Thompson Retractor

Uncompromised Exposure™

Table of Contents

NOTICE:
Blade configurations shown in this Surgical Atlas are for illustrative purposes only.

Lithotomy Colon / Rectal
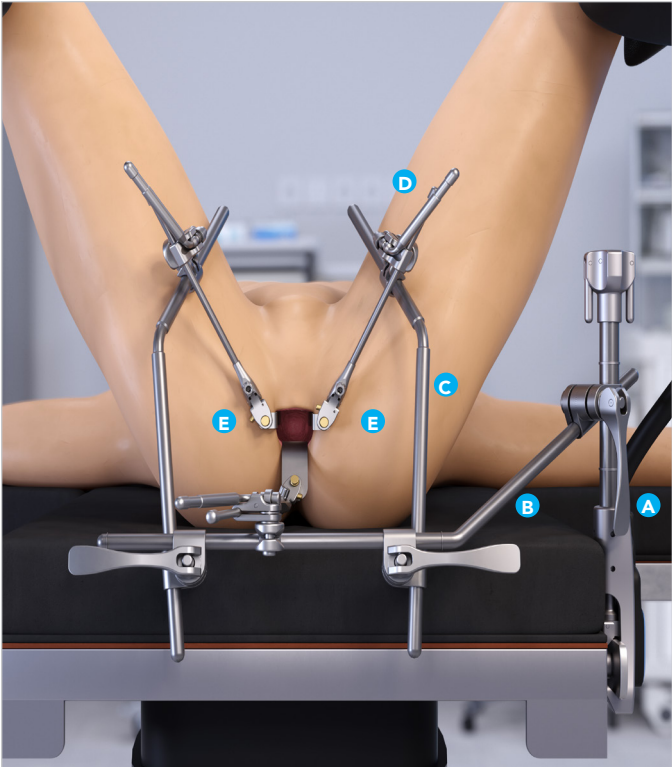
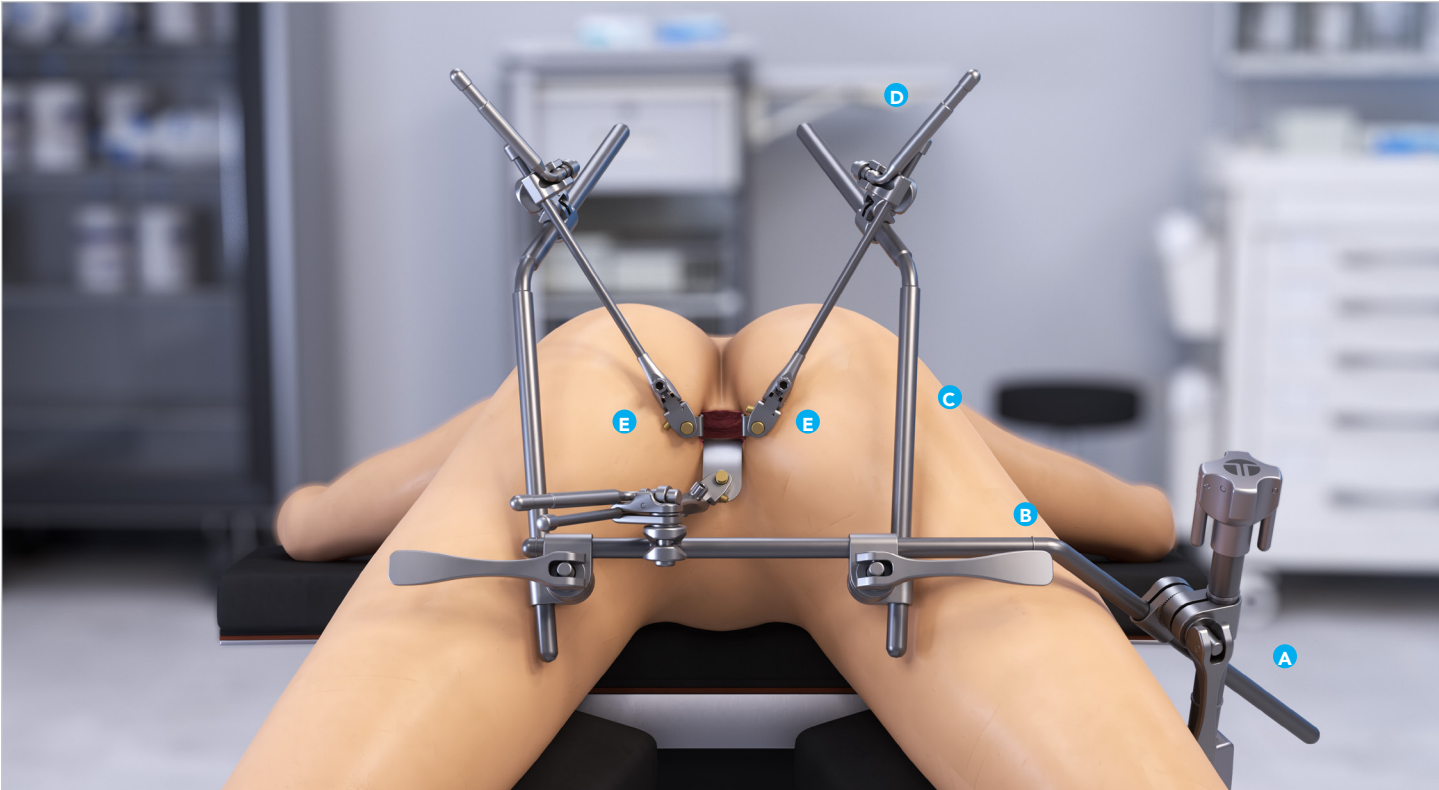## Abdominal Colon / Rectal
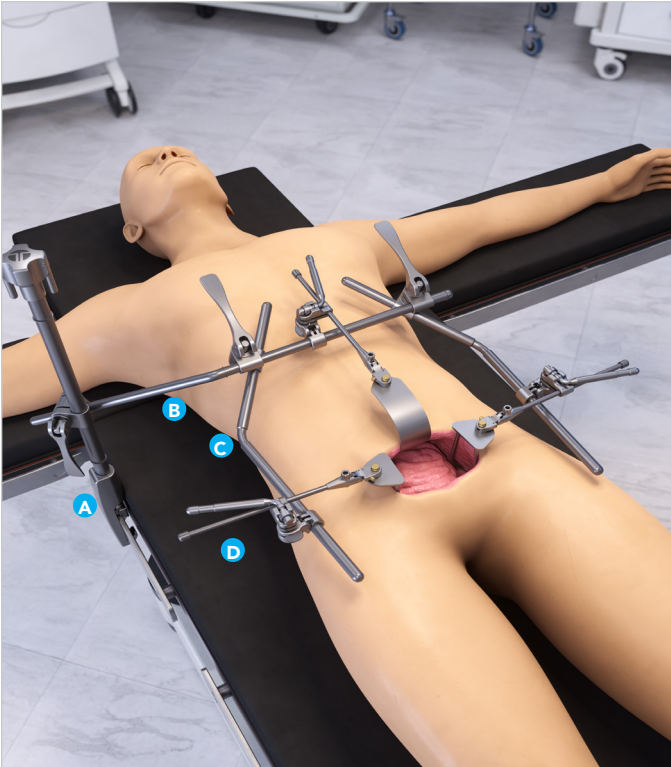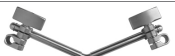
Prone Jack Knife Colon / Rectal

COLON / RECTAL SYSTEM   #SL82002

REF	IMAGE	PART #	ITEM DESCRIPTION	QTY	APPLICATION
			Tray 1		
A		43902AC	Elite III Rail Clamp with 1 Cam Joint 18"	1	Attaches to the rail of the OR table and holds the crossbar in position.
B		43900BC	24"Crossbar with 2 Cam III Joints (11" x 13")	1	Attaches to the rail clamp and holds the angled arms in place around the incision. May also support retractor handles.
C		44118N	18" Angled Arm (8" x 10") @ 45°	2	Attaches to the crossbar and holds the retractor handles in place around the incision.
		44124N	24" Angled Arm (8" x 16") @ 45°	2	
		44118B	18" Angled Closure Arm (9" x 9")	1	Attaches to the angled arms, enclosing the frame around the incision.
		50000G	Instrument Case (23" x 11" x 3 ½")	1	Holds instruments.
			Tray 2		
D		SL42126WGP	Cam II Clip-on Quick Angle 8"	3	Attaches retractor blades to frame and angles retractor blades as needed, 45° up or down.
		SL45006CGP	Micro-Adjustable II Clip-on Quick Angle 10"	2	Attaches blades to frame and angles blades as needed, 45° up or down. Provides precise micro-adjustments.
		60020	T-Handle	2	May be used on Quick Angle Handle to angle blade 45° up or down.
		SL46143	Fenestrated 44mm x 89mm (1 ¾" x 3 ½")	2	Abdominal or incisional wall retraction.
		SL46170	Deaver 25mm x 127mm (1" x 5")	2	Soft tissue retraction.
		SL46185	Hill-Ferguson 32mm x 76mm (1 ¼" x 3")	1	Exposure for hemorrhoid surgery.
		SL46186	Hill-Ferguson 25mm x 64mm (1" x 2 ½")	1	
E		SL46187	Rectal Blade 13mm x 117mm (½" x 4 ½")	2	Soft tissue retraction to expose bowel.
		SO46187A	St. Marks [no lip] 64mm x 178mm (2 ½" x 7")	1	Soft tissue retraction.
		SO46188	St. Marks [with lip] 64mm x 178mm (2 ½" x 7")	1	
		SO46189	St. Marks [with lip] 64mm x 140mm (2 ½" x 5 ½")	1	
		50000G	Instrument Case (23" x 11" x 3 ½")	1	Holds instruments.

General Abdominal
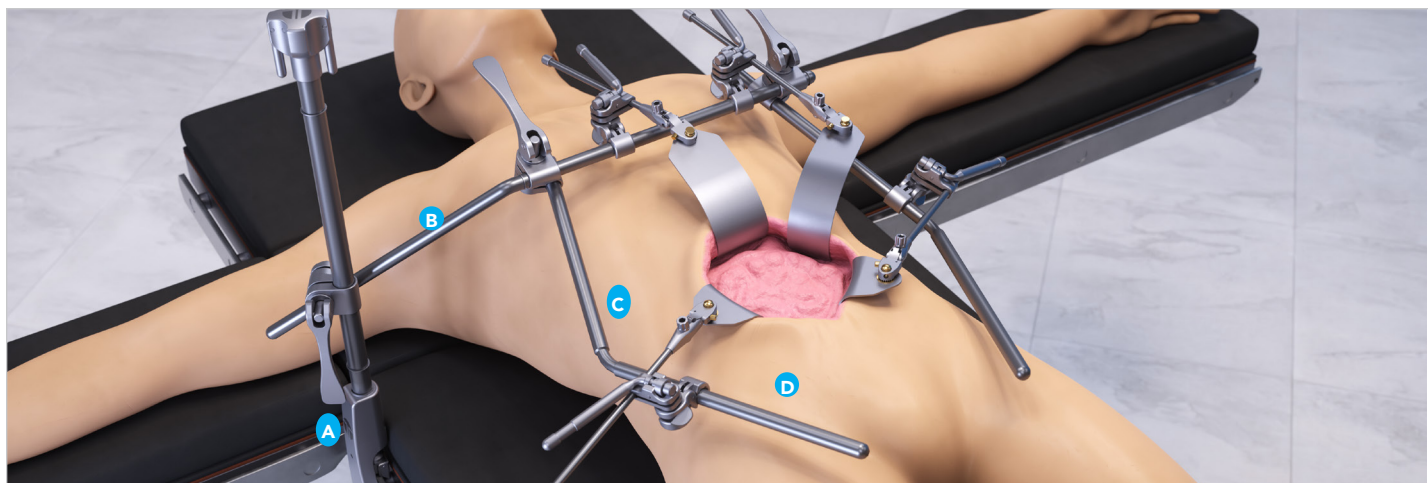
GENERAL / VASCULAR SYSTEM   #SL82003

Non S-Lock system also available, may require a longer lead time.

