

DSG[®] Integration Module for Screw

Direct screw insertion guided with the DSG technology



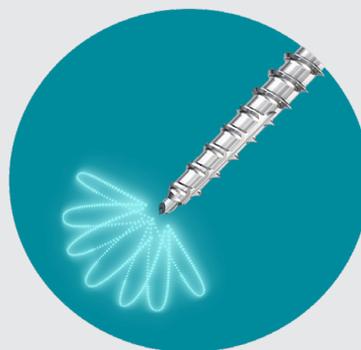
Smooth progressive insertion and advancement

It may be used to streamline surgical steps while maintaining the accuracy for one step screw placement.

Additionally, it may reduce the use of intraoperative imaging in standard and MIS procedures.

Allows for cortical penetration and redirection without compromising pedicle integrity

Analyzes tissue conductivity and eliminates the need of a K-wire in MIS



DSG Pin protruding at the tip of the screw

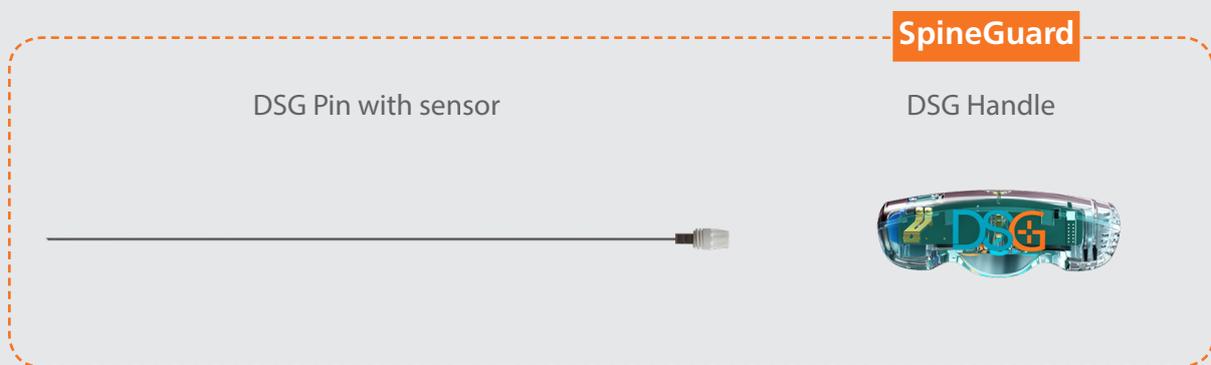
Equipped with DSG (Dynamic Surgical Guidance) technology, the DSG-enabled screw can alert the surgeon of possible vertebral cortex perforation. Furthermore, it may help the surgeon anticipate a breach by detecting the approaching cortical wall and place the screw in only one step.

Streamline surgical steps with DSG-enabled screw



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“Integrating the Dynamic Surgical Guidance technology with pedicle screws will greatly optimize the workflow and accuracy, and reduce radiation exposure for surgeons in both the traditional and MIS surgical settings. Not only will the smart screw allow for active real time guidance breach-avoidance through the pedicle, but it will also provide unprecedented feedback and confidence in the ultimate fixation of the screw itself.”



The DSG Integration Module (DSG Pin and DSG Handle) can be enabled in any cannulated pedicle screw system and associated screwdriver after appropriate adjustments and submission of the proper documents to US FDA (for the US only). This addition to the pedicle screw makes it «smart» for the benefit of the patient, and allows for faster and safer pedicle screw placement for the surgeon.

For a screw manufacturer, it's the opportunity to highly differentiate its pedicle screw system in a very competitive environment.

SpineGuard®
Making spine surgery safer

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Caution: See package insert for labeling limitations, intended uses, relevant warnings, precautions, side effects and contraindications.