NEXXT Spine
GROW WITH US

Product Brochure
NEXXT MATRIXX® Lateral

NEXXT MATRIXX® Technology

STRUXXURE®-L Integration

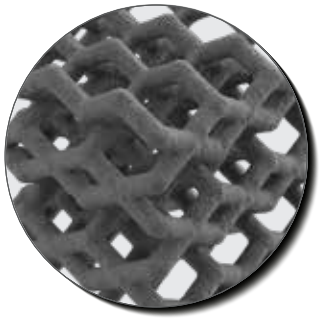
Instrument Options

GROW WITH US

NEXXT MATRIXX®
3D Printed Porous Titanium

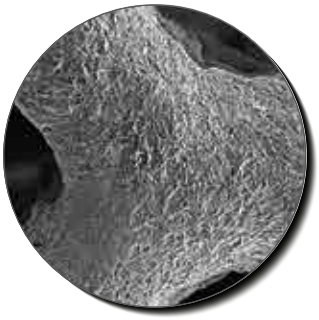
NEXXT MATRIXX®
3D Printed Porous Titanium

10X



Systematic Titanium
PORES

300X



Uncompromising
MACROSURFACE

10,000X

7µm Surface
MICROSURFACE

Pillars of NEXXT MATRIXX® Technology:

1. 7µm surface roughness designed to increase osteoblast differentiation, production of angiogenic factors, and surface osteointegration.[2,3,6]
2. Varied pore array of 300, 500, and 700µm designed to support vascularization and osteogenesis.[1,4,5]
3. 75% Porous, open titanium architecture developed for greater surface area and nutrient exchange, leading to increased volume for potential boney in-growth.[4,5,6]
4. Modulus of elasticity engineered to be comparable to PEEK devices leading to a more physiological product.[6]
5. 700µm A/P and lateral lattice geometry designed to provide robust radiographic imaging unimpeded by reducing overall titanium material and device density.[6]

