



**Market Leading  
Compression & Stability**

**Flush Insertion with  
Robust Instrumentation**

**Comprehensive Portfolio  
for Endless Capabilities**



COMPREHENSIVE  
**NITIROL**  
System

\*Data on File for All Information & Data Listed

## Indications & Risks

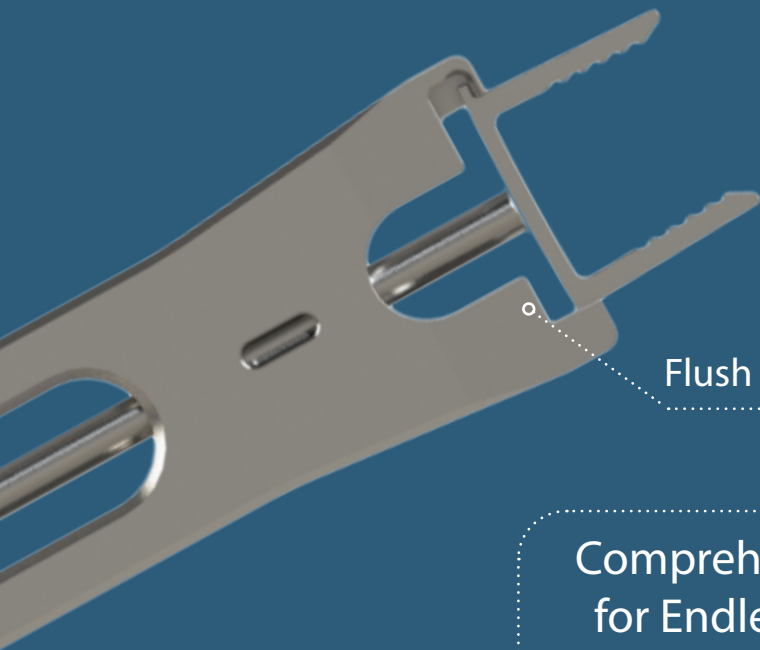
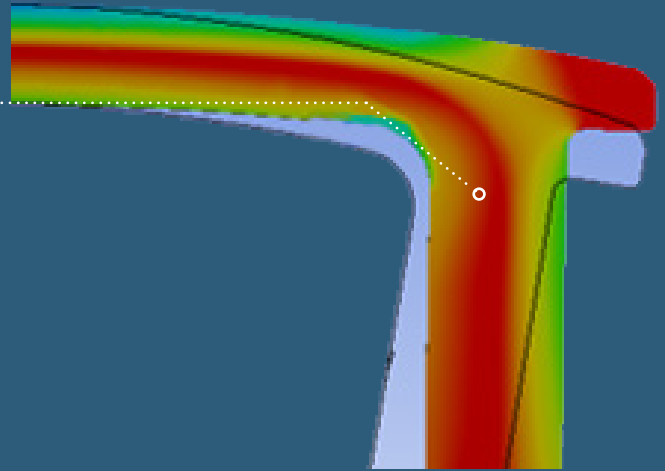
The MotoCLIP™/HiMAX™ Implant System is indicated for hand and foot bone fragment osteotomy fixation and joint arthrodesis. There are potential risks associated with the use of these devices some of which include: allergic reaction to the implant material, fracture of the implant, soft-tissue complication (e.g., infection at the implant site, prolonged healing), and revision surgery. Refer to IFU for all contraindications, warnings, and risks.

COMPREHENSIVE  
**NITINOL**  
System

**CrossRoads**<sup>®</sup>  
Extremity Systems

The leading nitinol material science & engineering platform for the lower extremities.

Market Leading Super Elastic  
Compression & Stability



Flush Insertion with Robust Instrumentation

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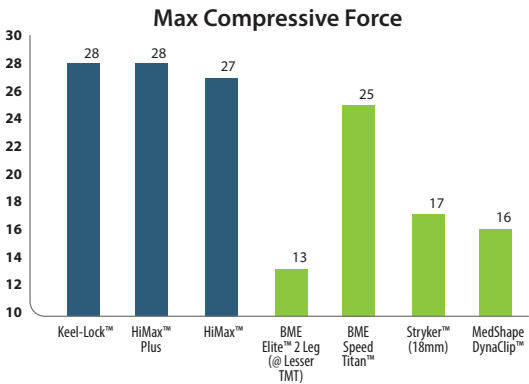


