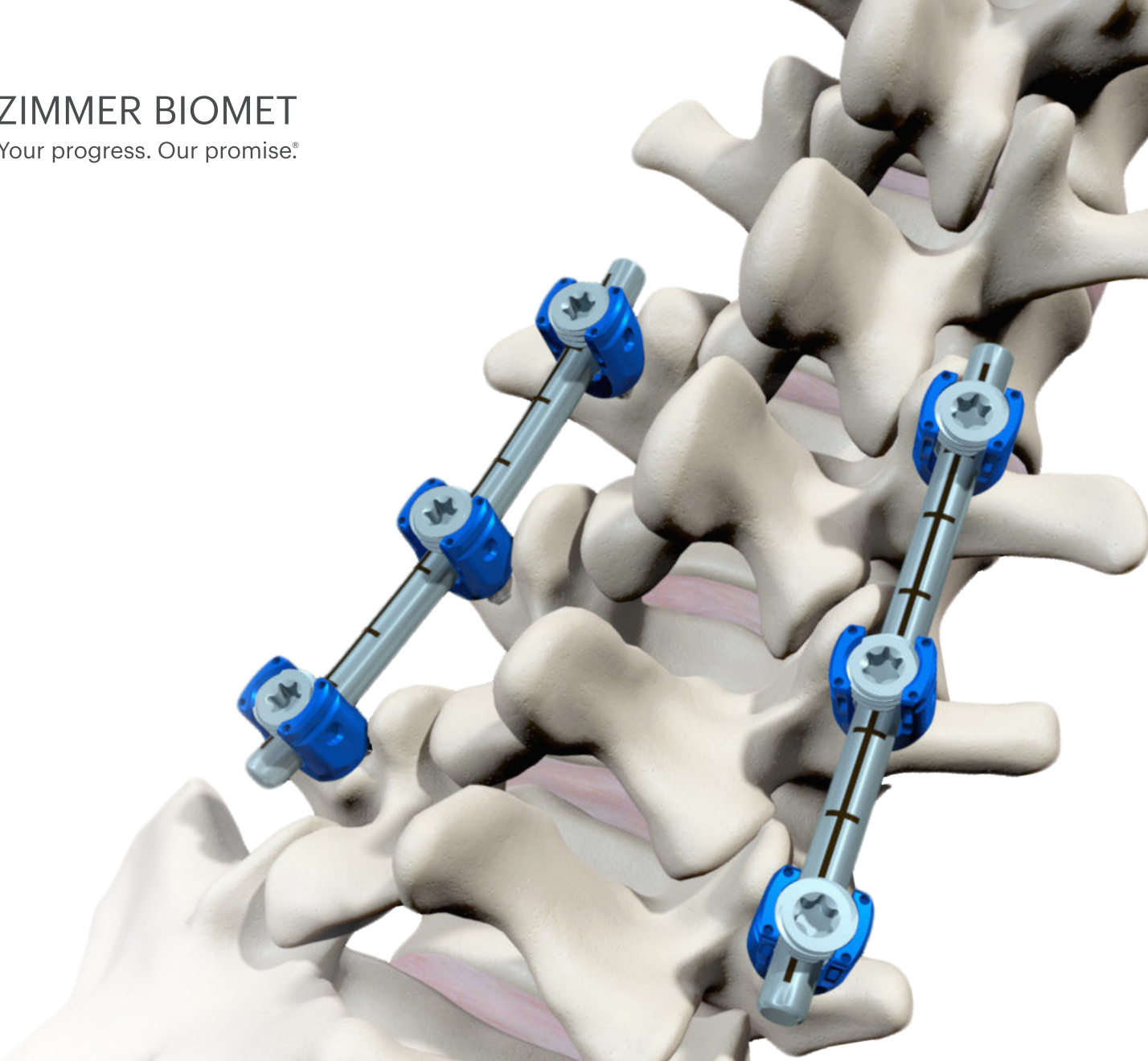




ZIMMER BIOMET

Your progress. Our promise.®



Thoracolumbar Solutions

Vital™ Spinal Fixation System

Degenerative

Vital Spinal Fixation System is an optimized instrument and implant kit configuration for degenerative thoracolumbar procedures.



Optimized

The Vital Spinal Fixation System provides an optimized set configuration solution for degenerative thoracolumbar procedures, evolved from the advanced implant and instrument features of the comprehensive Vitality® Spinal Fixation System.



Optimized Instrument Set

- Consolidates instruments into only two kits, simplifying what is required for a degenerative case.
- Minimizes the OR footprint and lowers the burden on staff for sterile field set up and sterile processing, which could reduce OR costs and reduce the surgical staff's instrument learning curve.



