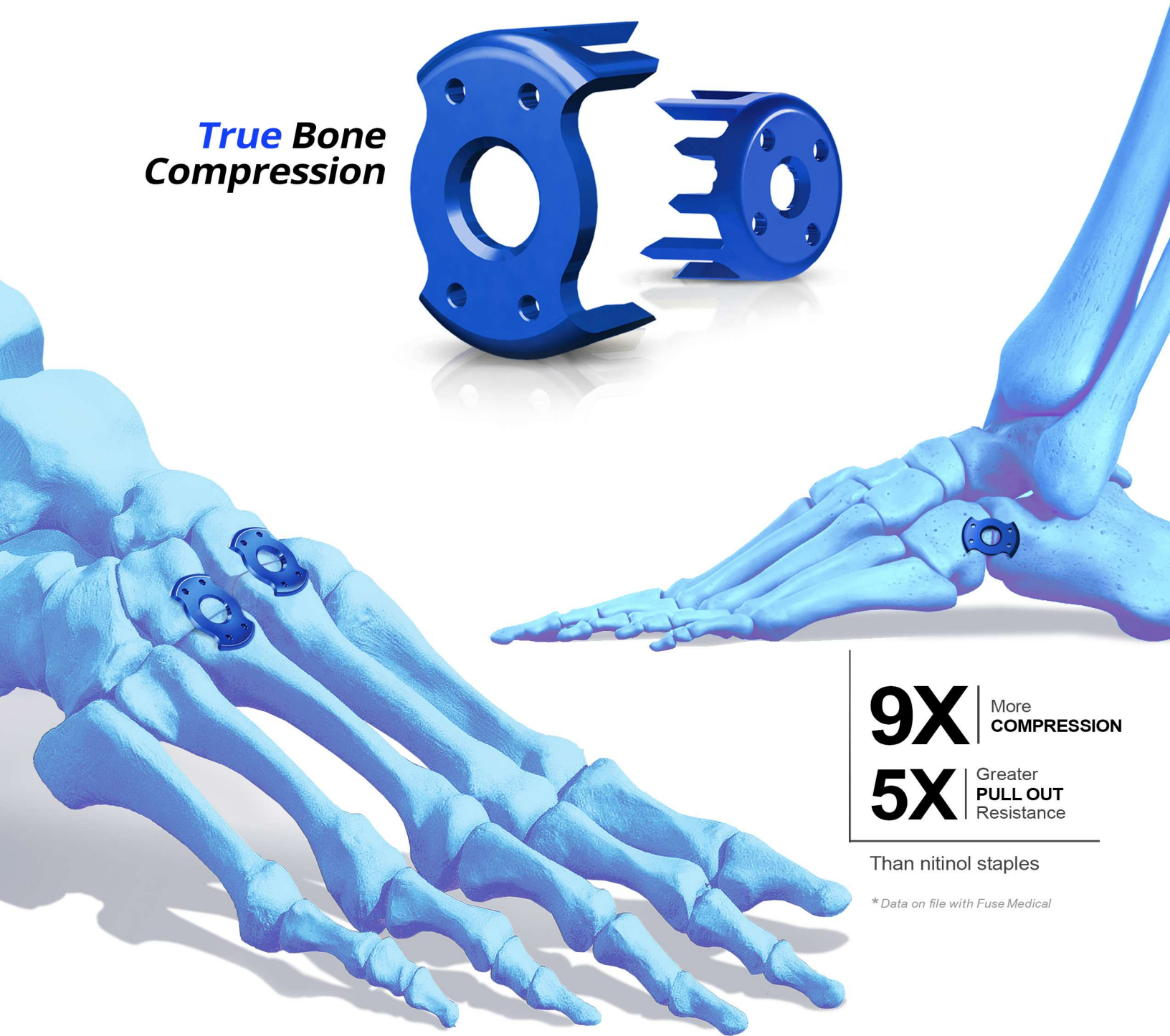
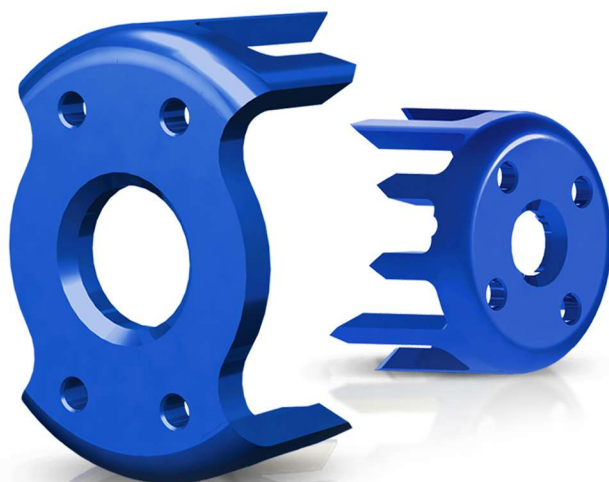


