Intelligently designed and meticulously crafted spine instruments and systems priced for today’s global economic reality

- NEW PRODUCTS & SERVICES
- PEDICLE INSTRUMENTS
- DISTRACTORS & COMPRESSORS
- ROD INSTRUMENTS
- MIS SYSTEMS
- TORQUE INSTRUMENTS
- GENERAL INSTRUMENTS
Dear Spine Specialist,

We would like to introduce you to our host of intuitively designed spine instruments and systems to help you achieve YOUR operative goals. Our goal is simple and straightforward; we strive to be YOUR ‘go to’ spinal instrument and MIS retraction systems supplier. We can work directly with you or with your distributor of choice. Please contact us today for more information on how we can help you save time, save money and accomplish YOUR operative and practice goals.

MIMS Institute

We at Spine Surgical Innovation have recently founded and established the MIMS Institute. No doubt you have witnessed how Minimally Invasive Surgery (MIS) for spine has taken on many definitions and interpretations. MIS remains loosely defined and we believe that the term Minimally Invasive Surgery for spinal procedures has become a relative, deceptive and inappropriately employed term to describe every approach from traditional fully open procedures with smaller incisions to micro tubular access procedures and everything in between.

The MIMS Institute is dedicated to the belief that better surgical vision of the pathology and surrounding tissue, minimization of tissue disruption along with the rock solid access port stability of the new Swivel Port MIS systems provides the surgeon and the patient a new opportunity to benefit from this innovative family of MIS instruments and systems.

New Products

This catalog contains many innovative instruments and systems to help you achieve YOUR operative goals. There are over 50 new spinal instruments and MIS Systems that are highlighted.

Please enjoy the catalog and contact us at 781-856-0900 or visit www.SpineSurgicalInnovation.com for more information.
### Pedicle Instruments

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<td><strong>Solid Pedicle Marker</strong></td>
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<td>Markers are inserted using any standard A/O divers</td>
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<tr>
<td><strong>Straight Lenke Probe</strong></td>
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<td>Product No. 336000</td>
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### Rod Instruments

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<td><strong>1/4&quot; Rod Cutter with Depth Gauge</strong></td>
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<td><strong>2.5mm Non-Ratcheting Handheld Rod Cutter</strong></td>
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<td><strong>3.5mm Ratcheting Lightweight Handheld Rod Cutter</strong></td>
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### Distractors & Compressors

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<tr>
<td><strong>MIS Distractor</strong></td>
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<tr>
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**New Products**

**Rod Instruments**

- **4.5mm Pivot Tipped Angle Rod Forcep**
  Product No. 655425
  Rod Instruments PAGE 19

- **Pivot Tipped Rod Forceps**
  Product No. 97-1160
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- **Rod Reduction Device**
  Product No. 835000
  Rod Instruments PAGE 22

**MIS Systems**

- **Storz Light Tube Adaptor**
  Product No. 311000
  MIS Systems PG 34

- **Wolf Light Tube Adaptor**
  Product No. 312000
  MIS Systems PG 34

- **Dilators**
  MIS Systems PAGE 35

**Torque Instruments**

- **In-Line Torque Limiter**
  Product No. 459300-XX
  Torque Instruments PAGE 36

- **T-Handle Torque Limiter**
  Product No. 459500-XX
  Torque Instruments PAGE 36

**MIS Systems**

- **Swivel Port OVOID**
  For Multi Level Fusion
  MIS Systems PAGE 30

- **Swivel Port 360°**
  With Improved Angulation
  MIS Systems PAGE 27

- **Swivel Port With Optional Side Pins For Greater Utility**
  MIS Systems PAGE 27

**New!**

Call 800-350-8188 or Text 781-856-0900
We, at Spine Surgical Innovation, have recently founded and established the MIMS Institute. No doubt you have witnessed how Minimally Invasive Surgery (MIS) for spine has taken on many definitions and interpretations. MIS remains loosely defined and we believe that the term Minimally Invasive Surgery for spinal procedures has become a relative, deceptive and inappropriately employed term to describe every approach from traditional fully open procedures with smaller incisions to micro tubular access procedures and everything in between.

The MIMS Institute was founded to increase the awareness of patients and spine surgeons about the Swivel Port, a unique and patented minimally invasive spine surgical access system that utilizes an elegant design to provide faster, simpler and safer spine procedures. We truly believe that the system provides great opportunity to those dedicated to truly minimally invasive surgery.

The MIMS Institute is dedicated to the belief that better surgical vision of the pathology and surrounding tissue, minimization of tissue disruption along with the rock solid access port stability of the new Swivel Port MIS systems provides the surgeon and the patient a new opportunity to benefit from this innovative family of MIS instruments and systems.

Better sight, improved visualization = superior surgery
Better stability, better safety = better outcome
Better access with minimal incision size = faster recovery

To us at the MIMS Institute, it is about minimizing patient tissue trauma and disruption, minimizing your time and expense, and simplifying the surgical experience for all parties.

