



MODULUS ALIF

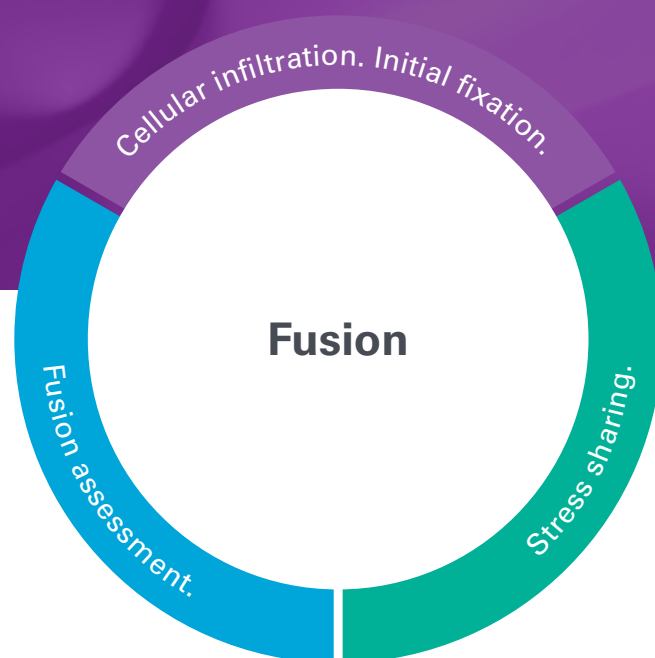
Redesigned interbody system
for Supine ALIF and XALIF





Adheres to the three core principles of Advance Materials Science (AMS)—**surface, structure and imaging.**

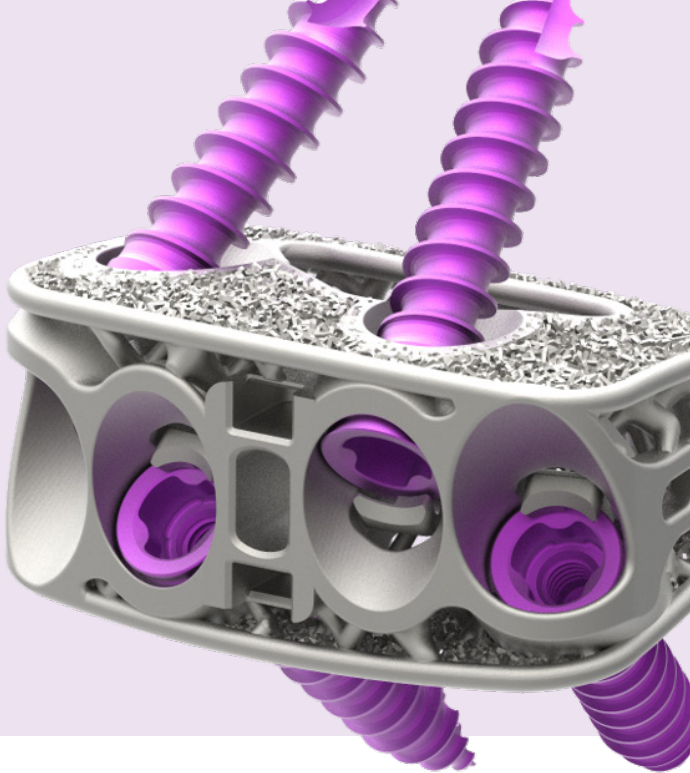
Modulus is intelligently designed for enhanced osseointegration,¹ biomechanical,¹ and imaging properties. Modulus ALIF implants are porous titanium (Ti) implants designed to provide a favorable environment for bone in-growth² while enhancing visualization compared to traditional Ti implants.