# Market Leading Compression & Stability

## HIGH & CONSISTENT COMPRESSION TO AID IN GAP RECOVERY

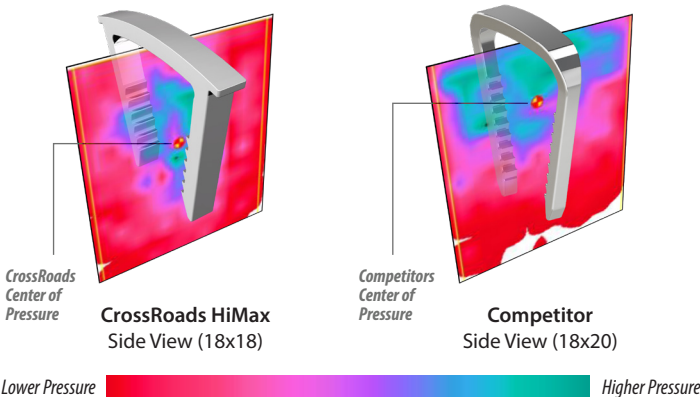
CrossRoads’ nitinol provides market leading compression & maintains consistent compressive force across different implant types & sizes.

*\*Based on self reported data from competitors using 15mm or 18mm implants*



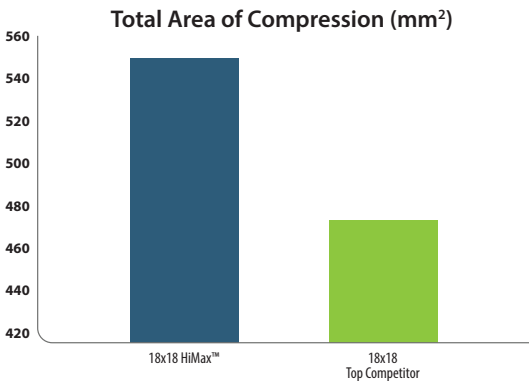
## DEEP CENTER OF PRESSURE TO AID IN PREVENTING PLANTAR GAPPING

In an attempt to prevent plantar gapping, CrossRoads nitinol staples have a deep center of pressure. This is the average location of how far down the implant legs compression is being applied. CrossRoads nitinol staples radiate compression up to 10MM past the end of the staple leg.



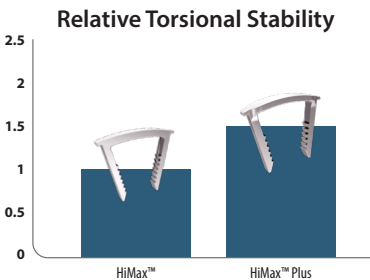
## WIDE DISTRIBUTION OF FORCE TO ENABLE BONY APPPOSITION

To optimize bony apposition, CrossRoads nitinol designs provides a wide distribution of force. This graph displays the total area in which compression is applied versus a leading competitor.



