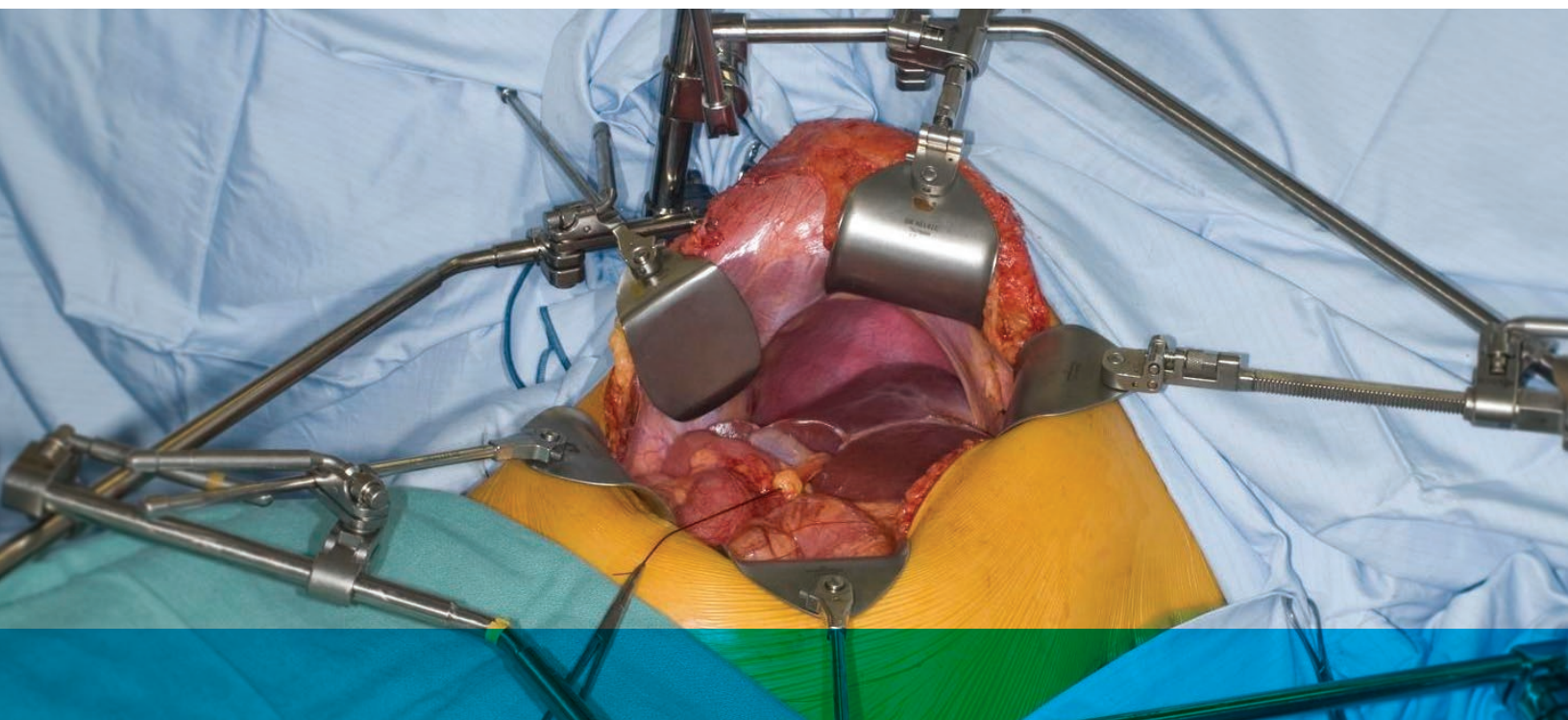




- General
- General / Vascular
- Transplant
- Radiolucent Hepatobiliary
- Obesity
- Oncology
- Pediatric
- Thyroid
- Laparoscopic

Uncompromised Exposure

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Thompson Retractor

Innovation In Surgical Retraction

Thompson Surgical Instruments, Inc. is the market leader in surgical retraction and the original manufacturer of the table mounted retractor.

In use for over fifty years, the Thompson Retractor is the only mechanical retractor to offer one frame for all exposure needs, multi-planed independent retraction, and unlimited customization.

We understand the value of exposure in successful surgery and are dedicated to providing innovative, high quality retractor systems that deliver safe, versatile, low-profile retraction.

General/Vascular, Transplant, and Oncology surgeons will benefit from the Thompson Retractor's ability to provide Uncompromised Exposure for a variety of procedures ranging from basic to complex liver, abdominal, and pelvic cases.

Thompson Retractor Frames

Uncompromised Exposure

Strong and stable, Thompson Retractor Frames offer independently adjustable lateral arms to enable versatile retraction and maintain a low-profile operating field. All frame kits include patented one-piece retractor handles with S-Lock®, angling and micro-adjustable features. These low-profile handles support all of our blades for exceptional retraction and exposure.



Sterile Mount Rail Clamp

Table mounted frame eliminates shifting and rising blades. Top control eases attachment to table over sterile drapes. Various shorter and adjustable heights available.



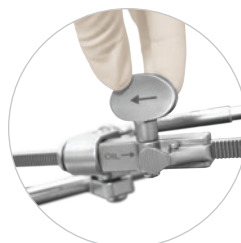
Independent Frame Arms

Frame arms can be independently adjusted to create a low-profile, and provide more control. Independent movement enables safe, versatile retraction.



One-Piece Clip-On Handles

Retractor handles are one-piece, reducing inventory and instrument counts. Spring loaded clip-on joints are low-profile, can be clipped anywhere to the frame and quickly secured.



Micro-Adjustable Technology

Patented Micro-Adjustable Handles enable increased leverage and precise blade retraction with micro-adjustability.



S-Lock® Technology

S-Lock technology reduces unwanted blade swivel and enables precise blade placement. Switch from swivel to locked with the push of a button.



Angling Technology

Versatile, low-profile positioning of blades to maintain a low-profile operating field and achieve better exposure. Blades can be toed in 40° or toed out 35°.

Quick Frame

Our most universal frame for multiple specialties including general, vascular, carotid, thyroid, pediatric, minimal access, kidney transplant, urology, gynecology, and colorectal.

FRAME BENEFITS

- Quick setup ideal for a variety of procedures
- Strong and secure
- Easy cam locking frame joints
- Angling handles can be toed in 40° or toed out 35°
- True independent adjustment of lateral arms



S-LOCK QUICK FRAME KIT

#SL90011B

QTY	ITEM DESCRIPTION	PART #
1	Elite II Rail Clamp with 1 Cam Joint 18"	41902AC
1	Crossbar with 2 Cam Joints 24"	41900BC
2	Angled Arm 18" (8" x 10")	44118N
2	Angled Arm 24" (8" x 16")	44124N
3	Cam II Clip-on Angling 8"	SL42126WA
2	Micro-Adjustable II Clip-on Angling 10"	SL45006CA
2	Angling Head Wrench	43032

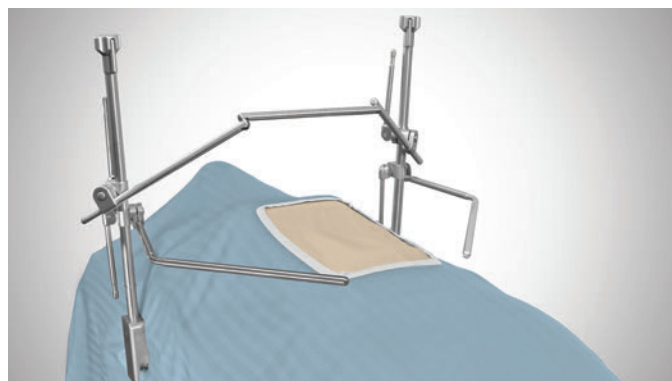
Bilateral Frame

Ideal for costal margin retraction and extensive abdominal procedures requiring exceptional exposure.

NOTE: For longer handles, see pages 50 - 51

FRAME BENEFITS

- Exceptional strength for costal margin elevation, even in obese patients
- Multi-planed retraction provides symmetrical or asymmetrical upper abdominal exposure
- Hinged design custom contours to the patient's anatomy
- Converts to a unilateral frame with minimal part additions



S-LOCK BILATERAL FRAME KIT

#SL90015A

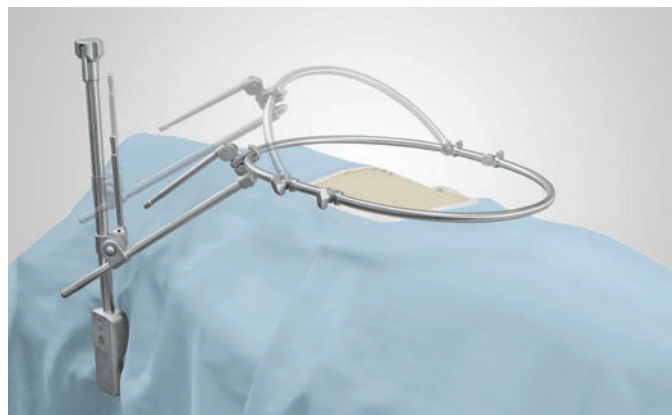
QTY	ITEM DESCRIPTION	PART #
2	Elite II Rail Clamp with 2 Cam Joints 22"	41905AC
1	34" Bilateral Crossbar Hinged (11 1/2" x 8 1/2" x 11 1/2")	41900PH
1	41 1/2" Bilateral Crossbar Hinged (14 1/2" x 10" x 14 1/2")	41900PHL
2	Angled Arm 24"	44124W
5	Cam II Clip-on Angling 8"	SL42126WA
2	Micro-Adjustable II Clip-on Angling 10"	SL45006CA
2	Angling Head Wrench	43032

Hinged Ring Frame

The Hinged Ring Frame Kit may be used in place of the Spine Frame for anterior lumbar procedures.

FRAME BENEFITS

- Utilize ring frame halves together to build a circular frame for small procedures, or add extensions to expand into an oval for larger procedures
- Hinge either side for multi-planed retraction or to meet patient anatomy
- Comparable to Bookwalter® and Synthes frames



S-LOCK HINGED RING FRAME KIT

#SL90020

QTY	ITEM DESCRIPTION	PART #
1	Elite II Rail Clamp with 1 Cam Joint 18"	41902AC
1	Extension Arm 14" with Cam Latch Mount	44614LC
2	Ring Half Hinged 14 ½"	44218
2	Ring Extension 3"	44220
5	Cam II Clip-on Angling 10"	SL42126WAL
2	Micro-Adjustable II Clip-on Angling 10"	SL45006CA
2	Angling Head Wrench	43032
1	Instrument Case 22" x 11" x 3 ½" with Pin Mat	50000G

"The advantages of the Thompson Retractor over other retractors include excellent upper abdominal visibility thanks to the ability to perform Subcostal Retraction. What is particularly good are the multiple set-up options, including the creation of a circle, catering to multiple procedures and patient sizes including those that are morbidly obese."

- Dr. Mehrdad Nikfarjam, MBBS, MD, PhD, FRACS

Blade Kits

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Obesity 12

Minimal Access..... 13

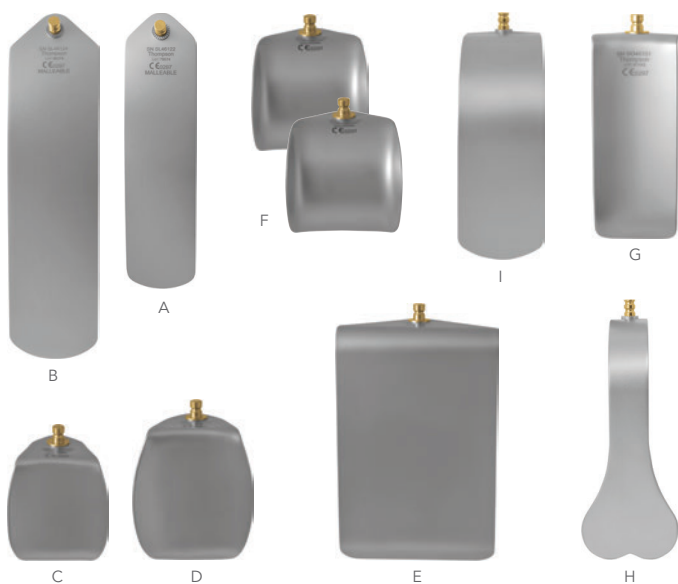
Kidney Transplant..... 13

Radiolucent Anterior Lumbar 14-15



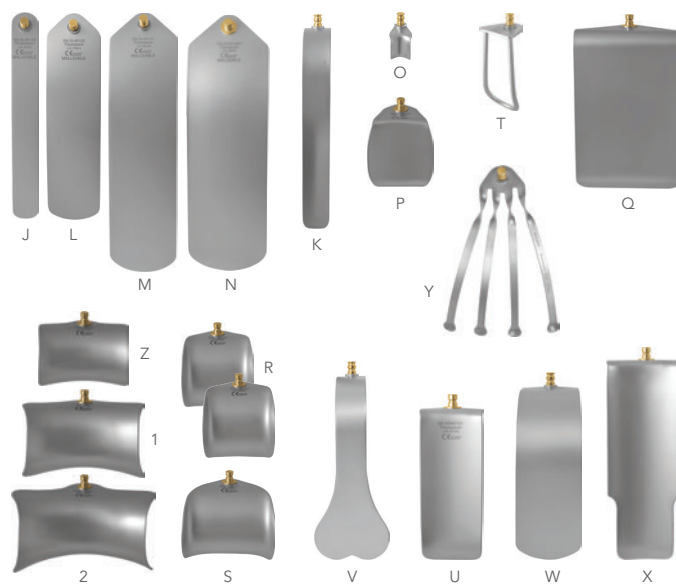
S-LOCK® NOTICE:

Non-S-Lock blade kits are still available, but may require a longer lead time. Call for more information.