Our value driven mission...
• Maximize healthy TISSUE preservation by providing a simple and easy to use system to access the pathology directly and quickly
• Maximizing visualization of the tissue and pathology and retractor stability
• Maximizes patient outcome
• Minimizing your time
• Minimizing cost

We believe
• Simplicity is elegant! Saving time and improving outcomes
• Better visualization and control yields to better outcomes; if you can see better you work better
• Better stability and ease of use yields more productivity and better outcomes
• Low cost is best positioned for global effectiveness in today’s changing global cost environment

WE believe the concept of MIMS, Minimal Incision Maximum Sight, is fundamental for truly Minimally Invasive Surgical spine procedures. Please visit our website today to learn more and we welcome your participation.
During imaging the surgeon can easily identify which side of the spine he is viewing from an x-ray depending on the solid or the notched type marker.

**Solid Pedicle Marker**
Product No. 569001

**Notched Pedicle Marker**
Product No. 97-1099

Markers are inserted using any standard A/O divers.
SOUNDING PROBES
Supplied with a unique texture on the distal ends, these probes give the surgeon the desired “feel” when probing around the pedicles and nerve roots.

Straight Sounding Probe 316 SS
Product No. 557000

Also Available
Straight Sounding Probe 17-4 PH
Product No. 557200

Curved Sounding Probe 316 SS
Product No. 557400

Curved Sounding Probe 17-4 PH
Product No. 557300

BALL HANDLE PEDICLE PROBES
Available in a variety of configurations, from thin and narrow tips for pediatric surgery, to flat duckbill type and Lenke probes for creating access channels for pedicle screws.

Narrow Straight Ball Handle Pedicle Probe
Product No. 344000

Also Available
Duckbill Straight Ball Handle Pedicle Probe
Product No. 343000

Duckbill Curved Ball Handle Pedicle Probe
Product No. 342000

Also Available
Narrow Curved Ball Handle Pedicle Probe
Product No. 341000
BONE TAPS
Bone taps are designed to provide a more secure channel for inserting pedicle screws. Custom threads and sizes available upon request.

7.00mm Bone Tap
Product No. 493000

Also Available
- 495000 8.50mm Bone Tamp
- 494000 7.75mm Bone Tamp
- 492000 6.25mm Bone Tamp
- 491000 5.50mm Bone Tamp

BONE AWL
The sharp narrow tip allows the surgeon a quick and easy solution to always placing a pedicle screw in the desired location.

Bone Awl
Product No. 332000
**HEX POLYAXIAL SCREW DRIVER**

Designed for the most difficult to reach areas, these screwdrivers offer a low cost solution to gain access through small incisions or difficult to access anatomy.

3.5mm Hex Polyaxial Screwdriver
Product No. 558100

Also Available
2.5mm Hex Polyaxial Screwdriver
Product No. 558000

**DISPOSABLE DRILL**

Cost effective 2mm diameter drill for cervical and trauma applications.

Disposable Drill
Product No. 571000
MOLDED HANDLE PEDICLE PROBES

Available in a variety of configurations, from thin and narrow tips for pediatric surgery, to flat duckbill type and Lenke probes for creating access channels for pedicle screws.

- **Narrow Straight Molded Handle Pedicle Probe**
  - Product No. 331000

- **Duckbill Curved Molded Handle Pedicle Probe**
  - Product No. 334000

- **Also Available**
  - **Duckbill Straight Molded Handle Pedicle Probe**
    - Product No. 333000
  - **Narrow Curved Molded Handle Pedicle Probe**
    - Product No. 330000

LENKE PROBES

Designed with our non-slip silicone handles, these industry standard probes are narrow and fairly sharp for creating and probing a working channel for pedicle screw insertion.

- **NEW! Straight Lenke Probe**
  - Product No. 336000

- **NEW! Curved Lenke Probe**
  - Product No. 337000

  Similar to the straight Lenke type probes, the tips of these are curved for greater access to the pedicles.
**DISTRACTOR**

(602000) Standard screw distractors are angled on the distal end. Instrument will work with most screw/rod systems up to 6.35mm diameter rods.

*Distractor*
Product No. 602000

**SCREW DISTRACTOR**

This unique instrument will distract a construct directly on the screw below the housing without effecting the angulation of the screw housing for proper alignment with the rod.

*Screw Distractor*
Product No. 553100

**DISTRACTOR WITH IN-LINE TIPS**

This in-line version allows for distraction across the lamina thus eliminating any pressure or outside force applied to the pedicle screw construct.

*Distractor with In-Line Tips*
Product No. 553300

**MIS DISTRACTOR**

Smaller sleeker design for use with most tubular or "MIS" retractor systems.

*NEW! MIS Distractor*
Product No. 97-1260
**DISTRACTORS & COMPRESSORS**

**DISTRACTOR WITH 180° ROTATING TIPS**

The adjustable rotating tips allow for creating additional space for other instrumentation while distracting the disc space.

![Distractor with 180 Rotating Tips](image)

**Small Hook Distractor**

Tips are angled 30° leaving space for other instrumentation. The parallel action gives the surgeon better control when distracting against many implant systems.

![Small Hook Distractor](image)
1/4" ROD COMPRESSORS

1/4" Rod Compressor
Product No. 600000

These heavy duty compressors have a parallel action and angled tips for better visualization leaving room for additional instrumentation.

SMALL 1/4" ROD COMPRESSOR

Small 1/4" Rod Compressor
Product No. 604000

LARGE 1/4" ROD COMPRESSOR

Large 1/4" Rod Compressor
Product No. 605000
COMPRESSOR WITH 180° ROTATING TIPS
The unique rotating tips provide better positioning and adjusting for other instrumentation when compressing across a pedicle screw construct.