## OPTIONS FOR ENHANCED TORSIONAL STABILITY

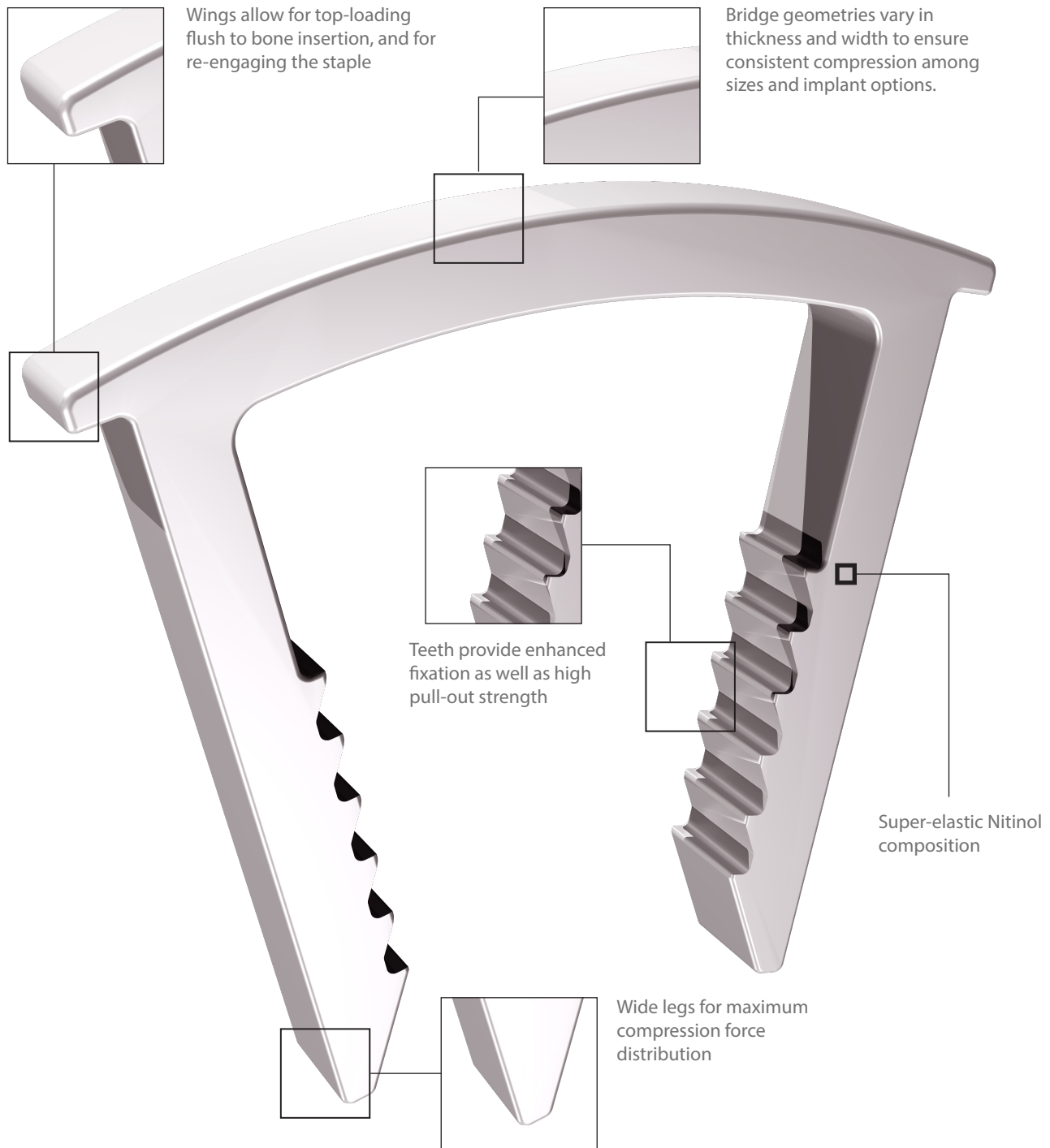
Our Comprehensive Nitinol System provides a variety of options with increasing levels of torsional stability.



All product names, trademarks and registered trademarks are property of their respective owners.  
All competitive information and imagery sourced from publicly available sources

# Unmatched Nitinol Design Philosophies

We offer a wide variety of unique nitinol implant platforms with varied geometries & capabilities. However, across ALL of our implants we strive to maintain a consistent design philosophy for optimal biomechanical performance & ease of use.



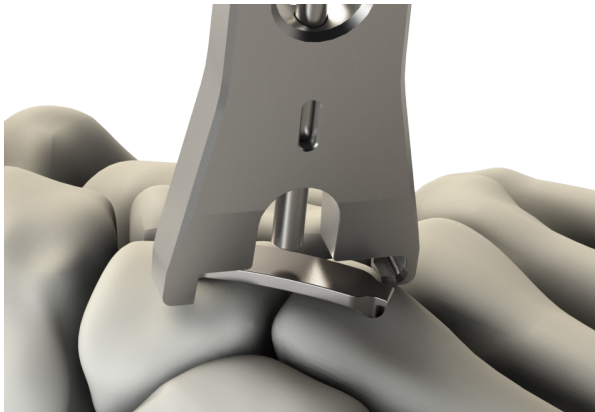
# Streamlined and Robust Instrumentation

## Robust Instrumentation

The entire CrossRoads Comprehensive Nitinol portfolio consists of high quality stainless steel instrumentation to ensure optimum accuracy and performance.



## Designed For Flush Insertion and Reattachment



Our nitinol systems are designed with procedural flexibility in mind. All implants & inserters are designed with top loading wing geometries to allow for easy attachment, flush insertion, & and reattachment.

## Provided Sterile. Packaged with EcoSMART

Instrumentation is packaged in sterile kits for efficiency and convenience. After surgery, the instrumentation is returned to CrossRoads® via the EcoSMART® Instrument Recovery Service where instruments are inspected and refurbished to premium condition for future use, providing a significant cost savings.



# A Comprehensive Portfolio with Endless Capabilities

We strive to be the leader in the material science & engineering of nitinol technology for the foot & ankle.

We provide one of the most comprehensive nitinol portfolios consisting of five platforms of over 25 total implant options.