**S-LOCK GENERAL BLADE KIT****#SL91002L**

(Quick Frame or Hinged Ring Frame Required)

REF	QTY	ITEM DESCRIPTION	PART #
A	1	Malleable 51mm x 203mm (2" x 8")	SL46122
B	1	Malleable 64mm x 254mm (2 ½" x 10")	SL46124
C	1	Kelly 64mm x 76mm (2 ½" x 3")	SO46129
D	1	Kelly 76mm x 89mm (3" x 3 ½")	SO46130
E	1	Fence 102mm x 152mm (4" x 6")	SO46136
F	2	Balfour 70mm x 73mm (2 ¾" x 3")	SO46140
G	1	Richardson 51mm x 127mm (2" x 5")	SO46151
H	1	Harrington 64mm x 152mm (2 ½" x 6")	SL46160
I	1	Deaver 51mm x 127mm (2" x 5")	SL46174

**S-LOCK GENERAL/VASCULAR BLADE KIT #SL91003L**

(Quick Frame, Bilateral Frame, or Hinged Ring Frame Required)

REF	QTY	ITEM DESCRIPTION	PART #
J	1	Malleable 25mm x 203mm (1" x 8")	SL46118
K	1	Conc. Renal Vein 25mm x 191mm (1" x 7 ½")	SL46119C
L	2	Malleable 51mm x 203mm (2" x 8")	SL46122
M	1	Malleable 64mm x 254mm (2 ½" x 10")	SL46124
N	1	Malleable 76mm x 254mm (3" x 10")	SO46124A
O	1	Richardson 19mm x 25mm (¾" x 1")	SL46125
P	1	Kelly 64mm x 76mm (2 ½" x 3")	SO46129
	1	Fence 102mm x 102mm (4" x 4")	SO46134
	1	Fence 102mm x 127mm (4" x 5")	SO46135
Q	1	Fence 102mm x 152mm (4" x 6")	SO46136
R	2	Balfour 70mm x 73mm (2 ¾" x 3")	SO46140
S	1	Balfour 83mm x 72mm (3 ¼" x 3")	SO46141
T	2	Fenestrated 44mm x 89mm (1 ¾" x 3 ½")	SL46143
U	2	Richardson 51mm x 127mm (2" x 5")	SO46151
V	1	Harrington 64mm x 152mm (2 ½" x 6")	SL46160
W	1	Deaver 51mm x 127mm (2" x 5")	SL46174
X	1	St. Mark's 64mm x 178mm (2 ½" x 7")	SO46188
Y	1	Malleable Finger 6"	SL46191
Z	1	Balfour 83mm x 57mm (3 ¼" x 2 ¼")	SO46241A
1	1	Balfour 102mm x 57mm (4" x 2 ¼")	SO46241B
2	1	Balfour 114mm x 57mm (4 ½" x 2 ¼")	SO46241C

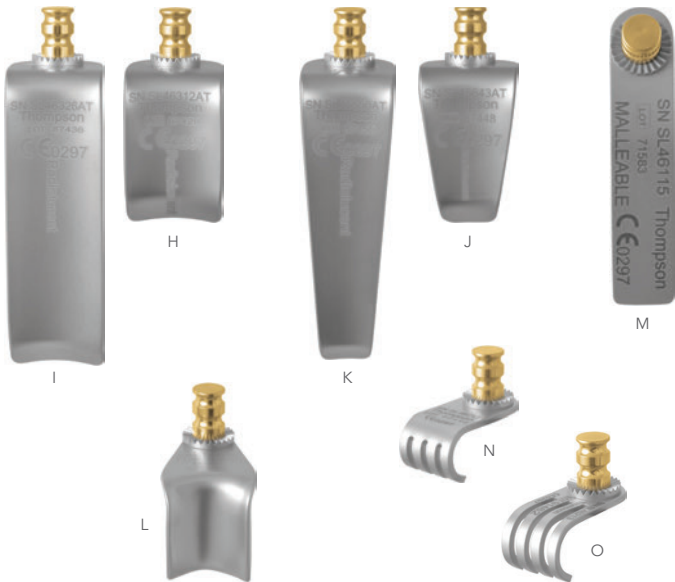
**ANTERIOR LUMBAR BLADE KITS NOTICE:**

For Anterior Lumbar Blade Kits see pages 14 - 15.



**S-LOCK CAROTID /
SMALL INCISION BLADE KIT** **#SL91006LL**
(Quick Frame Required)

REF	QTY	ITEM DESCRIPTION	PART #
A	1	Richardson 19mm x 25mm (¾" x 1")	SL46125
B	1	Richardson 19mm x 50mm (¾" x 2")	SL46125A
C	1	Richardson 25mm x 32mm (1" x 1 ¼")	SL46126
D	1	Volkman Blunt 16mm x 13mm (⅝" x ½")	SL46213
E	1	Murphy Blunt 25mm x 13mm (1" x ½")	SL46215
F	2	Richardson 44mm x 51mm (1 ¾" x 2")	SL46149
G	1	Richardson 51mm x 102mm (2" x 4")	SL46150



S-LOCK THYROID BLADE KIT **#SL90058**
(Quick Frame Required)

REF	QTY	ITEM DESCRIPTION	PART #
H	2	Radiolucent Concave 23mm x 35mm	SL46312AT
I	2	Radiolucent Concave 23mm x 70mm	SL46326AT
J	2	Radio. Concave Tapered 23mm x 35mm	SL45643AT
K	2	Radio. Concave Tapered 23mm x 70mm	SL45650AT
L	2	Richardson 19mm x 25mm (¾" x 1")	SL46125
M	2	Malleable 13mm x 64mm (½" x 2 ½")	SL46115
N	1	Volkman Sharp 16mm x 13mm (⅝" x ½")	SL46212
O	1	Volkman Blunt 16mm x 13mm (⅝" x ½")	SL46213

 **S-LOCK® NOTICE:**
Non-S-Lock blade kits are still available, but may require a longer lead time. Call for more information.

Radiolucent Hepatobiliary Blade Kit

Better Visualization During Cholangiograms

The all-new Radiolucent Hepatobiliary Blade kit features all radiolucent blades and a divided instrument case for easy storage and transportation of blades. Providing excellent exposure and radiolucency, this blade kit allows the completion of cholangiography through smaller incisions without loss of exposure, reduces operative time, and allows for more dynamic integration of x-ray based techniques and surgery.

S-LOCK RADIOLUCENT HEPATOBILIARY BLADE KIT

(Bilateral Frame Required)

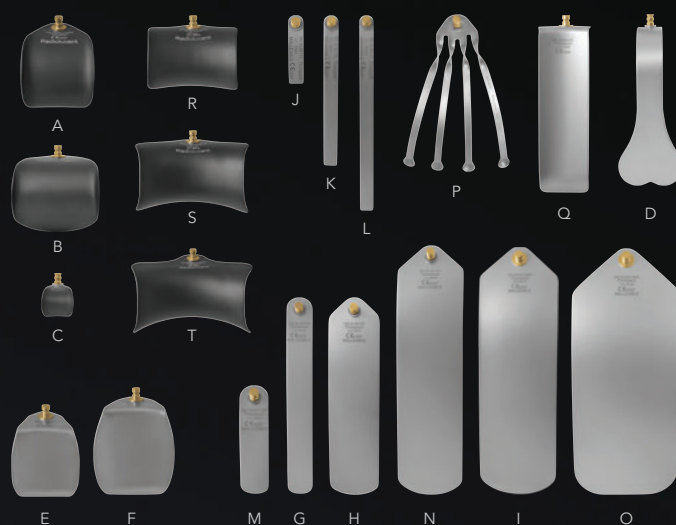
#SL91016

REF	QTY	ITEM DESCRIPTION	PART #
	2	Micro-Adjustable II Clip-on Angling 15"	SL45006CAR
A	2	Radiolucent Balfour 64mm x 83mm (2 1/2" x 3 1/4") Anodized Aluminum *	SO46140EB
B	2	Radiolucent Balfour 83mm x 72mm (3 1/4" x 2 3/4") Anodized Aluminum *	SO46141EB
C	4	Radiolucent Balfour 30mm x 32mm (1 1/5" x 1 1/4") Anodized Aluminum *	SL46142EB
D	1	Radio. Harrington 64mm x 152mm (2 1/2" x 6")	SL46160ET
E	2	Radiolucent Kelly 64mm x 76mm (2 1/2" x 3")	SO46129ET
F	2	Radiolucent Kelly 76mm x 89mm (3" x 3 1/2")	SO46130ET
G	1	Radio. Malleable 25mm x 203mm (1" x 8")	SL46118ET
H	1	Radio. Malleable 51mm x 203mm (2" x 8")	SL46122ET
I	1	Radio. Malleable 76mm x 254mm (3" x 10")	SO46124AET
J	2	Radio. Malleable 13mm x 64mm (1/2" x 2 1/2")	SL46115ET
K	2	Radio. Malleable 13mm x 152mm (1/2" x 6")	SL46116ET
L	2	Radio. Malleable 13mm x 203mm (1/2" x 8")	SL46117ET
M	1	Radio. Malleable 25mm x 102mm (1" x 4")	SL46118PET
N	2	Radio. Malleable 64mm x 254mm (2 1/2" x 10")	SL46124ET
O	1	Radio. Malleable 102mm x 254mm (4" x 10")	SO46124BET
P	1	Radiolucent Malleable Finger 6"	SL46191ET
Q	1	Radio. Richardson 51mm x 178mm (2" x 7")	SO46153ET
	1	Instrument Case	50000HPB



BLADE NOTICE:

Additional radiolucent general blades available, please call for more information. (Please allow 2 weeks lead time.)



S-LOCK RADIOLUCENT HEPATOBILIARY EXPANSION BLADE KIT

(Bilateral Frame Required)

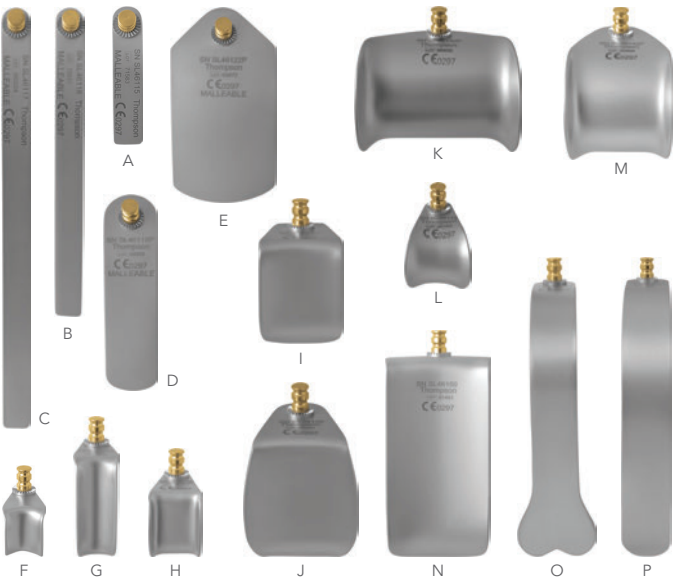
#SL91015

REF	QTY	ITEM DESCRIPTION	PART #
R	2	Radiolucent Balfour 83mm x 57mm (3 1/4" x 2 1/4")Anodized Aluminum*	SO46241AEB
S	2	Radiolucent Balfour 102mm x 57mm (4" x 2 1/4")Anodized Aluminum*	SO46241BEB
T	2	Radiolucent Balfour 114mm x 57mm (4 1/2" x 2 1/4")Anodized Aluminum*	SO46241CEB

"I am quicker, more dynamic and precise in my biliary procedures. In addition, I am essentially non-reliant on my assistant for exposure or retraction."

- David Sindram, MD, PhD

* Free Trials of this kit will include non-anodized aluminum Balfour blades. Blades will be anodized upon purchase.

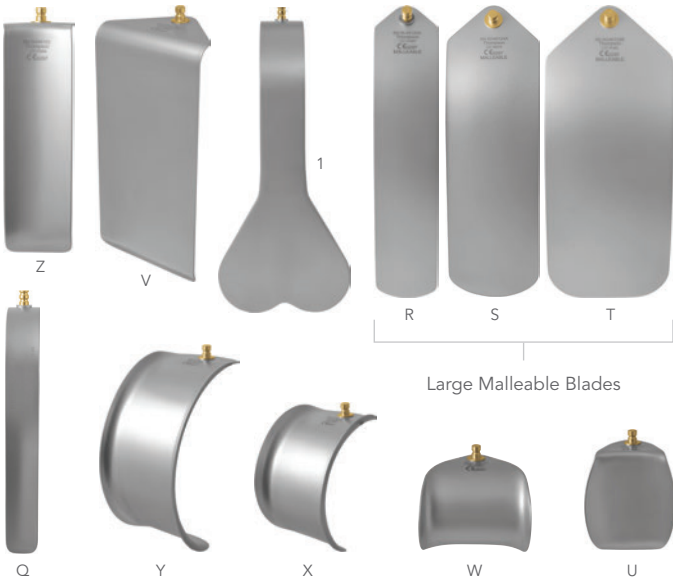


S-LOCK PEDIATRIC
RETRACTOR BLADE KIT

(Quick Frame or Hinged Ring Frame Required)

#SL91009L

REF	QTY	ITEM DESCRIPTION	PART #
A	2	Malleable 13mm x 64mm (½" x 2 ½")	SL46115
B	2	Malleable 13mm x 152mm (½" x 6")	SL46116
C	2	Malleable 13mm x 203mm (½" x 8")	SL46117
D	2	Malleable 25mm x 102mm (1" x 4")	SL46118P
E	2	Malleable 51mm x 102mm (2" x 4")	SL46122P
F	1	Richardson 19mm x 25mm (¾" x 1")	SL46125
G	1	Richardson 19mm x 51mm (¾" x 2")	SL46125A
H	1	Richardson 25mm x 32mm (1" x 1 ¼")	SL46126
I	1	Kelly 38mm x 51mm (1 ½" x 2")	SL46127
J	1	Kelly 51mm x 64mm (2" x 2 ½")	SL46128
K	1	Balfour 76mm x 51mm (3" x 2")	SL46140P
L	2	Balfour 32mm x 32mm (1 ⅕" x 1 ⅕")	SL46142
M	1	Balfour 51mm x 51mm (2" x 2")	SL46142P
N	1	Richardson 51mm x 102mm (2" x 4")	SL46150
O	1	Harrington 38mm x 127mm (1 ½" x 5")	SL46162P
P	1	Deaver 25mm x 127mm (1" x 5")	SL46170