Operational Efficiencies

- Color-coded kit configuration streamlines the procedure for scrub techs and surgeons:
 - Light blue — pedicle targeting/prep and screw insertion
 - Gold — rod insertion and manipulation
 - Green — final tightening
 - Magenta — transverse connectors
- Enhanced ergonomics optimize OR time in an effort to minimize fatigue.
- T27 drive mechanism interchangeability promotes intraoperative simplicity.



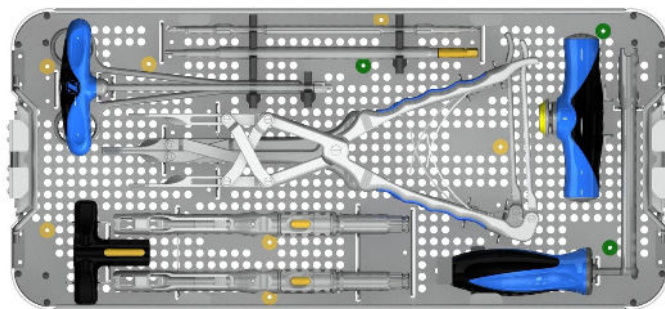
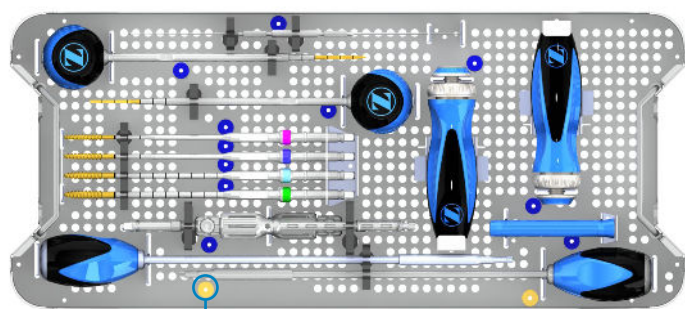
Advanced Screw Design

- Dual-lead screws and set screws are specifically designed for speed, and ease of use.
- Specially designed dual-lead thread form promotes improved screw stability and requires fewer revolutions to insert. This improves surgeon efficiency by allowing screw insertion twice as fast as comparable single lead screws without sacrificing pull-out strength.*

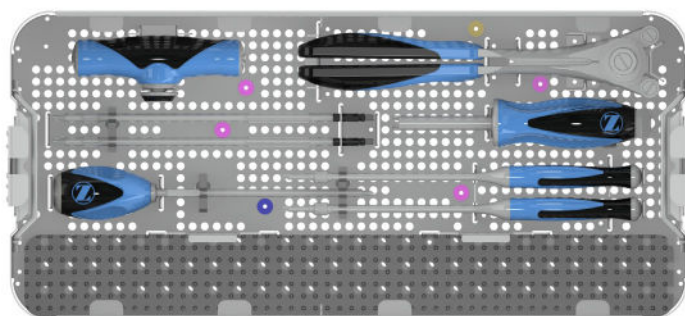
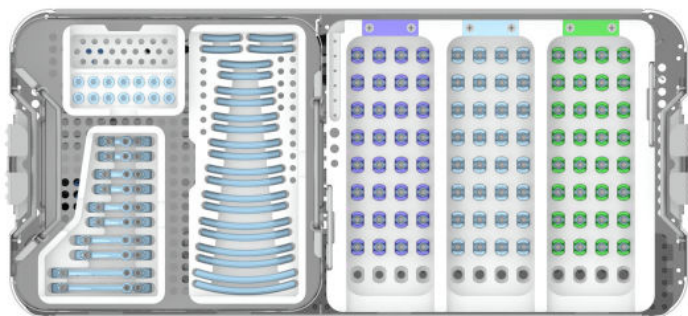
Minimized

The minimized, two-kit configuration includes all pertinent instruments and implants required for degenerative spine surgeries in an easy-to-follow color-coded tray layout. Vital is tailored to potentially reduce reprocessing and sterilization costs, improve operating room efficiency and offers the potential to shorten surgical staff's learning curve.

Vital Instrument Kit



Vital Implant and Additional Instrument Kit



ReVitalized

Featuring vigorously tested implants and ergonomically weight-balanced instrumentation, the Vital Spinal Fixation System is designed to streamline your spinal procedures. The optimized system is built with a specific focus on delivering the Vital components needed to execute rigid fixation in degenerative thoracolumbar procedures.

VITAL IMPLANT FEATURES

Multiple Instrument Connection Features

- The multiple screw head connection points allow various instruments to quickly and securely attach, simplifying manipulation maneuvers.