Reverse Jaw Non-Ratcheting Compressor
With the jaws reversed, the working range is increased to 85mm.

MIS COMPRESSOR
Created for access through small incisions for single and two-level procedures, this small lightweight instrument provides stability and yet strong for its size.

Non-Ratcheting Compressor
Simple parallel action with a working range to 54mm.
These long thin instruments are designed for standard corpectomy procedures.

**Small Ratcheting Rod Compressor**  
Product No. 611000

**Medium Ratcheting Rod Compressor**  
Product No. 612000

**Large Ratcheting Rod Compressor**  
Product No. 613000
**LIGHTWEIGHT ROD CUTTERS**
The patented ratchet cutting technology allows rods to be cut cleanly and without flying across the room. Additionally, the smaller designed sizes will fit into most standard sterile tray systems.

NEW!

3.25mm Ratcheting Lightweight Rod Cutter
Product No. 151400

NEW!

3.5mm Ratcheting Lightweight Handheld Rod Cutter
Product No. 150000

Also Available
4.00mm Ratchet
Product No. 151000

**NON-RATCHETING ROD CUTTERS**

NEW!

2.5mm Non-Ratcheting Handheld Rod Cutter
Product No. 147800

These sleek and lightweight rod cutters are perfect for small rods and "K" wires. By simply squeezing the handles, rods and pins are sheared easily leaving a smooth cut and no wires flying across the room.

Also Available
2.0mm Non-Ratcheting Handheld Rod Cutter
Product No. 147900

**TABLE-TOP ROD CUTTER**

NEW!

5.50mm Table-Top Ratcheting Rod Cutter
Product No. 158000

Also Available
2.0mm Non-Ratcheting Handheld Rod Cutter
Product No. 147900
**RATCHETING ROD CUTTERS**

The patented ratchet cutting technology allows rods to be cut cleanly and without flying across the room. Additionally the smaller designed sizes will fit into most standard sterile tray systems.

**Available in sizes for:**

- 4.75mm
- 5.0mm
- 5.5mm
- 6.0mm
- 6.35mm

**Call for additional sizes**

---

**PLATE & ROD CUTTER**

- **Plate and Rod Cutter 3.5mm Rods**
  Product No. 149000
  Designed to cut 3.5mm cervical rods and customized for various posterior cervical plating systems, all with one instrument.

- **1/4" ROD CUTTER**
  **NEW! 1/4" Rod Cutter with Depth Gauge**
  Product No. 860000
  This all-purpose rod cutter has a "patented guide" within the jaws. The guide minimizes any twisting of larger rods reducing possible breakage.

---

**5.5mm Ratcheting Rod Cutter**
Product No. 147500
3.5mm In-Situ Single Handed Rod Cutter
Product No. 197000
Designed for in-situ cutting of titanium cervical rods. The simple shear action cuts rods cleanly and far superior to standard pin or wire cutting devices.

3.2mm In-Situ Single Handed Rod Cutter*
Product No. 197300
Designed to cut Ø3.2mm (.125”) CoCr implant grade rods

3.5mm In-Situ Double Handed Rod Cutter*
Product No. 197350
Designed to cut Ø3.5mm (.135”) CoCr implant grade rods

*Patent Pending
For use where excellent gripping of spinal rods are required without leaving any marks or possible fracture points. Available for any size rod. Distal ends may be straight or angled for better visibility or leverage.

5.5mm Narrow Nose Product
Product No. 608000

Also Available
3/16" Holder Product
Product No. 608100

1/4" Holder Product
Product No. 608200

5.50mm Narrow Nose Non-Ratcheting Rodholder
Product No. 116000

3/16" Angled Nose
Product No. 100078

1/4" Straight Nose
Product No. 100081S

Also Available
3/16" Holder
Product No. 100078S

5.50mm Narrow Nose Rodholder with Ratchet
Product No. 114000

SSI ROD INSTRUMENTS

ROD HOLDERS

Simple, Easy, Safe and Cost Effective
**SCHLEIN TYPE ROD HOLDER**

A smaller design than the Large Power Grips, these offer better visibility and less cost, but still providing an exceptional grip around the spinal rod.

*Schlein Type Rod Holder*
Product No. 100225

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**ROD GRIPPER**

A smaller design than the Large Power Grips, these offer better visibility and less cost, but still providing an exceptional grip around the spinal rod.

*1/4” Rod Gripper*
Product No. 499600

---

**LARGE POWER GRIP**

This heavy duty type vise grip is perfect for larger scoliosis type cases where rods are difficult to place. The unique distal end design will grab the rod very securely and allow the surgeon to rotate a rod for optimum alignment with the patient’s spine.