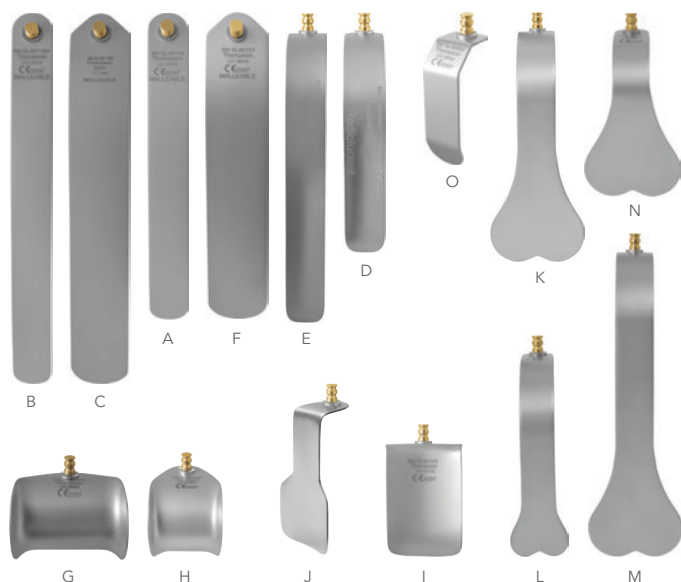


S-LOCK OBESITY BLADE KIT

(Quick Frame or Bilateral Frame Required)

#SL91012L

REF	QTY	ITEM DESCRIPTION	PART #
Q	2	Conc. Renal Vein 25mm x 191mm (1" x 7 ½")	SL46119C
R	1	Malleable 51mm x 254mm (2" x 10")	SL46122A
S	1	Malleable 76mm x 254mm (3" x 10")	SO46124A
T	1	Malleable 102mm x 254mm (4" x 10")	SO46124B
U	2	Kelly 76mm x 89mm (3" x 3 ½")	SO46130
V	1	Fence 102mm x 203mm (4" x 8")	SO46136A
W	2	Balfour 83mm x 72mm (3 ¼" x 3")	SO46141
X	4	Balfour 85mm x 123mm (3 ¼" x 5")	SO46141D
Y	2	Balfour 83mm x 175mm (3 ¼" x 6 ⅞")	SO46141F
Z	1	Richardson 51mm x 178mm (2" x 7")	SO46153
1	1	Harrington 114mm x 254mm (4 ½" x 10")	SL46161

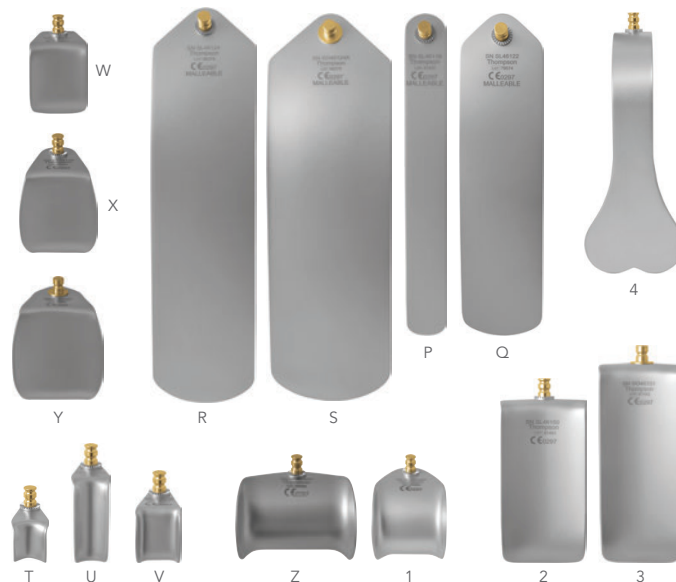


S-LOCK MINIMAL ACCESS RETRACTOR BLADE KIT

(Quick Frame or Hinged Ring Frame Required)

#SL91051

REF	QTY	ITEM DESCRIPTION	PART #
A	1	Malleable 25mm x 203mm (1" x 8")	SL46118
B	1	Malleable 25mm x 254mm (1" x 10")	SL46118A
C	1	Malleable 38mm x 254mm (1 1/2" x 10")	SL46118B
D	1	Concave Renal Vein 25mm x 140mm (1" x 5 1/2")	SL46119B
E	1	Concave Renal Vein 25mm x 191mm (1" x 7 1/2")	SL46119C
F	1	Malleable 28mm x 203mm (1 1/2" x 8")	SL46123
G	1	Balfour 76mm x 51mm (3" x 2")	SL46140P
H	1	Balfour 51mm x 51mm (2" x 2")	SL46142P
I	1	Richardson 51mm x 76mm (2" x 3")	SL46154
	1	Mini-Open Richardson 51mm x 76mm (2" x 3")	SL46155
J	1	Mini-Open Richardson 51mm x 102mm (2" x 4")	SL46156
	1	Mini-Open Richardson 51mm x 127mm (2" x 5")	SL46157
	1	Mini-Open Richardson 51mm x 152mm (2" x 6")	SL46158
K	1	Harrington 64mm x 152mm (2 1/2" x 6")	SL46160
L	1	Harrington 38mm x 127mm (1 1/2" x 5")	SL46162P
M	1	Harrington 64mm x 203mm (2 1/2" x 8")	SL46163
N	1	Harrington 64mm x 102mm (2 1/2" x 4")	SL46165
O	2	Double Angled 25mm x 76mm (1" x 3")	SL46660

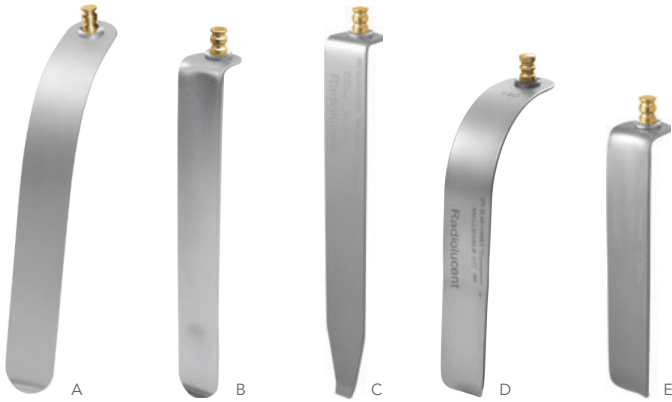


S-LOCK KIDNEY TRANSPLANT BLADE KIT

(Quick Frame or Hinged Ring Frame Required)

#SL91045L

REF	QTY	ITEM DESCRIPTION	PART #
P	2	Malleable 25mm x 203mm (1" x 8")	SL46118
Q	2	Malleable 51mm x 203mm (2" x 8")	SL46122
R	2	Malleable 64mm x 254mm (2 1/2" x 10")	SL46124
S	2	Malleable 76mm x 254mm (3" x 10")	SO46124A
T	1	Richardson 19mm x 25mm (3/4" x 1")	SL46125
U	1	Richardson 19mm x 51mm (3/4" x 2")	SL46125A
V	1	Richardson 25mm x 32mm (1" x 1 1/4")	SL46126
W	1	Kelly 38mm x 51mm (1 1/2" x 2")	SL46127
X	1	Kelly 51mm x 64mm (2" x 2 1/2")	SL46128
Y	1	Kelly 64mm x 76mm (2 1/2" x 3")	SO46129
Z	2	Balfour 76mm x 51mm (3" x 2")	SL46140P
1	2	Balfour 51mm x 51mm (2" x 2")	SL46142P
2	1	Richardson 51mm x 102mm (2" x 4")	SL46150
3	1	Richardson 51mm x 127mm (2" x 5")	SO46151
4	1	Harrington 64mm x 152mm (2 1/2" x 6")	SL46160



S-LOCK EXPANDED RADIOLUCENT BRAU ANTERIOR LUMBAR BLADE KIT #SL91021

(Quick Frame, Spine Frame, or Hinged Ring Frame Required)

REF	QTY	ITEM DESCRIPTION	PART #
A	2	Rev. Lip ASA Malleable 25mm x 200mm	SL46192ET
	2	Rev. Lip ASA Malleable 32mm x 200mm	SL46193ET
	2	Reverse Lip ASA Rigid 25mm x 100mm	SL46260RET*
	2	Reverse Lip ASA Rigid 25mm x 110mm	SL46261RET
	2	Reverse Lip ASA Rigid 25mm x 120mm	SL46262RET
	2	Reverse Lip ASA Rigid 25mm x 130mm	SL46263RET*
	2	Reverse Lip ASA Rigid 25mm x 150mm	SL46265RET*
	2	Reverse Lip ASA Rigid 25mm x 170mm	SL46267RET*
B	2	Reverse Lip ASA Rigid 25mm x 190mm	SL46269RET*
	2	Reverse Lip ASA Rigid 25mm x 210mm	SL46271RET
	2	Reverse Lip ASA Rigid 25mm x 230mm	SL46273RET
	2	Reverse Lip ASA Rigid 25mm x 250mm	SL46275RET*
	2	Reverse Lip ASA Rigid 32mm x 100mm	SL46280RET
	2	Reverse Lip ASA Rigid 32mm x 120mm	SL46282RET*
	2	Reverse Lip ASA Rigid 32mm x 140mm	SL46284RET*
	2	Reverse Lip ASA Rigid 32mm x 160mm	SL46286RET
	2	Reverse Lip ASA Rigid 32mm x 180mm	SL46288RET*
	2	Reverse Lip ASA Rigid 32mm x 200mm	SL46290RET*
	2	Reverse Lip ASA Rigid 32mm x 220mm	SL46292RET
	2	Reverse Lip ASA Rigid 32mm x 230mm	SL46293RET*

BLADE NOTICE

Original Radiolucent Brau (Reverse Lip) Blade Kits with longer horizontal necks are still available. Additional blade sizes also available. Please call for more information.

(Continued)

REF	QTY	ITEM DESCRIPTION	PART #
	2	Reverse Lip ASA Rigid 32mm x 240mm	SL46294RET
	2	Reverse Lip ASA Rigid 32mm x 250mm	SL46295RET
	2	Rev. Lip ASA Tapered 25mm x 100mm	SL46260TET*
	2	Rev. Lip ASA Tapered 25mm x 150mm	SL46265TET*
C	2	Rev. Lip ASA Tapered 25mm x 200mm	SL46270TET*
	2	Malleable Renal Vein 25mm x 140mm	SL46119BET*
D	2	Malleable Renal Vein 25mm x 190mm	SL46119CET*
E	2	Concave Renal Vein 25mm x 140mm	SL46564*
	2	Concave Renal Vein 25mm x 190mm	SL46569*
	2	Concave Renal Vein 25mm x 250mm	SL46575*
	1	Suction for Anterior Lumbar Surgery (SALS)	51234
	1	Anterior Lumbar Depth Gauge	51236
	1	Instrument Case for Expanded Brau AL	50000ERL*

* Included in Brau Anterior Lumbar Basic Blade Kit #SL91021B

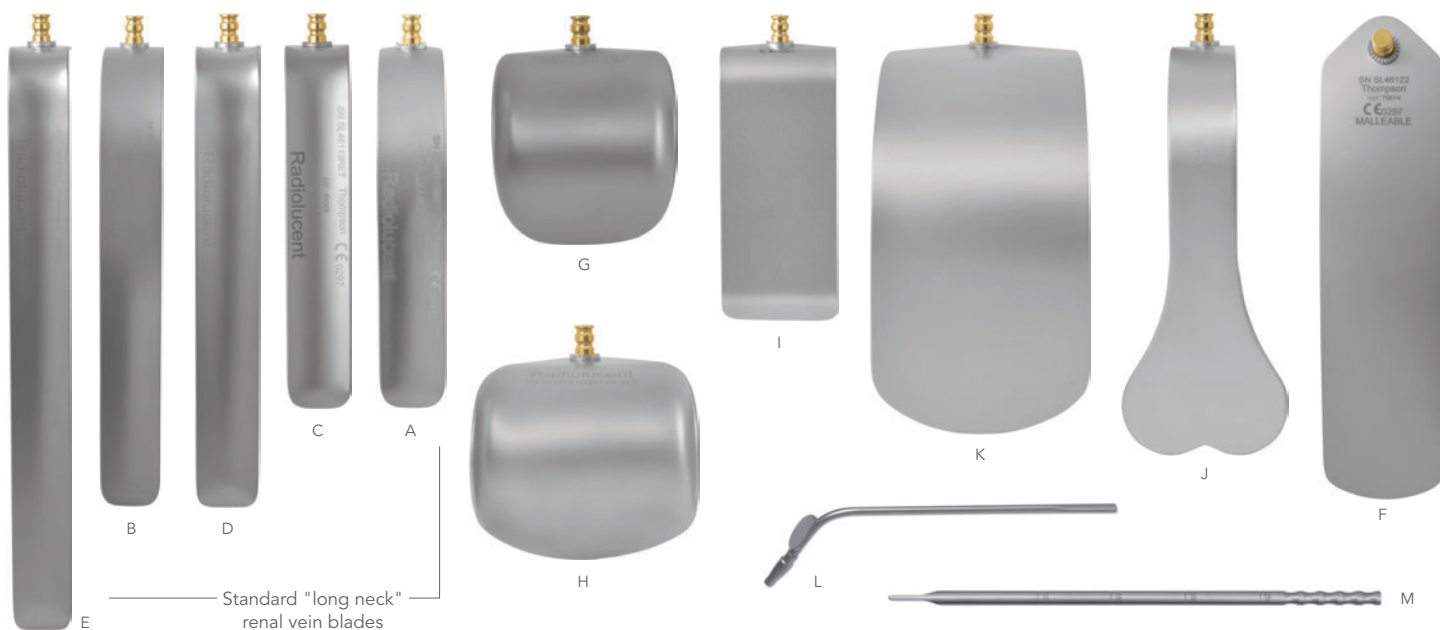


S-LOCK RADIOLUCENT RENAL VEIN BLADE KIT * #SL91036

(Quick Frame, Spine Frame, or Ring Frame Required)

REF	QTY	ITEM DESCRIPTION	PART #
A	4	Radiolucent Concave 25mm x 80mm	SL46558
B	4	Radiolucent Concave 25mm x 100mm	SL46560
C	4	Radiolucent Concave 25mm x 120mm	SL46562
D	4	Radiolucent Concave 25mm x 140mm	SL46564
E	4	Radiolucent Concave 25mm x 160mm	SL46566
F	4	Radiolucent Concave 25mm x 180mm	SL46568
G	4	Radiolucent Concave 25mm x 200mm	SL46570
	1	Instrument Case - AL Renal Vein	50000ALR

* Aluminum blades available



S-LOCK RADIOLUCENT ANTERIOR LUMBAR BLADE KIT

#SL91035

(Quick Frame, Spine Frame, or Hinged Ring Frame Required)

REF	QTY	ITEM DESCRIPTION	PART #
A	2	Radio. Malleable Renal Vein 25mm x 140mm	SL46119BET
B	2	Radio. Malleable Renal Vein 25mm x 190mm	SL46119CET
C	2	Radio. Rigid Renal Vein 25mm x 140mm	SL46119RET
D	2	Radio. Rigid Renal Vein 25mm x 190mm	SL46120RET
E	2	Radio. Rigid Renal Vein 25mm x 255mm	SL46121RET
F	2	Radiolucent Malleable 51mm x 200mm	SL46122ET
G	2	Radiolucent Balfour 65mm x 72mm	SL46140ET *
H	1	Radiolucent Balfour 83mm x 72mm	SL46141ET *
I	1	Radiolucent Splanchnich 51mm x 115mm	SL46145ET
J	1	Radiolucent Harrington 64mm x 152mm	SL46160ET
K	1	Radiolucent Deaver 76mm x 125mm	SL46176ET *
L	1	Suction for Anterior Lumbar Surgery	51234
M	1	Anterior Lumbar Depth Gauge	51236
	1	Instrument Case - Anterior Lumbar	50000ALT

* For anterior lumbar use only.

