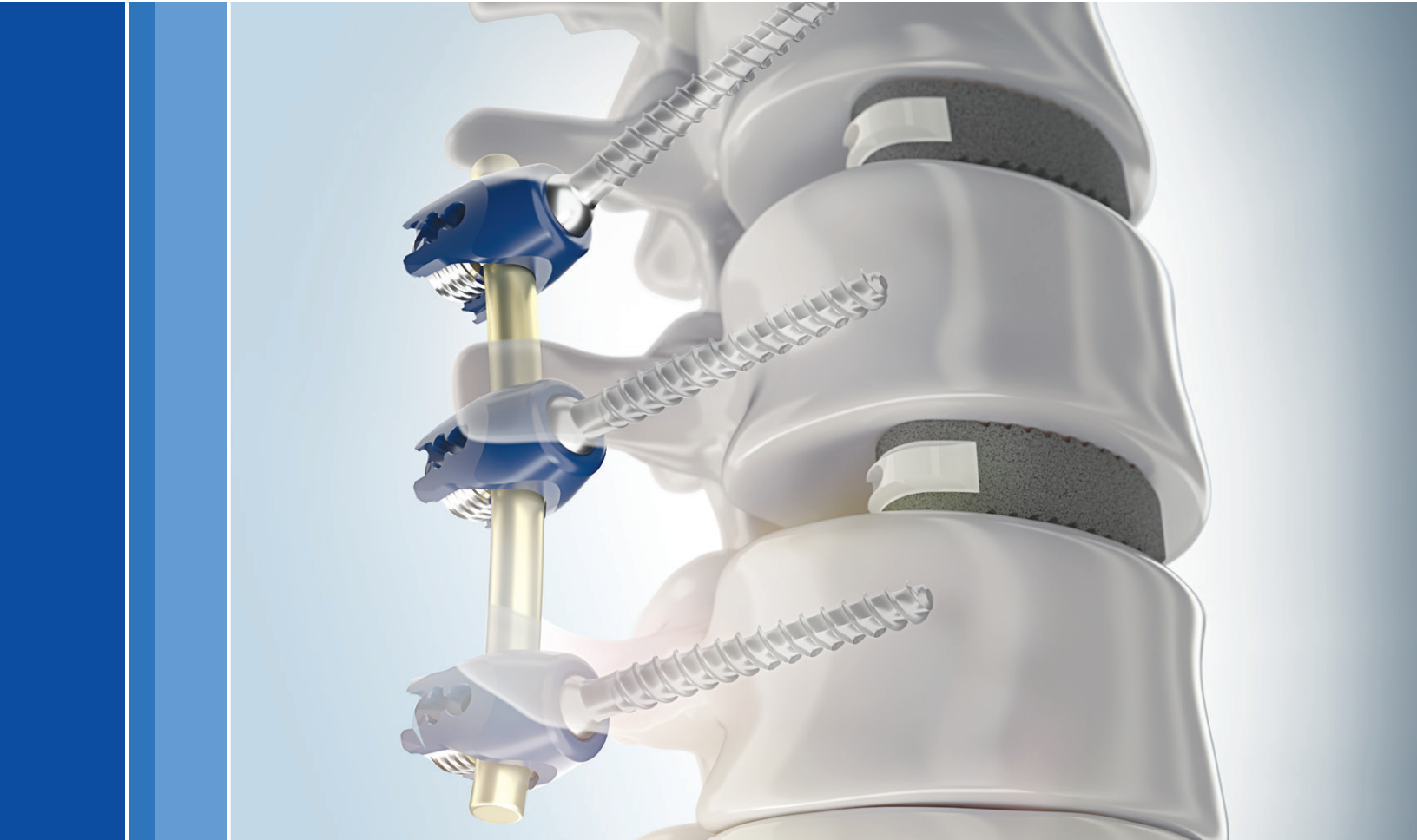


ENNOVATE[®] Spinal System

Fixation You Can Feel ◆ Safety You Can Trust ◆ Flexibility You Need



Aesculap Spine

ENNOVATE[®] Spinal System

Experience the ENNOVATE Spinal System for **FIXATION YOU CAN FEEL**, **SAFETY YOU CAN TRUST** and **FLEXIBILITY YOU NEED**.