REF	IMAGE	PART #	ITEM DESCRIPTION	QTY	APPLICATION
			Tray 1		
A		43902AC	Elite III Rail Clamp with 1 Cam Joint 18"	1	Attaches to the rail of the OR table and holds the crossbar in position.
B		43900BC	24"Crossbar with 2 Cam III Joints (11" x 13")	1	Attaches to the rail clamp and holds the angled arms in place around the incision. May also support retractor handles.
C		44120	20"Angled Arm (10" x 10") @ 45°	2	Attaches to the crossbar and holds the retractor handles in place around the incision.
		44124N	24" Angled Arm (8" x 16") @ 45°	2	
D		SL42126WGP	Cam II Clip-On Quick Angle 8"	5	Attaches retractor blades to frame and angles retractor blades as needed, 45° up or down.
		SL45006CGP	Micro-Adjustable II Clip-On Quick Angle 10"	1	Attaches blades to frame and angles blades as needed, 45° up or down. Provides precise micro-adjustments.
		60020	T-Handle	2	May be used on Quick Angle Handle to angle blade 45° up or down.
		50000G	Instrument Case (23" x 11" x 3 ½")	1	Holds instruments.
			Tray 2		
		SL46119B	Concave Round Neck Renal 25mm x 140mm (1" x 5 ½")	2	Renal vein or vessel retraction.
		SL46119C	Concave Round Neck Renal 25mm x 190mm (1"x 7 ½")	2	
		SL46118	Malleable 25mm x 203mm (1" x 8")	1	Soft tissue retraction.
		SL46122	Malleable 51mm x 203mm (2" x 8")	2	
		SL46124	Malleable 64mm x 254mm (2 ½" x 10")	1	
		SO46124A	Malleable 76mm x 254mm (3" x 10")	1	

GENERAL / VASCULAR SYSTEM   #SL82003 (Continued)

REF	IMAGE	PART #	ITEM DESCRIPTION	QTY	APPLICATION
		SL46122V	Malleable Slotted 51mm x 203mm (2" x 8")	1	Soft tissue retraction.
		SO46124AV	Malleable Slotted 76mm x 203mm (3" x 8")	1	
		SL46125	Richardson 19mm x 25mm (¾" x 1")	1	Muscle retraction for exposure with small or mini-incision.
		SO46129	Kelly 64mm x 76mm (2 ½" x 3")	2	Abdominal or incisional wall retraction.
		SO46130	Kelly 76mm x 89mm (3" x 3 ½")	1	
		SO46134	Fence 102mm x 102mm (4" x 4")	1	Lateral retraction of abdominal wall on large procedures.
		SO46135	Fence 102mm x 127mm (4" x 5")	1	
		SO46136	Fence 102mm x 152mm (4" x 6")	1	
		SO46140	Balfour [lips] 70mm x 73mm (2 ¾" x 3")	1	Costal margin or abdominal wall retraction.
		SO46140C	Balfour [sm lips] 66mm x 73mm (2 ½" x 3")	2	
		SO46141	Balfour [lips] 83mm x 73mm (3 ¼" x 3")	1	
		SO46141C	Balfour [sm lips] 78mm x 73mm (3" x 3")	1	
		SL46143	Fenestrated 44mm x 89mm (1 ¾" x 3 ½")	2	Abdominal or incisional wall retraction.
		SL46144	Fenestrated 48mm x 127mm (1 ⅞" x 5")	2	
		SL46145	Splanchnich 51mm x 114mm (2" x 4 ½")	1	Soft tissue retraction.
		SL46146	Splanchnich 51mm x 152mm (2" x 6")	1	
		SL46151	Richardson 51mm x 127mm (2" x 5")	2	Abdominal wall retraction.
		SL46160	Harrington 64mm x 152mm (2 ½" x 6")	1	Organ or soft tissue retraction.
		SL46174	Deaver 51mm x 127mm (2" x 5")	1	Soft tissue retraction.
		SO46176	Deaver 76mm x 127mm (3" x 5")	1	
		SO46188	St. Marks [lip] 64mm x 178mm (2 ½" x 7")	1	Soft tissue retraction.
		SL46191	Malleable Finger 152mm (6")	1	Gentle organ retraction.
		SO46241A	Wide Balfour 83mm x 57mm (3 ¼" x 2 ¼")	1	Costal margin or abdominal wall retraction.
		SO46241B	Wide Balfour 100mm x 61mm (4" x 2 ⅜")	1	
		SO46241C	Wide Balfour 114mm x 63mm (4 ½" x 2 ½")	1	
		50000G	Instrument Case (23" x 11" x 3 ½")	1	Holds instruments.

RingTrack® General Abdominal
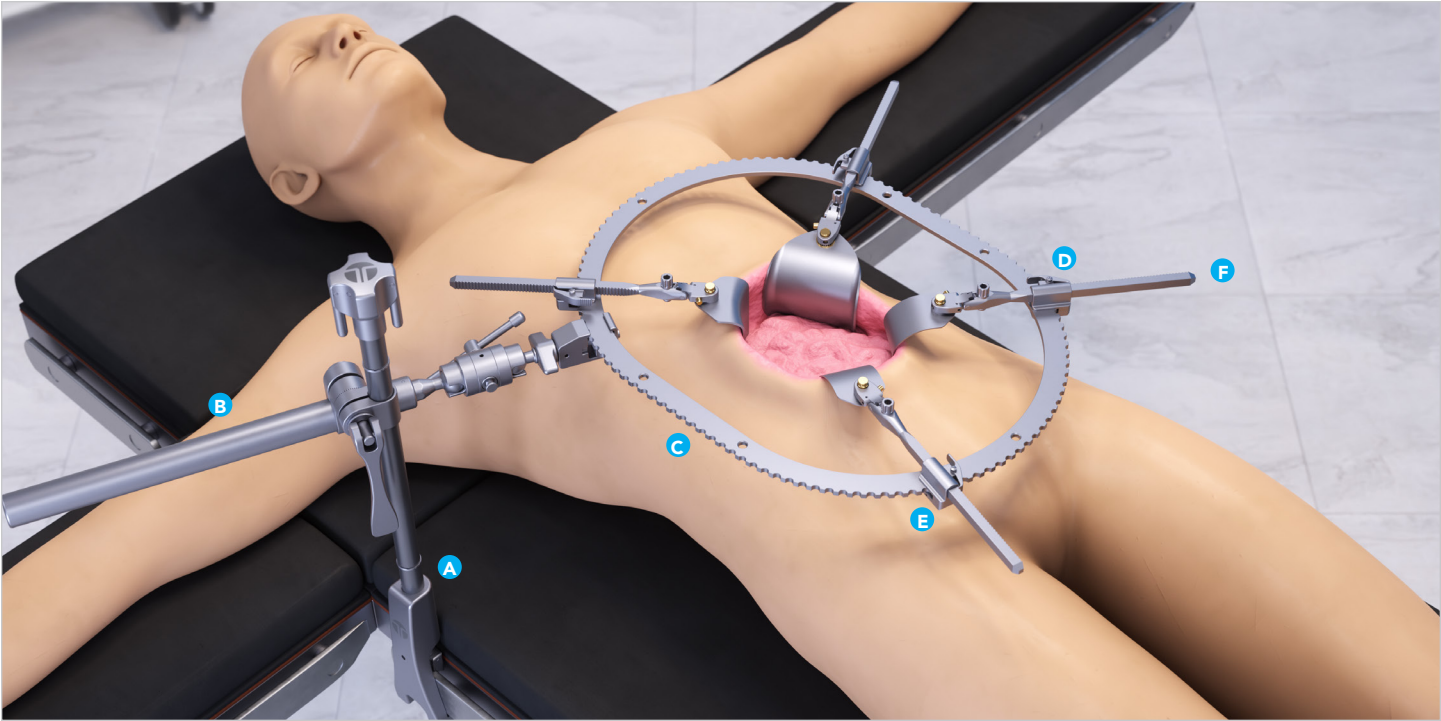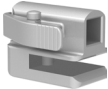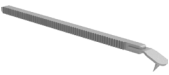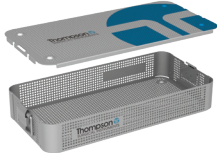
RINGTRACK® GENERAL / VASCULAR / TRAUMA SYSTEM   #SL82034

Fixed system also available.

REF	IMAGE	PART #	ITEM DESCRIPTION	QTY	APPLICATION
			Tray 1		
A		47902ACL	RingTrack® Elite III Rail Clamp 16" with 1 Cam Joint	1	Attaches to the rail of the OR table and holds the horizontal bar in position.
B		47400	RingTrack® Articulating Horizontal Bar 18 ½"	1	Attaches to the crossbar and holds the ring in place around the incision.
		47437	RingTrack® Horizontal Bar 14 ¼"	1	
		47418	RingTrack® Round Ring Medium Half 10 ½"	2	Two are joined together to form a ring. Ring attaches to the horizontal bar and holds the retractors in place around the incision.
		47434	RingTrack® Straight Segment 8"	2	Two may be applied to two ring halves to create an oval ring
C		47412	RingTrack® Oval Ring Medium 10 ½" x 14 ½"	1	Attaches to the horizontal bar and holds the retractors in place around the incision.

REF	IMAGE	PART #	ITEM DESCRIPTION	QTY	APPLICATION
		50000W	Instrument Case 24" x 16" x 3"	1	Holds instruments for sterilization, storage, and transportation.
Tray 2					
D		47440	RingTrack® Ratchet	2	Attaches to the ring and holds the retractor handle in place.
E		47442	RingTrack® Angling Ratchet	6	Attaches to the ring and holds the retractor handle in place. Allows the handle to be angled down.
F		SL45005G	RingTrack® Quick Angle Handle 8"	8	When used with the ratchet, attaches retractor blades to the ring and angles retractor blades as needed, 45° up or down.
		60020	T-Handle	2	May be used on Quick Angle Handle to angle blade 45° up or down.
		SL46160	Harrington 64mm x 152mm (2 ½" x 6")	1	Organ or soft tissue retraction.
		SO46141C	Balfour [sm lips] 78mm x 73mm (3" x 3")	2	Costal margin or abdominal wall retraction.
		SL46154	Richardson 51mm x 76mm (2" x 3")	2	Abdominal wall retraction.
		SL46150	Richardson 51mm x 102mm (2" x 4")	1	
		SL46151	Richardson 51mm x 127mm (2" x 5")	1	
		SL46152	Richardson 51mm x 152mm (2" x 6")	1	
		SL46112	Malleable 51mm x 165mm (2" x 6 ½")	2	Soft tissue retraction.
		SL46120B	Malleable 38mm x 152mm (1 ½" x 6")	1	
		SO46124A	Malleable 76mm x 254mm (3" x 10")	1	
		47115W	RingTrack® Gelpi ½"	1	
		50000G	Instrument Case (23" x 11" x 3 ½")	1	Holds instruments for sterilization, storage, and transportation.

Thyroid

SMALL INCISION SYSTEM   #SL82037

Non S-Lock system also available, may require a longer lead time.

REF	IMAGE	PART #	ITEM DESCRIPTION	QTY	APPLICATION
			Tray 1		
A		43902ACS	Elite III Rail Clamp with 1 Cam Joint 11"	2	Attaches to the rail of the OR table and holds the angled arm in position.
		44117N	17" Angled Arm (10" x 7") @ 45°	2	Attaches to the rail clamp and holds the retractor handles in place around the incision.
B		44120	20" Angled Arm (10" x 10") @ 45°	2	
		44012H	12" Extension Arm with Spring Hinge Joint	1	May be added to the angled arm if superior retraction is needed.
C		SL42126WGP	Cam II Clip-on Quick Angle 8"	5	Attaches retractor blades to frame and angles retractor blades as needed, 45° up or down.
		60020	T-Handle	2	May be used on Quick Angle Handle to angle blade 45° up or down.

SMALL INCISION SYSTEM   #SL82009   *(Continued)*

REF	IMAGE	PART #	ITEM DESCRIPTION	QTY	APPLICATION
		SL46125	Richardson 19mm x 25mm (¾" x 1")	2	Muscle retraction for exposure with small or mini-incision.
		SL46125A	Richardson 19mm x 51mm (¾" x 2")	1	
		SL46126	Richardson 25mm x 32mm (1" x 1 ¼")	1	
		SL46149	Richardson 44mm x 51mm (1 ¾" x 2")	2	Abdominal wall retraction.
		SL46150	Richardson 51mm x 102mm (2" x 4")	1	
		SL46115	Malleable 13mm x 64mm (½" x 2 ½")	2	Soft tissue retraction.
		SL46211	Volkman Blunt 6 Prong 25mm x 13mm (1" x ½")	1	Skin and shallow muscle retraction.
		SL46212	Volkman Sharp 4 Prong 16mm x 13mm (⅝" x ½")	1	
		SL46213	Volkman Blunt 4 Prong 16mm x 13 mm (⅝" x ½")	1	
		SL46214	Murphy Sharp 4 Prong 25mm x 13mm (1" x ½")	1	
		SL46215	Murphy Blunt 4 Prong 25mm x 13mm (1" x ½")	1	
		SL46217	Murphy Blunt 3 Prong 19mm x 13mm (¾" x ½")	1	
		SL45157A	Concave Lateral 25mm x 40mm (1" x 1 ½")	1	Medial and lateral retraction for head and neck procedures.
		SL45159A	Concave Lateral 25mm x 70mm (1" x 2 ¾")	2	
		SL45232A	Concave Medial 25mm x 50mm (1" x 2")	2	Medial retraction for head and neck procedures.
		SL45153A	Concave Medial 32mm x 70mm (1 ¼" x 2 ¾")	2	
		50000G	Instrument Case (23" x 11" x 3 1/2")	1	Holds instruments for sterilization, storage, and transportation.

Abdominal Trauma

TRAUMA SYSTEM   #SL82036

Non S-Lock system also available, may require a longer lead time.

REF	IMAGE	PART #	ITEM DESCRIPTION	QTY	APPLICATION
			Tray 1		
A		43902AC	Elite III Rail Clamp with 1 Cam Joint 18"	1	Attaches to the rail of the OR table and holds the crossbar in position.
B		43900BC	24"Crossbar with 2 Cam III Joints (11" x 13")	1	Attaches to the rail clamp and holds the angled arms in place around the incision. May also support retractor handles.
C		44120	20"Angled Arm (10" x 10") @ 45°	2	Attaches to the crossbar and holds the retractor handles in place around the incision.
		44124N	24" Angled Arm (8" x 16") @ 45°	2	
D		SL42126WGP	Cam II Clip-On Quick Angle 8"	6	Attaches retractor blades to frame and angles retractor blades as needed, 45° up or down.