S-LOCK RADIOLUCENT ANTERIOR LUMBAR ADD-ON BLADE KIT

#SL91037

(Quick Frame, Spine Frame, or Hinged Ring Frame Required)

REF	QTY	ITEM DESCRIPTION	PART #
F	2	Radiolucent Malleable 51mm x 200mm	SL46122ET
G	2	Radiolucent Balfour 65mm x 83mm	SL46140ET *
H	1	Radiolucent Balfour 83mm x 70mm	SL46141ET *
I	1	Radiolucent Splanchnich 51mm x 115mm	SL46145ET
J	1	Radiolucent Harrington 64mm x 152mm	SL46160ET
K	1	Radiolucent Deaver 76mm x 125mm	SL46176ET *

Add-on for #SL91021 Expanded Radiolucent Brau Anterior Lumbar Blade Kit.
Instrument case NOT included. * For anterior lumbar use only.

S-LOCK BASIC RADIOLUCENT ANTERIOR LUMBAR BLADE KIT

#SL91035BAS

(Quick Frame, Spine Frame, or Hinged Ring Frame Required)

REF	QTY	ITEM DESCRIPTION	PART #
A	2	Radio. Malleable Renal Vein 25mm x 140mm	SL46119BET
B	2	Radio. Malleable Renal Vein 25mm x 190mm	SL46119CET
C	2	Radio. Rigid Renal Vein 25mm x 140mm	SL46119RET
D	2	Radio. Rigid Renal Vein 25mm x 190mm	SL46120RET
E	2	Radiolucent Malleable 51mm x 200mm	SL46122ET

Retractor Systems

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Liver Transplant/Resection.....	18-19
Oncology.....	20
Pediatric Abdominal.....	20
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Basic General.....	21
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Laparoscopic	24-25



S-LOCK® NOTICE:

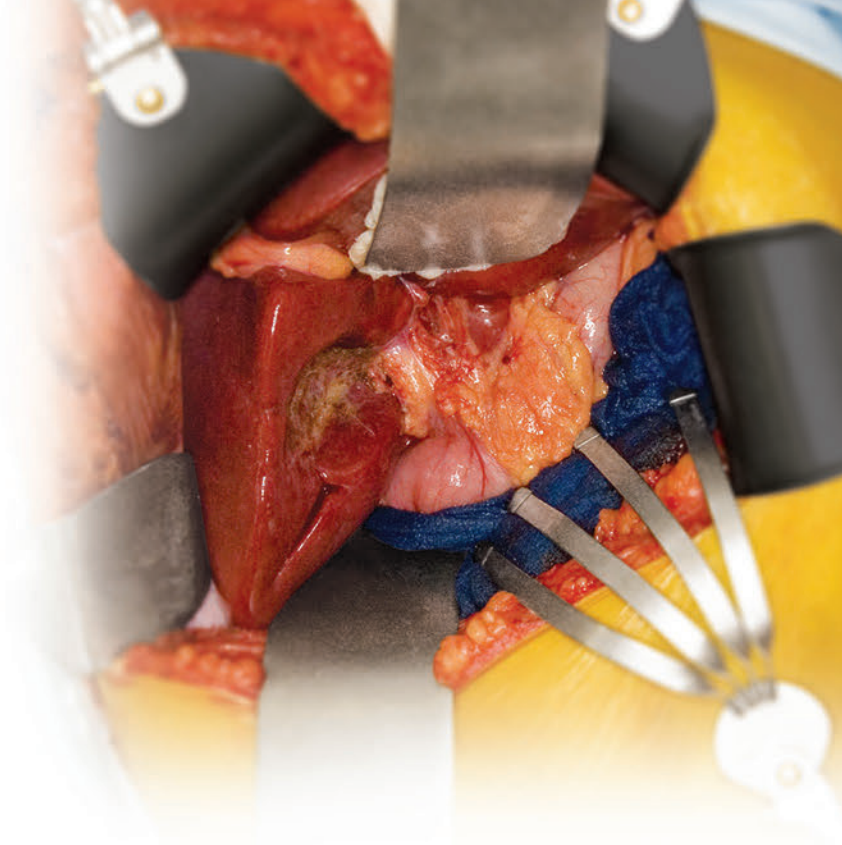
Non-S-Lock retractor systems are still available, but may require a longer lead time. Call for more information.

Radiolucent Liver Transplant/ Resection System

Faster Imaging

The Liver Transplant/Resection System you know and love is now available with all radiolucent blades, eliminating the need to reposition for imaging. Balfour blades are anodized aluminum for better radiolucency when shooting through two layers, all other blade styles are radiolucent titanium.

(Original radiopaque Liver Transplant/Resection System is still available. pages 18 - 19.)



S-LOCK RADIOLUCENT LIVER TRANSPLANT / RESECTION SYSTEM

#SL91033

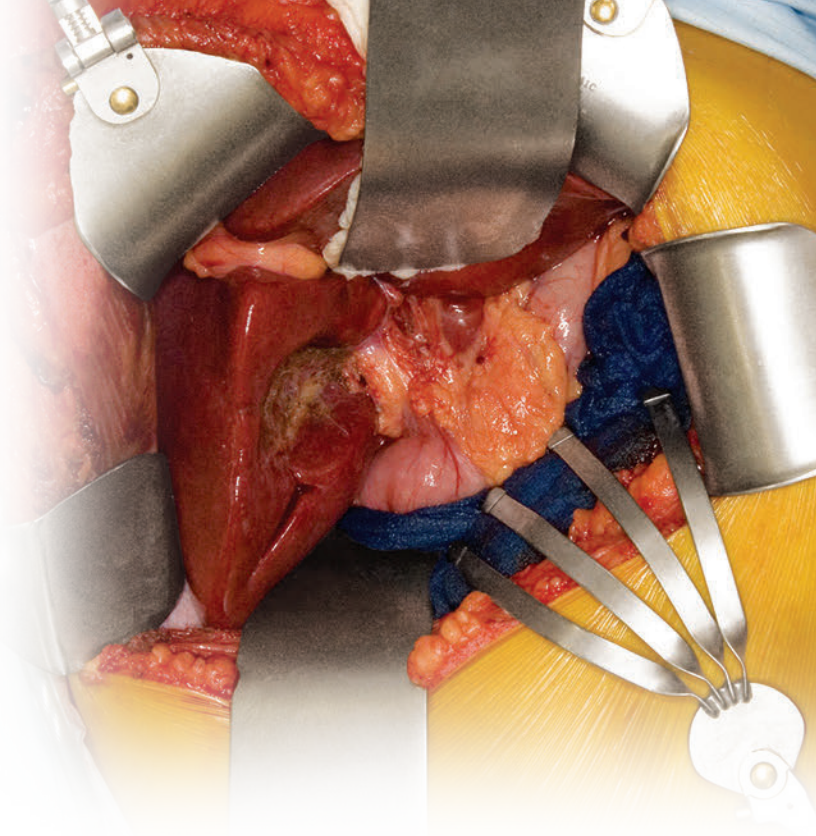
QTY	ITEM DESCRIPTION	PART #
2	Elite II Rail Clamp with 2 Cam Joints 18"	41903AC
1	34" Bilateral Crossbar Hinged (11 1/2" x 8" x 11 1/2")	41900PH
1	Bilateral Crossbar	41900F
1	18" Angled Arm (8" x 10" @ 45°)	44118N
2	24" Angled Arm	44124W
1	24" Angled Arm (8" x 16")	44124N
2	Cam I Joint Serrated (1/2" x 1/2")	42112C
6	Cam II Clip-on Angling 8"	SL42126WA
2	Micro-Adjustable II Clip-on Angling 10"	SL45006CA
2	Micro-Adjustable II Clip-on Angling 15"	SL45006CAR
2	Angling Head Wrench	43032
2	Radio. Malleable 13mm x 64mm (1/2" x 2 1/2")	SL46115ET
2	Radio. Malleable 13mm x 152mm (1/2" x 6")	SL46116ET
2	Radio. Malleable 13mm x 203mm (1/2" x 8")	SL46117ET
1	Radio. Malleable 25mm x 203mm (1" x 8")	SL46118ET
1	Radio. Malleable 25mm x 102mm (1" x 4")	SL46118PET
1	Radio. Malleable 51mm x 203mm (2" x 8")	SL46122ET
2	Radio. Malleable 64mm x 254mm (2 1/2" x 10")	SL46124ET

QTY	ITEM DESCRIPTION	PART #
1	Radio. Malleable 76mm x 254mm (3" x 10")	SO46124AET
1	Radio. Malleable 102mm x 254mm (4" x 10")	SO46124BET
1	Radiolucent Kelly 64mm x 76mm (2 1/2" x 3")	SO46129ET
2	Radiolucent Kelly 89mm x 76mm (3 1/2" x 3")	SO46130ET
1	Radiolucent Balfour 70mm x 73mm (2 3/4" x 3") [w/small lips]	SO46140CEB
2	Radio. Balfour 83mm x 72mm (3 1/4" x 3")	SO46141EB
2	Radiolucent Balfour 83mm x 72mm (3 1/4" x 3") [w/small lips]	SO46141CEB
2	Radio. Balfour 85mm x 123mm (3 1/4" x 5")	SO46141DEB
4	Radio. Balfour 30mm x 32mm (1 1/5" x 1 1/5")	SL46142EB
1	Radio. Richardson 57mm x 178mm (2" x 7")	SO46153ET
1	Radio. Harrington 64mm x 152mm (2 1/2" x 6")	SL46160ET
1	Radio. St. Mark's 64mm x 178mm (2 1/2" x 7")	SO46188ET
2	Radiolucent Malleable Finger 6"	SL46191ET
1	Radio. Balfour 83mm x 57mm (3 1/4" x 2 1/4")	SO46241AEB
1	Radio. Balfour 102mm x 57mm (4" x 2 1/4")	SO46241BEB
1	Radio. Balfour 114mm x 57mm (4 1/2" x 2 1/4")	SO46241CEB
2	Instrument Case w/Pin Mat (22" x 11" x 3 1/2")	50000G
1	Instrument Case (26" x 10" x 5")	50000BL

Liver Transplant/Resection System

Uncompromised Exposure for Liver Transplant/Resection

Utilizing a bilateral retractor frame set up, the Thompson Retractor provides surgeons with the ability to obtain stable, versatile retraction for liver transplants, liver resections, oncology, and obesity cases. Combined with Thompson Retractor's expansive blade selection designed specifically for each operation, the bilateral set up offers multi-planed retraction and unlimited flexibility for the most complex abdominal and pelvic cases.