Modulus ALIF

Modulus technology integrates endplate porosity with an optimized body lattice structure providing a fully porous architecture and favorable environment for bone in-growth as shown in preclinical animal models.²

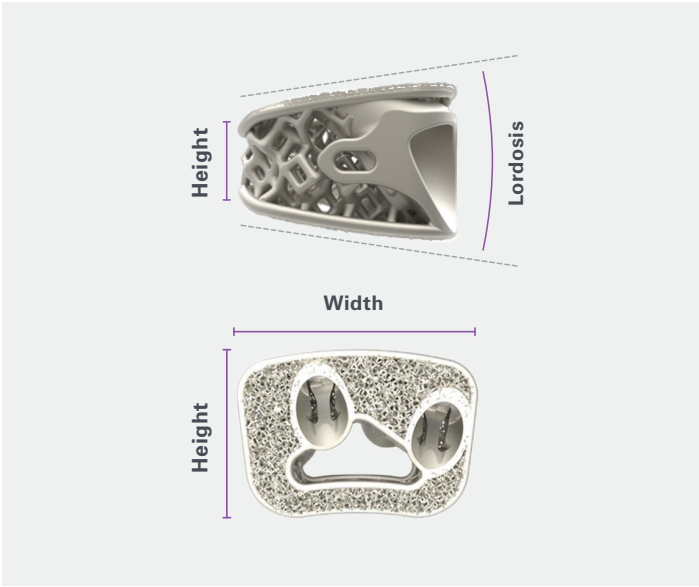
Optimized lattice structure designed for stiffness and strength characteristics to minimize stress shielding and subsidence.³



Sizing overview

Multiple implant footprints and lordosis options

- Four footprints for optimal placement, and posterior height restoration all while maintaining flush anterior placement
- Five lordotic options for anatomical restoration



Description	Posterior height	Lordosis	Footprint	Size
Standalone ALIF	6 mm		34x24 mm	Small
	8 mm	10°	38x28 mm	Medium
	10 mm	15°	42x32 mm	Large
	12 mm	20°	34x28 mm	Small deep
Hyperlordotic ALIF	6 mm		34x24 mm	Small
	8 mm	25°	38x28 mm	Medium
	10 mm	30°	42x32 mm	Large

*34x28 mm is not available in 12 mm height.

Trilobe screw design

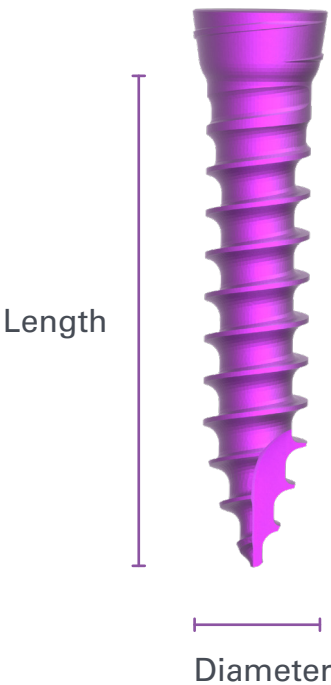
Trilobe screw design

- 5.0 and 6.0 mm screw diameters for **rigid fixation**
- Tri-lobe screw head designed to **resist stripping**

