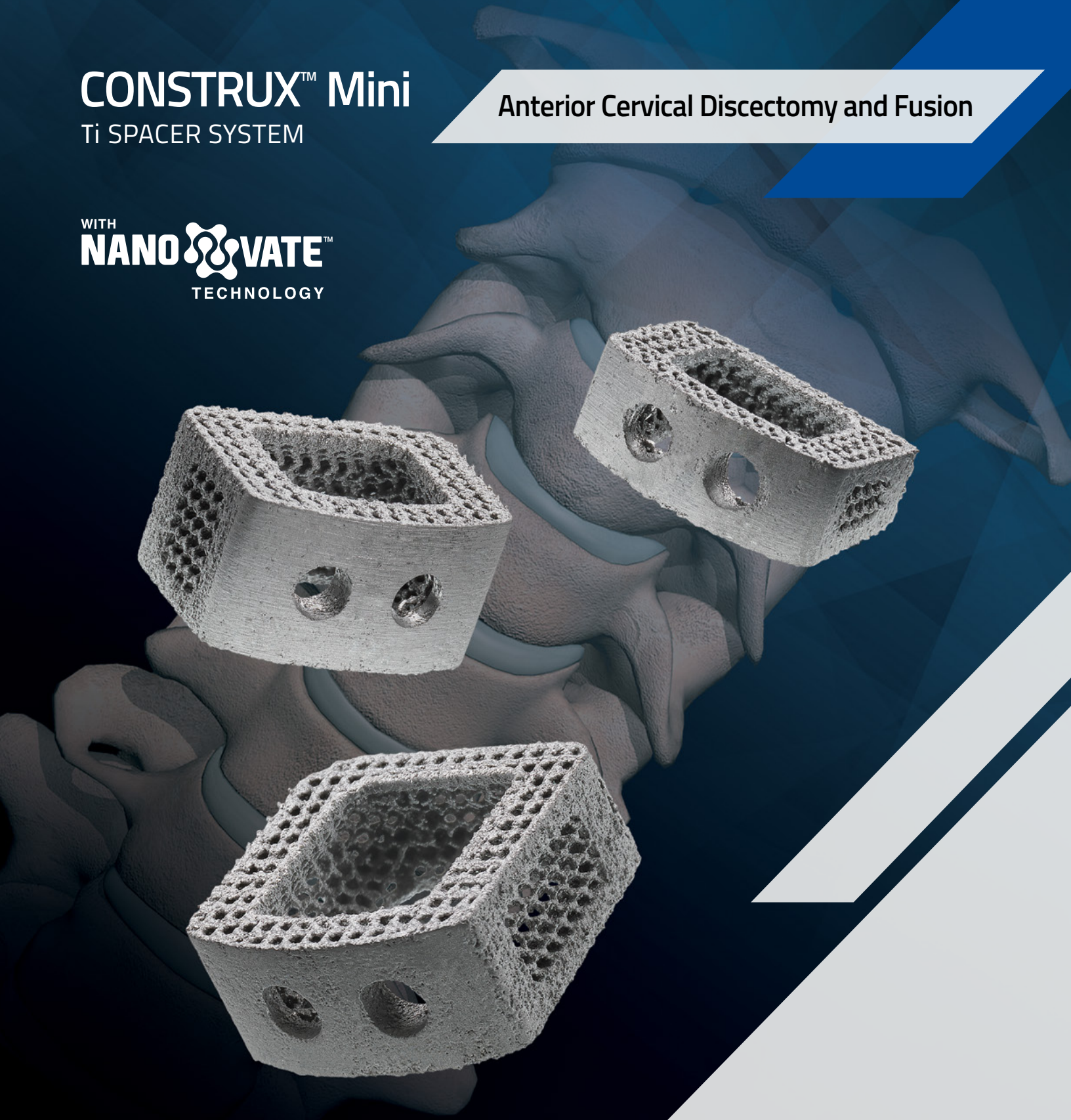
CONSTRUX™ Mini
Ti SPACER SYSTEM

Anterior Cervical Discectomy and Fusion

WITH NANOVATE™ TECHNOLOGY



ORTHOFIX® | SPINE

CONSTRUX™ Mini

Ti SPACER SYSTEM

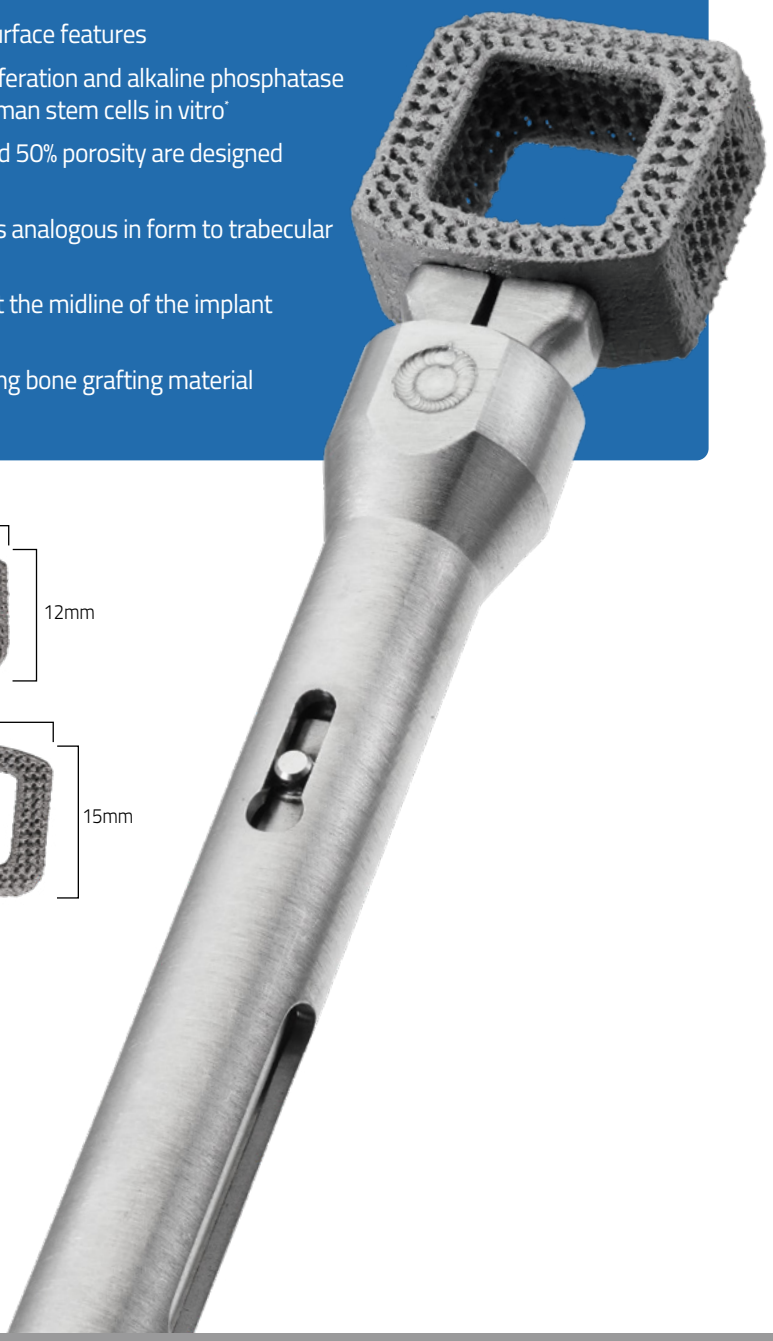
WITH NANOVATE™ TECHNOLOGY

3D-Printed Titanium Interbody with Porous Surface Technology

The CONSTRUX™ Mini Ti Spacer System with Nanovate™ Technology has been developed to enhance anterior cervical procedures with a 3D-printed titanium cervical interbody designed with a functional gradient porous structure. This implant has an optimized porosity and pore size which creates a 3D porous surface designed to help facilitate bone ingrowth**. The CONSTRUX Mini Ti Spacer System offers four footprints to address the cervical interbody fusion solution. The implants are available in both parallel and lordotic angles with heights of 5mm-12mm in one-millimeter increments.