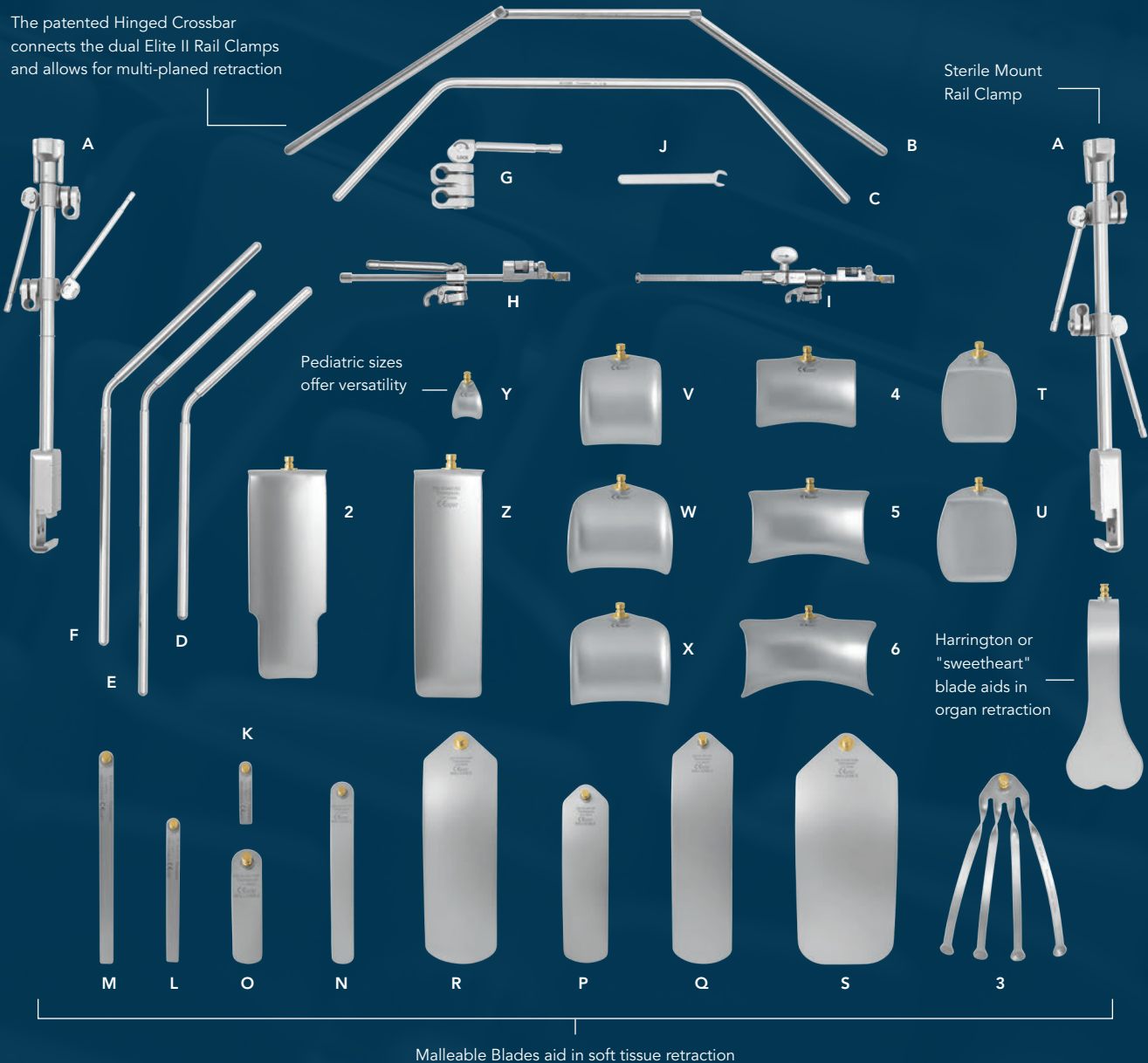
S-LOCK LIVER TRANSPLANT / RESECTION SYSTEM

#SL91034A

REF	QTY	ITEM DESCRIPTION	PART #
A	2	Elite II Rail Clamp with 2 Cam Joints 18"	41903AC
B	1	34" Bilateral Crossbar Hinged (11 1/2" x 8" x 11 1/2")	41900PH
C	1	Bilateral Crossbar	41900F
D	1	18" Angled Arm (8" x 10" @ 45°)	44118N
E	2	24" Angled Arm	44124W
F	1	24" Angled Arm (8" x 16")	44124N
G	2	Cam I Joint Serrated (1/2" x 1/2")	42112C
H	6	Cam II Clip-on Angling 8"	SL42126WA
I	2	Micro-Adjustable II Clip-on Angling 10"	SL45006CA
	2	Micro-Adjustable II Clip-on Angling 15"	SL45006CAR
J	2	Angling Head Wrench	43032
K	2	Malleable 13mm x 64mm (1/2" x 2 1/2")	SL46115
L	2	Malleable 13mm x 152mm (1/2" x 6")	SL46116
M	2	Malleable 13mm x 203mm (1/2" x 8")	SL46117
N	1	Malleable 25mm x 203mm (1" x 8")	SL46118
O	1	Malleable 25mm x 102mm (1" x 4")	SL46118P
P	1	Malleable 51mm x 203mm (2" x 8")	SL46122
Q	2	Malleable 64mm x 254mm (2 1/2" x 10")	SL46124

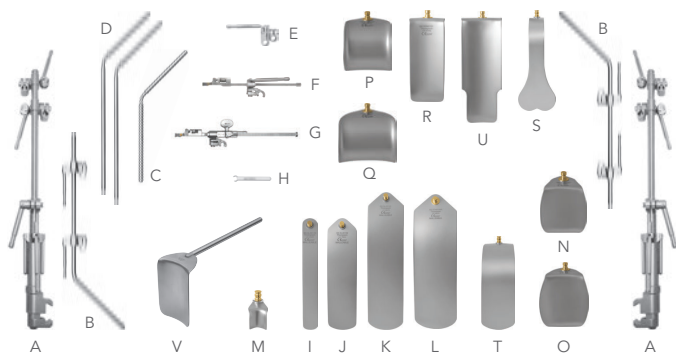
REF	QTY	ITEM DESCRIPTION	PART #
R	1	Malleable 76mm x 254mm (3" x 10")	SO46124A
S	1	Malleable 102mm x 254mm (4" x 10")	SO46124B
T	1	Kelly 64mm x 76mm (2 1/2" x 3")	SO46129
U	2	Kelly 89mm x 76mm (3 1/2" x 3")	SO46130
V	1	Balfour 70mm x 73mm (2 3/4" x 3") [w/small lips]	SO46140C
W	2	Balfour 83mm x 72mm (3 1/4" x 3")	SO46141
X	2	Balfour 83mm x 72mm (3 1/4" x 3") [w/small lips]	SO46141C
	2	Balfour 85mm x 123mm (3 1/4" x 5")	SO46141D
Y	4	Balfour 30mm x 32mm (1 1/5" x 1 1/5")	SL46142
Z	1	Richardson 57mm x 178mm (2" x 7")	SO46153
1	1	Harrington 64mm x 152mm (2 1/2" x 6")	SL46160
2	1	St. Mark's 64mm x 178mm (2 1/2" x 7")	SO46188
3	2	Malleable Finger 6"	SL46191
4	1	Balfour 83mm x 57mm (3 1/4" x 2 1/4")	SO46241A
5	1	Balfour 102mm x 57mm (4" x 2 1/4")	SO46241B
6	1	Balfour 114mm x 57mm (4 1/2" x 2 1/4")	SO46241C
	2	Instrument Case w/Pin Mat (22" x 11" x 3 1/2")	50000G
	1	Instrument Case (26" x 10" x 5")	50000BL

Liver Transplant / Resection System Components



"The Thompson Liver Transplant/Resection System is the best retractor system available."

- Michael Angelis, MD

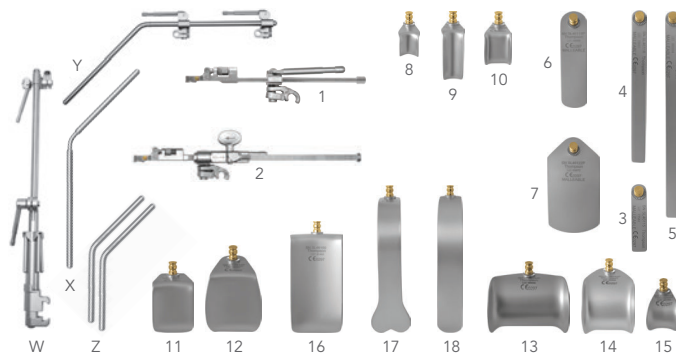


S-LOCK ONCOLOGY RETRACTOR SYSTEM

#SL80034IRC

REF	QTY	ITEM DESCRIPTION	PART #
A	2	Infinite Height Rail Clamp with 2 Cam Joints *	41903IRC
B	2	Crossbar with 2 Cam Joints - Wide 24" (8" x 16")	41900BCW
C	1	Angled Arm 18" (8" x 10")	44118N
D	2	Angled Arm 24" (8" x 16")	44124N
E	5	Cam II slide-on Joint ½" x ½"	42110S
F	5	Cam II Clip-on Angling 8"	SL42126WA
G	2	Micro-Adjustable II Clip-on Angling 10"	SL45006CA
H	2	Angling Head Wrench	43032
I	1	Malleable 25mm x 203mm (1" x 8")	SL46118
J	1	Malleable 51mm x 203mm (2" x 8")	SL46122
K	1	Malleable 64mm x 254mm (2 ½" x 10")	SL46124
L	1	Malleable 76mm x 254mm (3" x 10")	SO46124A
M	1	Richardson 19mm x 25mm (¾" x 1")	SL46125
N	2	Kelly 64mm x 76mm (2 ½" x 3")	SO46129
O	2	Kelly 76mm x 89mm (3" x 3 ½")	SO46130
P	2	Balfour 70mm x 73mm (2 ¾" x 3") [with small lips]	SO46140C
Q	2	Balfour 83mm x 72mm (3 ¼" x 3") [with small lips]	SO46141C
R	2	Richardson 51mm x 127mm (2" x 5")	SO46151
S	1	Harrington 64mm x 152mm (2 ½" x 6")	SL46160
T	1	Deaver 51mm x 127mm (2" x 5")	SL46174
U	1	St. Mark's 64mm x 178mm (2 ½" x 7")	SO46188
V	1	Weinberg 83mm x 133mm (3 ¼" x 5 ¼")	42521
	2	Instrument Case 22" x 11" x 3 ½"	50000G

* Elite II Rail Clamp (#41903AC) can be used in place of Infinite Height Rail Clamp (#41903IRC).

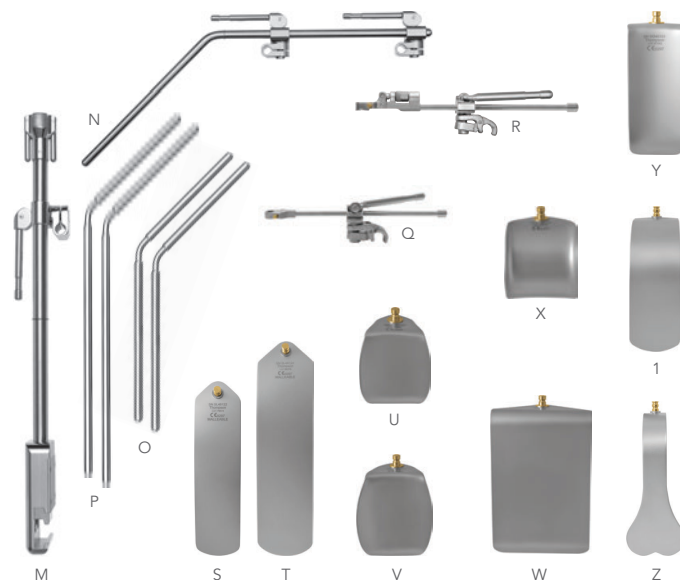
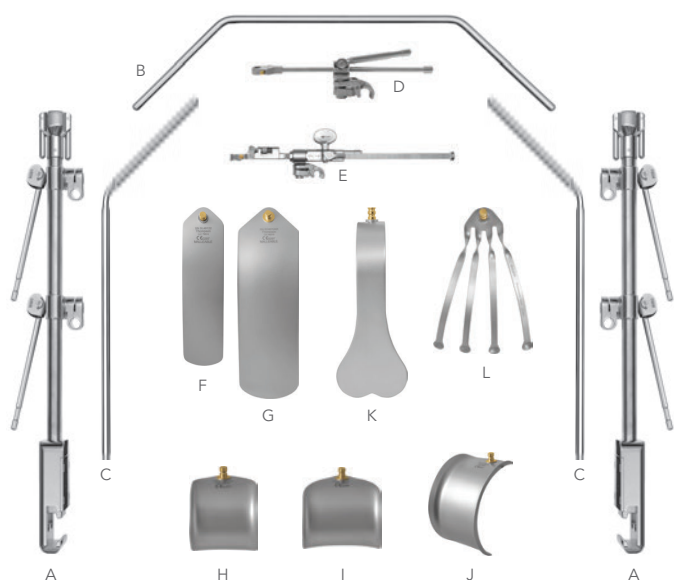


S-LOCK PEDIATRIC ABDOMINAL SYSTEM

#SL91034AP

REF	QTY	ITEM DESCRIPTION	PART #
W	1	Infinite Height Rail Clamp with 1 Cam Joint	41902IRC
X	1	Angled Arm 24" (11" x 13")	44124W
Y	1	Crossbar with 2 Cam Joints 24"	41900BC
Z	2	Angled Arm 12" (6" x 6")	44014S
1	5	Cam II Clip-on Angling 8"	SL42126WA *
2	1	Micro-Adjustable Clip-on Angling 10"	SL45006CA
	2	Angling Head Wrench	43032
3	2	Malleable 13mm x 64mm (½" x 2 ½")	SL46115
4	2	Malleable 13mm x 152mm (½" x 6")	SL46116
5	2	Malleable 13mm x 203mm (½" x 8")	SL46117
6	2	Soft Malleable 25mm x 102mm (1" x 4")	SL46118P
7	2	Malleable Pediatric 51mm x 102mm (2" x 4")	SL46122P
8	1	Richardson 19mm x 25mm (¾" x 1")	SL46125
9	1	Richardson 19mm x 50mm (¾" x 2")	SL46125A
10	1	Richardson 25mm x 32mm (1" x 1 ¼")	SL46126
11	1	Kelly 38mm x 51mm (1 ½" x 2")	SL46127
12	1	Kelly 51mm x 64mm (2" x 2 ½")	SL46128
13	1	Balfour 76mm x 51mm (3" x 2")	SL46140P
14	2	Balfour 32mm x 32mm (1 ¼" x 1 ¼")	SL46142
15	1	Balfour 51mm x 51mm (2" x 2")	SL46142P
16	1	Richardson 51mm x 102mm (2" x 4")	SL46150
17	1	Harrington 38mm x 127mm (1 ½" x 5")	SL46162P
18	1	Deaver 25mm x 127mm (1" x 5")	SL46170
	2	Instrument Case w/Pin Mat (22" x 11" x 3 ½")	50000G

* For infants: Screw Down Joints (#42125N) and Angling Handles (#SL45003AS) recommended.