TRAUMA SYSTEM   #SL82036 *(Continued)*

REF	IMAGE	PART #	ITEM DESCRIPTION	QTY	APPLICATION
		60020	T-Handle	2	May be used on Quick Angle Handle to angle blade 45° up or down.
		50000G	Instrument Case (23" x 11" x 3 ½")	1	Holds instruments.
Tray 2					
		SL46112	Malleable 51mm x 165mm (2" x 6 ½")	2	Soft tissue retraction.
		SL46120B	Malleable 38mm x 152mm (1 ½" x 6")	1	
		SO46124A	Malleable 76mm x 254mm (3" x 10")	1	
		SO46129	Kelly 64mm x 76mm (2 ½" x 3")	2	Abdominal or incisional wall retraction.
		SO46140C	Balfour [sm lips] 66mm x 73mm (2 ½" x 3")	2	Costal margin or abdominal wall retraction.
		SL46143	Fenestrated 44mm x 89mm (1 ¾" x 3 ½")	2	Abdominal or incisional wall retraction.
		SL46150	Richardson 51mm x 102mm (2" x 4")	1	Abdominal wall retraction.
		SL46151	Richardson 51mm x 127mm (2" x 5")	1	
		SL46152	Richardson 51mm x 152mm (2" x 6")	1	
		SL46160	Harrington 64mm x 152mm (2 ½" x 6")	1	Organ or soft tissue retraction.
		SO46188	St. Marks [lip] 64mm x 178mm (2 ½" x 7")	1	Soft tissue retraction.
		50000G	Instrument Case (23" x 11" x 3 ½")	1	Holds instruments.

Bariatric Liver Transplant
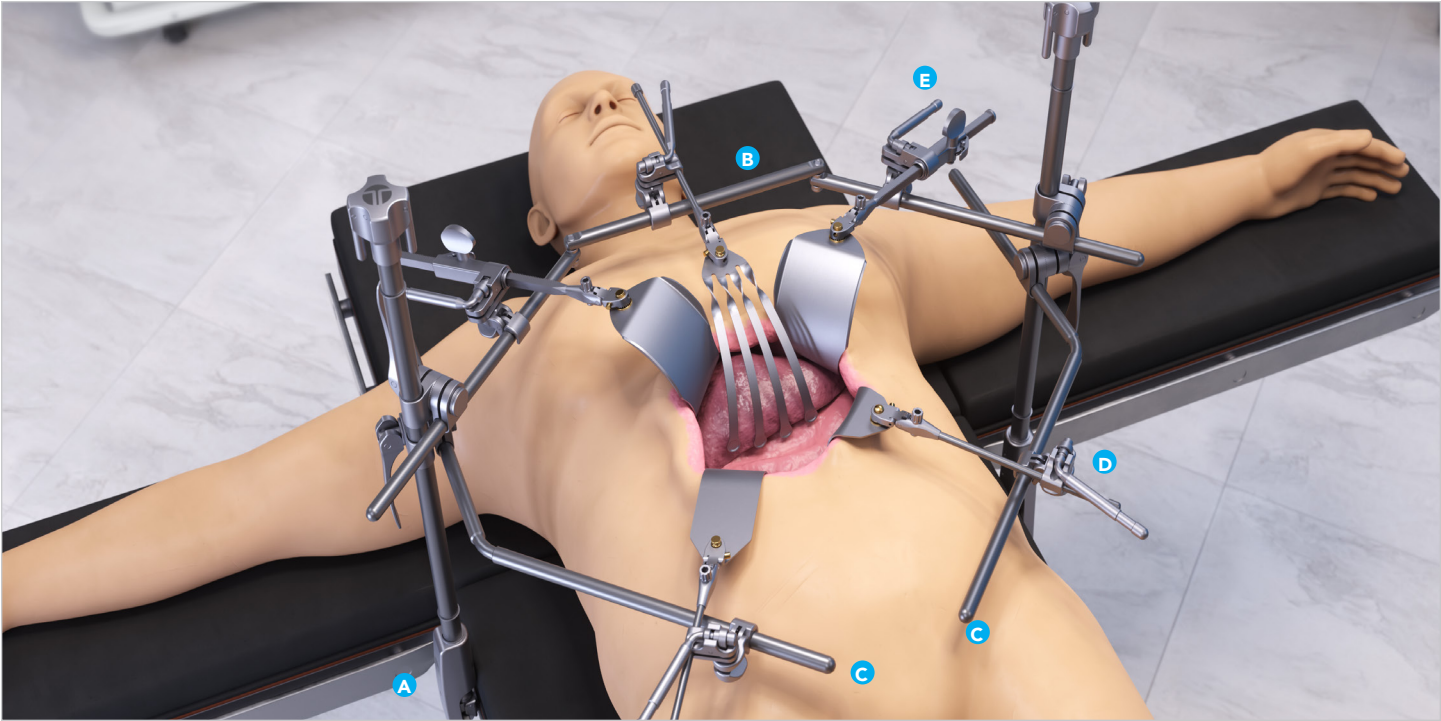
BARIATRIC SYSTEM #SL82001

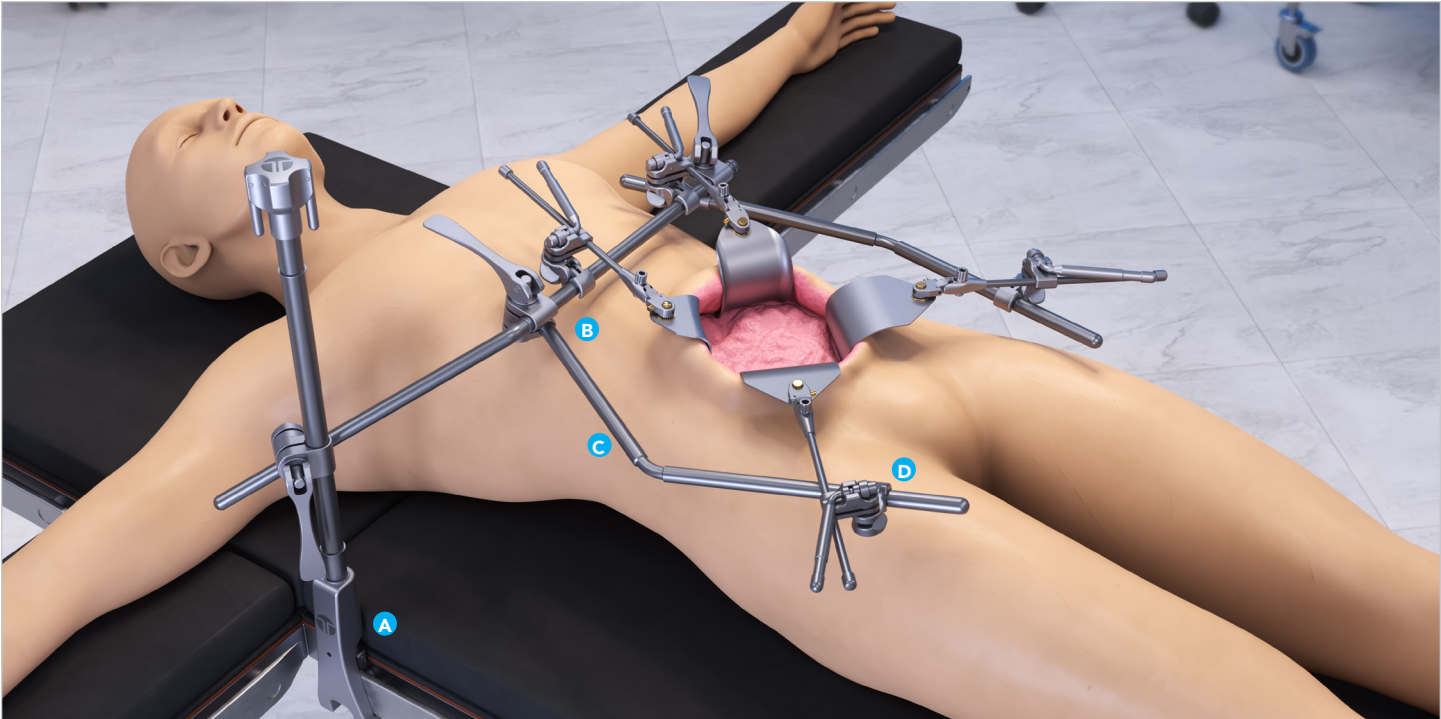Non S-Lock system also available, may require a longer lead time.

REF	IMAGE	PART #	ITEM DESCRIPTION	QTY	APPLICATION
			Tray 1		
A		43905AC	Elite III Rail Clamp w/2 Cam Joints 22"	2	Attaches to the rail of the OR table and holds the bilateral crossbar and angled arms in position.
B		41900PHL	41 ½" Bilateral Crossbar Hinged (14" x 10" x 14")	1	Attaches to the rail clamps to provide bilateral stability, and holds the retractor handles in place around the incision.
C		44124W	24" Angled Arm (11" x 13") @ 45°	2	Attaches to the crossbar and holds the retractor handles in place around the incision.
		50000BL	Instrument Case (26" x 10" x 5")	1	Holds instruments.
			Tray 2		
D		SL42126WGP	Cam II Clip-on Quick Angle 8"	5	Attaches retractor blades to frame and angles retractor blades as needed, 45° up or down.
E		SL45006CGP	Micro-Adjustable II Clip-on Quick Angle 10"	2	Attaches blades to frame and angles blades as needed, 45° up or down. Provides precise micro-adjustments.
		SL45006CGRP	Micro-Adjustable II Clip-on Quick Angle 15"	2	

Thompson Retractor

BARIATRIC SYSTEM #SL82001 *(Continued)*

REF	IMAGE	PART #	ITEM DESCRIPTION	QTY	APPLICATION
		60020	T-Handle	2	May be used on Quick Angle Handle to angle blade 45° up or down.
		SL46119C	Concave Round Neck Renal 25mm x 190mm (1" x 7 ½")	2	Renal vein or vessel retraction.
		SL46122A	Malleable 51mm x 254mm (2" x 10")	1	Soft tissue retraction.
		SO46124A	Malleable 76mm x 254mm (3" x 10")	1	
		SO46124B	Malleable 102mm x 254mm (4" x 10")	1	
		SO46130	Kelly 76mm x 89mm (3" x 3 ½")	2	Abdominal or incisional wall retraction.
		SO46136A	Fence 102mm x 203mm (4" x 8")	1	Lateral retraction of abdominal wall on large procedures.
		SO46141	Balfour 83mm x 73mm (3 ¼" x 3")	2	Costal margin or abdominal wall retraction.
		SO46141D	Balfour 83mm x 123mm (3 ¼" x 5")	2	
		SO46141F	Balfour 83mm x 175mm (3 ¼" x 6 ⅞")	1	
		SO46153	Richardson 51mm x 178mm (2" x 7")	1	Abdominal wall retraction.
		SL46161	Harrington 114mm x 254mm (4 ½" x 10")	1	Organ or soft tissue retraction.
		SO46170C	Non-Slip Balfour R 77mm x 94mm (3" x 3 ¾")	1	Costal margin retraction. Aligns with anatomy, reducing slippage.
		SO46171C	Non-Slip Balfour L 77mm x 94mm (3" x 3 ¾")	1	
		SL46191	Malleable Finger 152mm (6")	1	Gentle organ retraction.
		SL46146	Splanchnich 51mm x 152mm (2" x 6")	1	Soft tissue retraction.
		50000G	Instrument Case (23"x 11" x 3 ½")	1	Holds instruments.