More importantly we have attempted to push the boundaries of traditional nitinol implant design to offer unique one-of-a-kind implants such as Hi Max PLUS, & Step Staple.

COMPREHENSIVE  
**NITINOL**  
System



**CrossRoads Comprehensive Nitinol System** is a key component of **DYNAFORCE®** Staple Compression Plate Technology.

Our unmatched nitinol staples enable the complete gap recovery, bony apposition, & enhanced speed of the DynaForce system.

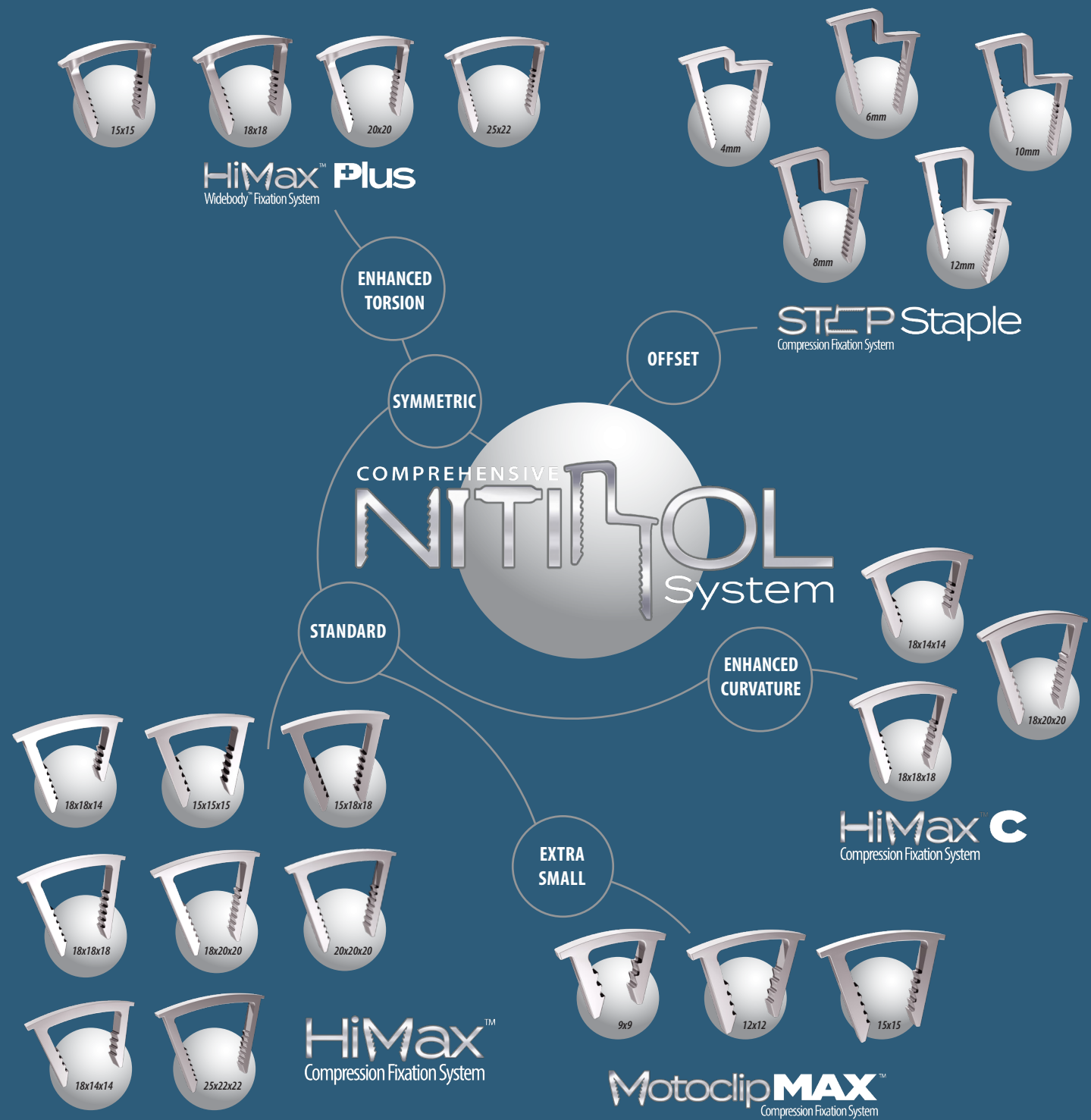
All 18MM HiMax™ & HiMax™ C implants are compatible with the DynaForce system. Please refer to plate brochures for more information.