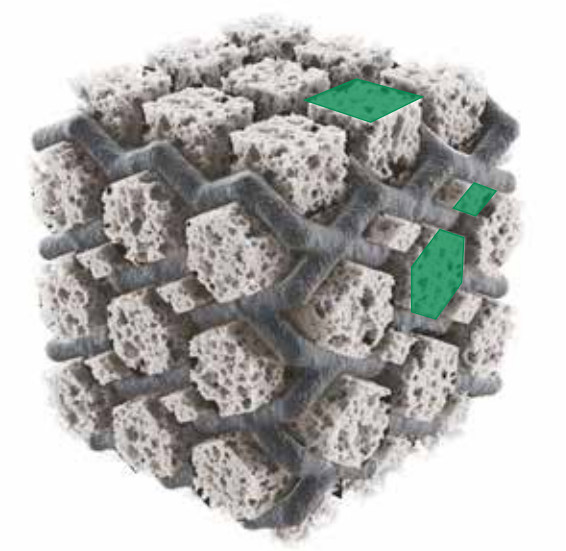
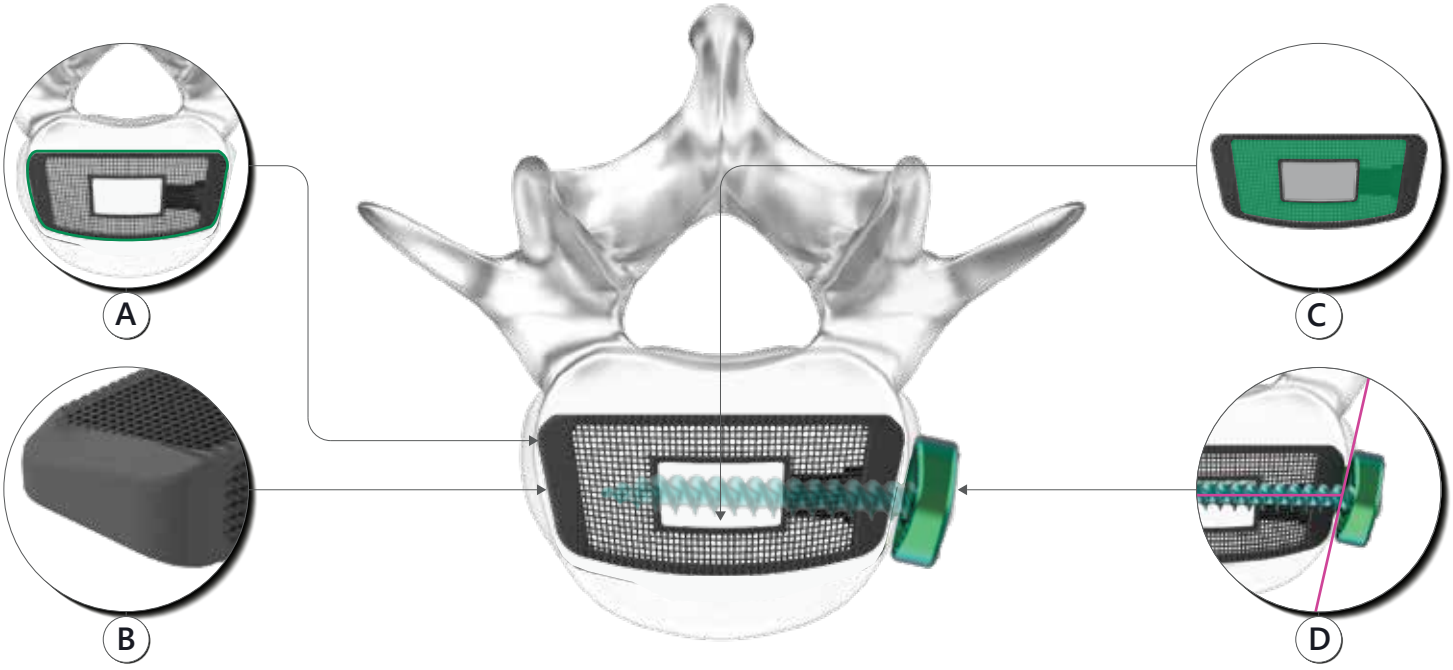


Image above used to illustrate available volume for bony ingrowth.

Studies referenced for the foundational design of NEXXT MATRIXX®:
1. Karageorgiou V, Kaplan D. Porosity of 3D biomaterial scaffolds and osteogenesis. Biomaterials. 2005;26(27):5474–91.
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. Ponader S, von Wilmowsky 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
5. Li JP, Habibovic P, et al.: Bone ingrowth in porous titanium implants produced by 3D fiber deposition. Biomaterials 28:2810, 2007.
6. Data on file at Nexxt Spine, LLC.

PRODUCT FEATURES

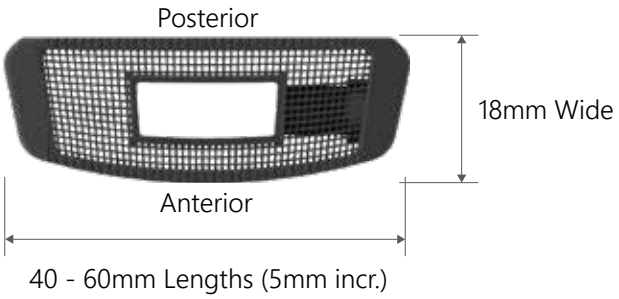
- **A** Anatomically matched profile designed to provide appropriate endplate coverage and placement on apophyseal rim for stability.
- **B** Bulleted nose design simplifies insertion in collapsed degenerative discs without compromising the apophyseal rim.
- **C** Ample graft window balanced with lattice landscape designed to create environment for bone growth and is based on published data.
- **D** Intentional angle design on implant compatible with STRUXXURE®-L for single position procedural solution.
- **E** Instrumentation provides intraoperative flexibility with oblique and angled instrumentation.