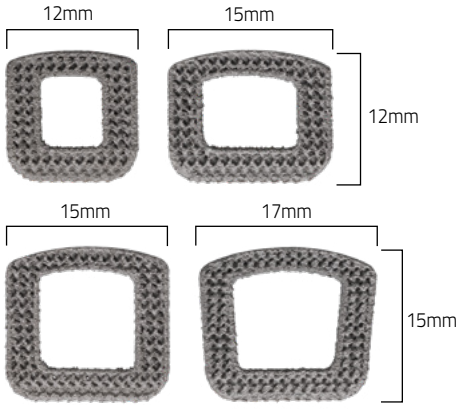
Design Advantages:

- 3D porous titanium with macro, micro, and nano-scale surface features
- The nano-scale surface has been shown to increase proliferation and alkaline phosphatase activity (an early osteogenic differentiation marker) in human stem cells in vitro*
- 3D-printed titanium endplates with 400 micron pores and 50% porosity are designed to help facilitate bone ingrowth**
- The endplates consist of interconnected gyroid structures analogous in form to trabecular bone which provide an open porous environment
- Functional gradient porous structure with 80% porosity at the midline of the implant allows for increased fluoroscopic visualization
- Large center opening with concaved inner walls for packing bone grafting material



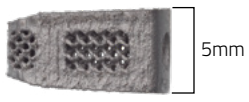
4 Footprints

- 12mm x 12mm
- 15mm x 12mm
- 15mm x 15mm
- 17mm x 15mm



Parallel and Lordotic (5°)

