



SPINE SURGICAL INNOVATION PRESENTS THE SWIVEL PORT SYSTEM FOR MINIMALLY INVASIVE SURGERY

Intended for posterior and lateral lumbar surgery, the **Swivel Port System**, exclusively marketed and distributed worldwide by **Spine Surgical Innovation (SSI)**, complements your surgical technique with an easy-to-use, safe and simple minimally invasive surgery (MIS) system.

The Swivel Port System draws upon decades of innovative surgical spine solutions and experience. The System includes two port sizes—the Swivel Standard Port System and the Swivel Mini Port System. Both offer excellent visualization with minimized muscle creep through a simple to use and intuitively designed system.

SSI refined the design in collaboration with neurosurgeon, James B. Macon, M.D, FACS. After reviewing the patented prototype, Dr. Macon commented “it appeared to me that this would be a good product for accessing the spine. A limitation of competing devices is their use of dilator devices for placement, translating to more time and expense.” The team also designed a supporting set of instruments for removal of herniated discs, placement of instrumented and non-instrumented interbody fusions, pedicle screw systems and nerve root decompressions.

Clinical Applications

Minimally invasive spine surgery with the Swivel Port System is less traumatic to patients, reducing morbidity and recovery time and yielding better patient outcomes. When performing posterior and lateral lumbar surgery, the Swivel Port System is easily positioned by creating a small diameter muscle splitting incision—resulting in minimal scarring, blood loss or tissue damage. Expander



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blades, inserted into the aperture of the swivel port, can be opened as needed in a superior/inferior plane to give added access along the spine.

In his Massachusetts-based private practice, Dr. Macon has used the Swivel Port System with approximately 120 patients. He explained, “With this device you are able to dissect with instruments already available and easily separate muscle and ligament off the bone. Then the closed port is placed, attached to its handle, and opened with the turn of a rotating ring. Instead of having a large incision with a lot of retractor blades, you have a pathway to the operating field with a small skin incision and wider access at the spine level. You can then use an attachable fiberoptic light, standard

head light or operating microscope for better visualization.”

The Swivel Standard Port System

The Swivel Standard Port is used for pedicle screw fixation, fusion

BENEFITS OF THE SWIVEL PORT SYSTEM

Compared with conventional tubular ports with dilation systems and cannulas, SSI's Swivel Port System has significant advantages:

- Provides intuitive, easy-to-use, easy-to-learn, safe and effective MIS system;
- Provides excellent visualization and working space through a larger viewing width at the spine level;
- Eliminates dangerous guide wires and lengthy set up time;
- Eliminates muscle creep;
- The comprehensive, reusable system is priced competitively and less expensive than “bundled” and “disposable” alternatives;
- Yields faster recovery times and better patient outcomes; and
- Offers a flexible system which can be used with most pedicle screw and implant systems.

SSI's focus is on providing surgeons the best MIS system allowing choice of the optimal combination of implant systems and MIS systems, providing a standard MIS system for both fusion and decompression procedures.

A local and worldwide distribution team of highly skilled professionals provides excellent user support and training for the Swivel Port System.


and larger decompressions. It is made of titanium and partially radiolucent, and comes in lengths of 62mm, 75mm, and 88mm. Each port has a 27 mm diameter aperture plus both equal-length and offset blades allowing the ports to rest firmly on bone which minimizes muscle creep, providing more visibility and maximizing work room all through a 3 cm skin incision. Dr. Macon noted, “By avoiding the dilator system, the risk of damaging nerves or dura by small guide wires or inner dilators is reduced. The Swivel Port is a reusable and cost effective device.”

The Swivel Mini Port System

Dr. Macon uses the Swivel Mini Port for “microdiscectomy, microforaminotomy and other procedures such as biopsies that require smaller (2 cm) incisions.” Available in four different lengths, the Swivel Mini Port blades are offset allowing the ports to sit firmly on the facets and spinous process. For additional support and stability, each port has an extended flange on the longest leg fitting beneath the paraspinal muscle laterally. All ports have an 18 mm diameter aperture providing excellent exposure and viewing. Partially radiolucent and made of stainless spring steel, the superior/inferior expander blades easily snap into the open ports—providing the surgeon a wide viewing area at the spine level to allow decompression of nerve roots and removal of disc herniations.

Supportive Tools

A comprehensive solution, the Swivel Port System includes thoughtfully designed supporting instruments to optimize your MIS technique. Newly released products include:

- **Pivot Tipped Rod Forceps**, allowing surgeons to hold a rod angled or parallel to the forceps body for insertion into a small working area.
- **MIS Distractor**, fitting easily through the port aperture and working with numerous pedicle screw systems, it offers enhanced visualization while distracting intervertebral spaces.
- **MIS Compressor** small enough to pass through the aperture—yet open up to compress across most screw construct designs. 

To Learn More

For more information, call 1-800-350-8188; email sales@spinesurgicalinnovation.com to sales@spinesurgicalinnovation.com; or visit the company's Web site at www.spinesurgicalinnovation.com.

Spine Surgical Innovation's mission is to improve outcomes for surgeons and their patients by providing instruments and MIS systems that are thoughtfully designed and easy to use. SSI and the Swivel Port System fulfill the promise of MIS with instruments and systems that are safer, faster and continually deliver consistent results.