*5.50mm Large Power Grip Product*
Product No. 546000

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**BROAD NOSE CLAMP**

Also Available

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<tr>
<th>Product No.</th>
<th>Description</th>
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<tbody>
<tr>
<td>499100</td>
<td>4.50mm Rod Gripper</td>
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<td>499200</td>
<td>3/16” Rod Gripper</td>
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<td>499300</td>
<td>5.00mm Rod Gripper</td>
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<td>5.50mm Rod Gripper</td>
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<td>499800</td>
<td>6.50mm Rod Gripper</td>
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Also Available

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*Also Available*

*Broad Nose Clamp*
Product No. 657000

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**PIVOT TIPPED ROD FORCEPS**

Pivot Tipped Rod Forceps allow the surgeon to hold a rod parallel with the forcep body for insertion into a small working area. By exerting a downward pressure on the forcep, the rod will slowly rotate into the pedicle screw bodies as required. These forceps are made for each diameter rod, with the tips rotating 180+ degrees.

*6.25mm Pivot Tipped Rod Forcep*

Product No. 97-1160

Also Available

- 97-1176 Pivot Tipped Rod Holder, 6.50mm
- 97-1160 Pivot Tipped Rod Holder, 6.25mm
- 97-1162 Pivot Tipped Rod Holder, 6.00mm
- 97-1164 Pivot Tipped Rod Holder, 5.50mm
- 97-1174 Pivot Tipped Rod Holder, 5.00mm
- 97-1166 Pivot Tipped Rod Holder, 4.75mm
- 97-1170 Pivot Tipped Rod Holder, 4.50mm
- 97-1168 Pivot Tipped Rod Holder, 4.00mm
- 97-1172 Pivot Tipped Rod Holder, 3.50mm

**ROD HOLDING FORCEPS**

For the budget conscious, these low cost alternatives are simple yet effective in placing and holding rods for initial tightening of pedicle screws. May also be customized for various screw heads for trauma applications where visibility or room constrains the available working channel.

*5.50mm Rod Holding Forcep*

Product No. 692100

*5.50mm Angled Nose Rod Holding Forcep*

Product No. 692000

*3.50mm Straight Narrow Nose Rod Holding Forcep*

Product No. 692200

**NEW!**

*4.5mm Pivot Tipped Angle Rod Forcep*

Product No. 655425

Part of the patented Pivot Tipped Rod Forcep product line, this device is angled for better visibility and allowing for use of other instrumentation in difficult to reach areas.

*Patented Product*
**ROD BENDERS**

*3mm Rod Bender*
Product No. 802000
Simple and effective hand held rod bender for Ø3mm cervical rods.

*3mm/4mm Dual Rod Bender*
Product No. 802100
Designed for where multiple size rod systems are available with one instrument.

*Rod Bender*
Product No. 97-1315
Designed to bend multiple size spinal rods, from 4.75mm to 6.35mm.
**ROD PERSUADER**

Simple low cost solution for rod reduction with most pedicle screw systems. The fork may be customized for optimum fit with screw housing.

*Rod Persuader*
Product No. 669000

---

**ANTI-TORQUE DEVICE**

Designed to work with most pedicle screw systems, the lower profile makes this product attractive for less invasive procedures. The smaller size also provides better visualization of the construct.

*Anti-Torque Device*
Product No. 824000

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**ROD PUSHER**

Rod Pusher
Product No. 673000

---

**4MM HEX SCREWDRIVER**

4mm Hex Screwdriver
Product No. 504100
**ROD REDUCTION DEVICE**

Customized for each pedicle screw system, the ratcheting tube will grip the housing securely and then reduce the rod into the seat of the housing, thus eliminating cross threading and improper tightening of setscrews. The tube is cannulated to accept up to a 10mm diameter setscrew or smaller.

*Rod Reduction Device*
Product No. 835000

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**UNIVERSAL ROTARY ROD CUTTER**

Simple leverage technology cuts rods cleanly and easily. When multiple rod sizes are available, simply change out the Rod Cutter Cartridge for cost savings.

*Universal Rotary Rod Cutter*
Product No. 97-1060

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**Rod cutter cartridges**

<table>
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<td>97-1048</td>
<td>6mm Rod Cutter Cartridge</td>
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<tr>
<td>97-1049</td>
<td>7mm Rod Cutter Cartridge</td>
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</table>
Why consider Swivel Port?

Have you:
Evaluated various MIS retractor systems but haven’t found one that satisfied your needs and budget?

Are you:
• Using a tubular retraction system but suspect there “should be” a better and less expensive alternative, providing greater visualization and stability at an affordable cost?
• Doing open procedures but need to provide your patients an MIS Solution?
• Under pressure from OR administration to SAVE cost and minimize expensive disposable fees?

* Patented and Patent Pending

View the swivel port in action at www.SpineSurgicalInnovation.com and YouTube

Most people spend more time and energy going around problems than in trying to solve them."

- Henry Ford
Benefits of the Swivel Port System

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 an adjustable width at the spine level;
• The comprehensive, reusable system is priced competitively and less expensive than “bundled” and “disposable” alternatives;
• Offers a flexible system which can be used with most pedicle screw and implant systems;
• Eliminates muscle creep.

The Swivel Port System offers:

• A great transitional system to get you from ‘open’ procedures to a truly easy to set up and use MIS system, preserving the visualization you need and the stability you require
• The lowest cost on the market providing the opportunity to acquire multiple sets for efficient processing and quick Operating Room turnover
• No Disposable or Consumable costs
• Full range of systems for most posterior procedures
• A great replacement for expensive “tube” systems

NEW! For Improved Angulation
NEW! For Multi-level Fusions
NEW! For Additional Utility

View the swivel port in action at www.SpineSurgicalInnovation.com and YouTube
The Swivel Standard Ports come in both 19mm and 27mm working apertures with various lengths for both Lumbar and Cervical procedures. They are made of titanium, and are partially radiolucent.

