

Spyder™ Mini-Open Retractor System



Aesculap Spine

Spyder™ Retractor System

The Spyder Mini-Open Retractor System is designed to provide patients all the benefits of Minimally Invasive (MI) Surgery while minimizing the surgeons' learning curve and radiation exposure as compared to percutaneous surgery. When partnered with S⁴ Element® and our interbody products, the Spyder Mini-Open Retractor System is ideally suited to provide patients the benefits of MI Surgery.



Features and Benefits:

The mini-open technique typically provides Retractor access to the spine through a 30 mm bi-lateral transmuscular approach. The major benefits of the mini-open technique include:

- Muscle splitting versus muscle stripping (occurs with a midline open technique) results in quicker recovery times, less blood loss, and improved patient satisfaction.
- Direct visualization to the spine greatly reduces radiation exposure as well as the surgeon's learning curve because the anatomical landmarks can be seen without fluoroscopic guidance.
- Maximum exposure through a minimal incision allows for improved decompression and interbody placement.
- Easier screw and rod insertion in morbidly obese patients as compared to the open technique due to the direct line approach to the surgical site; hence, large retractors are not needed to pull the soft tissue laterally to gain the angular pedicle approach.

Spyder™ Retractor Instrument Overview

Spyder™ Mini-Open Blade Selection

Item No.	Description	Blade Shape/ Diameter	Blade Length	
ME319T – ME326T	24 mm Cranial/Caudal Blades	24 mm Tubular	40 – 110 mm	
ME365T – ME372T	20 mm Cranial/Caudal Blades	20 mm Tubular	40 – 110 mm	
ME342T – ME349T	16.5 mm Cranial/Caudal Blades	16.5 mm Tubular	40 – 110 mm	
ME327T – ME334T	7 mm Medial/Lateral Delta Blades	7 mm Delta	40 – 110 mm	
ME287T – ME293T	7 mm Medial/Lateral Straight Blades	7 mm Straight	40 – 100 mm	
ME373T – ME379T	20 mm Medial/Lateral Straight Blades	20 mm Straight	40 – 100 mm	
ME357T – ME364T	20 mm Medial/Lateral Delta Blades	20 mm Delta	40 – 110 mm	

Dilator Components

Item No.	Description	Diameter	
ME389T	Spyder Retractor TI Tissue Dilator	6 mm	
ME390T	Spyder Retractor TI Tissue Dilator	10 mm	
ME391T	Spyder Retractor TI Tissue Dilator	16.5 mm	
ME392T	Spyder Retractor TI Tissue Dilator	20 mm	
ME393T	Spyder Retractor TI Tissue Dilator	24 mm	

Dilator Component

Item No.	Description
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ME394T	Spyder™ Retractor Tissue Dilator Handle
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Retractor Components

Item No.	Description
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ME300R ME301R	Spyder Retractor Upper Right Frame Arm Spyder Retractor Upper Left Frame Arm
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ME302R ME303R	Spyder Retractor Lower Right Frame Arm Spyder Retractor Lower Left Frame Arm
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ME304R	Spyder Retractor Mini-Open Frame Rack
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ME380R	Spyder Retractor Frame Arm Rotator
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Spyder™ Retractor Instrument Overview

Blade Removal

Item No.	Description
ME381R	Spyder Retractor Blade Handle

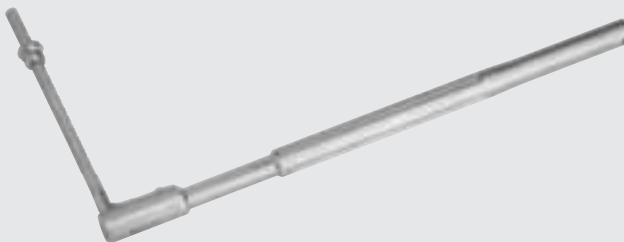


MIS Implant Instruments

Item No.	Description
ME299R	S ⁴ MIS Set Screw Driver



ME396R	S ⁴ MIS Counter Torque Tube
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ME307R	S ⁴ MIS Compressor Handle
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ME308R	S ⁴ MIS Distractor Handle
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ME309R	S ⁴ MIS Counter Torque Handle
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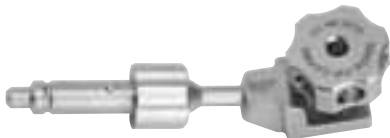
ME314R	S ⁴ MIS Set Screw Starter
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ME395R	MIS Clicking Torque Wrench
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Table Stabilization

Item No.	Description	
ME382R	Spyder™ Table Arm Pivot Connection Block	
FF168R	Mechanical Holding Arm	
FF280R	Flexible Fixation Element (3-D Arm Table Connector)	
FF169270	Silicone Disk	
RT040R	Unitrac™ Holding Arm	
GA468	Pneumatic Air Hose	

Spyder™ Retractor Instrument Overview

Lighting Components

Item No.	Description	
ME422R	2.5 mm Diameter, 250 cm Length Light Cable	
TE682R	Adapter for Light Cable	

