



Valencia PSS

Pedicle Screw System

The Altus Spine Valencia PSS Pedicle Screw System is an innovative low-torque, top loading pedicle screw implant system. In addition to its low profile construct, which utilizes a 5.5mm rod and a robust hybrid square thread locking mechanism, the system offers screw angulation up to 50 degrees and tremendous versatility with regard to open, MIS, and mini-open spinal surgery fusion procedures.

## ALTUS SPINE VALENCIA PSS

The Altus Spine Valencia PSS Pedicle Screw System's low torque design fully locks in 65 in-lbs (7.3 N-m), which is nearly half of the torque required by most competitive designs. The low torque design also fosters high tactile feedback and reduces anatomical loads during final construct tightening. Additionally, this expanded capability is also enhanced through the pedicle screw's thread form, which optimizes the bone screw interface and related pullout strength.

### FEATURES:

#### *Evolutionary Low Torque Hybrid Square Thread*

- Efficient and robust, low torque locking cap design
- Final locking secured at 65 in-lbs (7.3 N-m) minimizing forces applied to anatomy and provides benchmark tactile feedback
- Hybrid square thread locking cap minimizes cross-threading, splaying, and false locking

#### *Low Profile Construct & Insertion Devices*

- Allows up to 50° of angulation
- Rounded tulip underside for optimal bone graft placement
- Stable screw-inserter coupling for ideal control during insertion

#### *Simplified Instrumentation & System*

- Surgical procedure can be performed with as few as 5 system specific instruments
- All implants and instruments within a single tray configuration

#### *Product Offerings*

- Pedicle screws are available in solid body, polyaxial head configurations
- Screw diameters range from 4.5mm to 8.5mm and are available in lengths from 25mm to 60mm in 5mm increments
- Pre-lordosed rods available from 30mm to 120mm in 5mm increments. Long, straight rods up to 435mm in 10mm increments are also available
- Telescoping, straight, and variable cross connectors are available in 4 sizes, spanning in lengths from 30mm to 76mm

Please refer to Product insert (LM-0019) for a complete system description, warnings, and precautions.



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