

INVICTUS[®] OsseoScrew[®]

EXPANDABLE SPINAL FIXATION

atec[™]



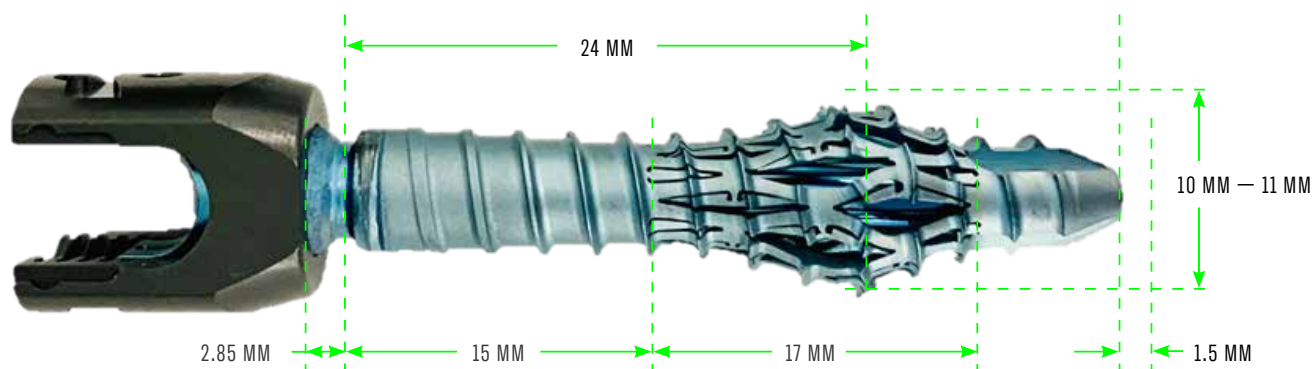
FEATURES

- 29% increased pull-out strength over standard pedicle strengths¹
- Expansion zone location location designed to maximize pedicle screw fixation
- Fully compatible with Invictus Open and MIS posterior fixation systems

IMPLANT SPECIFICATIONS

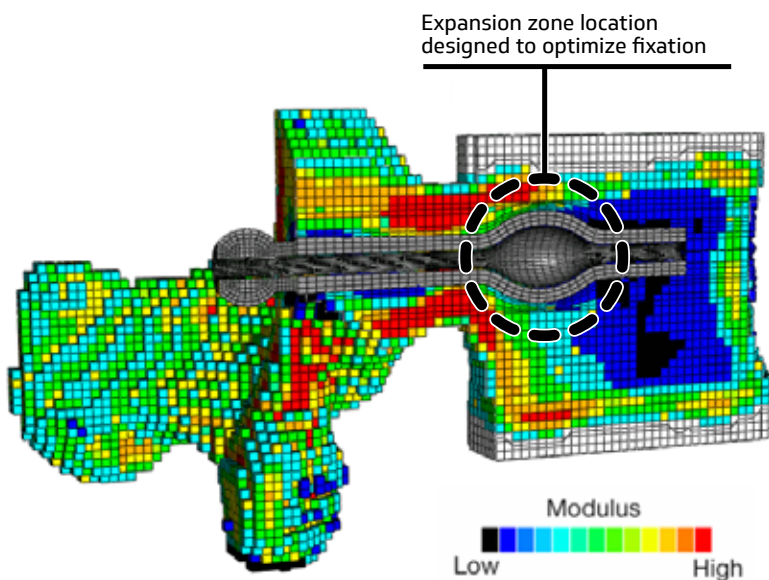
PROCEDURE	SCREW TYPE	PROXIMAL SCREW LENGTH	EXPANSION ZONE LENGTH	DISTANCE TO PEAK EXPANSION ZONE	DIAMETER	LENGTH	PEAK DIAMETER UPON EXPANSION	ROD ACCEPTANCE
MIS and Open	Polyaxial, Reduction, and Extended Tab Reduction	15 mm	17 mm	24 mm	6.5 mm	40, 45, 50 & 55 mm	10 mm	5.5 & 6.0 mm
					7.5 mm	40, 45, 50 & 55 mm	11 mm	

The length of the screw is measured from the tip of the screw to the most proximal thread. There is an additional 2.85 mm length from most proximal thread to the under-surface of the screw body. Screw length is reduced by 1.5 mm after expansion. The single lead thread pitch is 2.8 mm and the minor diameter is 1.5 mm less than the major diameter.

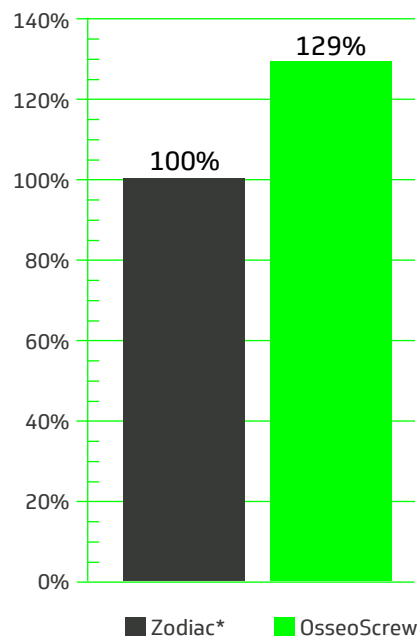


Fixation Strength

CT-BASED BONE ELASTIC MODULUS DISTRIBUTION²



IMPROVED PULL-OUT STRENGTH¹



¹Vishnubhotla S, McGarry WB, Mahar AT, et al. A titanium expandable pedicle screw improves initial pullout strength as compared with standard pedicle screws. Spine J 2011;11:777-81.

²ATEC Spine Report OND-CSD-003-08.

*Zodiac is an ATEC conventional pedicle screw system.