**DynaFORCE®**



# Nitinol Genealogy

5 UNIQUE PLATFORMS. OVER 25 IMPLANT OPTIONS



# COMPREHENSIVE NITINOL System

## Midfoot

NC	HiMax <sup>™</sup> Plus	18x18 20x20
Lapidus	HiMax <sup>™</sup> Plus	18x18 20x20 25x22
Lisfranc	HiMax <sup>™</sup> Plus HiMax <sup>™</sup> C	15x15 18x18
General MT Osteotomy	HiMax <sup>™</sup>	15x15 18x18
Cottons Osteotomy	HiMax <sup>™</sup> Plus	18x18 20x20 25x22

## DynaFORCE<sup>™</sup> Staple Compression Plates (SCPs)

MTP TMT TN & Vero SCP's	HiMax <sup>™</sup>
Lapidus SCP's	HiMax <sup>™</sup> C

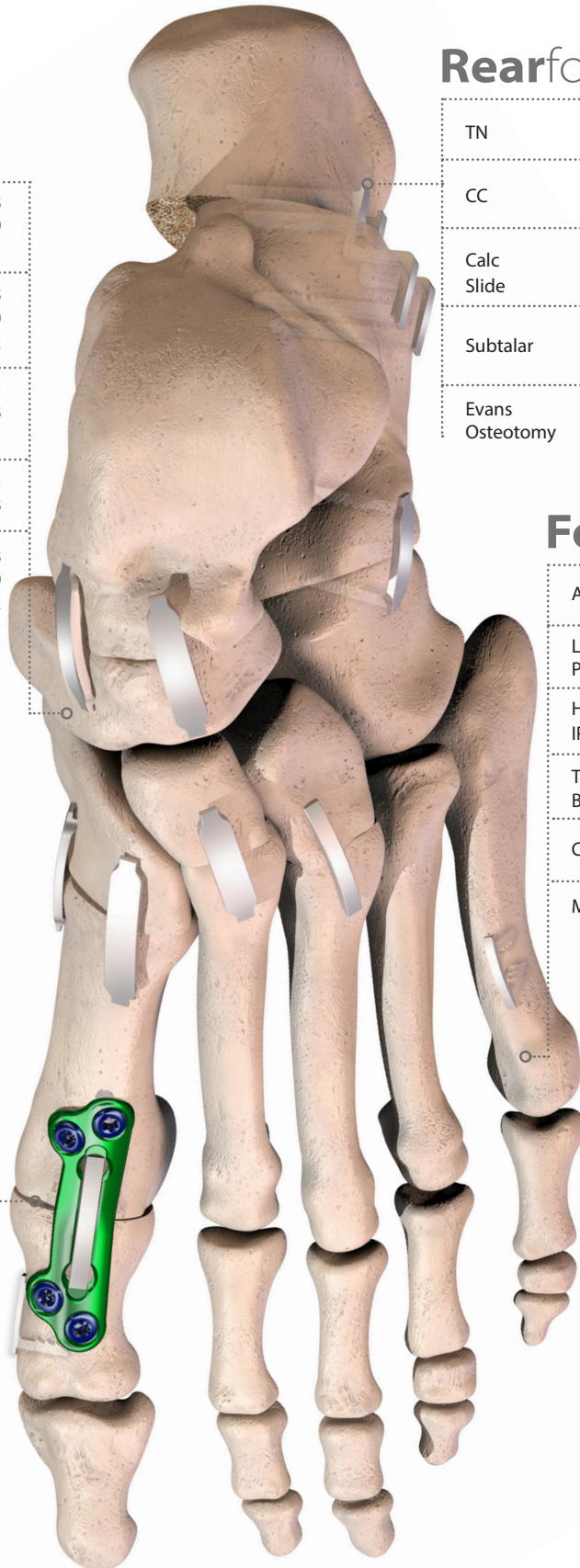
CrossRoads Comprehensive Nitinol System is a key component of DynaForce Staple Compression Plates (SCP). Most HiMax & HiMax C implants are compatible with SCP's.