The standard ports come with both equal length blades and offset blades which allow the ports to rest firmly on bone. By doing this, muscle creep is kept to a minimum and the surgeon has more visibility and room to work.

The new Swivel Port OVOID is slightly wider in the superior and inferior plane to 35mm, providing a slightly wider working aperture in the proximal and distal widths for access for multi-level fusions.

**Expandable Blades**
The expander blades are inserted into the open swivel base port. Once inserted, they are expanded in a superior/inferior plane to give open access along the spine as needed.

**Standard Port Screws**
The Standard configuration uses a screw activated retractor mechanism to provide you flexible retraction where and when you need it.

Top view of NEW Swivel Port OVOID
SYSTEM INCLUDES:
Swivel Port Set
Table Mounted Flex Arm

OPTIONAL:
Curette Sets (pages 40 & 41)
Dilator Set (page 35)
Light Set (page 34)

INCLUDED IN SET:

Swivel Standard 19 Lumbar Tray
19mm 97-1839

Rotating Ring
Swivel Standard Lumbar 19 97-1720
Used to rotate Swivel Port blades

Screwdriver & Allen Wrench
Screwdriver 97-1408
Allen Wrench 97-1690
Used to open/close swivel port expander blades
Cobb Elevator 19mm 97-1333
The multi-purpose Cobb elevator can be used to do initial distraction while cutting through the fascia and then used to move muscle and tissue from the lamina facets and spinous process.

Handle
Swivel Standard Lumbar 19 97-1721
The handle is used to hold swivel ports as both a simple tissue retractor and to stabilize open ports during surgery. The handle arm is bent to allow for minor adjustments during surgery as may be required. A standard flexible arm may be attached to the handle for added stability.

Table Mounted Flex Arm
Product No. 97-1156

Now Available with 360° Bevel and Optional Side Pins

For improved instrument angulation

<table>
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<tr>
<th>Blade Length</th>
<th>Equal Blade Product #</th>
<th>Offset Blade Product #</th>
<th>Expander Blade Product #</th>
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<td>97-1840-50</td>
<td>97-1841-50</td>
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<td>80mm</td>
<td>97-1840-80</td>
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</table>
Swivel Port MIS Systems

**SYSTEM INCLUDES:**
Swivel Port Set  
Table Mounted Flex Arm

**OPTIONAL:**
Curette Sets (pages 40 & 41)  
Dilator Set (page 35)  
Light Set (page 34)

---

**STANDARD LUMBAR 27 SYSTEM**

---

Distal Aperture opens from 27mm width to 80mm, depending on length and surgeons case requirement.

<table>
<thead>
<tr>
<th>Blade Length</th>
<th>Equal Blade Product #</th>
<th>Offset Blade Product #</th>
<th>Expander Blade Product #</th>
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<tr>
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<td>88mm</td>
<td>97-1291</td>
<td>97-1294</td>
<td>97-1297</td>
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</tbody>
</table>

**Now Available with optional Side Pins**

"All things are difficult before they are easy." - Thomas Fuller

---

27mm width Aperture

28 MIS Systems  | View the swivel port in action at www.SpineSurgicalInnovation.com and YouTube
Swivel Standard 27 Lumbar Tray
27mm 97-1140

Handle
Swivel Standard Lumbar 27 97-1298
The handle is used to hold swivel ports as both a simple tissue retractor and to stabilize open ports during surgery. The handle arm is bent to allow for minor adjustments during surgery as may be required. A standard flexible arm may be attached to the handle for added stability.

Cobb Elevator
19mm 97-1333
The multi-purpose Cobb elevator can be used to do initial distraction while cutting through the fascia and then used to move muscle and tissue from the lamina facets and spinous process.

Rotating Ring
Swivel Standard Lumbar 27 97-1299

Screwdriver & Allen Wrench
Screwdriver 97-1408
Allen Wrench 97-1690
Used to open/close swivel port expander blades

Flex Arm
Product No. 97-1156
The flexible arm assists the surgeon with securing the port to the table for added stabilization. The arm may be attached to the opposite side of the table and then secured easily and quickly to the port handle. By mounting on the opposite side of the table the surgeon has less interferences and more room to work.
NEW! Swivel OVOID

Port with Handle

Wider width of 35mm in superior/inferior plane of proximal working aperture for surgeons doing multi-level procedures.

Distal width is adjustable by the surgeon.

More width at proximal aperture for multi-level fusion access.

<table>
<thead>
<tr>
<th>Blade Length</th>
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<th>Offset Blade Product #</th>
<th>Expander Blade Product #</th>
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<td>70mm</td>
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<td>97-3500-80</td>
<td>97-3501-80</td>
<td>97-3502-80</td>
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</tbody>
</table>

View the swivel port in action at www.SpineSurgicalInnovation.com and YouTube.
**Swivel Standard OVOID Lumbar Tray**
Product No. **97-2735**

The flexible arm assists the surgeon with securing the port to the table for added stabilization. The arm may be attached to the opposite side of the table and then secured easily and quickly to the port handle. By mounting on the opposite side of the table the surgeon has less interferences and more room to work.