Spyder™ Retractor Set Configurations

ST0363 Blade Tray Set – Spyder Mini-Open Retractor Set List



Item No.	Description	Set Qty.
ME295	Spyder Mini-Open Blade Tray	1
ME296	Spyder Mini-Open Blade Tray Lid	1
JN444	Full-Size Perf Bottom 187 mm	1
JK489	Full-Size Lid w/Retention Plate Silver	1
ME319T	Spyder Retractor C/C Blade 24 x 40 mm	2
ME320T	Spyder Retractor C/C Blade 24 x 50 mm	2
ME321T	Spyder Retractor C/C Blade 24 x 60 mm	2
ME322T	Spyder Retractor C/C Blade 24 x 70 mm	2
ME323T	Spyder Retractor C/C Blade 24 x 80 mm	2
ME324T	Spyder Retractor C/C Blade 24 x 90 mm	2
ME325T	Spyder Retractor C/C Blade 24 x 100 mm	2
ME326T	Spyder Retractor C/C Blade 24 x 110 mm	2
ME365T	Spyder Retractor C/C Blade 20 x 40 mm	2
ME366T	Spyder Retractor C/C Blade 20 x 50 mm	2
ME367T	Spyder Retractor C/C Blade 20 x 60 mm	2
ME368T	Spyder Retractor C/C Blade 20 x 70 mm	2
ME369T	Spyder Retractor C/C Blade 20 x 80 mm	2
ME370T	Spyder Retractor C/C Blade 20 x 90 mm	2
ME371T	Spyder Retractor C/C Blade 20 x 100 mm	2
ME372T	Spyder Retractor C/C Blade 20 x 110 mm	2
ME342T	Spyder Retractor C/C Blade 16.5 x 40 mm	2
ME343T	Spyder Retractor C/C Blade 16.5 x 50 mm	2
ME344T	Spyder Retractor C/C Blade 16.5 x 60 mm	2
ME345T	Spyder Retractor C/C Blade 16.5 x 70 mm	2
ME346T	Spyder Retractor C/C Blade 16.5 x 80 mm	2
ME347T	Spyder Retractor C/C Blade 16.5 x 90 mm	2
ME348T	Spyder Retractor C/C Blade 16.5 x 100 mm	2
ME349T	Spyder Retractor C/C Blade 16.5 x 110 mm	2

Spyder™ Retractor Set Configurations

ST0363 Blade Tray Set – Spyder Mini-Open Retractor Set List (cont.)



Item No.	Description	Set Qty.
ME327T	Spyder Retractor Delta Blade 7 x 17 x 40 mm	1
ME328T	Spyder Retractor Delta Blade 7 x 19 x 50 mm	1
ME329T	Spyder Retractor Delta Blade 7 x 22 x 60 mm	1
ME330T	Spyder Retractor Delta Blade 7 x 24 x 70 mm	1
ME331T	Spyder Retractor Delta Blade 7 x 27 x 80 mm	1
ME332T	Spyder Retractor Delta Blade 7 x 29 x 90 mm	1
ME333T	Spyder Retractor Delta Blade 7 x 31 x 100 mm	1
ME334T	Spyder Retractor Delta Blade 7 x 34 x 110 mm	1
ME287T	Spyder Retractor M/L Curved Blade 7 x 40 mm	1
ME288T	Spyder Retractor M/L Curved Blade 7 x 50 mm	1
ME289T	Spyder Retractor M/L Curved Blade 7 x 60 mm	1
ME290T	Spyder Retractor M/L Curved Blade 7 x 70 mm	1
ME291T	Spyder Retractor M/L Curved Blade 7 x 80 mm	1
ME292T	Spyder Retractor M/L Curved Blade 7 x 90 mm	1
ME293T	Spyder Retractor M/L Curved Blade 7x100 mm	1
ME373T	Spyder Retractor M/L Curved Blade 20 x 40 mm	1
ME374T	Spyder Retractor M/L Curved Blade 20 x 50 mm	1
ME375T	Spyder Retractor M/L Curved Blade 20 x 60 mm	1
ME376T	Spyder Retractor M/L Curved Blade 20 x 70 mm	1
ME377T	Spyder Retractor M/L Curved Blade 20 x 80 mm	1
ME378T	Spyder Retractor M/L Curved Blade 20 x 90 mm	1
ME379T	Spyder Retractor M/L Curved Blade 20 x 100 mm	1
ME357T	Spyder Retractor Delta Blade 20 x 26 x 40 mm	1
ME358T	Spyder Retractor Delta Blade 20 x 29 x 50 mm	1
ME359T	Spyder Retractor Delta Blade 20 x 32 x 60 mm	1
ME360T	Spyder Retractor Delta Blade 20 x 35 x 70 mm	1
ME361T	Spyder Retractor Delta Blade 20 x 37 x 80 mm	1
ME362T	Spyder Retractor Delta Blade 20 x 40 x 90 mm	1
ME363T	Spyder Retractor Delta Blade 20 x 43 x 100 mm	1
ME364T	Spyder Retractor Delta Blade 20 x 43 x 110 mm	1

