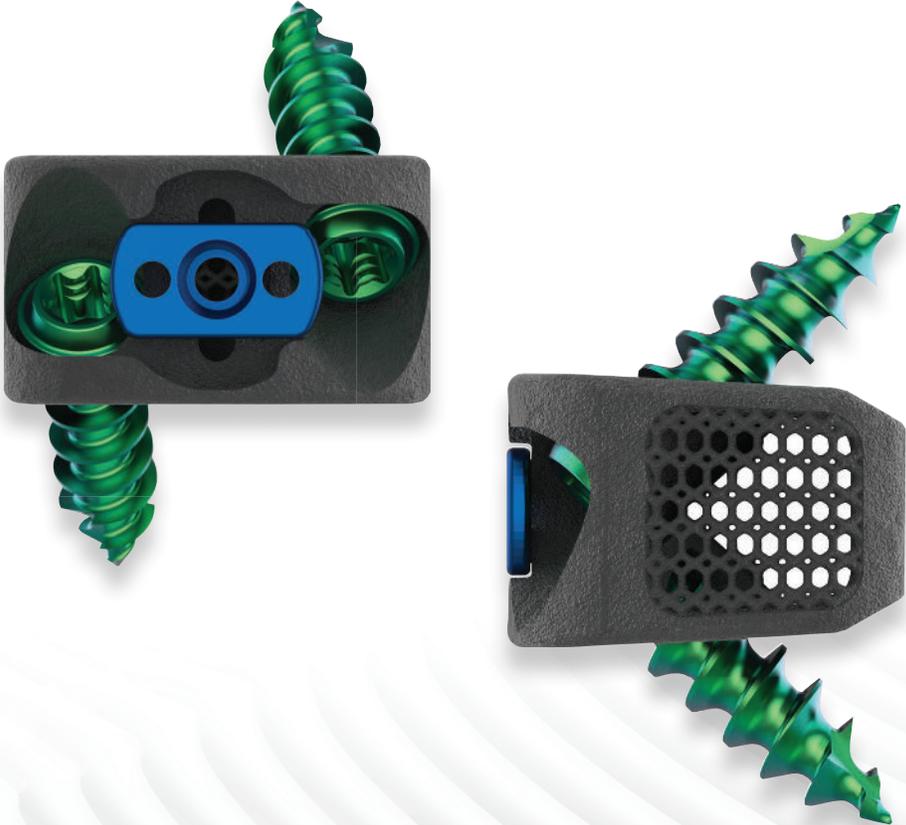


TrellOss™ -C SA

Porous Ti Interbody System

A New Foundation
For Growth



HIGHRIDGE

TrellOss-C SA

Porous Ti Interbody System

Porous Ti Interbody System

A 3D printed titanium interbody platform featuring a scaffold structure with 70% porosity and a 7 micron roughened surface topography to foster a cellular relevant environment for adhesion and bone ingrowth.¹

TrellOss-C SA Implant

- Possesses combined functionality and benefits of a cervical interbody and an anterior cervical plate.
- Implant is contained within the region of the excised disc space and is designed to not protrude past the mid-line edge of the vertebral bodies, reducing the amount of soft tissue damage or irritation.
- Implants are sterile-packed for reduced risk of contamination and hospital reprocessing costs.
- Roughened surface provides initial stabilization and integrated turn lock allows for visual confirmation of locked position.
- System offers guided and self-guided straight, fixed-angle, and poly-axial instruments to accommodate surgeon preference.

Interbody Sizes

HEIGHTS	FOOTPRINT	LORDOSIS
5 mm - 12 mm	12 mm x 15 mm	6° 10°* 15°**
5 mm - 12 mm	14 mm x 16 mm	6° 10°* 15°**
5 mm - 12 mm	16 mm x 18 mm	6° 10°* 15°**