fuse ORBITUMTM

STAPLE SYSTEM

**True Bone
Compression**



9X | More
COMPRESSION

5X | Greater
PULL OUT
Resistance

Than nitinol staples

* Data on file with Fuse Medical

A NEW WAY TO COMPRESS

- **Multi-axial mechanical compression**
- **9x more compression** than nitinol staples
- **Unique delivery system** for soft and hard bone
- **Enhanced geometries** for superior bone purchase
- **5X greater pull-out resistance** than comparable staples
- **Titanium Ti-6AL-4V-ELI**, appropriate for nickel sensitive patients



Surgical Technique



STEP 1 - Implant Size Selection

Use Intraoperative Sizer to determine appropriate size, position, orientation and configuration of staple.

Optional Planer – Drive a K Wire into center of the fusion site. Advance the Planer over the K Wire down to the bone surface and ream the bone to the laser mark depth stop on the side of the Planer.



STEP 2 - Hole Preparation - Punch Method
Use corresponding size Punch for implant selected. Align points for desired orientation of the implant. Mallet the Punch to pierce the cortex with the points.

Optional Drill Method – Instead of Punch, use Drill to pierce the cortex through all holes required in corresponding size Drill Template.



STEP 3 - Initial Insertion

Load staple onto corresponding size Inserter. Align legs with the pre-drilled holes in the previously determined orientation. Impact Inserter with mallet until monocortical spikes make contact with the bone. Remove inserter.



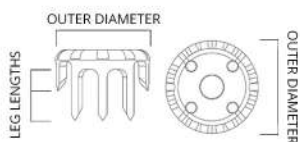
STEP 4 - Final Seating

Perform final seating using the Tamp, mating the tapered nose of the Tamp with chamfer of the implant's center hole, or by tapping around bridge of the implant with Tamp until implant firmly enters the bone.

Staple Dimensions

ALL DIMENSIONS IN MILLIMETERS

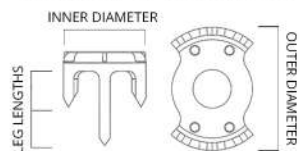
Orbitum X (Round)



Part Number	Product Description
FO-1000-1208	Orbitum X Round Staple, 12mm
FO-1000-1610	Orbitum X Round Staple, 16mm
FO-1000-2012	Orbitum X Round Staple, 20mm
FO-1000-2414	Orbitum X Round Staple, 24mm

Outer Diameter	12	16	20	24
Bridge Thickness	1.0	1.05	1.30	1.50
Long Leg Length	7.95	10.55	12.95	15.38
Short Leg Length	4.2	5.55	6.70	7.78
Long Leg Thickness (width x depth)	1.1 X 1.0	1.4 X 1.05	1.75 X 1.3	1.97 X 1.50
Short Leg Thickness (width x depth)	1.25 X 1.0	1.65 X 1.05	2.05 X 1.3	2.45 X 1.50

Orbitum VI (Hourglass)



Part Number	Product Description
FO-1001-1208	Orbitum X Hourglass Staple, 12mm
FO-1001-1610	Orbitum X Hourglass Staple, 16mm
FO-1001-2012	Orbitum X Hourglass Staple, 20mm
FO-1001-2414	Orbitum X Hourglass Staple, 24mm

Diameter (outer x inner)	12 X 8	16 X 10.7	20 X 13.35	24 X 16
Bridge Thickness	1.35	1.35	1.35	1.35
Long Leg Length	7.5	10	12.5	15
Short Leg Length	3.75	5	6.25	7.50
Long Leg Thickness (width x depth)	1.1 X 1.0	1.4 X 1.05	1.75 X 1.3	1.97 X 1.50
Short Leg Thickness (width x depth)	1.25 X 1.0	1.65 X 1.05	2.05 X 1.3	2.45 X 1.50

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