- 5mm-12mm heights
- 1mm increments

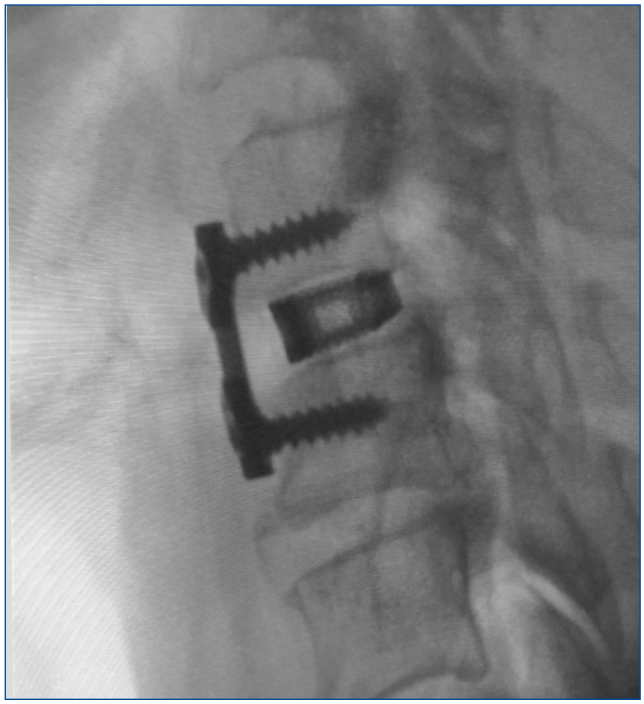


Lordotic (10° and 15°)

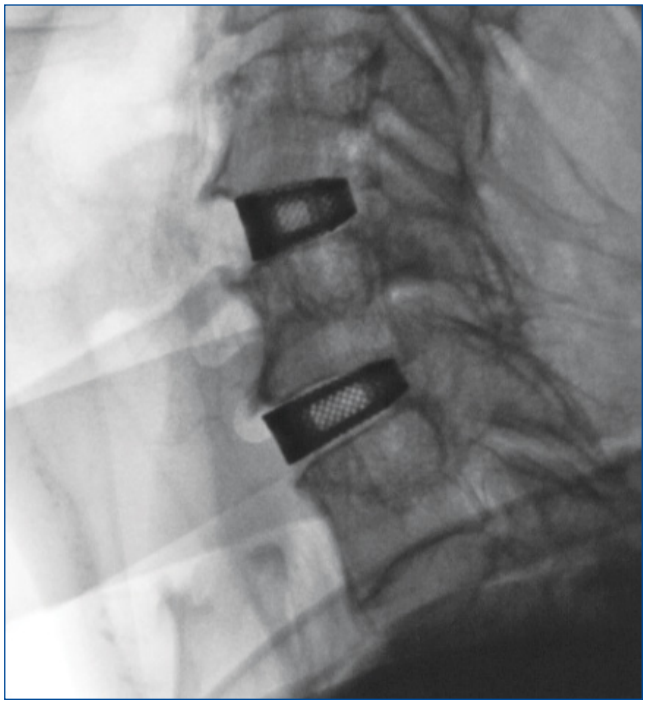
- 6mm-12mm heights
- 1mm increments

*In vitro performance may not be representative of clinical performance.
**As suggested in an in-vivo ovine lumbar spinal fusion model.

CONSTRUX Mini Ti Fluoroscopic Images



Lateral fluoroscopy of CONSTRUX Mini Ti IBD with CETRA Anterior Cervical Plate



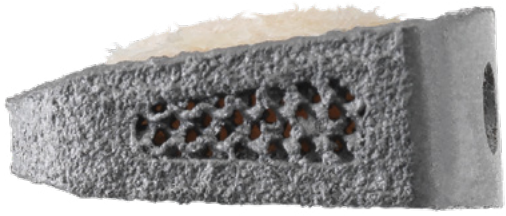
Lateral fluoroscopy of CONSTRUX Mini Ti two-level IBD

Combining Innovative Technologies* for Anterior Cervical Fusion

*CONSTRUX Mini Ti packed with Trinity ELITE™ Allograft****

Graft Packing Area

12 x 12 = 0.24 – 0.65cc based on height**
15 x 12 = 0.33 – 0.90cc based on height**
15 x 15 = 0.43 – 1.26cc based on height**
17 x 15 = 0.49 – 1.45cc based on height**



*The CONSTRUX Mini Ti Spacer System is intended for use with autograft and/or allograft comprised of cancellous and/or corticocancellous bone graft

**See graft volume chart in CONSTRUX Mini Spacer System Operative Technique (OP-47-9903)

***Trinity ELITE Allograft is exclusively processed by MTF Biologics

Please visit Orthofix.com/IFU for full information on indications for use, contraindications, warnings, precautions, adverse reactions and sterilization.

Caution: Federal law (USA) restricts this device to sale by or on the order of a physician. Proper surgical procedure is the responsibility of the medical professional. Operative techniques are furnished as an informative guideline. Each surgeon must evaluate the appropriateness of a technique based on his or her personal medical credentials and experience.

Orthofix
3451 Plano Parkway
Lewisville, Texas 75056-9453 USA
1.214.937.3199
1.888.298.5700
www.orthofix.com

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