ST0364 Retractor / Dilator – Spyder™ Mini-Open Retractor Set List

Item No.	Description	Set Qty.
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ME847 Spyder Mini-Open Retractor Tray Top Layer 1

ME848 Spyder Mini-Open Retractor Tray Bottom Layer 1

ME849 Spyder Mini-Open Retractor Tray Base 1

ME298 Spyder Mini-Open Retractor Tray Lid 1

JN444 Full-Size Perf Bottom 187 mm 1

JK489 Full-Size Lid w/Retention Plate Silver 1

ME389T Spyder Retractor TI Tissue Dilator 6 mm 1

ME390T Spyder Retractor TI Tissue Dilator 10 mm 1

ME391T Spyder Retractor TI Tissue Dilator 16.5 mm 1

ME392T Spyder Retractor TI Tissue Dilator 20 mm 1

ME393T Spyder Retractor TI Tissue Dilator 24 mm 1

ME394T Spyder Retractor Tissue Dilator Handle 2

ME300R Spyder Retractor Upper Right Frame Arm 1

ME301R Spyder Retractor Upper Left Frame Arm 1

ME302R Spyder Retractor Lower Right Frame Arm 1

ME303R Spyder Retractor Lower Left Frame Arm 1

ME304R Spyder Retractor Mini-Open Frame Rack 2

ME380R Spyder Retractor Frame Arm Rotator 2

ME381R Spyder Retractor Blade Handle 2

ME299R S⁴® MIS Set Screw Driver 1

ME396R S⁴ MIS Counter Torque Tube 1

ME307R S⁴ MIS Compressor 1

ME308R S⁴ MIS Distractor 1

ME309R S⁴ MIS Counter Torque Handle 1

ME314R S⁴ MIS Set Screw Starter 1

ME382R Spyder Table Arm Pivot Connection Block 1

ME395R S⁴ MIS Clicking Torque Wrench 1

ME422R Lightcable Diameter 2.5 Length: 250 cm 1

TE682R Adapter for Light Cable 1



Spyder™ Retractor Set Configurations

ST0365 Mechanical Table Arm – Spyder™ Mini-Open Retractor Set List



Item No.	Description	Set Qty.
ME312	Spyder Mechanical Table Arm Tray	1
ME313	Spyder Mechanical Table Arm Tray Lid	1
JN444	Full-Size Perf Bottom 187 mm	1
JK489	Full-Size Lid w/Retention Plate Silver	1
FF168R	Mechanical Holding Arm	1
FF280R	Flexible Fixation Element (3-D Arm Table Connector)	1
FF169270	Silicone Disk	1

ST0366 UNITRAC™ Table Arm – Spyder Mini-Open Retractor Set List



Item No.	Description	Set Qty.
ME317	Spyder Unitrac Table Arm Tray	1
ME318	Spyder Unitrac Table Arm Tray Lid	1
JN444	Full-Size Perf Bottom 187 mm	1
JK489	Full-Size Lid w/Retention Plate Silver	1
FF280R	Flexible Fixation Element (3-D Arm Table Connector)	1
FF169270	Silicone Disk	1
RT040R	Unitrac Holding Arm	1
GA468	Pneumatic Air Hose	1

The following outlines the sets required to perform a 1 or 2-level mini-open fusion surgery.

Set	Description	Quantity
ST0363	Spyder™ Mini-Open Blade Set	1
ST0365	Mechanical Holding Arm	1
ST0366*	Unitrac™ Pneumatic Holding Arm*	1
ST0418 (Solid Screws)	S ⁴ ® Implant and Instrument Set	1
ST0368 (Solid Screws)	S ⁴ Element® Implant and Instrument Set	1

**Note: ST0366 is optional. Some surgeons prefer a mechanical holding arm versus a pneumatic holding arm.*

Optional Sets: The S⁴ MIS sets may also be used with the Spyder Retractor for a mini-open procedure.

Set	Description	Quantity
ST0287 (Cannulated Screws)	S ⁴ MIS Implant Set	1
ST0288	S ⁴ MIS Instrument Set	1
ME807	Aspiration Needle 8GA x 150 mm	1
ME808SU	Aspiration Needle 10GA x 190 mm	1

The ME807 & ME808SU are single use aspiration needles, which may be used in place of the T-handle trocar in the S⁴ MIS Instrument set.

It is designed to create an entry point in cortical bone.

Optional Billable Items	Description	Quantity
ME399**	Spyder Procedure Charge**	1

***Note: ME399 allows Aesculap to track the number of Spyder Retractor procedures performed.*

Please contact Aesculap Implant Systems for TLIF and PLIF interbody product selection in both allograft and PEEK.

For additional information, contact Customer Service at 1-866-229-3002 or visit our website at www.aesculapimplantsystems.com/SpineMIS.

Notes

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