S-LOCK BASIC UPPER ABDOMINAL RETRACTOR SYSTEM

#SL90055A

REF	QTY	ITEM DESCRIPTION	PART #
A	2	Elite II Rail Clamp with 2 Cam Joints 18" *	41903AC *
B	1	Bilateral Crossbar (7 1/4" x 13 1/2" x 7 1/4") *	41900F **
C	2	Angled Arm 24" (8" x 16")	44124N
D	3	Cam II Clip-on 8"	SL42126WH
E	2	Micro-Adjustable II Clip-on Angling 10"	SL45006CA
	2	Angling Head Wrench	43032
F	1	Malleable 51mm x 203mm (2" x 8")	SL46122
G	2	Malleable 76mm x 254mm (3" x 10")	SO46124A
H	2	Balfour 70mm x 73mm (2 3/4" x 3") [with small lips]	SO46140C
I	2	Balfour 83mm x 72mm (3 1/4" x 3") [with small lips]	SO46141C
J	2	Balfour 85mm x 123mm (3 1/4" x 5")	SO46141D
K	1	Harrington 64mm x 152mm (2 1/2" x 6")	SL46160
L	1	Malleable Finger 6"	SL46191

* Optional taller Elite II Rail Clamps available, call for information.

** Optional wider Crossbar (#41900PHL) available, call for information.

S-LOCK BASIC GENERAL RETRACTOR SYSTEM

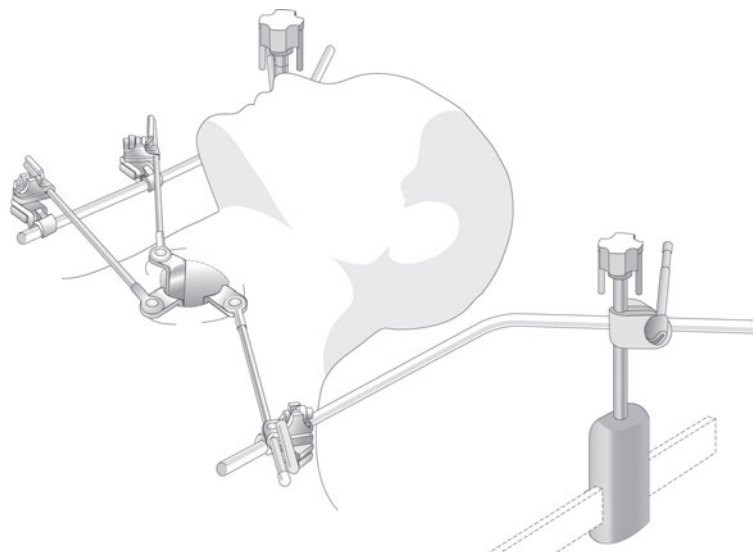
#SL90056

REF	QTY	ITEM DESCRIPTION	PART #
M	1	Elite II Rail Clamp with 1 Cam Joint 18"	41902AC
N	1	Crossbar with 2 Cam Joints 24" (11" x 13")	41900BC
O	2	Angled Arm 18" (8" x 10")	44118N
P	2	Angled Arm 24" (8" x 16")	44124N
Q	4	Cam II Clip-on 8"	SL42126WH
R	1	Cam II Clip-on Angling 8"	SL42126WA
	2	Angling Head Wrench	43032
S	1	Malleable 51mm x 203mm (2" x 8")	SL46122
T	1	Malleable 64mm x 254mm (2 1/2" x 10")	SL46124
U	1	Kelly 64mm x 76mm (2 1/2" x 3")	SO46129
V	1	Kelly 76mm x 89mm (3" x 3 1/2")	SO46130
W	1	Fence 102mm x 152mm (4" x 6")	SO46136
X	2	Balfour 70mm x 73mm (2 3/4" x 3") [with small lips]	SO46140C
Y	1	Richardson 51mm x 127mm (2" x 5")	SO46151
Z	1	Harrington 64mm x 152mm (2 1/2" x 6")	SL46160
1	1	Deaver 51mm x 127mm (2" x 5")	SL46174

Small Incision Head and Neck System

Lowest Profile for Small Incisions

The Small Incision Head and Neck System is ideal for general and ENT procedures in the head and neck region to expose peripheral vascular structures such as the carotid artery or glands such as the thyroid gland. A wide variety of small retractor blades for skin and shallow tissue retraction are provided for use on a NEW low profile and slimmer frame designed specifically for the head and neck region. The frame contains two short 11" Elite II Rail Clamps, thinner lateral arms, and our S-Lock Quick Angle Handles with low profile joints.



S-LOCK SMALL INCISION HEAD AND NECK SYSTEM

#SL90054

REF	QTY	ITEM DESCRIPTION	PART #
A	2	Elite II Rail Clamp with 1 3/8" Cam Joint 10"	41902S
B	2	Angled Arm 19" (12" x 7") 3/8"	44119
C	2	Angled Arm 17" (7" x 10") 3/8"	44117
D	1	Extension Arm	44014H
E	5	Cam IIP 3/8" Clip-on Quick Angle 8"	SL42127WGP
F	2	T-Handle	60020
G	2	Mini-Richardson 19mm x 25mm (3/4" x 1")	SL46125
H	1	Mini-Richardson 19mm x 50mm (3/4" x 2")	SL46125A
I	1	Mini-Richardson 25mm x 32mm (1" x 1 1/4")	SL46126
J	2	Richardson 44mm x 51mm (1 3/4" x 2")	SL46149
K	1	Richardson 51mm x 102mm (2" x 4")	SL46150
L	2	Malleable 13mm x 64mm (1/2" x 2 1/2")	SL46115
M	1	Volkman Blunt 25mm x 13mm (1" x 1/2")	SL46211
N	1	Volkman Sharp 16mm x 13mm (5/8" x 1/2")	SL46212
O	1	Volkman Blunt 16mm x 13mm (5/8" x 1/2")	SL46213
P	1	Murphy Sharp 25mm x 13mm (1" x 1/2")	SL46214
Q	1	Murphy Blunt 25mm x 13mm (1" x 1/2")	SL46215
R	1	Murphy Blunt 19mm x 13mm (3/4" x 1/2")	SL46217

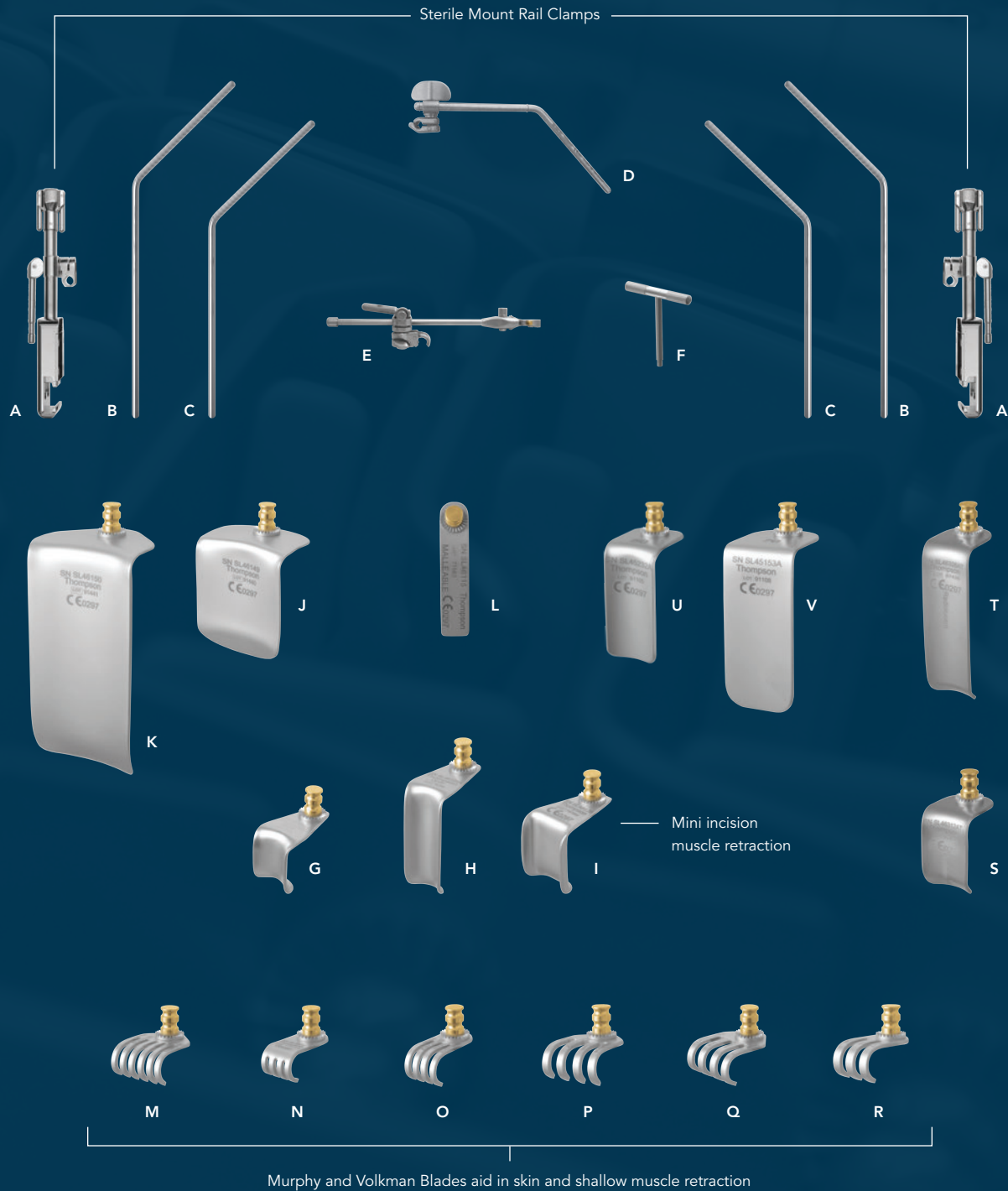
REF	QTY	ITEM DESCRIPTION	PART #
S	1	Concave Lateral 25mm x 35mm (1" x 1 1/2")	SL45157A
T	2	Concave Lateral 25mm x 70mm (1" x 2 3/4")	SL45159A
U	2	Concave Medial 25mm x 50mm (1" x 2")	SL45232A
V	2	Concave Medial 32mm x 70mm (1 1/4" x 2 3/4")	SL45153A



SYSTEM NOTICE

Frame components in this system have a diameter of 3/8" as compared to our standard 1/2" frame components.

Small Incision System Components



Laparoscopic Surgery

Free Up Staff

Thompson's laparoscopic products offer versatility and customization, providing multiple configuration possibilities for holding scopes and laparoscopic instruments.

HOW TO CUSTOMIZE

1. Choose a table mount
(refer to page 44 -45 for available options)
2. Choose holding arm
3. Choose unique attachments to hold your scope or instrument

LAPAROSCOPIC HOLDING ARMS

The Laparoscopic Articulating Arm and Flexible Holder may be used with any of the attachments shown to hold a scope or instrument, The Rigid Holder allows attachment of 3, 5, and 10mm instruments or scopes.

REF	ITEM DESCRIPTION	PART #
A	Laparoscopic Articulating Arm for Elite	42138LE
B	Flexible Lap. Holder for Elite	42133CEN
C	Rigid Lap. Holder for Elite	42139E

SCOPE GRIP AND BUSHINGS

The Scope Grip and Bushing hold the scope or instrument tightly, preventing rotation of angled scopes. Bushings protect the scope or instrument and may be ordered to custom size.

REF	ITEM DESCRIPTION	PART #
D	Scope Grip	33154
E	Scope Grip Bushing 5mm *	42136F
	Scope Grip Bushing 10mm	42136T

* Additional sizes from 5.1mm - 5.8mm also available

ADJUSTABLE SCOPE GRIP

The Adjustable Scope Grip easily adjusts to fit 5mm-11mm scopes and holds scope firmly in position to free up staff.

REF	ITEM DESCRIPTION	PART #
F	Adjustable Scope Grip	33181

SYSTEM NOTICE:

Laparoscopic products using a Power Rail Clamp available, call for information.

DUO HEAD WITH TOOL GRASP KNOB

The Duo Head is ideal for instruments 3, 5, or 10mm in diameter, and holds the laparoscopic instrument firmly in place.

REF	ITEM DESCRIPTION	PART #
G	Duo Head with Tool Grasp Knob 3/5/10mm	42160N

SCOPE CLIP

The Scope Clip provides a less firm hold to allow for quick in and out panning of flat scopes. Custom sizes available.