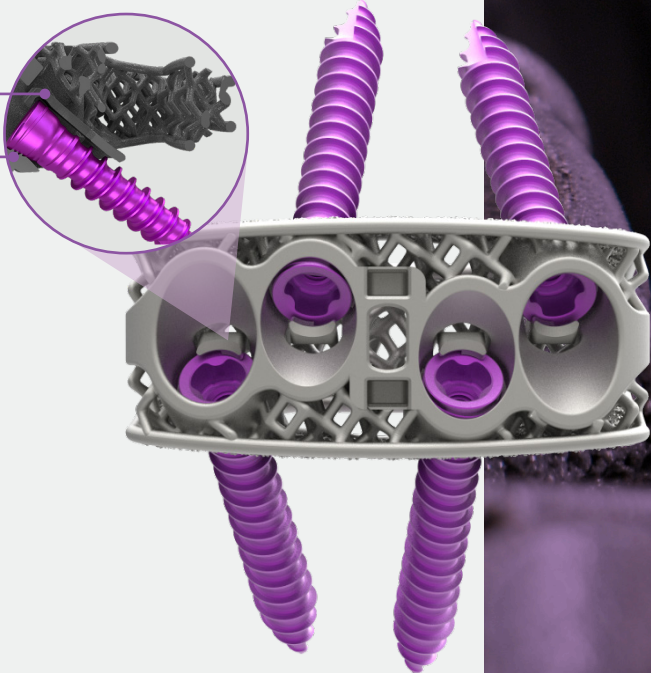
Size offering

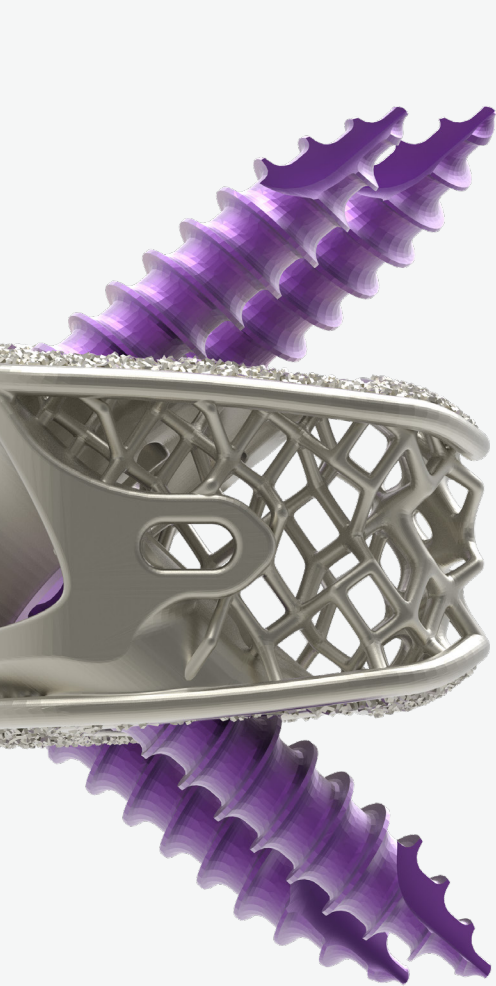
Diameter	Length
5.0 mm (magenta) 6.0 mm (green)	15 mm
	17.5 mm
	20 mm
	22.5 mm
	25 mm
	27.5 mm
	30 mm

*Length measurement indicates the length of screw in bone.