Mastectomy – C-Frame
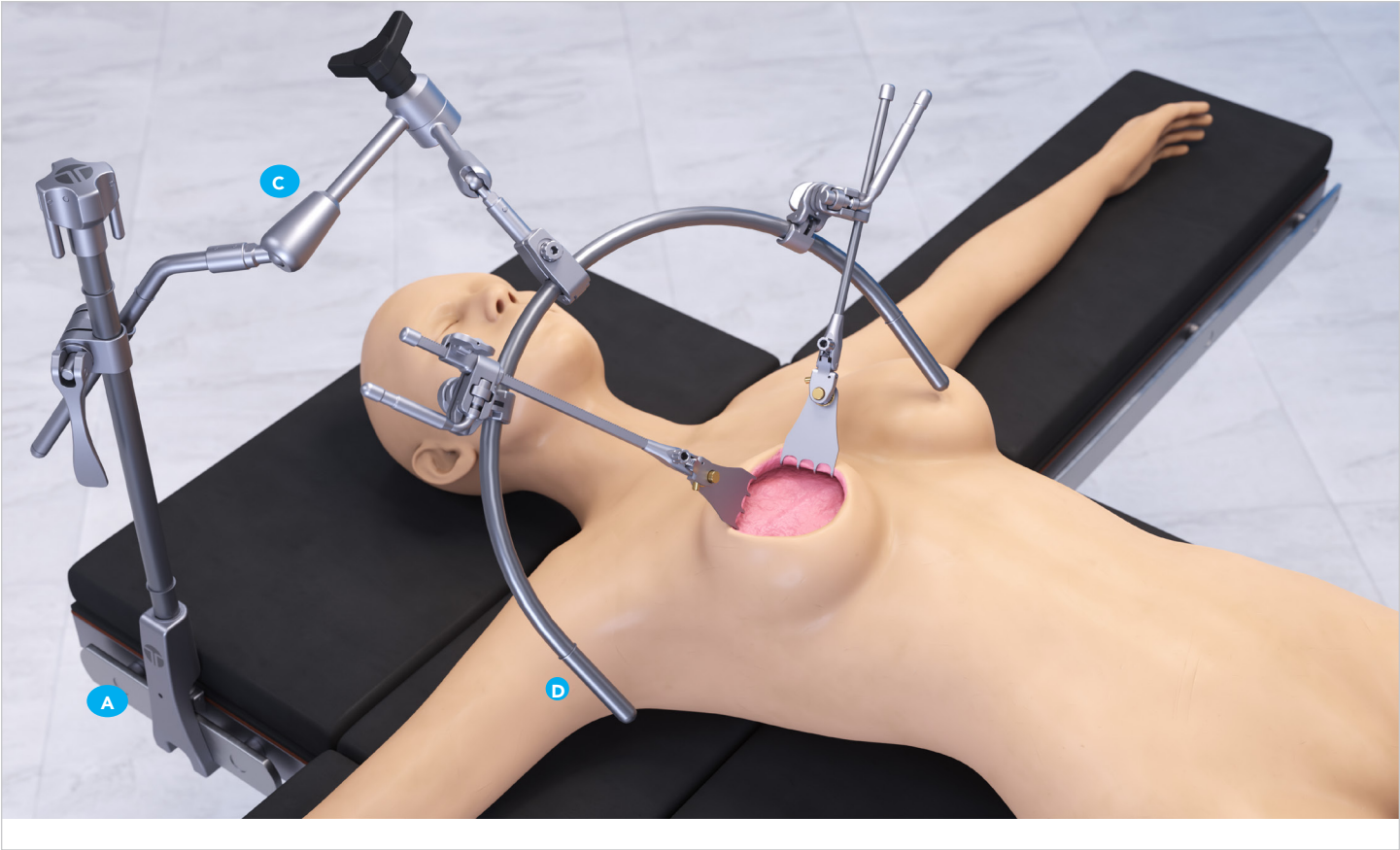
Mastectomy – Articulating Arm

Articulating Arm (Alternate)

BREAST SYSTEM   #SL82041

REF	IMAGE	PART #	ITEM DESCRIPTION	QTY	APPLICATION
			Tray 1		
A		43903AC	Elite III Rail Clamp w/2 Cam Joints 18"	1	Attaches to the rail of the OR table and holds the articulating arm in position.
B		SL42191	S-Lock Articulating Arm Small 15 ½"	2	Attaches to the rail clamp or crossbar and holds blades in place around incision.
		SL46126	Richardson 25mm x 32mm (1" x 1 ¼")	2	Muscle retraction for exposure with small or mini-incision.
		SL46422ET	Radio Richardson 50mm x 60mm (2" x 2 3/8")	2	Breast incision or abdominal wall retraction.
		SL46426ET	Radio Richardson 50mm x 100mm (2" x 4")	2	
		SL46432ET	Radio Richardson 50mm x 160mm (2" x 6 ¼")	2	
		SL46436ET	Radio Richardson 50mm x 200mm (2" x 7 7/8")		
		SL46436ET	Radio Richardson 50mm x 240mm (2" x 9 ½")		
		SL46402	Cat's Paw 6mm x 38mm (¼" x 1 ½")	2	Skin retraction.
		SL46214	Murphy Sharp 4 Prong 25mm x 13mm (1" x ½")	1	Skin and shallow muscle retraction.
		SL46115	Malleable 13mm x 64mm (½" x 2 ½")	1	Soft tissue retraction.
		SL46116	Malleable 13mm x 152mm (½" x 6")	1	Soft tissue retraction.
		SL46119	Malleable 25mm x 127mm (1" x 5")	1	
		50000G	Instrument Case (23"x 11" x 3 ½")	1	Holds instruments for sterilization, storage, and transportation.

BREAST SYSTEM   #SL82041 (Continued)

REF	IMAGE	PART #	ITEM DESCRIPTION	QTY	APPLICATION
			Tray 2		
C		44615FH	14" Extension Arm with Fixed Hinge Joint	1	Attaches to the rail clamp and holds C-Frame in place.
D		44225	C Frame 13 ½"	1	Alternate frame set up.
		SL42126WGLP	Cam II Clip-On Quick Angle Handle 10"	1	Attaches retractor blades to frame around the incision and angles 45 degrees up or down.
		SL45011CGP	Mini Micro-Adjustable II Clip-On Quick Angle 9"	1	
		60020	T-Handle	1	May be used on Quick Angle Handle to angle blades 45 degrees up or down.
		50000G	Instrument Case (23"x 11" x 3 ½")	1	Holds instruments.
			Tray 3		
		40020X	Lite Wand	1	Illuminates incision area.
		50000T	Instrument Case (11" x 7" x 3 ½")	1	Holds light wand.

OPTIONAL ADD-ON CROSSBAR

REF	IMAGE	PART #	ITEM DESCRIPTION	QTY	APPLICATION
E		43900BC	24"Crossbar with 2 Cam III Joints (11" x 13")	1	Attaches to the rail clamp and holds the angled arms in place around the incision. May also support retractor handles.

PectusAssist®
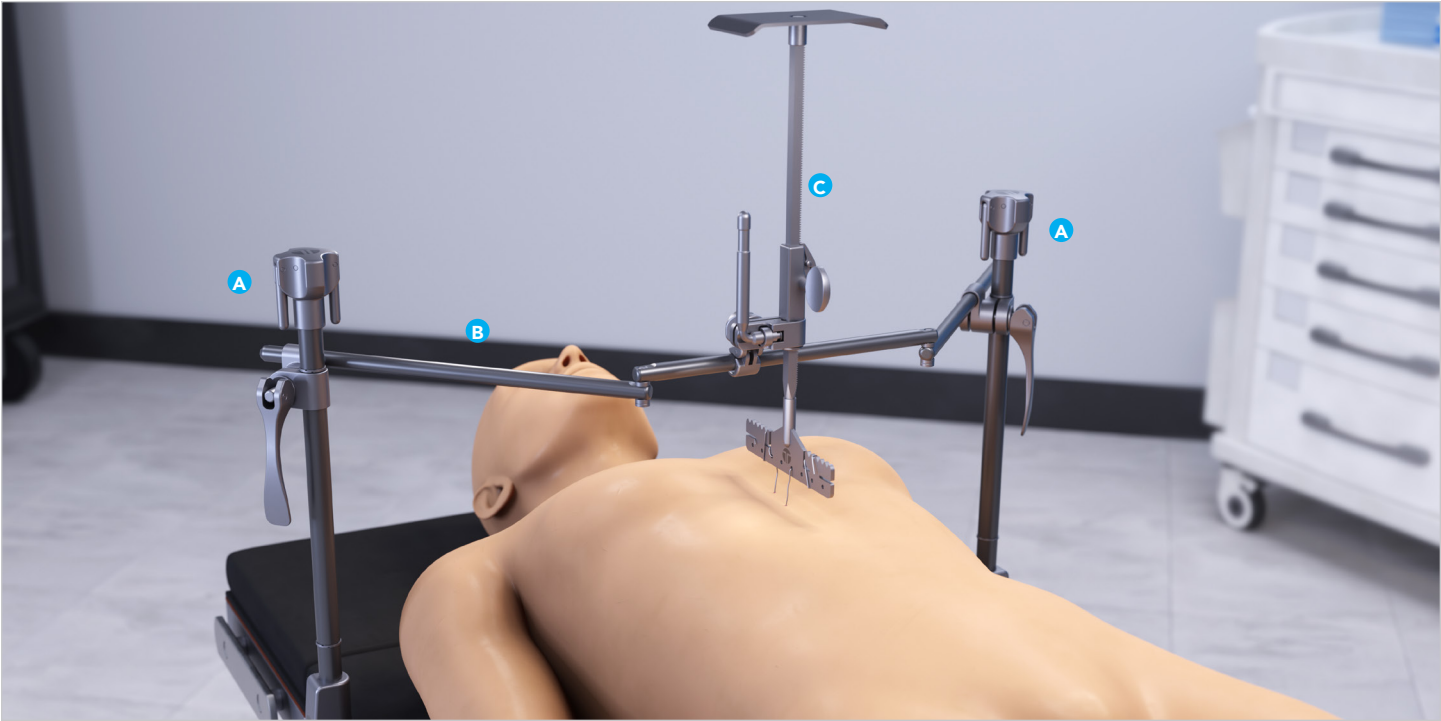
PECTUSASSIST® #82052

REF	IMAGE	PART #	ITEM DESCRIPTION	QTY	APPLICATION
			Tray 1		
A		43902ACL	Elite III Rail Clamp with 1 Joint 16"	2	Attaches to the rail of the OR table and holds the crossbar in position.
B		41900PH	Bilateral Crossbar Hinged 34" (11 ½" x 8 ½" x 11 ½")	1	Attaches to the rail clamps to provide bilateral stability, and holds the PectusAssist attachment in place.
		41900PHL	Bilateral Crossbar Hinged 41 ½" (14 ½" x 10" x 14 ½")	1	
C		47501	PectusAssist®	1	Micro-adjustable component which provides both elevation and compression to the chest wall with controlled precision.
		50000BL	Instrument Case (26" x 10" x 5")	1	Holds instruments.
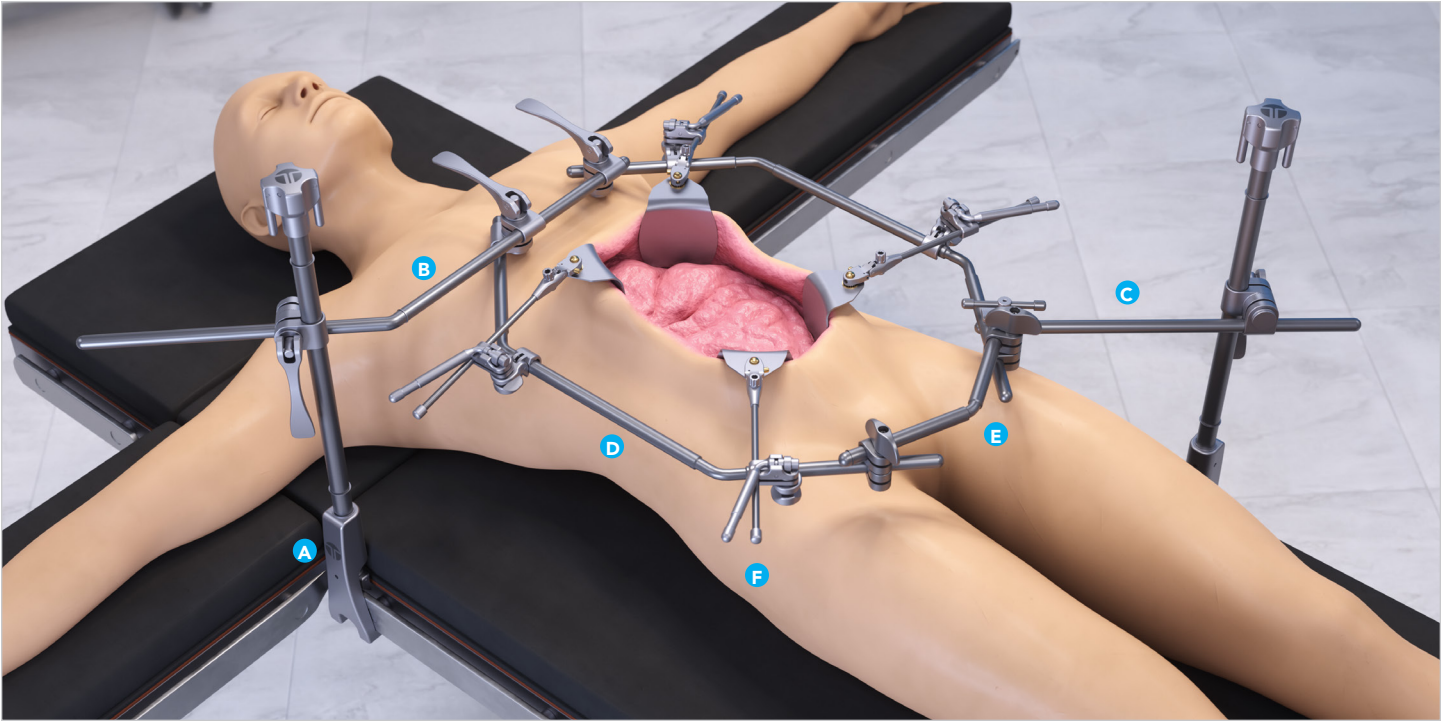
HIPEC

HIPEC SYSTEM   #SL82004

Non S-Lock system also available, may require a longer lead time.