## Rearfoot

TN	HiMax <sup>™</sup> Plus	18x18 20x20
CC	HiMax <sup>™</sup> Plus	18x18 20x20
Calc Slide	STEP Staple	Offsets 4,6,8,10,12
Subtalar	HiMax <sup>™</sup> Plus	18x18 20x20
Evans Osteotomy	HiMax <sup>™</sup> Plus	18x18 20x20 25x22

## Forefoot

Akin	Motodip <sup>™</sup> MAX	9x9 12x12
Lesser PIP	Motodip <sup>™</sup> MAX	9x9
Hallux IPJ	Motodip <sup>™</sup> MAX	9x9 12x12
Tailor's Bunion	Motodip <sup>™</sup> MAX	9x9 12x12
Chevron	HiMax <sup>™</sup>	15x15 18x18
MTP	HiMax <sup>™</sup>	15x15 18x18 18x14 18x18x14



\*Other indications & implant combinations are possible than those listed above. Final implant & sizing selection should be at the discretion of the physician.



**Market Leading  
Compression.**

**Optimized Bridge  
& Leg Geometry.**

**Winged Design  
for Flush Insertion.**

### What Do I Need To Cover A Case?

1 HiMax Kit (Implants & Instruments Included)

**Implants Are Preloaded Onto Inserters  
In Packaging.**

#### Kit Number Description

7115-1515KT	15x15x15 HiMax
7118-1414KT	18x14x14 HiMax
7118-1818KT	18x18x18 HiMax
7125-2222KT	25x22x22 HiMax
7118-2020KT	18x20x20 HiMax
7118-2222KT	18x22x22 HiMax
7120-2020KT	20x20x20 HiMax
7115-1818KT	15x18x18 HiMax

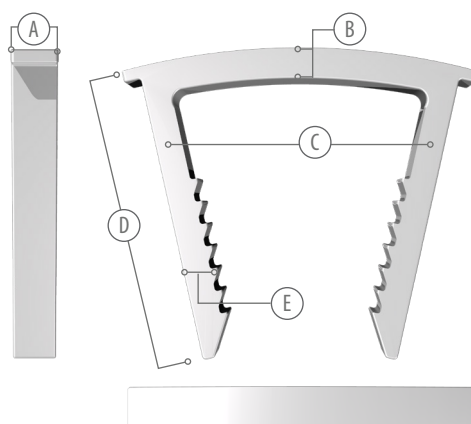
#### Part Number Description

Each kit contains:

2400XX-EP	DynaForce HiMax Clip
24510X	DynaForce Standard Inserters
24505X	DynaForce Drill Guide
246002	DynaForce Reamer
247002	Staple Temp Fixation Pins
245065	Tamp

### Product Specifications

## HiMax™ Compression Fixation System



	Dimension	HiMax Implant
Bridge Width	A	2.7mm
Bridge Thickness	B	1.8mm
Interaxis Length (between leg centers)	C	15, 18 20, 25mm
Leg Length	D	14, 15, 18 20, 22mm
Leg Cross-Section (without teeth)	E	1.7x2.7 (3.2ø)
Reamer Size		3.2mm
Compression		27lbs.

### Implant Offerings



### Instrumentation





**Enhanced  
Torsional Stability.  
Low Profile.  
Market Leading  
Compression.**

### What Do I Need To Cover A Case?

1 STAPLE Prep Kit

HiMax Plus Implants

**Implants Packaged Separately From  
Instrument Kits.**

### Staple Prep Kits

Each kit contains:

Insertor (Implant Packaged Separately)

Drill Guide

Tamp

3.2mm Reamer

Fixation Pins (2 ea.)

### Staple Prep Kit Options

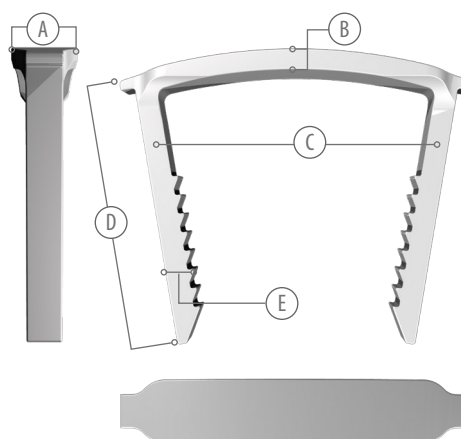
Part Number	Description
7100-1500	15mm Staple Prep Kit
7100-1800	18mm Staple Prep Kit
7100-2000	20mm Staple Prep Kit
7100-2500	25mm Staple Prep Kit

### HiMax Plus Single Pack Implants

7415-1515	Single Packed HiMax Plus 15x15 Implant
7418-1818	Single Packed HiMax Plus 18x18 Implant
7420-2020	Single Packed HiMax Plus 20x20 Implant
7425-2222	Single Packed HiMax Plus 25x22 Implant

