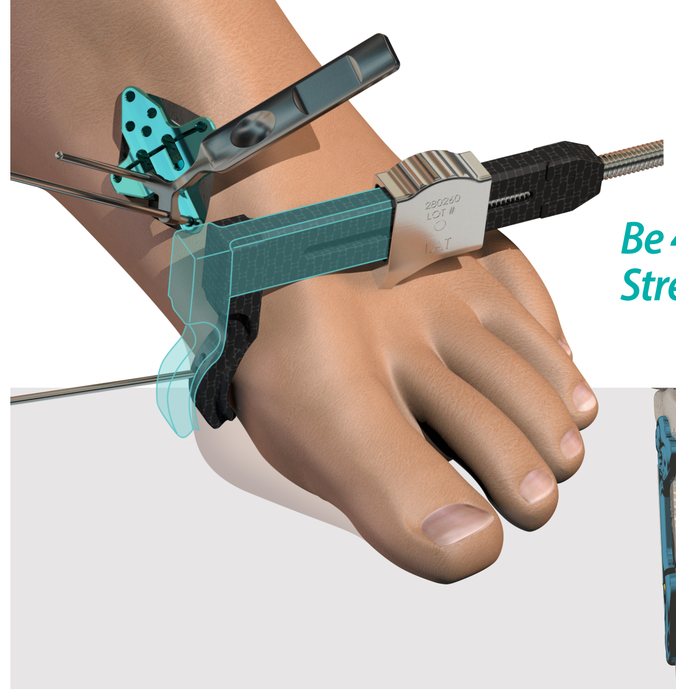
Patents are issued and pending worldwide. Data on File for all information & data listed

1. Geng, X., Shi, J., Chen, W. et al. Impact of first metatarsal shortening on forefoot loading pattern: a finite element model study. BMC Musculoskelet Disord 20, 625 (2019) https://doi.org/10.1186/s12891-019-2973-6

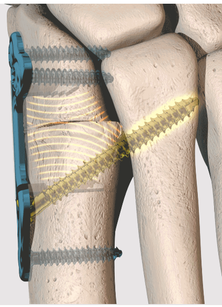
CrossRoads Extremity Systems
Breakthroughs for Faster Healing™

6423 Shelby View Drive, Ste 101 | Memphis, TN 38134
(901) 221-8406 | info@crextremity.com | crextremity.com

LA0741 Rev. D



Be 4D Stress Free™



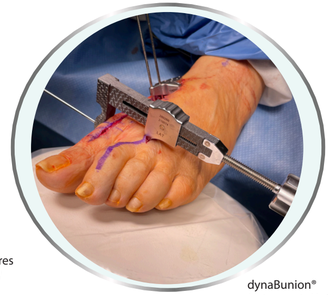
dynaBunion® 4D
4D Minimal-Incision Bunion System

CrossRoads Extremity Systems
Breakthroughs for Faster Healing™

Lapidus Should Be
.....*4D Stress Free*™

Instead of manually holding the bones in multiple plane alignment, dynaBunion® instrumentation secures each plane individually. This allows for fine-tuning of alignment in each plane and a less-stressful surgery.

Traditional Procedures
Multiple Hands Used



dynaBunion®
Instruments Hold Position

"The 4th Dimension"
Compression That Doesn't Quit

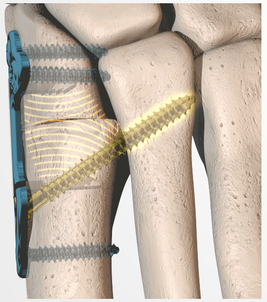
Compression is addressed by utilizing a unique RAC (re-alignment and compression) block and DynaForce® Staple Compression Plate™ (SCP). SCPs™ have a patented design that utilizes a powerful nitinol staple to provide compression.

This provides these primary advantages:

Gap Recovery
Continuous staple compression overcomes space between the fusing bones (i.e. gapping) caused by natural osteoclast resorption or patient non-compliance.

