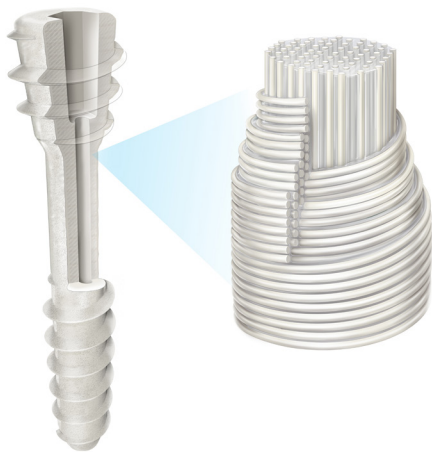


OSSIOfiber[®] Compression Screws

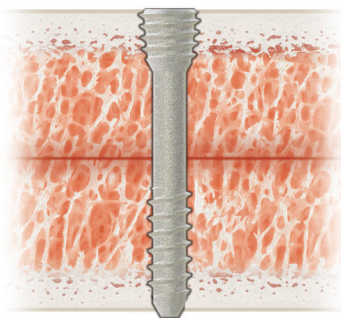
Superior Fixation meets Better Bone Healing.

Bio-Integrative OSSIOfiber[®] Compression Screws deliver superior performance to conventional metal screws¹⁻² and gradually integrate fully into bone³, for a true return to full strength and a total healing that other implants simply can't provide.



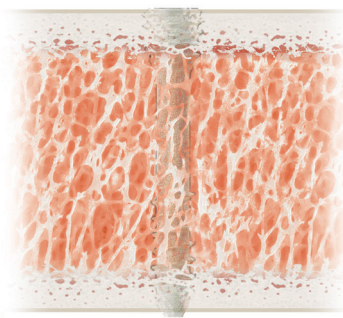
Comprised of OSSIOfiber[®] Intelligent Bone Regeneration Technology

Natural mineral fiber matrix and a PLDLA mixture are engineered to achieve the optimal balance of flexural, torque, axial, and shear strength for Compression Screws



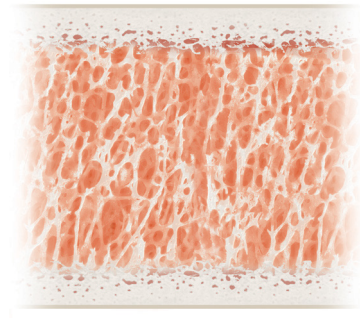
Surgery

Outperforms Conventional
Metal Compression Screws¹⁻²



Post-Operative Healing

Gradual Bone Integration
and Load Sharing



Long Term Healing

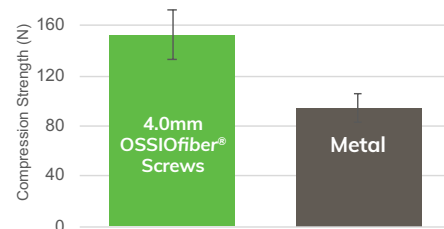
Only Nature Remains

OSSIOfiber® Compression Screw

Confidently swap conventional metal compression screws for OSSIOfiber®. The design features and OSSIOfiber® Intelligent Bone Regeneration Technology deliver superior performance, fit seamlessly into existing surgical techniques, and avoid the risks and complications associated with permanent hardware.



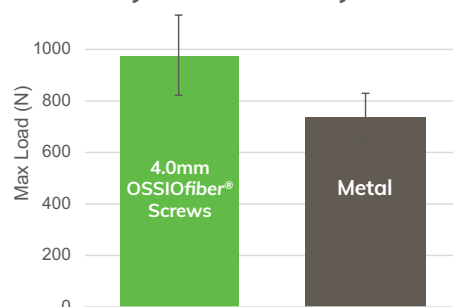
SUPERIOR compression strength¹



SUPERIOR pull-out resistance²



EQUIVALENT shear and flexural stability in an osteotomy construct⁴



Sterile, Disposable Instrumentation

Sterile, Disposable Instrumentation System

Streamline OR preparation and reduce unnecessary exposure to pathogens with the use of sterile, disposable instrumentation.

- AO Quick Connect Handle
- Cannulated Depth Gauge / Countersink
- Drill Guide
- Cannulated Drill Bit
- Cannulated Tap
- Cannulated Hex (4.0) or Square (3.5) Driver
- 6 K-Wires



Don't Just Fix it with Conventional Metal – Heal It Naturally with Bio-Integrative OSSIOfiber®



SURGERY



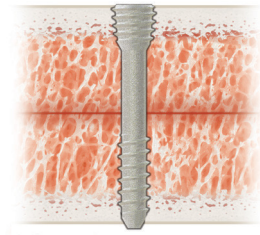
BASIC COMPRESSION AND FIXATION



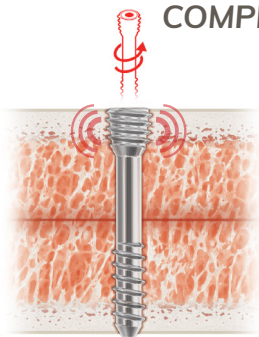
Conventional Metal
implants' best
performance comes
at 'Time 0'

SUPERIOR COMPRESSION AND PULL-OUT RESISTANCE¹⁻²

Equivalent shear
and flexural stability
in an osteotomy
construct⁴



COMPROMISED FUSION AND HEALING



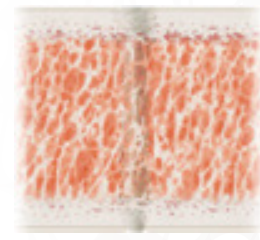
Permanent metal
implants can obstruct
up to 24% of the fusion
surface area⁵