REF	IMAGE	PART #	ITEM DESCRIPTION	QTY	APPLICATION
			Tray 1		
A		43902AC	Elite III Rail Clamp with 1 Cam Joint 18"	2	Attaches to the rail of the OR table and holds the crossbar in position.
B		43900BC	24"Crossbar with 2 Cam III Joints (11" x 13")	1	Attaches to the rail clamp and holds the angled arms or lower abdominal bar in place around the incision. May also support retractor handles.
C		44014C	14" Extension Arm with Clip Joint	1	Attaches to the rail clamp and provides bilateral stability to the lower abdominal bar components in HIPEC procedures.
D		44122DB	22" Double Angled Arm	2	Attaches to the crossbar and angled closure arm to enclose the frame and holds the retractor handles in place around the incision.
		44112SP	20" Lower Abdominal Bar (14" x 6")	1	Attaches to the rail clamps or crossbar and holds the retractor handles in place around the incision.
		50000G	Instrument Case (23" x 11" x 3 ½")	1	Holds instruments.

HIPEC SYSTEM #SL82004 *(Continued)*

REF	IMAGE	PART #	ITEM DESCRIPTION	QTY	APPLICATION
			Tray 2		
E		44113B	13" Angled Closure Arm (6 ½" x 6 ½")	1	Attaches to the double angled arms, enclosing the frame around the incision.
		44118B	18" Angled Closure Arm (9" x 9")	1	
F		SL42126WGP	Cam II Clip-on Quick Angle 8"	6	Attaches retractor blades to the frame and angles retractor blades as needed, 45° up or down.
		SL42126WGLP	Cam II Clip-on Quick Angle 10"	2	
		SL45006CGP	Micro-Adjustable II Clip-on Quick Angle 10"	2	Attaches blades to frame and angles blades as needed, 45° up or down. Provides precise micro-adjustments.
		60020	T-Handle	2	May be used on Quick Angle Handle to angle blade 45° up or down.
		SO46129	Kelly 64mm x 76mm (2 ½" x 3")	6	Abdominal or incisional wall retraction.
		SO46140C	Balfour [sm lips] 66mm x 73mm (2 ½" x 3")	2	Costal margin or abdominal wall retraction.
		SL46174	Deaver 51mm x 127mm (2" x 5")	2	Soft tissue retraction.
		SL46191	Malleable Finger 152mm (6")	1	Gentle organ retraction.
		SO46170B	Non-Slip Balfour R 77mm x 66mm (3" x 2 ½")	1	Costal margin retraction. Aligns with anatomy, reducing slippage.
		SO46171B	Non-Slip Balfour L 77mm x 66mm (3" x 2 ½")	1	
		SO46188	St Marks [with lip] 64mm x 178mm (2 ½" x 7")	1	Soft tissue retraction.
		50000G	Instrument Case (23" x 11" x 3 ½")	1	Holds instruments.

Liver / Oncology / HPB
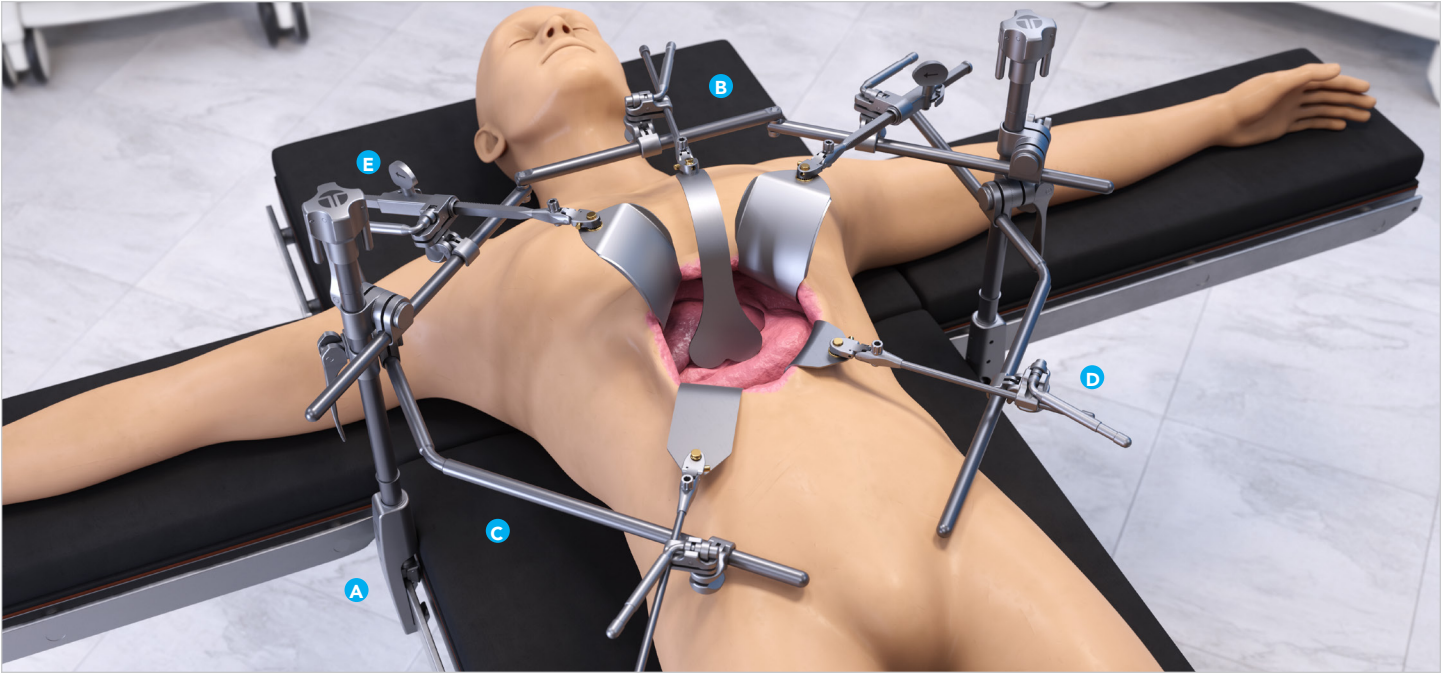
LIVER / ONCOLOGY SYSTEM #SL82007

Non S-Lock system also available, may require a longer lead time.

REF	IMAGE	PART #	ITEM DESCRIPTION	QTY	APPLICATION
			Tray 1		
A		43903AC	Elite III Rail Clamp with 2 Cam Joints 18"	2	Attaches to OR table, holds crossbar and arms.
B		41900PH	34" Bilateral Crossbar Hinged 11 ½" x 8 ½" x 11 ½"	1	Attaches to the rail clamps to provide bilateral stability, and holds the retractor handles in place around the incision.
		41900F	Bilateral Crossbar 7 ¼" x 13 ½" x 7 ¼"	1	
		44112SP	Lower Abdominal Bar 20" (14" x 6")	1	Attaches to the rail clamps or crossbar and holds the retractor handles in place around the incision.
		50000BL	Instrument Case (26" x 10" x 5")	1	Holds instruments.
			Tray 2		
C		44118N	18" Angled Arm (8" x 10") @ 45°	1	Attaches to the crossbar and holds the retractor handles in place around the incision.
		44124W	24" Angled Arm (11" x 13") @ 45°	2	
		44124N	24" Angled Arm (8" x 16") @ 45°	1	
		43112C	Cam III Joint Serrated ½" x ½"	2	Connects angled arms together to allow for expansion of frame.
D		SL42126WGP	Cam II Clip-on Quick Angle 8"	6	Attaches retractor blades to frame and angles retractor blades as needed, 45° up or down.
E		SL45006CGP	Micro-Adjustable II Clip-on Quick Angle 10"	2	Attaches blades to frame and angles blades as needed, 45° up or down. Provides precise micro-adjustments.
		SL45006CGRP	Micro-Adjustable II Clip-on Quick Angle 15"	2	

LIVER / ONCOLOGY SYSTEM   #SL82007   *(Continued)*

REF	IMAGE	PART #	ITEM DESCRIPTION	QTY	APPLICATION
		60020	T-Handle	2	May be used on Quick Angle Handle to angle blade 45° up or down.
		50000G	Instrument Case (23" x 11" x 3 ½")	1	Holds instruments.
		Tray 3			
		SL46115	Malleable 13mm x 64mm (½" x 2 ½")	2	Soft tissue retraction.
		SL46116	Malleable 13mm x 152mm (½" x 6")	2	
		SL46117	Malleable 13mm x 203mm (½" x 8")	2	
		SL46118	Malleable 25mm x 203mm (1" x 8")	1	
		SL46118P	Malleable 25mm x 104mm (1" x 4")	1	
		SL46122	Malleable 51mm x 203mm (2" x 8")	1	
		SL46124	Malleable 64mm x 254mm (2 ½" x 10")	2	
		SO46124A	Malleable 76mm x 254mm (3" x 10")	1	
		SO46124B	Malleable 102mm x 254mm (4" x 10")	1	
		SO46129	Kelly 64mm x 76mm (2 ½" x 3")	1	Abdominal or incisional wall retraction.
		SO46130	Kelly 76mm x 89mm (3" x 3 ½")	2	
		SO46140C	Balfour [sm lips] 66mm x 73mm (2 ½" x 3")	1	Costal margin or abdominal wall retraction.
		SO46141	Balfour [lips] 83mm x 73mm (3 ¼" x 3")	2	
		SO46141C	Balfour [sm lips] 78mm x 73mm (3" x 3")	2	
		SO46141D	Balfour [lips] 83mm x 123mm (3 ¼" x 5")	2	
		SL46142	Balfour [lips] 32mm x 32mm (1 ¼" x 1 ¼")	4	
		SL46153	Richardson 51mm x 178mm (2" x 7")	1	Abdominal wall retraction.
		SL46160	Harrington 64mm x 152mm (2 ½" x 6")	1	Organ or soft tissue retraction.
		SO46188	St. Marks [with lip] 64mm x 178mm (2 ½" x 7")	1	Soft tissue retraction.
		SL46191	Malleable Finger 152mm (6")	2	Gentle organ retraction.
		SO46241A	Wide Balfour 83mm x 57mm (3 ¼" x 2 ¼")	1	Costal margin or abdominal wall retraction.
		SO46241B	Wide Balfour 100mm x 61mm (4" x 2 ⅜")	1	
		SO46241C	Wide Balfour 114mm x 63mm (4 ½" x 2 ½")	1	
		SO46170C	Non-Slip Balfour R 77mm x 94mm (3" x 3 ¾")	1	Costal margin retraction. Aligns with anatomy, reducing slippage.
		SO46171C	Non-Slip Balfour L 77mm x 94mm (3" x 3 ¾")	1	
		50000G	Instrument Case (23" x 11" x 3 ½")	1	Holds instruments.

Radiolucent Liver / Oncology / HPB
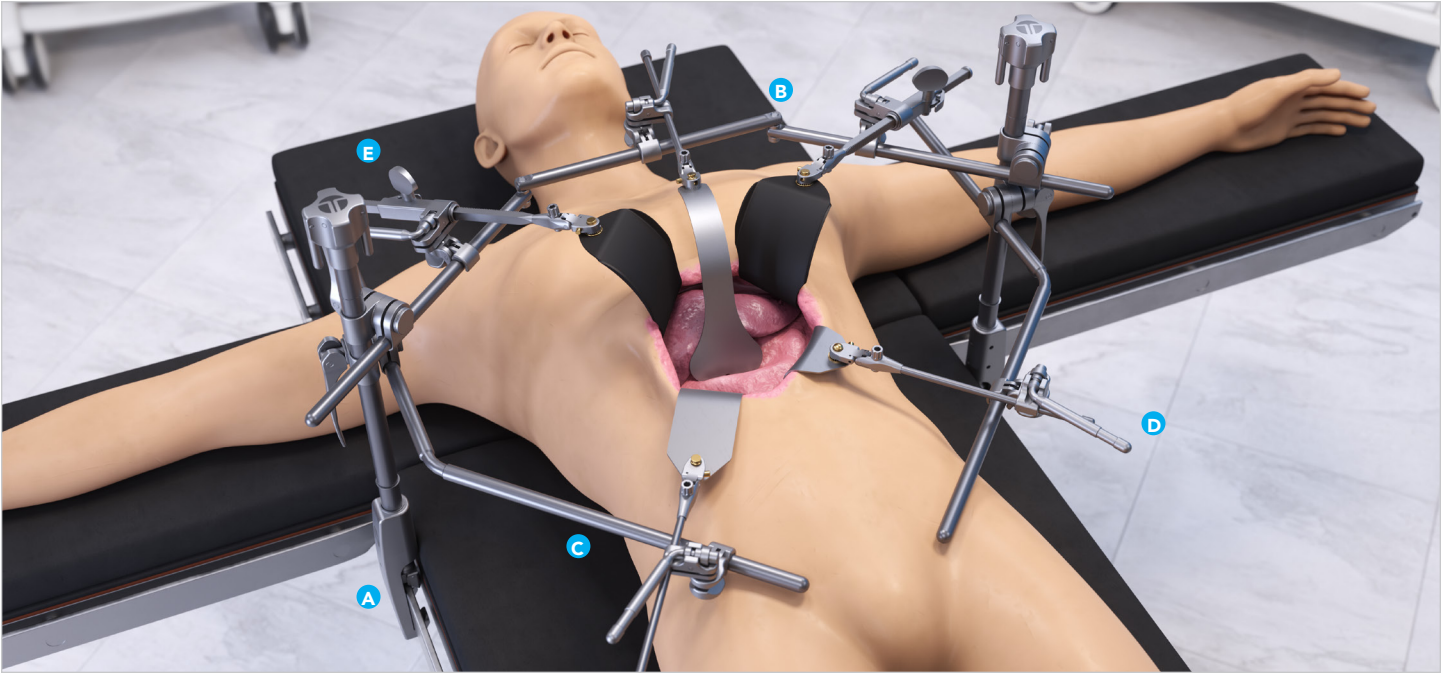
RADIOLUCENT LIVER / ONCOLOGY SYSTEM   #SL82008