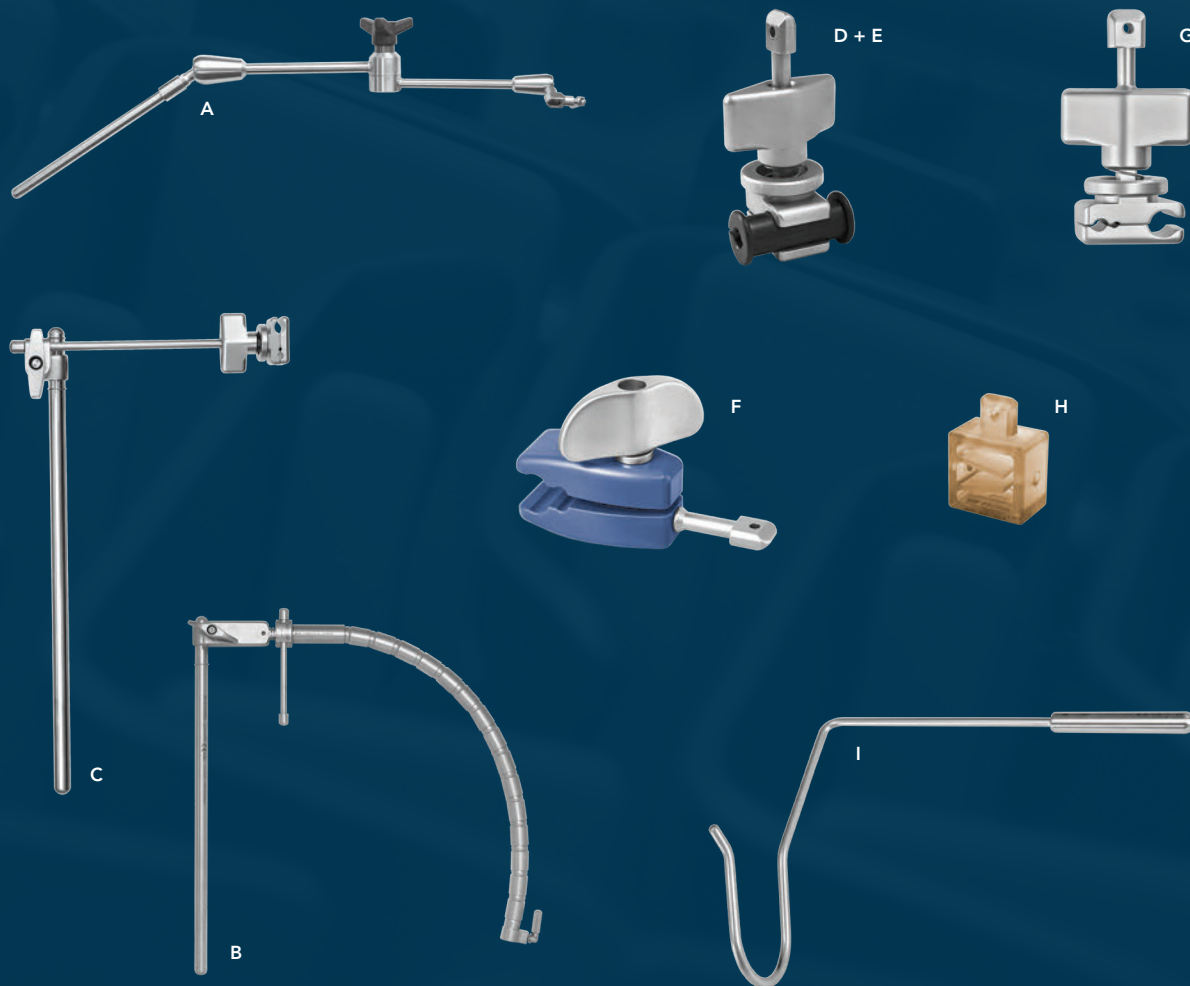
REF	ITEM DESCRIPTION	PART #
H	Scope Clip 5mm	42137F
	Scope Clip 7mm	42137S
	Scope Clip 10mm	42137T
	Scope Clip 11mm	42137E

NATHANSON HOOKS

The Nathanson Hook is used for organ retraction and held in place by the laparoscopic holder. (Duo Head required for use with #42133CEN or #42138LE)

REF	ITEM DESCRIPTION	PART #
	Small 5mm (169mm x 125mm x 12mm)	42200
	Medium 5mm (203mm x 167mm x 16mm)	42201
	Large 5mm (240mm x 222mm x 21mm)	42202
	Small 6 ½mm (169mm x 125mm x 12mm)	42203
	Medium 6 ½mm (203mm x 167mm x 16mm)	42204
I	Large 6 ½mm (240mm x 222mm x 21mm)	42205

Laparoscopic Surgery System Components



"Hands down, this should be every surgeon's go-to retractor."

- Michael Nizzi, DO, FACOS

Blades

Balfour 27

Malleable 28-29

Harrington ("Sweetheart")..... 29

Kelly 29

Fence 29

Richardson 30

Weinberg 30

Deaver 31

Splanchnich 31

St. Mark's 31

Concave Lateral 32

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Volkman 32

Murphy Rake 32

Fenestrated 33

Double Angled 33

Allison Lung 33

Aortic Aneurysm 33

Renal Vein 33-34

Reverse Lip Anterior Lumbar..... 35



S-LOCK® NOTICE:

Non-S-Lock blades are still available, but may require a longer lead time. Call for more information. Radiolucent general blades also available, please call for more information.
(Please allow 2 weeks lead time.)



Balfour

Costal margin or abdominal wall retraction.

BALFOUR BLADES (*Radiopaque*) *

ITEM DESCRIPTION	PART #
32mm x 32mm (1 1/8" x 1 1/8")	SL46142
51mm x 51mm (2" x 2")	SL46142P
76mm x 51mm (3" x 2")	SL46140P
70mm x 73mm (2 3/4" x 3")	SO46140
83mm x 72mm (3 1/4" x 3")	SO46141
85mm x 123mm (3 1/4" x 5")	SO46141D
83mm x 175mm (3 1/4" x 6 7/8")	SO46141F
70mm x 73mm (2 3/4" x 3") [with small lips]	SO46140C
83mm x 72mm (3 1/4" x 3") [with small lips]	SO46141C

BALFOUR BLADES (*Radiolucent*) *

ITEM DESCRIPTION	PART #
65mm x 72mm (2 1/2" x 2 3/4")	SL46140ET **
65mm x 72mm (2 1/2" x 2 3/4")	SO46140ET
83mm x 72mm (3 1/4" x 2 3/4")	SL46141ET **
83mm x 72mm (3 1/4" x 2 3/4")	SO46141ET
65mm x 72mm (2 1/2" x 2 3/4") [with small lips]	SO46140CET
83mm x 72mm (3 1/4" x 2 3/4") [with small lips]	SO46141CET
64mm x 83mm (2 1/2" x 3 1/4") Anodized Aluminum	SO46140EB
83mm x 72mm (3 1/4" x 2 3/4") Anodized Aluminum	SO46141EB
30mm x 32mm (1 1/8" x 1 1/4") Anodized Aluminum	SL46142EB
70mm x 73mm (2 3/4" x 3") [w/small lips] Anodized Aluminum	SO46140CEB
83mm x 72mm (3 1/4" x 3") [w/small lips] Anodized Aluminum	SO46141CEB
85mm x 123mm (3 1/4" x 5") Anodized Aluminum	SO46141DEB

* Any Balfour blades may be ordered with small lips or without lips. Call your Thompson representative to order. ** For anterior lumbar use only.



Non-Slip Balfour

Aligns with anatomy, reducing slippage on costal margin retraction.

NON-SLIP BALFOUR BLADES (*Radiopaque*)

ITEM DESCRIPTION	PART #
Right 77mm x 94mm [Stainless Steel]	SO46169C
Left 77mm x 94mm [Stainless Steel]	SO46168C
Right 77mm x 66mm [Stainless Steel]	SO46169B
Left 77mm x 66mm [Stainless Steel]	SO46168B

NON-SLIP BALFOUR BLADES (*Radiolucent*)

ITEM DESCRIPTION	PART #
Right 77mm x 94mm [Anodized Aluminum]	SO46169CEB
Left 77mm x 94mm [Anodized Aluminum]	SO46168CEB
Right 77mm x 66mm [Anodized Aluminum]	SO46169BEB
Left 77mm x 66mm [Anodized Aluminum]	SO46168BEB



Wide Balfour

Costal margin or abdominal wall retraction (no lip).

WIDE BALFOUR (ROCHARD) BLADES (*Radiopaque*)

ITEM DESCRIPTION	PART #
83mm x 57mm (3 1/4" x 2 1/4")	SO46241A
102mm x 57mm (4" x 2 1/4")	SO46241B
114mm x 57mm (4 1/2" x 2 1/4")	SO46241C

WIDE BALFOUR (ROCHARD) BLADES (*Radiolucent*)

ITEM DESCRIPTION	PART #
83mm x 57mm (3 1/4" x 2 1/4") Anodized Aluminum	SO46241AEB
102mm x 57mm (4" x 2 1/4") Anodized Aluminum	SO46241BEB
114mm x 57mm (4 1/2" x 2 1/4") Anodized Aluminum	SO46241CEB



Malleable

Ideal for soft tissue retraction. Malleable design offers versatility.

MALLEABLE BLADES (Radiopaque)

ITEM DESCRIPTION	PART #
25mm x 110 mm (1 " x 4 5/16")	SL45656A
13mm x 90mm (1/2 " x 3 1/2")	SL45657A
13mm x 64mm (1/2 " x 2 1/2")	SL46115
13mm x 152mm (1/2 " x 6")	SL46116
13mm x 203mm (1/2 " x 8")	SL46117
25mm x 203mm (1 " x 8")	SL46118
25mm x 104mm (1 " x 4")	SL46118P
25mm x 254mm (1 " x 10")	SL46118A
38mm x 254mm (1 1/2 " x 10")	SL46118B
25mm x 127mm (1 " x 5")	SL46119
51mm x 102mm (2 " x 4")	SL46122P
51mm x 203mm (2 " x 8")	SL46122
51mm x 254mm (2 " x 10")	SL46122A
38mm x 203mm (1 1/2 " x 8")	SL46123
64mm x 254mm (2 1/2 " x 10")	SL46124
76mm x 254mm (3 " x 10")	SO46124A
102mm x 254mm (4 " x 10")	SO46124B

MALLEABLE BLADES (Radiolucent)

ITEM DESCRIPTION	PART #
25mm x 110mm (1 " x 4 1/2")	SL45656AT
13mm x 90mm (1/2 " x 3 1/2")	SL45657AT
13mm x 64mm (1/2 " x 2 1/2")	SL46115ET
13mm x 152mm (1/2 " x 6")	SL46116ET

MALLEABLE BLADES (Radiolucent) (Continued)

ITEM DESCRIPTION	PART #
13mm x 203mm (1/2 " x 8")	SL46117ET
25mm x 203mm (1 " x 8")	SL46118ET
25mm x 102mm (1 " x 4")	SL46118PET
51mm x 254mm (2 " x 10")	SL46122AET
51mm x 203mm (2 " x 8")	SL46122ET
64mm x 254mm (2 1/2 " x 10")	SL46124ET
76mm x 254mm (3 " x 10")	SO46124AET
102mm x 254mm (4 " x 10")	SO46124BET



Malleable Finger

Fingers provide gentle organ retraction.

MALLEABLE FINGER BLADES (Radiopaque)

ITEM DESCRIPTION	PART #
3"	SL46191SP
4"	SL46191P
6"	SL46191
8"	SL46191L

MALLEABLE FINGER BLADES (Radiolucent)

ITEM DESCRIPTION	PART #
6"	SL46191ET



Malleable Slotted

Soft tissue retraction. Slots create additional malleability.

MALLEABLE SLOTTED BLADES (Radiopaque)

ITEM DESCRIPTION	PART #
51mm x 203mm (2" x 8")	SL46122V
76mm x 203mm (3" x 8")	SO46124AV



Harrington ("Sweetheart")

Ideal for organ or soft tissue retraction.

HARRINGTON BLADES (Radiopaque)

ITEM DESCRIPTION	PART #
38mm x 127mm (1 ½" x 5")	SL46162P
64mm x 102mm (2 ½" x 4")	SL46165
64mm x 152mm (2 ½" x 6")	SL46160
64mm x 203mm (2 ½" x 8")	SL46163
64mm x 254mm (2 ½" x 10")	SL46164
114mm x 254mm (4 ½" x 10")	SL46161

HARRINGTON BLADE (Radiolucent)

ITEM DESCRIPTION	PART #
64mm x 152mm (2 ½" x 6")	SL46160ET



Kelly

Abdominal or incisional wall retraction.

KELLY BLADES (Radiopaque)

ITEM DESCRIPTION	PART #
38mm x 51mm (1 ½" x 2")	SL46127
51mm x 64mm (2" x 2 ½")	SL46128
64mm x 76mm (2 ½" x 3")	SO46129
76mm x 89mm (3" x 3 ½")	SO46130

KELLY BLADES (Radiolucent)

ITEM DESCRIPTION	PART #
64mm x 76mm (2 ½" x 3")	SO46129ET
76mm x 89mm (3" x 3 ½")	SO46130ET



Fence

Lateral retraction of abdominal wall on large procedures.

FENCE BLADES (Radiopaque)

ITEM DESCRIPTION	PART #
102mm x 102mm (4" x 4")	SO46134
102mm x 127mm (4" x 5")	SO46135
102mm x 152mm (4" x 6")	SO46136
102mm x 203mm (4" x 8")	SO46136A

FENCE BLADE (Radiolucent)

ITEM DESCRIPTION	PART #
102mm x 152mm (4" x 6")	SO46136ET



Mini-Richardson

Retracts tissue in shallow incision sites. Concave shape allows for more robust retraction against strong tissues.

MINI-RICHARDSON BLADES (Radiopaque)

ITEM DESCRIPTION	PART #
19mm x 25mm (¾" x 1")	SL46125
19mm x 51mm (¾" x 2")	SL46125A
25mm x 32mm (1" x 1 ¼")	SL46126



Weinberg

Abdominal wall retraction. Fixed ½" handle requires ½" x ½" joint.

FIXED WEINBERG BLADES (Radiopaque) *

ITEM DESCRIPTION	PART #
102mm x 152mm (4" x 6")	42520
83mm x 133mm (3 ¼" x 5 ¼")	42521
102mm x 203mm (4" x 8")	42522

(* ½" handle, requires ½" x ½" joint for use)



Richardson

Abdominal wall retraction.

RICHARDSON BLADES (Radiopaque)

ITEM DESCRIPTION	PART #
51mm x 76mm (2" x 3")	SL46154
51mm x 102mm (2" x 4")	SL46150
51mm x 127mm (2" x 5")	SO46151
51mm x 152mm (2" x 6")	SO46152
51mm x 178mm (2" x 7")	SO46153
44mm x 51mm (1 ¾" x 2")	SL46149

RICHARDSON BLADES (Radiolucent)

ITEM DESCRIPTION	PART #
51mm x 178mm (2" x 7")	SO46153ET



Mini-Open Richardson

Muscle retraction for exposre with small or mini-incision.

MINI-OPEN RICHARDSON BLADES (Radiopaque)

ITEM DESCRIPTION	PART #
51mm x 76mm (2" x 3")	SL46155
51mm x 102mm (2" x 4")	SL46156
51mm x 127mm (2" x 5")	SL46157
51mm x 152mm (2" x 6")	SL46158



Deaver

Deaver blades aid in soft tissue retraction.