FIXATION YOU CAN FEEL

PentaCore[®] Screw for improved anchorage in both cortical and cancellous bone

DISTAL PENTAGON-SHAPED CORE

Pentagonal core and longer thread design provide greater interface with viscoelastic cancellous bone for improved anchorage and increased pullout performance.

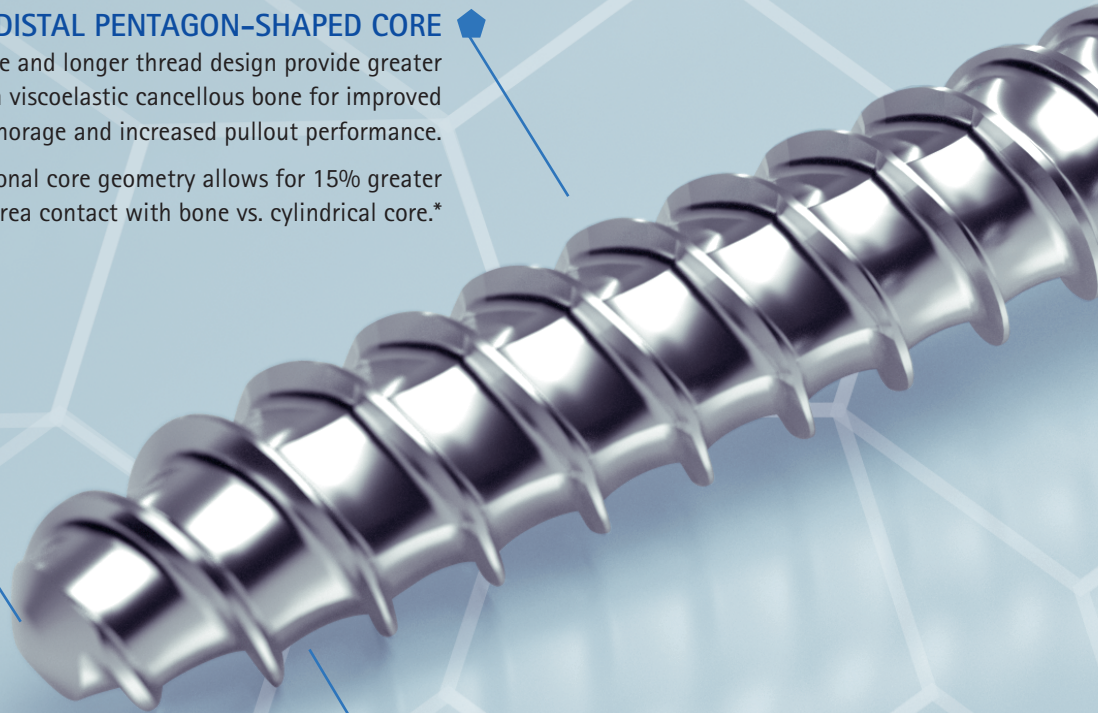
Pentagonal core geometry allows for 15% greater surface area contact with bone vs. cylindrical core.*

TAPERED TIP

Precise screw trajectory, quick grip, low insertion force.

DUAL LEAD THREAD

Faster insertion, self-tapping and self-cutting.





**STRONG, STABLE
INSTRUMENT
CONNECTIONS**

PROXIMAL CYLINDRICAL CORE

Larger diameter, designed for anchorage in cortical bone, tactile feedback.

DUAL CORE TRANSITION ZONE

Short transition zone between dual cores allows for screw height adjustments while maintaining anchorage.