### Product Specifications

**HiMax™ Plus**  
Widebody™ Fixation System



	Dimension	HiMax Plus Implant
Bridge Width	A	5mm
Bridge Thickness	B	1.3-1.6mm
Interaxis Length (between leg centers)	C	15,18 20,25mm
Leg Length	D	15,18 20,22 mm
Leg Cross-Section (without teeth)	E	1.7x2.7 (3.2ø)
Reamer Size		3.2mm
Compression		28lbs.
Relative Torsional Stability		1.5X Standard Staple

- Wide 5mm Bridge for enhanced torsional stability
- Low profile bridge thickness of 1.3-1.6mm
- Aligned with all HiMax™ design philosophies

### Implant Offerings



### Instrumentation



*\*Implant packaged separately.*



Optimized Curvature  
for Less Prominence

Market Leading  
Compression.

Winged Design for Flush  
Insertion & Reattachment.

What Do I Need To Cover A Case?

1 HiMax C Kit (Implants & Instruments Included)

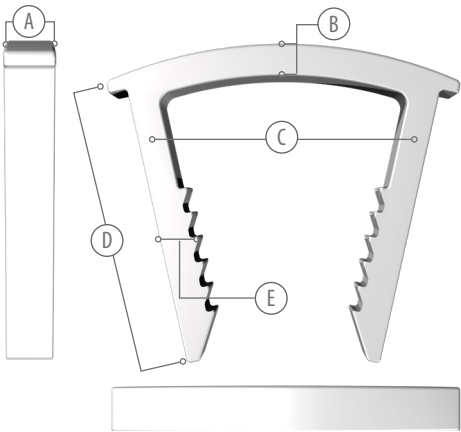
Implants Are Preloaded Onto Inserters  
In Packaging.

Part Number	Description
Each kit contains:	
2400XX-EP	DynaForce HiMax C Clip
24510X	DynaForce Standard Inserters
24505X	DynaForce Drill Guide
246002	DynaForce Reamer
247002	Staple Temp Fixation Pins
245065	Tamp

Part Number	Description
7118-1414KT-C	18x14x14 HiMax C
7118-1818KT-C	18x18x18 HiMax C
7118-2020KT-C	18x20x20 HiMax C

Product Specifications

HiMax™ C  
Compression Fixation System



Dimension		7118-1818
Part Number		7118-1818
Bridge Width	A	2.7mm
Bridge Thickness	B	1.8mm
Interaxis Length (between leg centers)	C	18mm
Leg Length	D	14,18 20mm
Leg Cross-Section (without teeth)	E	1.7x2.7 (3.2ø)
Reamer Size		3.2mm
Compression		27lbs.
Curvature		Maintains a 10° Bridge Curvature

- Optimized anatomic curvature for lower prominence
- Designed for use with DynaForce Lapidus SCPs or based on surgeon preference
- Aligned with all HiMax™ design philosophies

Implant Offerings



Instrumentation





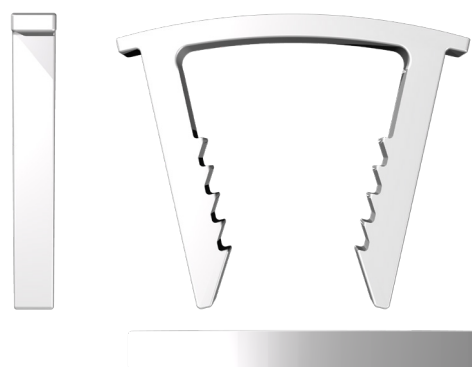
**Designed  
For Small Spaces.**

**Low Profile.**

**Flush Insertion  
& Reattachable.**

## Product Specifications

**Motoclip MAX™**  
Compression Fixation System



	9x9	12x12	15x15
<b>Part Number (Single)</b>	7009-0909	7012-1212	7015-1515
<b>Part Number (Kit)</b>	7009-0909KT	7012-1212KT	7015-1515KT
<b>Interaxis Length</b>	9.0mm	12.0mm	15.0mm
<b>Leg Length</b>	9.0mm	12.0mm	15.0mm
<b>Reamer Size</b>	2.2mm	2.2mm	2.7mm
<b>Compression</b>	7lbs.	4-5lbs.	8lbs

## What Do I Need To Cover A Case?

1 MotoClip Max Staple Kit  
(Implant & Instruments All Included)

**Implants Are Preloaded Onto Inserters  
In Packaging.**

**MotoClip MAX Kit Contains:**

Part Number	Description
Each kit contains:	
2400XX-EP	DynaForce Motoclip Max Clip
24510X	DynaForce Standard Inserters
24505X	DynaForce Drill Guide
246002	DynaForce Reamer
247002	Staple Temp Fixation Pins
245065	Tamp