Permanent metal
implants have
increased risk of
micromotion, screw
back-out, and
stress shielding⁶

POST-OP HEALING

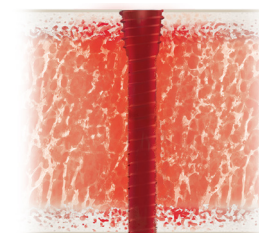
UNOBSTRUCTED, COMPLETE FUSION DELIVERS BETTER BONE HEALING

Up to 5X increased
surface area available
for bone integration
may contribute to a
more stable construct⁵



Progressive load
transfer enables
a true return to
full strength

1 IN 4 PATIENTS REQUIRE REMOVAL SURGERY⁶

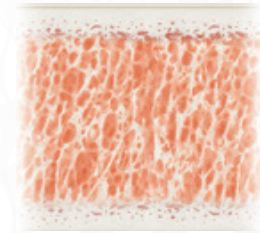


1 in 4 F&A patients
have permanent
hardware removed⁶
resulting in 15%
complication rate⁷

LONG TERM HEALING

ONLY NATURE REMAINS

Full integration into
native anatomy
with no adverse
inflammation³



Indications

Confidently Swap Metal for OSSIOfiber®

The OSSIOfiber® Compression Screws are indicated for maintenance of alignment and fixation of bone fractures, comminuted fractures, fragments, osteotomies, arthrodesis, and bone grafts, of the upper extremity, fibula, knee, ankle and foot in the presence of appropriate brace and/or immobilization in adults and children (2-12 years) and adolescents (12-21 years) in which growth plates have fused or in which growth plates will not be crossed by fixation.

Choose strong and bio-integrative OSSIOfiber® Compression Screw over conventional, metal compression screws.

3.5mm

Description	Product Code
OSSIOfiber® Compression Screw 3.5X12 mm	OF1073512S
OSSIOfiber® Compression Screw 3.5X14 mm	OF1073514S
OSSIOfiber® Compression Screw 3.5X16 mm	OF1073516S
OSSIOfiber® Compression Screw 3.5X18 mm	OF1073518S
OSSIOfiber® Compression Screw 3.5X20 mm	OF1073520S
OSSIOfiber® Compression Screw 3.5X22 mm	OF1073522S
OSSIOfiber® Compression Screw 3.5X24 mm	OF1073524S
OSSIOfiber® Compression Screw 3.5X26 mm	OF1073526S
OSSIOfiber® Compression Screw 3.5X28 mm	OF1073528S
OSSIOfiber® Compression Screw 3.5X30 mm	OF1073530S
OSSIOfiber® Compression Screw 3.5X32 mm	OF1073532S
OSSIOfiber® Compression Screw 3.5X34 mm	OF1073534S
OSSIOfiber® Compression Screw 3.5X36 mm	OF1073536S
OSSIOfiber® Compression Screw 3.5X38 mm	OF1073538S
OSSIOfiber® Compression Screw 3.5X40 mm	OF1073540S
OSSIO® Compression Screw Instruments, For 3.5 mm Screws	THN00132

4.0mm

Description	Product Code
OSSIOfiber® Compression Screw 4.0 x 26mm	OF1024026S
OSSIOfiber® Compression Screw 4.0 x 28mm	OF1024028S
OSSIOfiber® Compression Screw 4.0 x 30mm	OF1024030S
OSSIOfiber® Compression Screw 4.0 x 32mm	OF1024032S
OSSIOfiber® Compression Screw 4.0 x 34mm	OF1024034S
OSSIOfiber® Compression Screw 4.0 x 36mm	OF1024036S
OSSIOfiber® Compression Screw 4.0 x 38mm	OF1024038S
OSSIOfiber® Compression Screw 4.0 x 40mm	OF1024040S
OSSIOfiber® Compression Screw 4.0 x 42mm	OF1024042S
OSSIOfiber® Compression Screw 4.0 x 44mm	OF1024044S
OSSIOfiber® Compression Screw 4.0 x 46mm	OF1024046S
OSSIOfiber® Compression Screw 4.0 x 48mm	OF1024048S
OSSIOfiber® Compression Screw 4.0 x 50mm	OF1024050S
OSSIOfiber® Compression Screw 4.0 x 52mm	OF1024052S
OSSIOfiber® Compression Screw 4.0 x 54mm	OF1024054S
OSSIOfiber® Compression Screw 4.0 x 56mm	OF1024056S
OSSIOfiber® Compression Screw 4.0 x 58mm	OF1024058S
OSSIOfiber® Compression Screw 4.0 x 60mm	OF1024060S
OSSIO® Compression Screw Instruments, For 4.0mm Screws	THN00057

For more on OSSIO and OSSIOfiber, please visit ossio.io or call **833-781-7373**

1. In Vitro Initial Compression Strength Test. Data on File at OSSIO.
2. In Vitro Pull-Out Strength Test of 3.5x26mm OSSIOfiber Compression Screws. Data on File at OSSIO.
3. Pre-clinical animal studies (in-bone implantation of OSSIOfiber and PLDLA control in rabbit femurs). Data on File at OSSIO.
4. In Vitro Test in a Simulated Medial Malleolar Construct. Data on File at OSSIO.
5. In Vitro Data on File at OSSIO.
6. Kaiser, P. B., Watkins, I., Riedel, M. D., Cronin, P., Briceno, J., & Kwon, J. Y. (2019). Implant Removal Matrix for the Foot and AnkleOrthopaedic Surgeon. Foot & Ankle Specialist, 12(1), 79-97
7. Pot J, Wensen RV, Olsman J. Hardware Related Pain and Hardware Removal after Open Reduction and Internal Fixation of AnkleFractures. The Foot and Ankle Online Journal. 2011;4(5).

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