References

1. Agarwal, A., Lin, B., Wang, J. C., Schultz, C., Garfin, S. R., Goel, V. K. (2019). Efficacy of Intraoperative Implant Prophylaxis in Reducing Intraoperative Microbial Contamination. *Global Spine Journal*, 9(1), 62–66. <https://doi.org/10.1177/2192568218780676>
2. Agarwal, A., Schultz, C., Agarwal, A. K., Wang, J. C., Garfin, S. R., & Anand, N. (2019). Harboring Contaminants in Repeatedly Reprocessed Pedicle Screws. *Global Spine Journal*, 9(2), 173–178. <https://doi.org/10.1177/2192568218784298>
3. Agarwal, Aakash, et al. "Implant Prophylaxis: The Next Best Practice Toward Asepsis in Spine Surgery." *Global Spine Journal*, SAGE Publications, Oct. 2018, www.ncbi.nlm.nih.gov/pubmed/30443488
4. Agarwal, Aakash. "Implanting Pedicle Screws Without Bacteria: How Do We Keep Track of Invisibles?" *Infection Control Today*, 11 Apr. 2019, www.infectioncontroltoday.com/operating-room/implanting-pedicle-screws-without-bacteria-how-do-we-keep-track-invisibles.

* Data on File, Aesculap

ENNOVATE[®] Spinal System



FLEXIBILITY YOU NEED

Intraoperative Conversion with PolyLock™ Technology

Activating PolyLock converts a polyaxial screw into a monoaxial-behaving screw at any time during the procedure in any position, providing flexibility to perform:

- ◆ Parallel compression
- ◆ Parallel distraction
- ◆ Derotation maneuvers





SAFETY YOU CAN TRUST

Sterile Packaging for Improved Patient Safety

Reprocessed pedicle screws have been documented to harbor contaminants such as fats, soaps and biomaterials. Disinfection does not offer the same margin of safety that sterile implants provide.² Ineffective execution of reprocessing is common and results in highly contaminated implants that may harbor macroscopic human tissues and blood borne pathogens.⁴

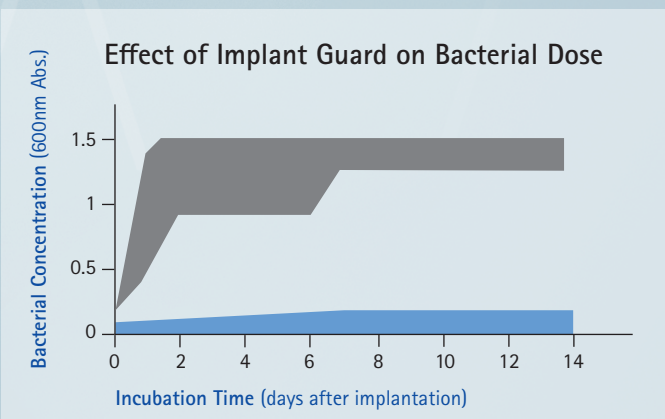
Surgical Site Infections (SSI) after spinal surgery remain a critical postoperative complication, inhibiting patient safety and increasing healthcare costs.²

Minimized introduction of bacterial pathogens in the surgical site enhances successful surgical results and patient health outcomes.¹

Aseptic packaging reduces the implant contamination rate and inflammatory response. Studies demonstrate sterile packaged screws yield a **three-fold decrease** in postoperative infection rates compared to reprocessed screws.¹

SAFE HANDLING

The first thing the ENNOVATE screw touches is your patient.



■ WITHOUT GUARD/SHIELD ■ WITH GUARD/SHIELD



ENNOVATE's sterile loading block promotes aseptic presentation and mitigates cross-contamination to surgical site. Evidence shows that use of a sterile sheath around an implant results in a **significant reduction** in contamination.* The sterile sheath provides uninterrupted protection from contaminants as it is removed only seconds prior to implantation.³

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