DEAVER BLADES (NON MALLEABLE) (Radiopaque)

ITEM DESCRIPTION	PART #
25mm x 127mm (1" x 5")	SL46170
38mm x 127mm (1 ½" x 5")	SL46172
51mm x 127mm (2" x 5")	SL46174
64mm x 127mm (2 ½" x 5")	SO46175
76mm x 127mm (3" x 5")	SO46176
102mm x 127mm (4" x 5")	SO46178

DEAVER BLADES (Radiolucent)

ITEM DESCRIPTION	PART #
25mm x 127mm (1" x 5")	SL46170ET
38mm x 127mm (1 ½" x 5")	SL46172ET
51mm x 127mm (2" x 5")	SL46174ET
76mm x 127mm (3" x 5")	SL46176ET *
76mm x 127mm (3" x 5")	SO46176ET
102mm x 127mm (4" x 5")	SO46178ET

* For anterior lumbar use only.



Splanchnich

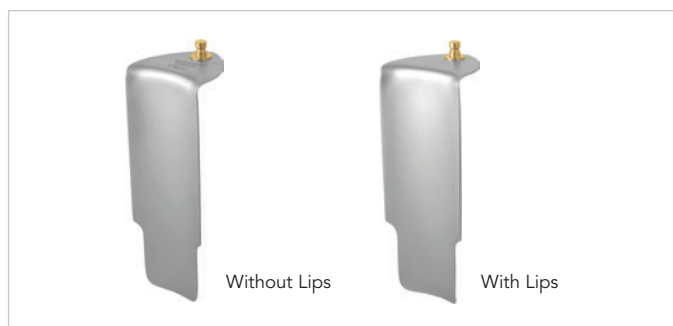
Splanchnich blades provide soft tissue retraction.

SPLANCHNICH BLADES (Radiopaque)

ITEM DESCRIPTION	PART #
51mm x 114mm (2" x 4 ½")	SL46145
51mm x 152mm (2" x 6")	SL46146

SPLANCHNICH BLADES (Radiolucent)

ITEM DESCRIPTION	PART #
25mm x 152mm (1" x 6")	SL46148ET
25mm x 203mm (1" x 8")	SL46149ET
51mm x 114mm (2" x 4 ½")	SL46145ET
51mm x 152mm (2" x 6")	SL46146ET
51mm x 203mm (2" x 8")	SL46147ET



St. Mark's

Soft tissue retraction.

ST. MARK'S BLADES (Radiopaque)

ITEM DESCRIPTION	PART #
64mm x 178mm (2 ½" x 7") [without lips]	SO46187A
64mm x 178mm (2 ½" x 7")	SO46188
64mm x 140mm (2 ½" x 5 ½")	SO46189



Concave Lateral

Ideal for medial and lateral retraction for head and neck procedures, such as thyroid or carotid. Concavity helps protect tissue and blunt distal end is less aggressive.

CONCAVE LATERAL BLADES (Radiopaque)

ITEM DESCRIPTION	PART #
18mm x 70mm ($\frac{5}{8}$ " x 2 $\frac{3}{4}$ ")	SL45640A
19mm x 55mm ($\frac{3}{4}$ " x 2 $\frac{1}{4}$ ")	SL45150A
25mm x 30mm (1" x 1 $\frac{1}{4}$ ")	SL45156A
25mm x 35mm (1" x 1 $\frac{1}{2}$ ")	SL45157A
25mm x 50mm (1" x 2")	SL45151A
25mm x 60mm (1" x 2 $\frac{3}{8}$ ")	SL45158A
25mm x 70mm (1" x 2 $\frac{3}{4}$ ")	SL45159A
25mm x 85mm (1" x 3 $\frac{3}{8}$ ")	SL45152A



Volkman

Skin and shallow muscle retraction.

VOLKMAN BLADES (Radiopaque)

ITEM DESCRIPTION	PART #
Sharp 25mm x 13mm (1" x $\frac{1}{2}$ ")	SL46210
Blunt 25mm x 13mm (1" x $\frac{1}{2}$ ")	SL46211
Sharp 16mm x 13mm ($\frac{5}{8}$ " x $\frac{1}{2}$ ")	SL46212
Blunt 16mm x 13mm ($\frac{5}{8}$ " x $\frac{1}{2}$ ")	SL46213



Concave Medial

Retracts anterior neck anatomy medially for head and neck exposures, such as thyroid or carotid.

CONCAVE MEDIAL BLADES (Radiopaque)

ITEM DESCRIPTION	PART #
13mm x 51mm ($\frac{1}{2}$ " x 2")	SL45212A
13mm x 75mm ($\frac{1}{2}$ " x 3")	SL45214A
13mm x 100mm ($\frac{1}{2}$ " x 4")	SL45216A
19mm x 51mm ($\frac{3}{4}$ " x 2")	SL45222A
19mm x 75mm ($\frac{3}{4}$ " x 3")	SL45224A
19mm x 100mm ($\frac{3}{4}$ " x 4")	SL45226A
25mm x 51mm (1" x 2")	SL45232A
25mm x 75mm (1" x 3")	SL45234A
25mm x 100mm (1" x 4")	SL45236A
32mm x 70mm (1 $\frac{1}{4}$ " x 2 $\frac{3}{4}$ ")	SL45153A
38mm x 70mm (1 $\frac{1}{2}$ " x 2 $\frac{3}{4}$ ")	SL45154A
38mm x 85mm (1 $\frac{1}{2}$ " x 3 $\frac{3}{8}$ ")	SL45155A



Murphy Rake

Skin and shallow muscle retraction.

MURPHY RAKE BLADES (Radiopaque)

ITEM DESCRIPTION	PART #
Sharp - 3 Prong 19mm x 13mm ($\frac{3}{4}$ " x $\frac{1}{2}$ ")	SL46216
Sharp - 4 Prong 25mm x 13mm (1" x $\frac{1}{2}$ ")	SL46214
Blunt - 3 Prong 19mm x 13mm ($\frac{3}{4}$ " x $\frac{1}{2}$ ")	SL46217
Blunt - 4 Prong 25mm x 13mm (1" x $\frac{1}{2}$ ")	SL46215



Fenestrated

Abdominal or incisional wall retraction.

FENESTRATED BLADES (Radiopaque)

ITEM DESCRIPTION	PART #
44mm x 89mm (1 ¾" x 3 ½")	SL46143
48mm x 127mm (1 7/8" x 5")	SL46144



Double Angled

Soft tissue retraction.

DOUBLE ANGLED BLADES (Radiopaque)

ITEM DESCRIPTION	PART #
13mm x 70mm (½" x 2 ¾")	SL46663
13mm x 76mm (½" x 3")	SL46662
25mm x 64mm (1" x 2 ½")	SL46661
25mm x 76mm (1" x 3")	SL46660



Allison Lung

Lung retraction.

ALLISON LUNG RETRACTOR (Radiopaque)

ITEM DESCRIPTION	PART #
229mm (9")	SL46183



Concave Renal Vein

Renal vein or vessel retraction.

CONCAVE RENAL VEIN BLADES (Radiopaque)

ITEM DESCRIPTION	PART #
25mm x 140mm (1" x 5 ½")	SL46119B
25mm x 191mm (1" x 7 ½")	SL46119C

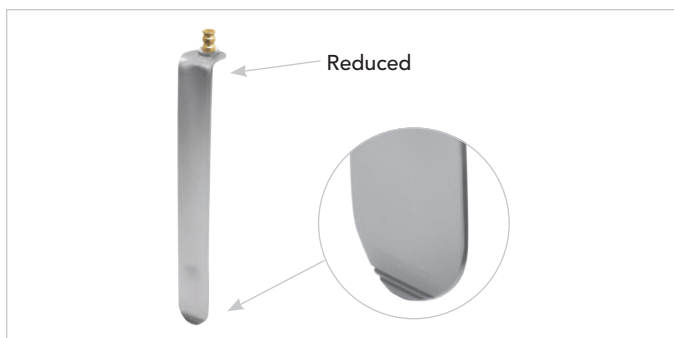
MALLEABLE CONC RENAL VEIN BLADES (Radiolucent)

ITEM DESCRIPTION	PART #
25mm x 140mm (1" x 5 ½")	SL46119BET
25mm x 191mm (1" x 7 ½")	SL46119CET



BLADE NOTICE:

For additional vascular blades, see pages 34 - 35

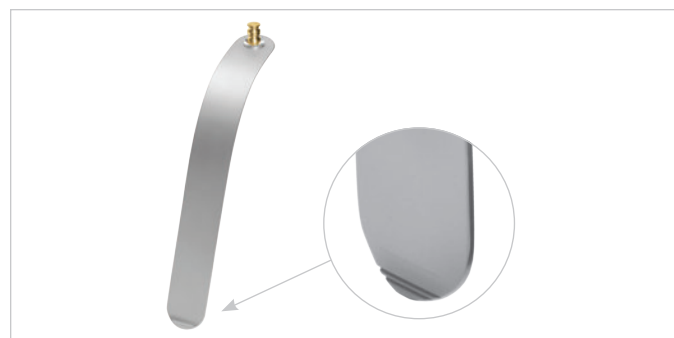


Brau Reverse Lip ASA Rigid

Engages at the lateral aspect of the disc and vertebral body to expose the anterior lumbar spine.

BRAU REVERSE LIP ASA RIGID ANTERIOR LUMBAR BLADES (*Radiolucent*) (*Reduced Horizontal Length*)

ITEM DESCRIPTION	PART #
Rigid 25mm x 100mm	SL46260RET
Rigid 25mm x 110mm	SL46261RET
Rigid 25mm x 120mm	SL46262RET
Rigid 25mm x 130mm	SL46263RET
Rigid 25mm x 150mm	SL46265RET
Rigid 25mm x 170mm	SL46267RET
Rigid 25mm x 190mm	SL46269RET
Rigid 25mm x 210mm	SL46271RET
Rigid 25mm x 230mm	SL46273RET
Rigid 25mm x 250mm	SL46275RET
Rigid 32mm x 100mm	SL46280RET
Rigid 32mm x 120mm	SL46282RET
Rigid 32mm x 140mm	SL46284RET
Rigid 32mm x 160mm	SL46286RET
Rigid 32mm x 180mm	SL46288RET
Rigid 32mm x 200mm	SL46290RET
Rigid 32mm x 220mm	SL46292RET
Rigid 32mm x 230mm	SL46293RET
Rigid 32mm x 240mm	SL46294RET
Rigid 32mm x 250mm	SL46295RET

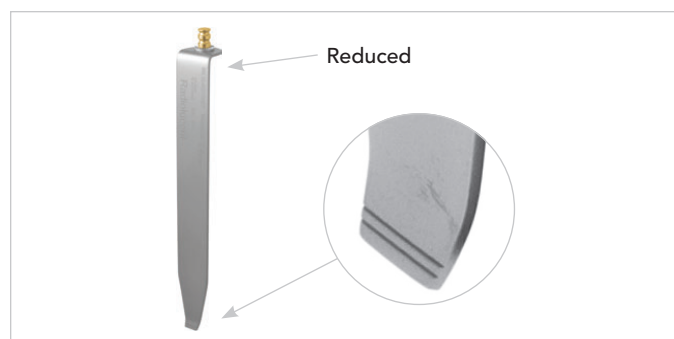


Brau Reverse Lip ASA Malleable

Engages at the lateral aspect of the disc and vertebral body to expose the anterior lumbar spine. Malleable design is ideal for vessel or soft tissue retraction.

BRAU REVERSE LIP ASA MALLEABLE ANTERIOR LUMBAR BLADES (*Radiolucent*)

ITEM DESCRIPTION	PART #
Malleable 25mm x 200mm	SL46192ET
Malleable 32mm x 200mm	SL46193ET



Brau Reverse Lip ASA Tapered

Engages at the lateral aspect of disc and vertebral body to expose the anterior lumbar spine. Tapered design is ideal for working around osteophytes.

BRAU TAPERED REVERSE LIP ASA ANTERIOR LUMBAR BLADES (*Radiolucent*) (*Reduced Horizontal Length*)

ITEM DESCRIPTION	PART #
Tapered 25mm x 100mm	SL46260TET
Tapered 25mm x 150mm	SL46265TET
Tapered 25mm x 200mm	SL46270TET



BLADE NOTICE:

Additional sizes available. Original Radiolucent Brau AL Blades with longer horizontal necks also still available. Please call for more information.



Concave Renal Vein

Rigid, low profile vessel retraction.

CONCAVE RENAL VEIN BLADES (*Radiolucent*)

ITEM DESCRIPTION	PART #
25mm x 80mm	SL46558
25mm x 90mm	SL46559
25mm x 100mm	SL46560
25mm x 110mm	SL46561
25mm x 120mm	SL46562
25mm x 130mm	SL46563
25mm x 140mm	SL46564
25mm x 150mm	SL46565
25mm x 160mm	SL46566
25mm x 170mm	SL46567
25mm x 180mm	SL46568
25mm x 190mm	SL46569
25mm x 200mm	SL46570
25mm x 210mm	SL46571
25mm x 220mm	SL46572
25mm x 230mm	SL46573
25mm x 240mm	SL46574
25mm x 250mm	SL46575



Depth Gauge

Measures the incision depth to aid in blade selection.

DEPTH GAUGE

ITEM DESCRIPTION	PART #
Anterior Lumbar Depth Gauge	51236



Malleable Renal Vein

Renal vein or vessel retraction.

MALLEABLE RENAL VEIN BLADES (*Radiopaque*)

ITEM DESCRIPTION	PART #
25mm x 203mm (1" x 8")	SL46118R



Rigid Renal Vein

Rigid vessel retraction.

RIGID RENAL VEIN BLADES (*Radiolucent*)

ITEM DESCRIPTION	PART #
25mm x 203mm (1" x 8")	SL46118RET
25mm x 140mm (1" x 5 1/2")	SL46119RET
25mm x 191mm (1" x 7 1/2")	SL46120RET
25mm x 254mm (1" x 10")	SL46121RET
25mm x 305mm (1" x 12")	SL46122RET



Suction for Anterior Lumbar Surgery (SALS)

Specially designed to fit narrow collapsed disc spaces, while oval shape helps reduce clogging. Also sturdy enough to be used as a distractor while working in the disc space.

SALS SUCTION TIP

ITEM DESCRIPTION	PART #
Suction for Anterior Lumbar Surgery	51234

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Other patents pending.

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