REF	IMAGE	PART #	ITEM DESCRIPTION	QTY	APPLICATION
			Tray 1		
A		43903AC	Elite III Rail Clamp with 2 Cam Joints 18"	2	Attaches to OR table, holds crossbar and arms.
B		41900PH	34" Bilateral Crossbar Hinged 11 ½" x 8 ½" x 11 ½"	1	Attaches to the rail clamps to provide bilateral stability, and holds the retractor handles in place around the incision.
		41900F	Bilateral Crossbar 7 ¼" x 13 ½" x 7 ¼"	1	
		44112SP	20" Lower Abdominal Bar (14" x 6")	1	Attaches to the rail clamps or crossbar and holds the retractor handles in place around the incision.
		50000BL	Instrument Case	1	Holds instruments.
			Tray 2		
C		44118N	18" Angled Arm (8" x 10") @ 45°	1	Attaches to the crossbar and holds the retractor handles in place around the incision.
		44124W	24" Angled Arm (11" x 13") @ 45°	2	
		44124N	24" Angled Arm (8" x 16") @ 45°	1	
		43112C	Cam III Joint Serrated ½" x ½"	2	Connects angled arms together to allow for expansion of frame.
D		SL42126WGP	Cam II Clip-on Quick Angle 8"	6	Attaches retractor blades to frame and angles retractor blades as needed, 45° up or down.
E		SL45006CGP	Micro-Adjustable II Clip-on Quick Angle 10"	2	Attaches blades to frame and angles blades as needed, 45° up or down. Provides precise micro-adjustments.
		SL45006CGRP	Micro-Adjustable II Clip-on Quick Angle 15"	2	

RADIOLUCENT LIVER / ONCOLOGY SYSTEM   #SL82008   (Continued)

REF	IMAGE	PART #	ITEM DESCRIPTION	QTY	APPLICATION
		60020	T-Handle	2	May be used on Quick Angle Handle to angle blade 45° up or down.
		50000G	Instrument Case (23" x 11" x 3 ½")	1	Holds instruments.
		Tray 3			
		SL46115ET	Malleable 13mm x 64mm (½" x 2 ½")	2	
		SL46116ET	Malleable 13mm x 152mm (½" x 6")	2	
		SL46117ET	Malleable 13mm x 203mm (½" x 8")	2	
		SL46118ET	Malleable 25mm x 203mm (1" x 8")	1	
		SL46118PET	Malleable 25mm x 104mm (1" x 4")	1	Soft tissue retraction.
		SL46122ET	Malleable 51mm x 203mm (2" x 8")	1	
		SL46124ET	Malleable 64mm x 254mm (2 ½" x 10")	2	
		SO46124AET	Malleable 76mm x 254mm (3" x 10")	1	
		SO46124BET	Malleable 102mm x 254mm (4" x 10")	1	
		SO46129ET	Kelly 64mm x 76mm (2 ½" x 3")	1	Abdominal or incisional wall retraction.
		SO46130ET	Kelly 76mm x 89mm (3" x 3 ½")	2	
		SO46140CEB	Balfour [small lips] 65mm x 72mm (2 ½" x 2 ¾")	1	
		SO46141EB	Balfour [lips] 83mm x 70mm (3 ¼" x 2 ¾")	2	
		SO46141CEB	Balfour [small lips] 83mm x 70mm (3 ¼" x 2 ¾")	2	Costal margin or abdominal wall retraction.
		SO46141DEB	Balfour [lips] 83mm x 127mm (3 ¼" x 5")	2	
		SL46142EB	Balfour [lips] 32mm x 32mm (1 ¼" x 1 ¼")	4	
		SL46153ET	Richardson 51mm x 178mm (2" x 7")	1	Abdominal wall retraction.
		SL46160ET	Harrington 64mm x 152mm (2 ½" x 6")	1	Organ or soft tissue retraction.
		SO46188ET	St. Marks [with lip] 64mm x 178mm (2 ½" x 7")	1	Soft tissue retraction.
		SL46191ET	Malleable Finger 152mm (6")	2	Gentle organ retraction.
		SO46241AEB	Wide Balfour 83mm x 57mm (3 ¼" x 2 ¼")	1	
		SO46241BEB	Wide Balfour 100mm x 61mm (4" x 2 ⅜")	1	Costal margin or abdominal wall retraction.
		SO46241CEB	Wide Balfour 114mm x 63mm (4 ½" x 2 ½")	1	
		SO46170CEB	Non-Slip Balfour L 77mm x 94mm (3" x 3 ¾")	1	Costal margin retraction. Aligns with anatomy, reducing slippage.
		SO46171CEB	Non-Slip Balfour R 77mm x 94mm (3" x 3 ¾")	1	
		50000G	Instrument Case (22" x 11" x 3 ½")	1	Holds instruments.

Nephrectomy
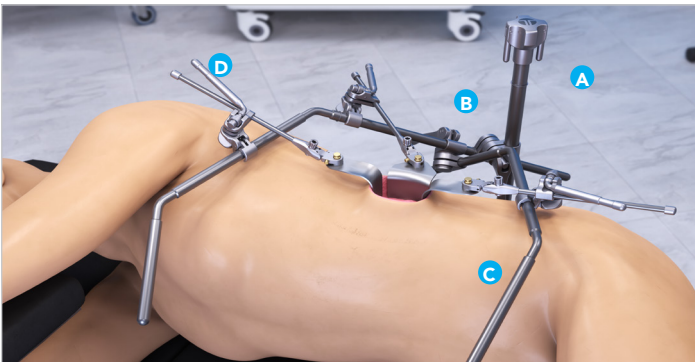
Kidney Transplant
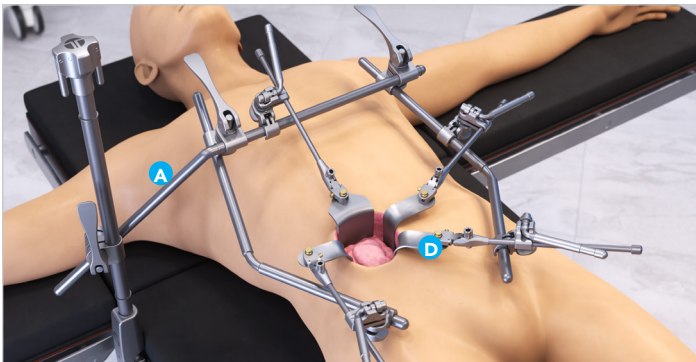
*Additional parts may be required

KIDNEY SYSTEM   #SL82005

Non S-Lock system also available, may require a longer lead time.

REF	IMAGE	PART #	ITEM DESCRIPTION	QTY	APPLICATION
			Tray 1		
A		43902AC	Elite III Rail Clamp with 1 Cam Joint 18"	1	Attaches to the rail of the OR table and holds the crossbar in position.
B		43800	Crossbar with 1 Cam Joint Mini-Incision	1	Attaches to the rail clamp, holds the extension arm in place around the incision, and supports retractor handles.
C		44200	Extension Arm 7 ½" x 8 ½" x 7 ½"	1	Attaches to the crossbar and holds the retractor handles in place around the incision.
D		SL42126WGP	Cam II Clip-on Quick Angle 8"	4	Attaches retractor blades to frame and angles retractor blades as needed, 45° up or down.
		SL45006CGP	Micro-Adjustable II Clip-on Quick Angle 10"	1	Attaches blades to frame and angles blades as needed, 45° up or down. Provides precise micro-adjustments.
		60020	T-Handle	2	May be used on Quick Angle Handle to angle blade 45° up or down.
		SL46119B	Concave Round Neck Renal 25mm x 140mm (1" x 5 ½")	1	Renal vein or vessel retraction.
		SL46119C	Concave Round Neck Renal 25mm x 190mm (1" x 7 ½")	1	
		SL46118	Malleable 25mm x 203mm (1" x 8")	2	Soft tissue retraction.
		SL46118A	Malleable 25mm x 254mm (1" x 10")	1	
		SL46118B	Malleable 38mm x 254mm (1 ½" x 10")	1	
		SL46122	Malleable 51mm x 203mm (2" x 8")	2	
		SL46123	Malleable 38mm x 203mm (1 ½" x 8")	1	
		SL46124	Malleable 64mm x 254mm (2 ½" x 10")	2	
		SO46124A	Malleable 76mm x 254mm (3" x 10")	2	

KIDNEY SYSTEM   #SL82005   (Continued)

REF	IMAGE	PART #	ITEM DESCRIPTION	QTY	APPLICATION
		SL46127	Kelly 38mm x 51mm (1 ½" x 2")	1	Abdominal or incisional wall retraction.
		SL46128	Kelly 51mm x 64mm (1 ½" x 2 ½")	1	
		SO46129	Kelly 64mm x 76mm (2 ½" x 3")	1	
		SL46140P	Balfour 76mm x 51mm (3" x 2")	2	Costal margin or abdominal wall retraction.
		SL46142P	Balfour 51mm x 54mm (2" x 2")	2	
		SL46125	Richardson 19mm x 25mm (¾" x 1")	1	Muscle retraction for exposure with small or mini-incision.
		SL46125A	Richardson 19mm x 51mm (¾" x 2")	1	
		SL46126	Richardson 25mm x 32mm (1" x "1 ¼ ")	1	
		SL46150	Richardson 51mm x 102mm (2" x 4")	1	Abdominal wall retraction.
		SO46151	Richardson 51mm x 127mm (2" x 5")	1	
		SL46154	Richardson 51mm x 76mm (2" x 3")	1	
		SL46155	Mini Open Richardson 51mm x 76mm (2" x 3")	1	Muscle retraction for exposures with small or mini-incision.
		SL46156	Mini Open Richardson 51mm x 102mm (2" x 4")	1	
		SL46157	Mini Open Richardson 51mm x 127mm (2" x 5")	1	
		SL46158	Mini Open Richardson 51mm x 152mm (2" x 6")	1	
		SL46160	Harrington 64mm x 152mm (2 ½" x 6")	1	Organ or soft tissue retraction.
		SL46162P	Harrington 38mm x 127mm (1 ½" x 5")	1	
		SL46163	Harrington 64mm x 203mm (2 ½" x 8")	1	
		SL46165	Harrington 64mm x 102mm (2 ½" x 4")	1	
		SL46220	Mini-Open Malleable 25mm x 75mm (1" x 3")	1	Soft tissue retraction for exposures with small or mini-incision.
		SL46221	Mini-Open Malleable 25mm x 100mm (1" x 4")	1	
		SL46222	Mini-Open Malleable 25mm x 125mm (1" x 5")	1	
		SL46224	Mini-Open Double Angled 51mm x 127mm (2" x 5")	1	Muscle retraction for exposures with small or mini-incision.
		SL46225	Mini-Open Double Angled 51mm x 152mm (2" x 6")	1	
		SL46226	Mini-Open Double Angled 51mm x 165mm (2" x 6 ½")	1	
		SL46227	Mini Open Deep Double Angled 51mm x 127mm (2" x 5")	1	Muscle retraction for exposures with small or mini-incision.
		SL46660	Double Angled 25mm x 76mm (1" x 3")	1	Soft tissue retraction.
		50000BL	Instrument Case (26" x 10" x 5")	1	Holds instruments.