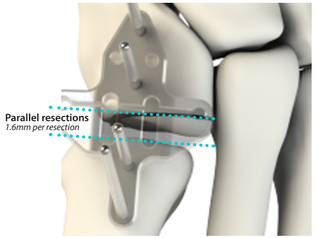
Apposition
Staple compression allows for increased bony apposition and surface area to optimize fusion compared to a transarticular lag screw.

Speed
Staple insertion is fast and simple compared to conventional independent lag screw techniques.



Minimize Shortening with
Un-Coupled Cuts

To minimize shortening, the dynaBunion® OsteoPrecise™ Cut Guide is designed to make thin resections relative to the surfaces of the metatarsal and cuneiform dependent on patient anatomy and correction. Each joint surface is cut independently and only takes off the minimal bone required for correction.



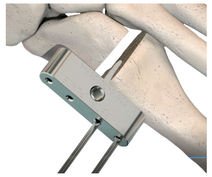
Relative, Thin, Precise Resections

The majority of cut guides in the market provide pre-set angles that are coupled together to take large wedge cuts. This may take off more bone than is required for that patient and can potentially lead to metatarsalgia if 6mm or more is removed[1]. Some competitive pre-angled guides allow over 3-5mm bone removal per side!

The OsteoPrecise™ Guide removes a maximum of 1.6mm of bone per side.

Say Goodbye To Pre-Angled Cut Guides.
Only Take What You Need.

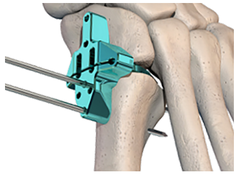
Cut Guides, Curettage or Freehand
Your Procedure, Your Choice



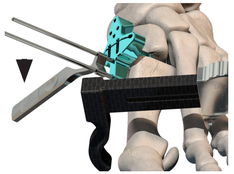
The dynaBunion® system may be used with the cut guide, freehand cuts or curettage techniques. This flexibility is due to the Freehand Wire Guide that allows the use of the correction tools and RAC blocks, regardless of resurfacing methodology.

dynaBunion® Surgical Technique

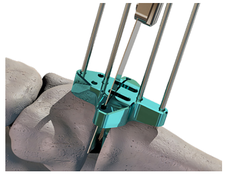
Cut Metatarsal



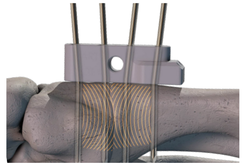
Correct



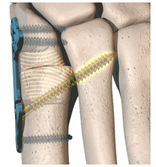
Cut Cuneiform

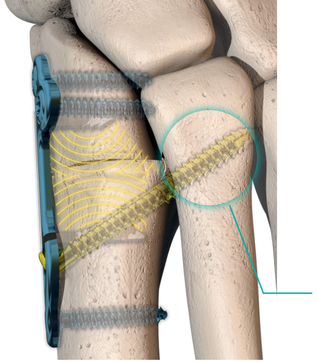


Compress



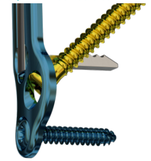
Compression Forever





+152%
Greater static strength/stiffness vs biplanar construct*

+60%
Greater fatigue strength vs biplanar construct*



Integration Matters
33% Stronger
performance when the bolt is incorporated into the plate vs. a standalone!*

Introducing
The Anti-Drift Bolt™
To Help Prevent Recurrence

The dynaBunion® construct features a solid Anti-Drift Bolt™ incorporated into the plate that can aid in supporting the first ray to help avoid bunion recurrence.

Targeting Technology
For Easy Placement and a Solid Construct

The Anti-Drift Bolt™ targeting instrumentation engages with the dynaBunion® plate and allows simple measurement and drilling for the Bolt. Seating the Bolt in the 2nd metatarsal has been shown to provide more stability than than seating in the cuneiform®. For reduced prominence, the Anti-Drift Bolt™ rests subflush into the plate.

Be 4D Stress Free™

dynaBunion® 4D
4D Minimal-Incision Bunion System