Friction Fit Screw Head

- Retains alignment, allowing for easy screw-rod orientation and ease of screw loading.
- Accommodates $\varnothing 5.5$ mm and $\varnothing 6.0$ mm rods.

Fully Threaded Dual-lead Screw Shank

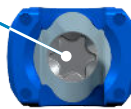
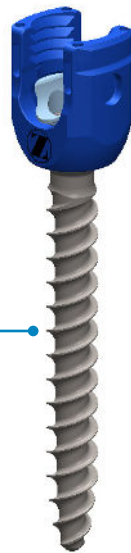
- Self-tapping fully threaded blunt tip screw shank designed to improve the starting characteristics and improve bone screw fixation while reducing insertion torque.
- Improves surgeon efficiency by allowing screw insertion twice as fast as comparable single lead screws without sacrificing pull-out strength.*

T27 Hexalobe Drive Feature

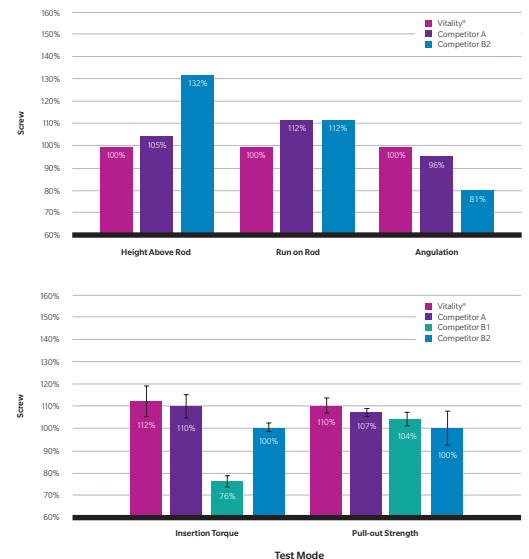
- Screws and closure tops utilize T27 drive (one of largest in industry): 30% greater strength than T25 drive (MDT), 90% greater strength than T20 drive (D/S).**

Dual-lead Reverse Angle Thread Closure Top

- Dual-lead reverse angle thread designed to improve engagement, advance quickly and help prevent head splay.
- Closure top design supports loosening after final tightening and re-tightening of closure top without performance loss.



VITAL VS. COMPETITION

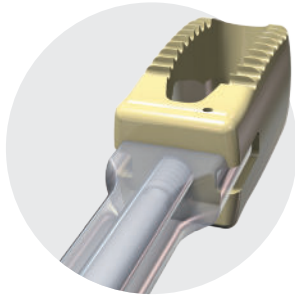


- Vitality dual-lead screws insert 66% faster than competitors tested.
- Pull-out strength exceeds competition when tested on comparable screw sizes in bone foam, giving you more confidence in the bone purchase in a clinical application.
- No-touch loading of screws and closure tops improves efficiency.
- Improved ergonomics with lighter handles and special speed enhancement features can streamline OR time and may minimize fatigue.

A COMPLETE SOLUTION FROM ZIMMER BIOMET SPINE

Zimmer Biomet offers a complete line of solutions to enable you to facilitate successful fusion procedures.

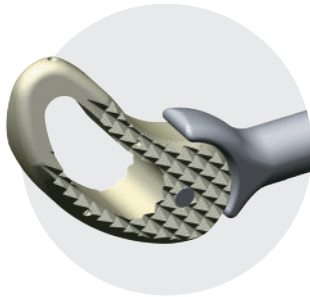
Additional solutions include:



INTERBODY

Zyston® Straight Interbody Spacer System

- Robust implant/inserter interface provides for secure tactile control
- Clear visualization and markers provide confidence and confirmation of placement which are available in curved and straight with multiple length options



Zyston® Curve Interbody Spacer System

- Controlled articulating mechanism provides variable and fixed angulation
- Inserter's unique controlled articulating mechanism allows up to 55 degrees of angulation



BIOLOGICS

PrimaGen Advanced™ Allograft

- An Allograft solution containing all three properties of the bone healing triad:
 - Osteoconduction
 - Osteoinduction
 - Osteogenicity
- PrimaGen Advanced Allograft contains at least 750,000 cells/cc of cancellous tissue with at least 70% cell viability.
- Packaged in pre-filled syringe with a fiber based bone matrix for convenience and improved handling



InterGro® DBM

- InterGro DBM is a verified, osteoinductive and demineralized bone matrix in a natural lecithin carrier, and is available as:
 - DBM Putty—40% DBM content by weight
 - DBM Paste—35% DBM content by weight
 - DBM Plus—35% DBM content by weight and premixed with resorbable coralline hydroxyapatite/calcium carbonate granules



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