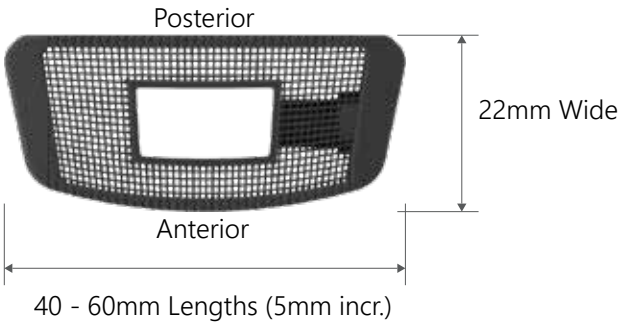


Straight **Oblique (OLIF)** **Left & Right Angled**

CAGE SPECS

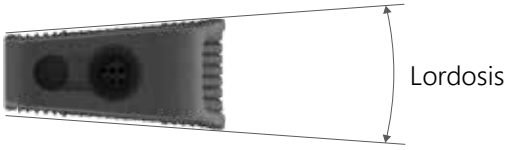
Footprints





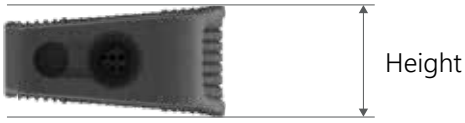
Lordoses

0°, 8°, 14°, and 20°



Heights

8, 10, 12, 14, 16, 18, and 20mm



Size Offering

Width x Length x Height x Lordosis

Key: Standard ✓ Made to Order ✓

W	L	H	0°	8°	14°	20°
18	40	08	✓	✓		
		10	✓	✓	✓	
		12	✓	✓	✓	✓
		14	✓	✓	✓	✓
		16	✓	✓	✓	✓
		18				✓
		20				✓
	45	08	✓	✓		
		10	✓	✓	✓	
		12	✓	✓	✓	✓
		14	✓	✓	✓	✓
		16	✓	✓	✓	✓
		18				✓
		20				✓
	50	08	✓	✓		
		10	✓	✓	✓	
		12	✓	✓	✓	✓
		14	✓	✓	✓	✓
		16	✓	✓	✓	✓
		18				✓
		20				✓
	55	08	✓	✓		
		10	✓	✓	✓	
		12	✓	✓	✓	✓
		14	✓	✓	✓	✓
		16	✓	✓	✓	✓
		18				✓
		20				✓
	60	08	✓	✓		
		10	✓	✓	✓	
		12	✓	✓	✓	✓
		14	✓	✓	✓	✓
		16	✓	✓	✓	✓
		18				✓
		20				✓

W	L	H	0°	8°	14°	20°
22	40	08	✓	✓		
		10	✓	✓	✓	
		12	✓	✓	✓	✓
		14	✓	✓	✓	✓
		16	✓	✓	✓	✓
		18				✓
		20				✓
	45	08	✓	✓		
		10	✓	✓	✓	
		12	✓	✓	✓	✓
		14	✓	✓	✓	✓
		16	✓	✓	✓	✓
		18				✓
		20				✓
	50	08	✓	✓		
		10	✓	✓	✓	
		12	✓	✓	✓	✓
		14	✓	✓	✓	✓
		16	✓	✓	✓	✓
		18				✓
		20				✓
	55	08	✓	✓		
		10	✓	✓	✓	
		12	✓	✓	✓	✓
		14	✓	✓	✓	✓
		16	✓	✓	✓	✓
		18				✓
		20				✓
	60	08	✓	✓		
		10	✓	✓	✓	
		12	✓	✓	✓	✓
		14	✓	✓	✓	✓
		16	✓	✓	✓	✓
		18				✓
		20				✓

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For indications, contraindications, warnings, precautions, potential adverse effects and patient counselling information, see the package insert or contact your local representative; visit NexxtSpine.com for additional product information.

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