Note: 10 mm-12 mm heights and 16 mm x 18 mm footprint are non-standard

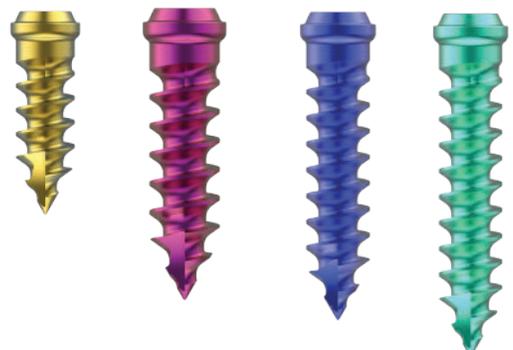
*10° only comes in 6-12 mm heights

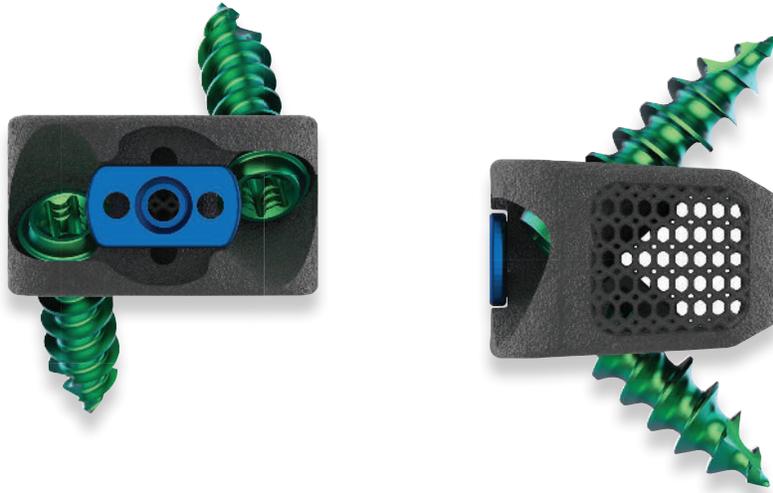
**15° only comes in 7-12 mm heights

Screw Sizes

DIAMETER	LENGTH
3.5 mm and 4.0 mm	12, 14, 16, and 18 mm

Note: Screws are color-coded by length and diameter





A New Foundation for Growth

Porosity

Open architecture with 70% porosity including varying pore sizes of 300, 500, and 700 microns that mimic cancellous bone allowing for a conducive environment for cellular activity^{1,5,6,7}

Structure

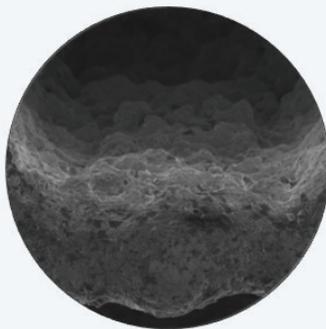
Scaffolding structure provides additional surface area^{2,3} and an elastic modulus similar to PEEK⁸

Texture

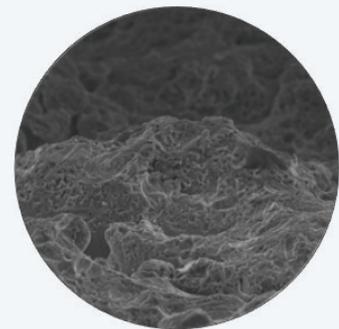
7 micron surface texturing enhances the wicking nature⁹ and creates an environment for potential cellular adhesion^{2,3,4}



SEM image of TrellOss Surface at 50x magnification



SEM image of TrellOss Surface at 100x magnification



SEM image of TrellOss Surface at 450x magnification

References

1. McGilvray KC, Easley J, Seim HB, et al. Bony ingrowth potential of 3D-printed porous titanium alloy: a direct comparison of interbody cage materials in an in vivo ovine lumbar fusion model. *Spine J* 2018;18(7):1250-1260.
2. Olivares-Navarrete R, Hyzy SL, Slosar PJ et al. Implant materials generate different peri-implant inflammatory factors: poly-ether-ether-ketone promotes fibrosis and microtextured titanium promotes osteogenic factors. *Spine* 2015;40(6):399 -404.
3. Olivares-Navarrete R, Hyzy SL, Gittens RA, et al. Rough titanium alloys regulate osteoblast production of angiogenic factors. *Spine J* 2013;13(11):1563 -70.
4. Rao PJ, Pelletier MH, Walsh WR, et al. Spine Interbody Implants: Material Selection and Modification, Functionalization and Bioactivation of Surfaces to Improve Osseointegration. *Orthop Surg* 2014;6:81 -89.
5. Ponader S, von Wilmsowky C, Widenmayer M, et al. In vivo performance of selective electron beam-melted ti-6al-4v structures. *J Biomed Mater Res A* 2010;92A:56 -62.
6. Li JP, Habibovic P, et al.: Bone ingrowth in porous titanium implants produced by 3D fiber deposition. *Biomaterials* 2007;28:2810.
7. Karageorgiou V, Kaplan D. Porosity of 3D biomaterial scaffolds and osteogenesis. *Biomaterials* 2005;26(27):5474 -91.
8. Permeswaran, V., (2019) Elastic Modulus Characterization of Porous Titanium TrellOss™ Structure, 2922.1-GLBL-en-REV1219, ZimVie Spine, Westminster, CO
9. Permeswaran, V., (2019) Measuring the Wicking Nature of Porous Titanium TrellOss™ Structure, 2921.1-GLBL-en-REV1219, ZimVie Spine, Westminster, CO

For more information visit highridgemedical.com

Highridge Medical
10225 Westmoor Drive
Westminster, CO 80021



Manufactured by:
Nexxt Spine, LLC
14425 Bergen Blvd, Suite B
Noblesville, IN 46060



HIGHRIDGE
CONFIDENCE THAT MOVES

Unless otherwise indicated, as referenced herein, all trademarks and intellectual property rights are the property of Highridge Medical, LLC or an affiliate; and all products are manufactured by one or more of the spinal subsidiaries of Highridge Medical, LLC and marketed and distributed by its authorized marketing partners. Please refer to the Instructions for Use, package labeling, and applicable Surgical Technique Guide. Product clearance and availability may be limited to certain countries/regions. This material does not comprise medical advice or recommendations. Distribution to any other recipient is prohibited. This material may not be copied or reprinted without the express written consent of Highridge Medical. HM0563-US-EN-2026.01 ©2026 Highridge Medical, LLC.