Latch
lock
Tactile
threads





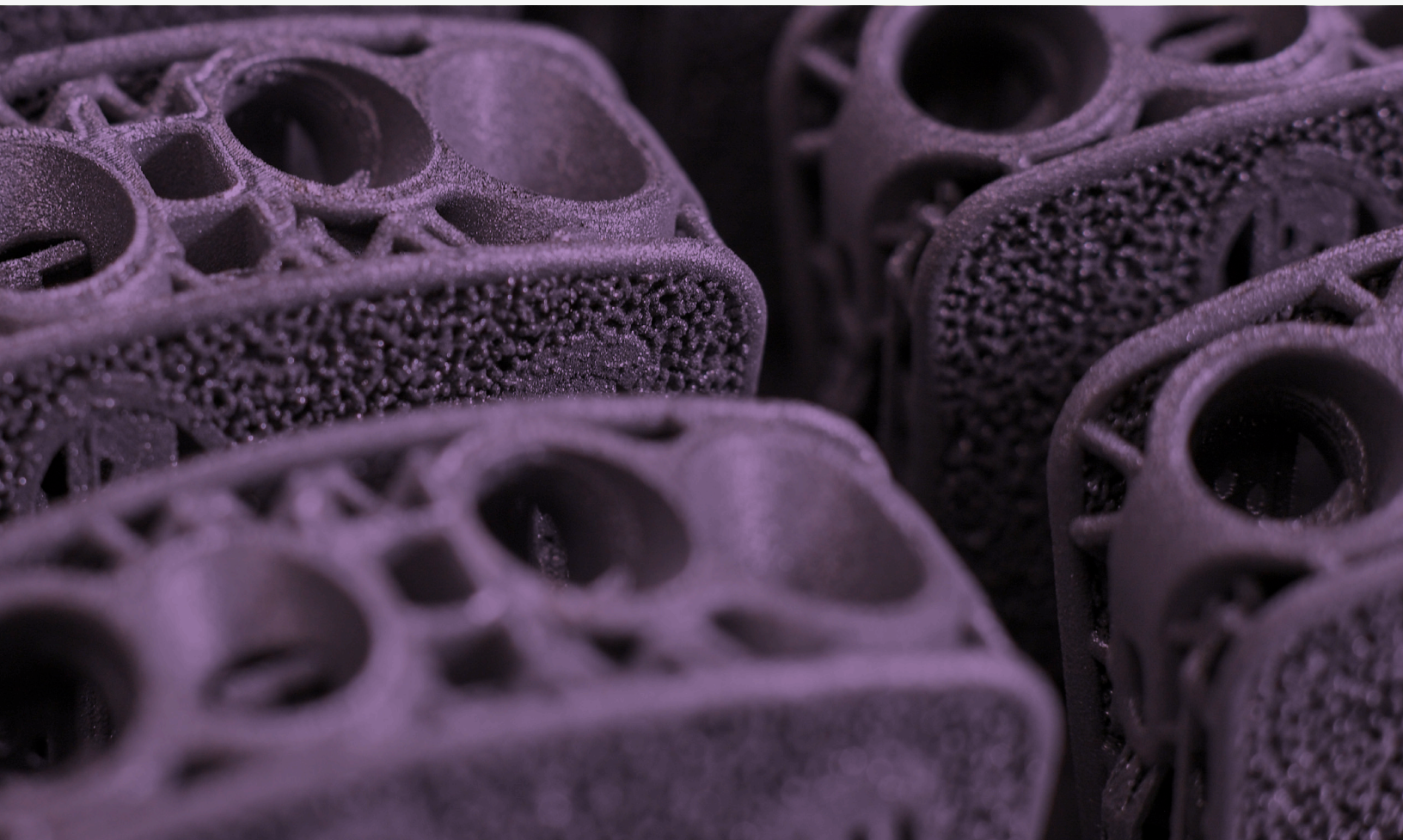
34°-46°

Screw and locking mechanism design

Flexible four screw design may be used as a **standalone construct** with three or more screws and up to 20° of lordosis

Zero-step locking mechanism provides **tactile and visual confirmation** enabling confidence with screw fixation/locking mechanism

12° variable screw insertion allows for **guide-less, efficient fixation technique**



Instrumentation

The low-profile instrumentation is designed specifically for both Supine ALIF and XALIF. The positive central inserter engagement with the implant allows for rigid implant control for placement and repositioning with excellent visualization. The multi-function instrumentation can increase OR workflow efficiencies.