Bilateral Urologic Oncology
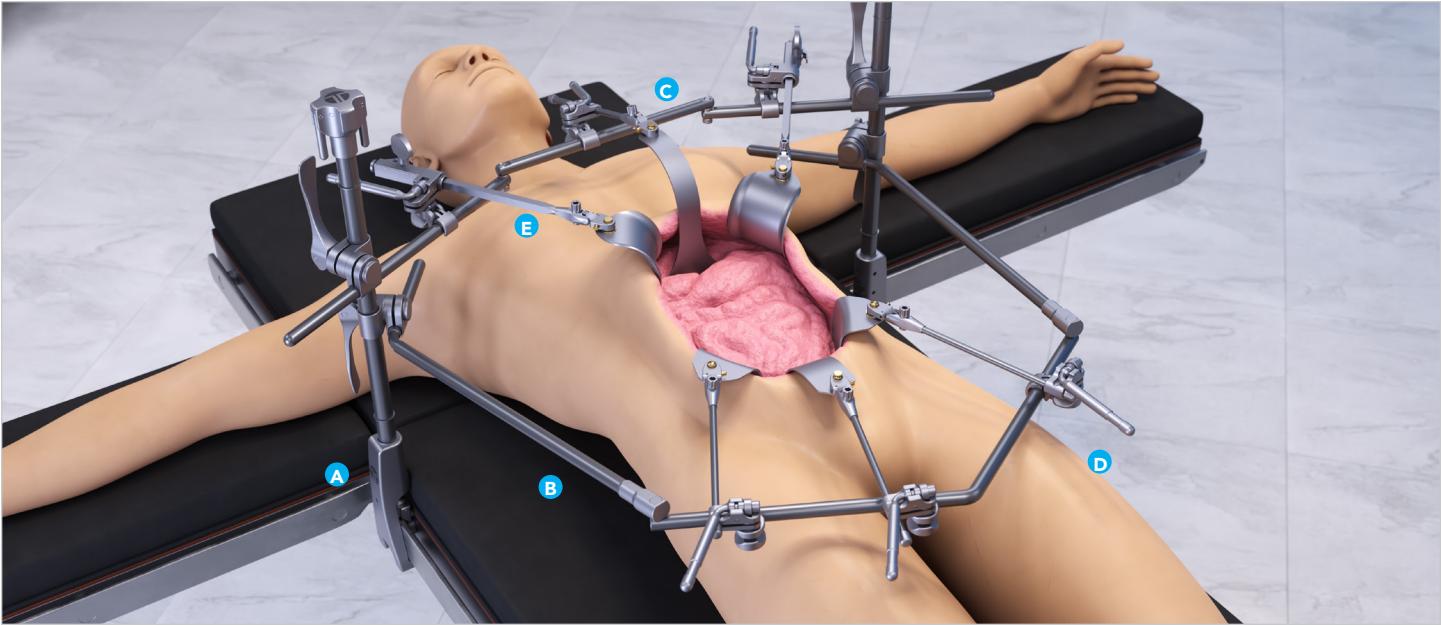
UROLOGIC ONCOLOGY SYSTEM   #SL82013

Non S-Lock system also available, may require a longer lead time.

REF	IMAGE	PART #	ITEM DESCRIPTION	QTY	APPLICATION
			Tray 1		
A		43903AC	Elite III Rail Clamp w/2 Cam Joints 18"	2	Attaches to OR table, holds crossbar, arms, bar.
		43900BC	24"Crossbar with 2 Cam Joints	1	Attaches to the rail clamp and holds the angled arms or lower abdominal bar in place around the incision. May also support retractor handles.
B		44112SP	20" Lower Abdominal Bar (14" x 6")	1	Attaches to the rail clamps or crossbar and holds the retractor handles in place around the incision.
		50000BL	Instrument Case (26" x 10" x 5")	1	Holds instruments.
			Tray 2		
C		41900PH	34" Bilateral Crossbar Hinged (11 ½" x 8 ½" x 11 ½")	1	Attaches to the rail clamps to provide bilateral stability, and holds the retractor handles in place around the incision.
		43112C	Cam III Joint Serrated ½" x ½"	2	Connects angled arms together to allow for expansion of frame.
		44118N	18" Angled Arm (8" x 10") @ 45°	2	Attaches to the crossbar and holds the retractor handles in place around the incision.
		44124N	24" Angled Arm (8" x 16") @ 45°	2	
D		SL42126WGP	Cam II Clip-on Quick Angle 8"	6	Attaches retractor blades to frame and angles retractor blades as needed, 45° up or down.
E		SL45006CGP	Micro-Adjustable II Clip-on Quick Angle 10"	2	Attaches blades to frame and angles blades as needed, 45° up or down. Provides precise micro-adjustments.
		60020	T-Handle	2	Use on QA Handle to angle blade 45° up/down.
		50000G	Instrument Case (23" x 11" x 3 ½")	1	Holds instruments.

UROLOGIC ONCOLOGY SYSTEM   #SL82013   *(Continued)*

REF	IMAGE	PART #	ITEM DESCRIPTION	QTY	APPLICATION
			Tray 3		
		SL45753AM	Harris Prostate Retractor 8mm (⅜")	1	Prostate retraction.
_____		SL46116	Malleable 13mm x 152mm (½" x 6")	2	
_____		SL46117	Malleable 13mm x 203mm (½" x 8")	2	
_____		SL46118	Malleable 25mm x 203mm (1" x 8")	2	
_____		SL46122	Malleable 51mm x 203mm (2" x 8")	1	Soft tissue retraction.
_____		SL46123	Malleable 38mm x 203mm (1 ½" x 8")	1	
_____		SL46124	Malleable 64mm x 254mm (2 ½" x 10")	2	
_____		SO46124B	Malleable 102mm x 254mm (4" x 10")	2	
		SL46122V	Malleable Slotted 51mm x 203mm (2" x 8")	2	Soft tissue retraction.
		SL46119C	Concave Round Neck Renal 25mm x 190mm (1" x 7 ½")	2	Renal vein or vessel retraction.
		SO46130	Kelly 76mm x 89mm (3" x 3 ½")	2	Abdominal or incisional wall retraction.
		SO46136	Fence 102mm x 152mm (4" x 6")	1	Lateral retraction of abdominal wall on large procedures.
		SL46139	"Y" Bladder 81mm x 216mm (3 ⅛" x 8 ½")	1	Bladder retraction.
_____		SO46140C	Balfour [sm lips] 66mm x 73mm (2 ½" x 3")	2	
_____		SO46141C	Balfour [sm lips] 78mm x 73mm (3" x 3")	2	Costal margin or abdominal wall retraction.
_____		SO46141	Balfour [with lips] 83mm x 73mm (3 ¼" x 3")	2	
		SL46142P	Balfour [with lips] 51mm x 54mm (2" x 2")	2	
		SO46153	Richardson 51mm x 178mm (2" x 7")	2	Abdominal wall retraction.
		SL46160	Harrington 64mm x 152mm (2 ½" x 6")	1	Organ or soft tissue retraction.
		SL46174	Deaver 51mm x 127mm (2" x 5")	2	Soft tissue retraction.
		SO46188	St. Marks [with lip] 64mm x 178mm (2 ½" x 7")	1	Soft tissue retraction.
		SL46191	Malleable Finger 152mm (6")	2	Gentle organ retraction.
		SL46215	Murphy Blunt 25mm x 13mm (1" x ½")	1	Skin and shallow muscle retraction.
		SO46241B	Wide Balfour 100mm x 61mm (4" x 2 ⅜")	1	Costal margin or abdominal wall retraction.
_____		SL46660	Double Angled 25mm x 76mm (1" x 3")	2	Soft tissue retraction.
		SL46662	Double Angled 13mm x 76mm (½" x 3")	2	
		SL46664	Double Angled Bulb 25mm x 64mm (1" x 2 ½")	1	Bladder retraction.
		50000G	Instrument Case (23" x 11" x 3 ½")	1	Holds instruments.

Perineal Prostatectomy
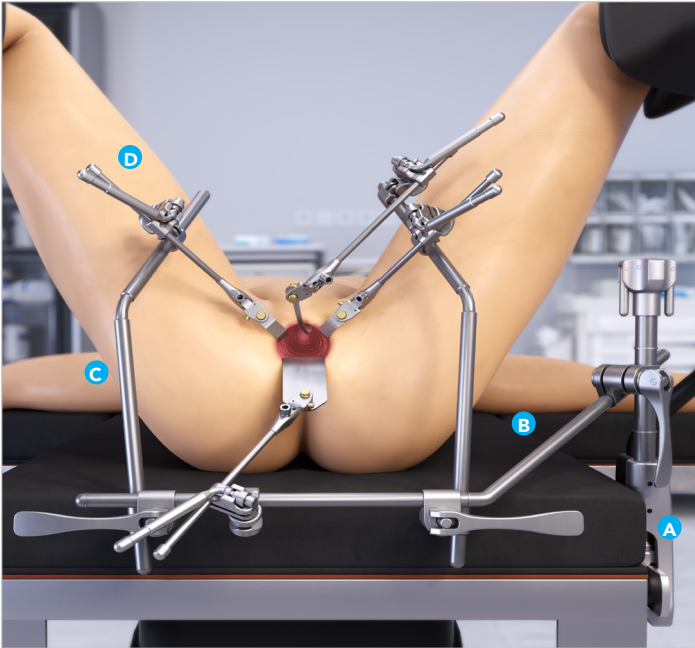
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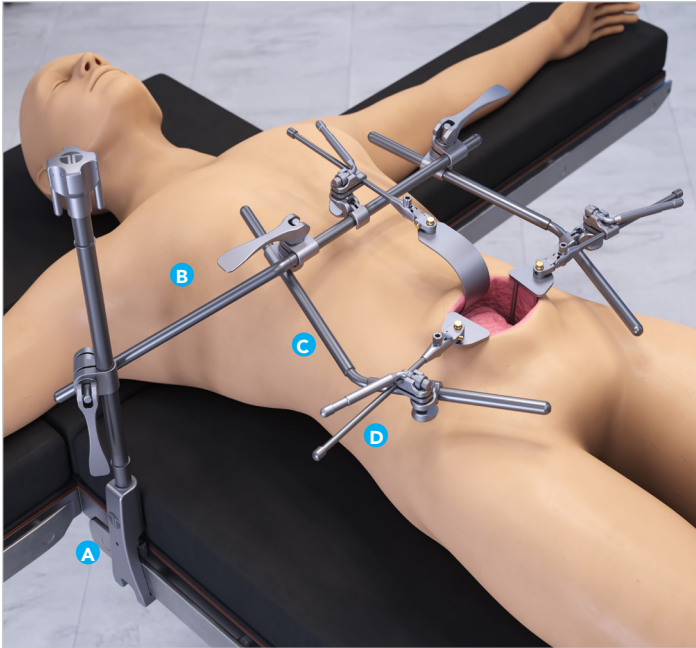
UROLOGY SYSTEM #SL82012

Non S-Lock system also available, may require a longer lead time.

REF	IMAGE	PART #	ITEM DESCRIPTION	QTY	APPLICATION
			Tray 1		
A		43902AC	Elite III Rail Clamp with 1 Cam Joint 18"	1	Attaches to the rail of the OR table and holds the crossbar in position.
B		43900BC	24" Crossbar with 2 Cam III Joints	1	Attaches to the rail clamp and holds the angled arms in place around the incision. May also support retractor handles.
C		44118N	18" Angled Arm (8" x 10") @ 45°	2	Attaches to the crossbar and holds the retractor handles in place around the incision.
		44124N	24" Angled Arm (8" x 16") @ 45°	2	
D		SL42126WGP	Cam II Clip-on Quick Angle 8"	3	Attaches retractor blades to the crossbar or angled arm and angles retractor blades as needed, 45° up or down.
		SL45006CGP	Micro-Adjustable II Clip-On Quick Angle 10"	2	Attaches blades to frame and angles blades as needed, 45° up or down. Provides precise micro-adjustments.
		60020	T-Handle	2	Use on QA Handle to angle blade 45° up/down.
		50000G	Instrument Case (23" x 11" x 3 ½")	1	Holds instruments.
			Tray 2		
		SL46116	Malleable 13mm x 152mm (½" x 6")	1	Soft tissue retraction.
		SL46122	Malleable 51mm x 203mm (2" x 8")	1	
		SL46123	Malleable 38mm x 203mm (1 ½" x 8")	1	
		SL46124	Malleable 64mm x 254mm (2 ½" x 10")	1	

UROLOGY SYSTEM   #SL82012   (Continued)

REF	IMAGE	PART #	ITEM DESCRIPTION	QTY	APPLICATION
		SO46129	Kelly 64mm x 76mm (2 ½" x 3")	2	Abdominal or incisional wall retraction.
		SO46136	Fence 102mm x 152mm (4" x 6")	1	Lateral retraction of abdominal wall on large procedures.
		SL46137	Holtgrewe 60mm x 152mm (2 ⅜" x 6")	1	Malleable bladder retractor, designed to protect bladder during resection of prostate gland.
		SL46140P	Balfour [with lips] 76mm x 51mm (3" x 2")	2	Costal margin or abdominal wall retraction.
		SL46142P	Balfour [with lips] 51mm x 54mm (2" x 2")	2	
		SL46143	Fenestrated 44mm x 89mm (1 ¾" x 3 ½")	2	Abdominal or incisional wall retraction.
		SO46151	Richardson 51mm x 127mm (2" x 5")	1	Abdominal wall retraction.
		SL46160	Harrington 64mm x 152mm (2 ½" x 6")	1	Organ or soft tissue retraction.
		SL46163	Harrington 64mm x 203mm (2 ½" x 8")	1	
		SL46174	Deaver 51mm x 127mm (2" x 5")	1	Soft tissue retraction.
		SL45753AM	Prostate Retractor 8mm (⅜")	1	Prostate retraction.
		SL46660	Double Angled 25mm x 76mm (1" x 3")	2	Soft tissue retraction.
		SL46661	Double Angled 25mm x 64mm (1" x 2 ½")	2	
		SL46662	Double Angled 13mm x 76mm (½" x 3")	2	
		SL46663	Double Angled 13mm x 70mm (½" x 2 ¾")	2	
		SL46215	Murphy Blunt 25mm x 13mm (1" x ½")	1	Skin and shallow muscle retraction.
		50000G	Instrument Case (22" x 11" x 3 ½")	1	Holds instruments.

Bilateral GYN Oncology

GYN ONCOLOGY SYSTEM   #SL82011

Non S-Lock system also available, may require a longer lead time.