**Handle**
Swivel OVOID **97-3503**
The handle is used to hold swivel ports as both a simple tissue retractor and to stabilize open ports during surgery. The handle arm is bent to allow for minor adjustments during surgery as may be required. A standard flexible arm may be attached to the handle for added stability.

**Cobb Elevator**
19mm **97-1333**
The multi-purpose Cobb elevator can be used to do initial distraction while cutting through the fascia and then used to move muscle and tissue from the lamina facets and spinous process.

**Rotating Ring**
Swivel OVOID **97-3504**

**Screwdriver & Allen Wrench**
Screwdriver **97-1408**
Allen Wrench **97-1690**
Used to open/close swivel port expander blades
All Swivel Ports Now available in Side Pin Configurations

Offers additional utility and flexibility

New Side Pins on Expandable Blades

Features
- Expander blade slides down dilator
- Handle mounting on expander blade
- Table mounting Flex Arm available
- Simply add the base port for more stability
The Swivel Ports are partially radiolucent.

CERVICAL 19 SYSTEM

INCLUDED IN SET:

Swivel Standard 19 Cervical Tray
19mm 97-1839

Screwdriver & Allen Wrench
Screwdriver 97-1408
Allen Wrench 97-1690
Used to open/close swivel port expander blades

Rotating Ring
Swivel Standard Lumbar 19 97-1720

Flex Arm
Product No. 97-1156
The flexible arm assists the surgeon with securing the port to the table for added stabilization. The arm may be attached to the opposite side of the table and then secured easily and quickly to the port handle. By mounting on the opposite side of the table the surgeon has less interferences and more room to work.

Handle
Swivel Standard Lumbar 19 97-1721
The handle is used to hold swivel ports as both a simple tissue retractor and to stabilize open ports during surgery. The handle arm is bent to allow for minor adjustments during surgery as may be required. A standard flexible arm may be attached to the handle for added stability.

Cobb Elevator
19mm 97-1333
The multi-purpose Cobb elevator can be used to do initial distraction while cutting through the fascia and then used to move muscle and tissue from the lamina facets and spinous process.
FLEX ARM & TABLE ADAPTER

Table Mounted Flex Arm
Product No. 97-1156

Swivel Standard Light
19mm 97-1157
27mm 97-1157
OVOID 97-3505

Jackson Table Adaptor
Product No. 72225

Storz Light Tube Adaptor
Product No. 311000

Wolf Light Tube Adaptor
Product No. 312000

NEW!

LIGHT SETS

The following light tubes are only 3mm in diameter and easily mount on the ports. Each source may be rotated and placed in the area best suited for optimum illumination. Light tubes are attached to a standard light source and cable.

View the swivel port in action at www.SpineSurgicalInnovation.com
**NEW! DILATORS**

Optional Dilation Set for surgeons using dilation for primary access to spine

---

**Standard 19 track dilator set with tray**

Product No. 97-1786
Includes dilators: 1,2,3,4/19,5/track for use with 19mm Swivel Port

**Standard 27 track dilator set with tray**

Product No. 97-1787
Includes dilators: 1,2,3,4,5,6,7/track for use with 27mm and OVOID Swivel Port

---

**Also Available**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>97-1780</td>
<td>#1 Dilator</td>
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<tr>
<td>97-1781</td>
<td>#2 Dilator</td>
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<td>97-1782</td>
<td>#3 Dilator</td>
</tr>
<tr>
<td>97-1783</td>
<td>#4 Dilator</td>
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<tr>
<td>97-1789</td>
<td>#4-19MM Dilator</td>
</tr>
<tr>
<td>97-1790</td>
<td>#5-19MM Track Dilator</td>
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<tr>
<td>97-1784</td>
<td>#5 Dilator</td>
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<td>97-1785</td>
<td>#6 Dilator</td>
</tr>
<tr>
<td>97-1788</td>
<td>#7-27 MM Track Dilator</td>
</tr>
</tbody>
</table>

---

**Track Dilator designed to accommodate Flange of Swivel Port base blades**
TORQUE LIMITERS
All torque products are rigorously tested to standards that are higher than the ASTM standard.

T-HANDLE TORQUE LIMITER

These new style limit devices provide an excellent solution to always having a reliable and predictable device on hand. The accuracy and longevity have been tested to the highest standards in the industry today. We dare you to compare! Please specify what torque (-XX), handle color, and connection required.

IN-LINE TORQUE LIMITER

*Patent Pending
TORQUE LIMITERS

Designed for tightening screw constructs, the thin sleek shafts allow for use with most MIS port systems and anti-torque devices.

27 Lbf/in (3Nm) Torque Limit Device, 3mm Hex Tip
Product No. 306000

106 Lbf/in (12Nm) Torque Limit Device, 5mm Hex Tip
Product No. 307000

71 Lbf/in (8Nm) Torque Limit Device, 4mm Hex Tip
Product No. 308000

"HUDSON STYLE" QUICK CONNECT

Torque limit devices can be ordered with a variety of "Quick Connect" ends and set for your individual specific torque requirement.