Straight inserter

Bolt action engagement



Cranial-caudal inserter

Bolt action engagement

Designed with high sacral slope in mind



Anterolateral footed inserter

Bolt action engagement

Designed for XALIF



Lateral grasping inserter

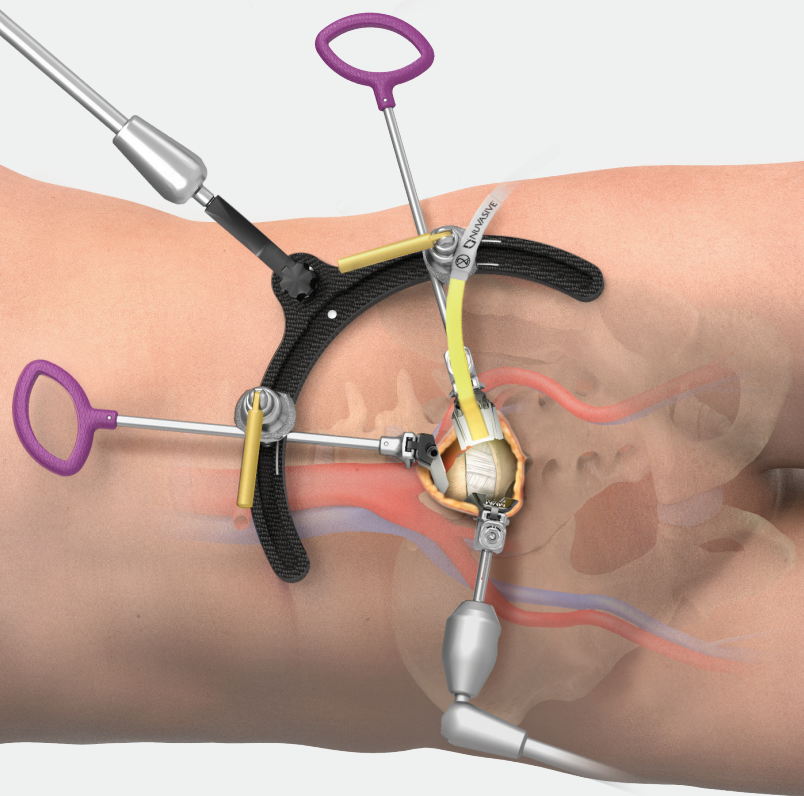
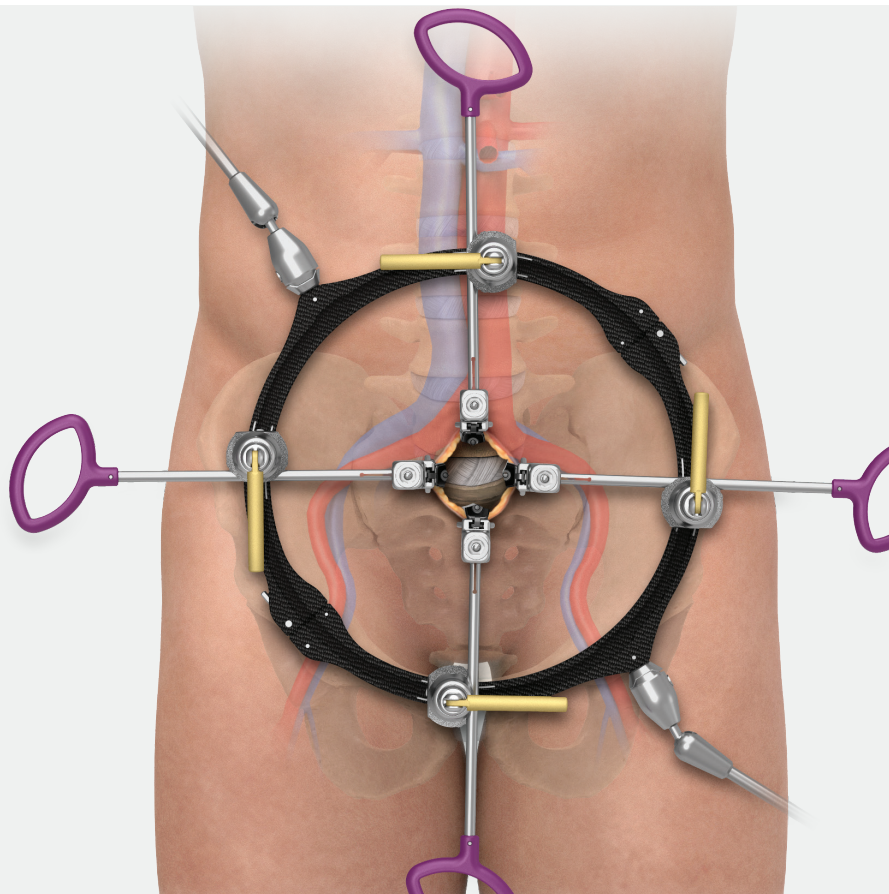
Designed for a L4–L5 approach



Designed with two approaches in mind

Supine ALIF

The NuVasive Supine ALIF access system offers both rigidity and radiolucency through a dual-arm, table-mounted, carbon fiber frame and full suite of aluminum blades.




XALIF


XALIF is a procedure that maintains the characteristics of traditional supine ALIF but is instead performed with the patient in the lateral decubitus position. This procedure eliminates the need for patient repositioning, which ultimately enables shorter OR times,⁴ less time under anesthesia,^{5,6} and cost savings.^{7,8} NuVasive also offers a dedicated retractor for this procedural approach.

For important product safety information, please visit [nuvasive.com/eIFU](https://www.nuvasive.com/eIFU)

References

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