**Motoclip Max Kit Options:**

7009-0909KT	9x9 MotoClip Max
7012-1212KT	12x12 MotoClip Max
7015-1515KT	15x15 MotoClip Max

## Implant Offerings



## Instrumentation





**Offset Step Geometry.**

**Market Leading  
Compression.**

**Robust  
Instrument Suite.**

### What Do I Need To Cover A Case?

1-Step Staple Inserter Kit  
(Implant Included)

1-Step Staple Instrument Kit:7200-STBPKT

**Individually Packaged Implants  
Available By Request.**

**Step Staple Instrument Kit 7200-STBPKT**  
This Kit Includes:

Part Number	Description
246002	3.2 Drill Bit
248210	Universal Threaded Handle
248200	Depth Indicator / Tamp
247002	Fixation Pins (2)
248202	Step Drill Guide
248205	Drill / Cut Guide

**Step Staple Inserter Kit**  
These Kits Include:

Inserter

Step Staple Implant

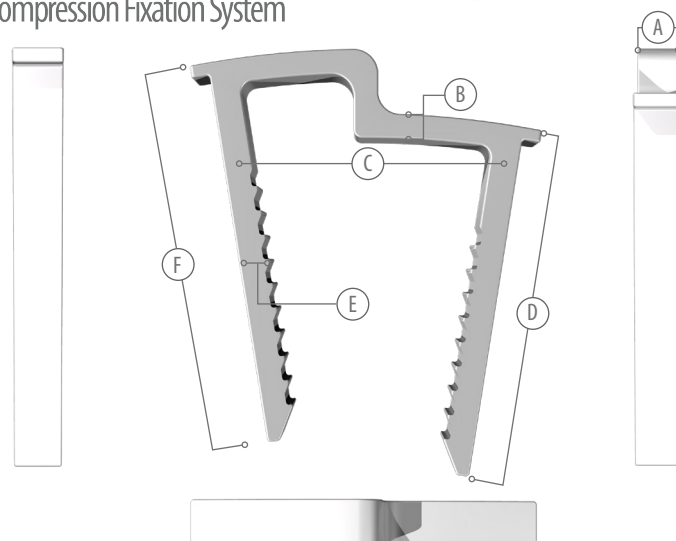
**Step Staple Inserter Kit Options:**

Kit Number	Description
7200-ST04KT	4mm Step Staple Kit
7200-ST06KT	6mm Step Staple Kit
7200-ST08KT	8mm Step Staple Kit
7200-ST10KT	10mm Step Staple Kit
7200-ST12KT	12mm Step Staple Kit

### Product Specifications

## STEP Staple

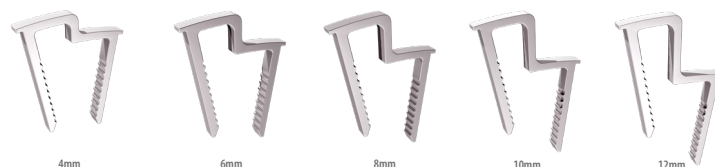
Compression Fixation System



		4mm	6mm	8mm	10mm	12mm
<b>Part Number</b> (Single Pack)		7200-ST04	7200-ST06	7200-ST08	7200-ST10	7200-ST12
<b>Part Number</b> (Kit)		7200-ST04KT	7200-ST06KT	7200-ST08KT	7200-ST10KT	7200-ST12KT
<b>Interaxis Length</b>	C	18mm	18mm	18mm	18mm	18mm
<b>Anterior Leg Length</b>	F	24mm	24mm	24mm	24mm	24mm
<b>Posterior Leg Length</b>	D	22mm	22mm	22mm	22mm	22mm
<b>Reamer Size</b>		3.2mm	3.2mm	3.2mm	3.2mm	3.2mm
<b>Max Clip Thickness</b>	A	2.72mm	2.72mm	2.72mm	2.72mm	2.72mm
<b>Leg Width</b>	E	1.78mm	1.78mm	1.78mm	1.78mm	1.78mm
<b>Bridge Height</b>	B	1.52mm	1.52mm	1.52mm	1.52mm	1.52mm

- Offset legs for unique pathologies available in 5 sizes
- Aligned with all HiMax™ design philosophies

### Implant Offerings



### Instrumentation



# COMPREHENSIVE NITROL System