Product No. 570000-XXX
Product No. 595100-XXX
Product No. 560000-XX
Product No. 561000-XX
Product No. 306000
Product No. 307000
Product No. 308000
Product No. 561000-XX
Product No. 560000-XX
Different from standard "limiting" devices, these measure actual torque applied to constructs. Available in a variety of configurations and quick connects to suit most applications.

**In-Line Disc Torque Measure Device**
55 lbf-in, 1/4" Quick Connect
Product No. 584000

**In-Line Dial Torque Measure Device**
55 lbf-in, 1/4" Quick Connect
Product No. 584100
Different from standard “limiting” devices, these measure actual torque applied to constructs. Available in a variety of configurations and quick connects to suit most applications.

4mm Hex Torque Indicator Device, 4Nm
Product No. 370000

Patent Pending

Product No. 367000-XX

Please specify: XX - Torque requirement Tip configuration

These “Indicator” type products give the surgeon much better control to set torque on an individual basis. They eliminate the snap or jarring action associated with limiting type devices.

Product No. 586000
BAYONET CURETTE SET
Microdiscectomy
Hemilaminectomy
Foraminotomy
Laminectomy

Bayonet Curette Set  Product No. 97-1144

BAYONET CURETTE SET FOR FUSIONS

Nerve Hook Retractor, 5mm
PN 97-1825

Spatula Dissector, 3.8mm Wide
PN 97-1639

90° Ball Probe 2.5mm dia Tip x 10mm Length PN 97-1811

Curved Ball Probe 2.5mm dia Tip PN 97-1810

Penfield Probe, 3.3mm, Narrow PN 97-1809

Penfield Probe, 6.6mm, Wide PN 97-1808

Straight, 3.8mm x 6mm PN 97-1803

10° Backward Bend, 3.8mm x 6mm PN 97-1801

Angled Forward Cutting, 3.8mm x 6mm PN 97-1802

Angled Forward Cutting Gouge, 5mm x 8mm PN 97-1812

Straight Left Cutting Teardrop, 7.75, Wide PN 97-1804

3.8mm x 6mm Angled Forward Cutting Gouge PN 97-1807

Up Fenestrated Left Cutting Teardrop Curette, 7.75mm wide PN 97-1806

Up Fenestrated Right Cutting Teardrop Curette, 7.75mm wide PN 97-1805

Bayonet Curette Set for Fusions  Product No. 97-1143

Great for use under microscopes

Nerve Hook Retractor, 5mm
PN 97-1825

Spatula Dissector, 3.8mm Wide
PN 97-1639

Curved Tip Ball Probe 1.7mm dia
PN 97-1822

Penfield Probe, 3mm, Narrow
PN 97-1821

20° Oval End Cut Gouge, 3mm x 5mm
PN 97-1819

10° Backward Bend Oval, 3mm x 5mm
PN 97-1818

Up Cutting Straight, 3mm x 5mm
PN 97-1817

Down Cutting Straight, 3mm x 5mm
PN 97-1820

90° Ball Probe 1.7mm dia Tip x 8.4mm Length
PN 97-1823
**TLIF SET**

Product No. 770100

Curette set is specifically designed for "TLIF" and "PLIF" type procedures. The handles have a unique easy on/easy off patented design allowing for flexibility to change handles during a procedure. Each set comes with a set of 6 handles.

- 19mm Cobb Elevator PN 97-1491
- 9mm x 11mm Straight Osteotome PN 97-1516
- 9mm x 10mm Angled Osteotome PN 97-1468
- 25mm Cobb Elevator PN 97-1492
- 30° Left Fenestrated Cup Curette PN 97-1461
- #1 Oval End Cutting Curette PN 97-1467
- 30° Right Serrated #1 Cup Curette PN 97-1466
- 30° Left Serrated #1 Cup Curette PN 97-1465
- 10" Green Molded Light Weight Modular Handle PN 855000
- Straight Serrated #1 Cup Curette PN 97-1467
- 30° Right Fenestrated Cup Curette PN 97-1463

SSI GENERAL INSTRUMENTS

Simple, Easy, Safe and Cost Effective
OSTEOTOMES

- **Osteotome**
  - Product No. 812000
- **6mm Wide Curved Osteotome**
  - Product No. 812100

TAMPS

Available in both straight and bayonet versions, the thin diameter shafts allow for excellent visibility when tamping bone grafts into the disc space.

- **8mm Round Bayonet Tamp 25cm overall length**
  - Product No. 97-1199
- **Also Available**
  - Product No. 97-1198
- **8mm x 16mm Straight Oval Tamp**
  - Product No. 97-1206
- **8mm x 16mm Bayonet Oval Tamp**
  - Product No. 97-1207
HANDHELD ROD DEBURRER
Easily remove sharp edges from cut rods with either hand-held deburring tool or “quick connect” styles for screwdrivers or power tool devices.

Handheld Rod Deburrer
Product No. 658000

QUICK CONNECT ROD DEBURRERS
Product No. 658100
Product No. 658300
Product No. 658200

K-WIRE REMOVAL INSTRUMENT
Designed to grasp multiple size “K” wires up to 2mm efficiently and with ease.

K-Wire Removal Instrument
Product No. 698000
**MIS Distractor**

Product No. 97-1260
Distraction becomes easy with this instrument. Designed specifically for the Swivel Standard Port System, it fits easily through the center aperture and works with numerous pedicle screw systems. Its smooth sleek design allows for visualization for the surgeon while distracting implants.

**Compressor**

Product No. 97-1270
This innovative compressor is designed specifically to work with the Swivel Standard Port system. It is small enough to pass through the aperture and yet open up to compress across most screw construct designs.

**Pivot Tipped Rod Forceps***

Product No. 97-1160
Pivot Tipped Rod Forceps allow the surgeon to hold a rod parallel with the forcep body for insertion into a small working area. By exerting a downward pressure on the forcep, the rod will slowly rotate into the pedicle screw bodies as required. These forceps are made for each diameter rod, with the tips rotating 180+ degrees.

**Also Available**

- 97-1176  Pivot Tipped Rod Holder, 6.50mm
- 97-1160  Pivot Tipped Rod Holder, 6.25mm
- 97-1162  Pivot Tipped Rod Holder, 6.00mm
- 97-1164  Pivot Tipped Rod Holder, 5.50mm
- 97-1174  Pivot Tipped Rod Holder, 5.00mm
- 97-1166  Pivot Tipped Rod Holder, 4.75mm
- 97-1170  Pivot Tipped Rod Holder, 4.50mm
- 97-1168  Pivot Tipped Rod Holder, 4.00mm
- 97-1172  Pivot Tipped Rod Holder, 3.50mm

*Patented
**Disc Forceps**

The following instrumentation are supportive tools that may be required for various procedures, depending upon the surgeon's preference. Each item is designed with giving the surgeon the utmost possible viewing area yet keeping stability, comfort and ease of use in mind.

**Up-Biting Disc Forceps**
2mm 97-1106
Small angled tips allow for great visibility through all size Ports for delicate tissue removal.

**Straight Disc Forceps** Product No. 97-1155

**Ronguers**

**Curved Tip Kerrison Ronguer**
2mm 97-1107

**Straight Ronguer**
2mm 97-1155
3mm 97-1265
4mm 97-1266
**FORCEPS**

Bipolar Forceps are bayonet style with 1.5mm straight working tips. Available as both disposable or re-usable instruments.

**Disposable Bipolar Forceps**
15cm working offset long 24cm overall length
Product No. 97-1153

**RE-USABLE Bipolar Forcep**
15cm working offset long 25.4cm overall length
Product No. 97-1253

---

**Bayonet Scissors**

97-1154 11.5” Overall length
The tip is angled 20° from the shaft and has a 7mm spherical radius cutout inside the tines. Bayonet Scissors are long and slender for great viewing area. The tips are slightly curved for good visualization while cutting tissue.

---

**Bayonet Surgical Blade Holder**
Product No. 97-1108
For use with standard #11 & #15 disposable surgical blades. Bayonet design allows for optimum visibility.
<table>
<thead>
<tr>
<th>Product Description</th>
<th>P/N</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>#1 Oval End Cutting Curette</td>
<td>97-1467</td>
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<tr>
<td>10° Backward Bend Cutting Curette, 3.8mm x 6mm</td>
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<td>10° Backward Bend Oval Cutting Curette, 3mm x 5mm</td>
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<tr>
<td>20° Oval End Cut Gouge, 3mm x 5mm</td>
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<tr>
<td>30° Left Serrated #1 Cup Curette</td>
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<tr>
<td>30° Right Fenestrated Cup Curette</td>
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<tr>
<td>30° Left Fenestrated Cup Curette</td>
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<tr>
<td>90° Ball Probe, 2.5mm dia Tip x 10mm Length</td>
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<td>90° Ball Probe, 1.7mm dia Tip x 8.4mm Length</td>
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<td>Allen Wrench</td>
<td>97-1690</td>
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<td>Angled Double Sided Rasp</td>
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<td>Angled Forward Cutting Gouge, 3.8mm x 6mm</td>
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<td>Angled Osteotome, 9mm x 10mm</td>
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<td>Anti-Torque Device</td>
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<td>Broad Nose Clamp</td>
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<td>Cobb Elevator, 19mm</td>
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<td>Compressor with 180° Rotating Tips</td>
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<td>Disc Forcep, Straight</td>
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<td>Disc Forcep, U-Biting</td>
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<td>Disposable Drill</td>
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<tr>
<td>Distractor with 180° Rotating Tips</td>
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<td>Distractor with In-line Tips</td>
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<td>Down Cutting Straight, 3mm x 5mm</td>
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<td>Forcep, Disposable Bipolar</td>
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<td>Forcep, Re-Usable Bipolar</td>
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<td>Handheld Rod Deburrer</td>
<td>658000</td>
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<tr>
<td>Handle, Molded Light Weight Modular 10°, Green</td>
<td>855000</td>
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<tr>
<td>Handle, Swivel OVOID</td>
<td>97-3503</td>
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<td>Handle, Swivel Standard Lumbar</td>
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<td>Hex Polaxial Screwdriver, 2.5mm</td>
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<td>Hex Screwdriver, 4mm</td>
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<td>Hudson Style Quick Connect Torque Limiter</td>
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<tr>
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For more information

Call: 1-800-350-8188
Text: 781-856-0900
Email: sales@spinesurgicalinnovation.com
Visit our website: www.SpineSurgicalInnovation.com

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