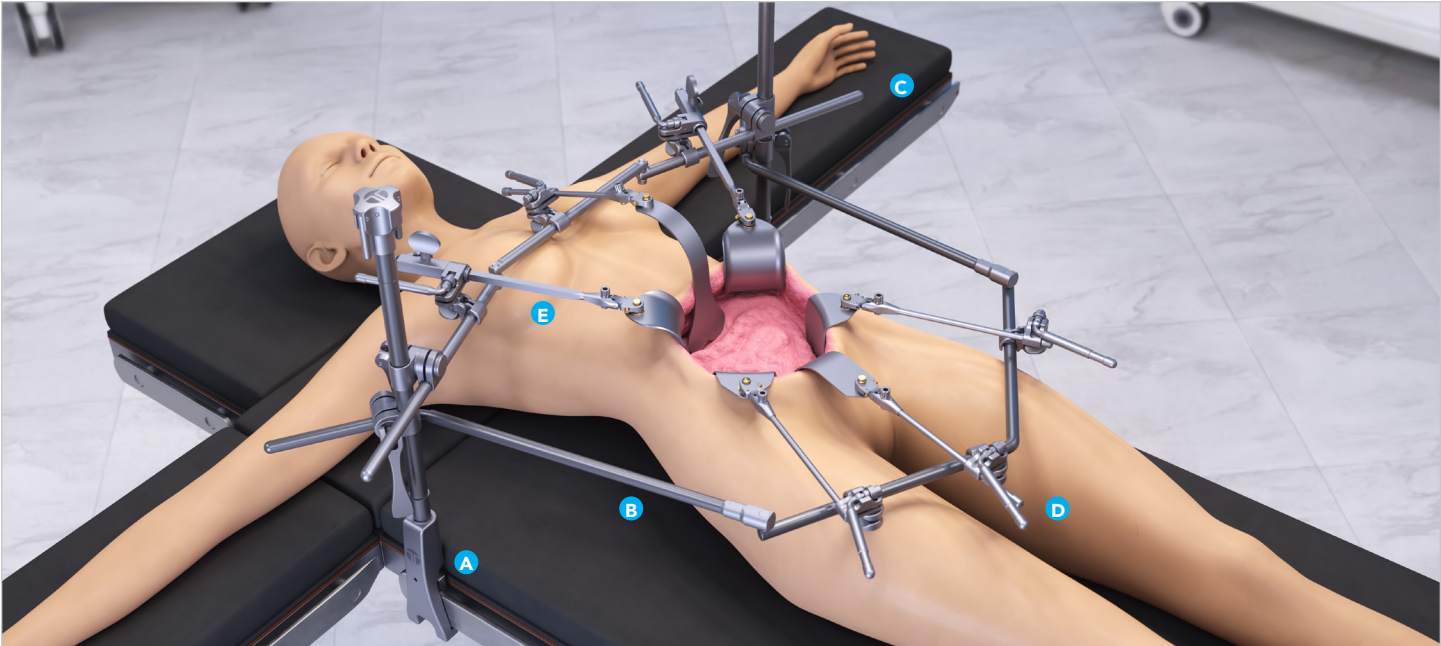| REF	IMAGE	PART #	ITEM DESCRIPTION	QTY	APPLICATION
			Tray 1		
A		43903AC	Elite III Rail Clamp with 2 Cam Joints 18"	2	Attaches to OR table, holds crossbar, arms, bar.
		41900F	Bilateral Crossbar 7 ¼" x 13 ½" x 7 ¼"	1	Attaches to the rail clamps to provide bilateral stability, and holds the retractor handles in place around the incision.
B		44112SP	Lower Abdominal Bar 14" x 6"	1	Attaches to the rail clamps or crossbar and holds the retractor handles in place around the incision.
		43900BC	24" Crossbar with 2 Cam Joints	1	Attaches to the rail clamp and holds the angled arms or lower abdominal bar in place around the incision. May also support retractor handles.
		50000BL	Instrument Case (26" x 10" x 5")	1	Holds instruments.
			Tray 2		
C		41900PH	34" Bilateral Crossbar Hinged (11 ½" x 8 ½" x 11 ½")	1	Attaches to the rail clamps to provide bilateral stability, and holds the retractor handles in place around the incision.
		43112C	Cam III Serrated Slide-On Joint	1	Connects angled arms together to allow for expansion of frame.
		44118N	18" Angled Arm (8" x 10") @ 45°	2	Attaches to the crossbar and holds the retractor handles in place around the incision.
		44124W	24" Angled Arm (11" x 13") @ 45°	2	
D		SL42126WGP	Cam II Clip-on Quick Angle 8"	6	Attaches retractor blades to frame and angles retractor blades as needed, 45° up or down.
E		SL45006CGP	Micro-Adjustable II Clip-on Quick Angle 10"	2	Attaches blades to frame and angles blades as needed, 45° up or down. Provides precise micro-adjustments.
		SL45006CGRP	Micro-Adjustable II Clip-on Quick Angle 15"	2	
		60020	T-Handle	2	Use on QA Handle to angle blade 45° up/down.
		50000G	Instrument Case (23" x 11" x 3 ½")	1	Holds instruments.

REF	IMAGE	PART #	ITEM DESCRIPTION	QTY	APPLICATION
			Tray 3		
		SL46127	Kelly 38mm x 51mm (1 ½" x 2")	1	
		SL46128	Kelly 51mm x 64mm (2" x 2 ½")	1	Abdominal or incisional wall retraction.
		SO46129	Kelly 64mm x 76mm (2 ½" x 3")	1	
		SO46130	Kelly 76mm x 89mm (3 ½" x 3")	2	
		SL46115	Malleable 13mm x 64mm (½" x 2 ½")	1	
		SL46116	Malleable 13mm x 152mm (½" x 6")	1	
		SL46117	Malleable 13mm x 203mm (½" x 8")	2	
		SL46118	Malleable 25mm x 203mm (1" x 8")	1	
		SL46118A	Malleable 25mm x 254mm (1" x 10")	1	Soft tissue retraction.
		SL46118P	Soft Malleable 25mm x 102mm (1" x 4")	1	
		SL46122	Malleable 51mm x 203mm (2" x 8")	1	
		SL46124	Malleable 64mm x 254mm (2 ½" x 10")	2	
		SO46124A	Malleable 76mm x 254mm (3" x 10")	1	
		SO46124B	Malleable 102mm x 254mm (4" x 10")	1	
		SO46135	Fence 102mm x 127mm (4" x 5")	1	Lateral retraction of abdominal wall on large procedures.
		SO46140C	Balfour [sm lips] 66mm x 73mm (2 ½" x 3")	1	
		SO46141C	Balfour [sm lips] 78mm x 73mm (3" x 3")	2	Costal margin or abdominal wall retraction.
		SO46141D	Balfour [with lips] 83mm x 123mm (3 ¼" x 5")	2	
		SL46142	Balfour [with lips] 32mm x 32mm (1 ¼" x 1 ¼ ")	2	
		SL46143	Fenestrated 44mm x 89mm (1 ¾" x 3 ½")	2	Abdominal or incisional wall retraction.
		SL46150	Richardson 51mm x 102mm (2" x 4")	1	
		SO46151	Richardson 51mm x 127mm (2" x 5")	1	Abdominal wall retraction.
		SO46153	Richardson 57mm x 178mm (2" x 7")	1	
		SL46160	Harrington 64mm x 152mm (2 ½" x 6")	1	Organ or soft tissue retraction.
		SO46170B	Non-Slip Balfour R 77mm x 66mm (3" x 2 ½")	1	Costal margin retraction. Aligns with anatomy, reducing slippage.
		SO46171B	Non-Slip Balfour L 77mm x 66mm (3" x 2 ½")	1	
		SL46174	Deaver 51mm x 127mm (2" x 5")	1	Soft tissue retraction.
		SL46180	Heany 25mm x 102mm (1" x 4")	1	Abdominal or incisional wall retraction.
		SO46188	St. Mark's 64mm x 178mm (2 ½" x 7")	1	Soft tissue retraction.
		SL46191	Malleable Finger 152mm (6")	2	Gentle organ retraction.
		SO46241A	Wide Balfour 83mm x 57mm (3 ¼" x 2 ¼")	1	
		SO46241B	Wide Balfour 100mm x 61mm (4" x 2 ⅜")	1	Costal margin or abdominal wall retraction.
		SO46241C	Wide Balfour 114mm x 63mm (4 ½" x 2 ½")	2	
		SL46660	Double Angled 25mm x 76mm (1" x 3")	2	Soft tissue retraction.
		SL46663	Double Angled 13mm x 70mm (½" x 2 ¾")	2	
		50000G	Instrument Case (23" x 11" x 3 ½")	1	Holds instruments.

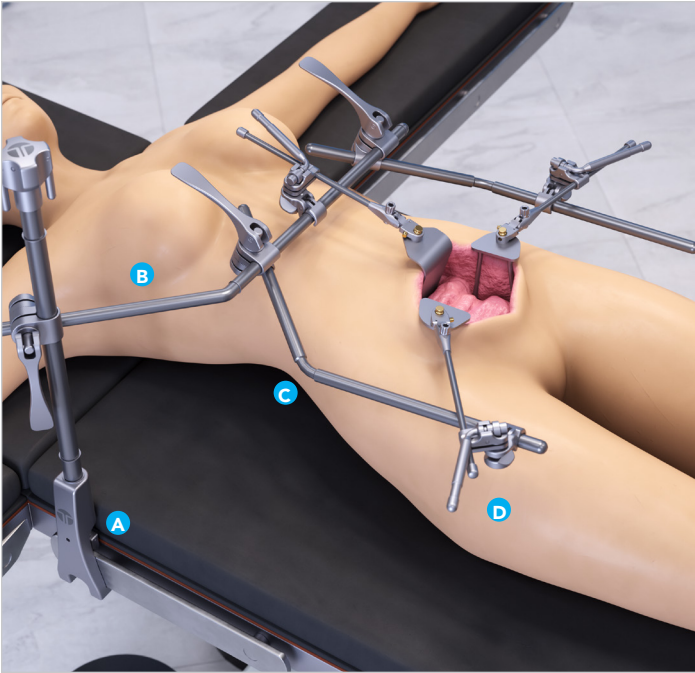# Abdominal Hysterectomy

Vaginal Hysterectomy
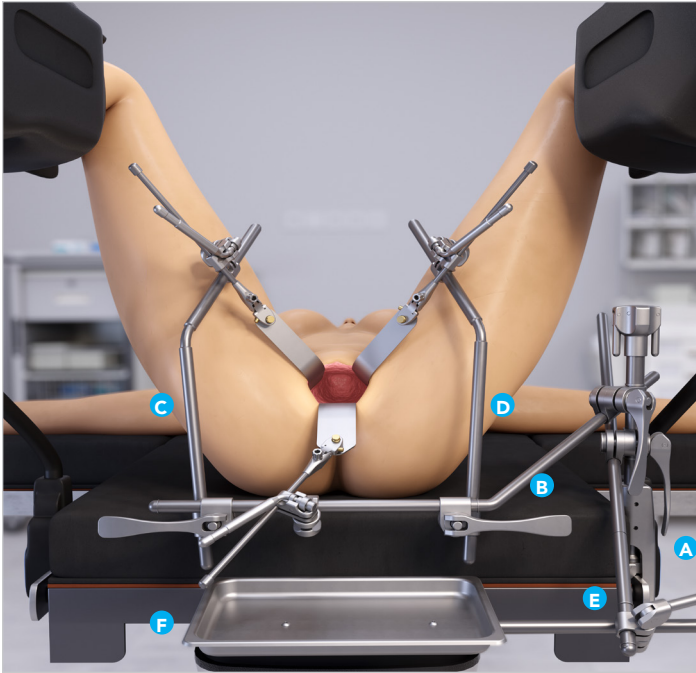
GYN SYSTEM   #SL82010

Non S-Lock system also available, may require a longer lead time.

REF	IMAGE	PART #	ITEM DESCRIPTION	QTY	APPLICATION
Tray 1					
A		43903AC	Elite III Rail Clamp with 2 Cam Joints 18"	1	Attaches to the rail of the OR table and holds the crossbar in position.
B		43900BC	24" Crossbar with 2 Cam III Joints	1	Attaches to the rail clamp and holds the angled arms in place around the incision. May also support retractor handles.
C		44124W	24" Angled Arm (11" x 13") @ 45°	2	Attaches to the crossbar and holds the retractor handles in place around the incision.
D		44118N	18" Angled Arm (8" x 10") @ 45°	2	
E		44118C	Straight Arm 18" with 1 Cam Joint	1	Attaches to the rail clamp and holds hysterectomy tray in place.
		50000G	Instrument Case (23" x 11" x 3 ½")	1	Holds instruments.
Tray 2					
F		41933	Hysterectomy Tray	1	Attaches to the straight arm and holds surgical instruments.
G		SL42126WGP	Cam II Clip-on Quick Angle 8"	3	Attaches retractor blades to frame and angles retractor blades as needed, 45° up or down.
H		SL45006CGP	Micro-Adjustable II Clip-on Quick Angle 10"	2	Attaches blades to frame and angles blades as needed, 45° up or down. Provides precise micro-adjustments.

GYN SYSTEM   #SL82010 *(Continued)*

REF	IMAGE	PART #	ITEM DESCRIPTION	QTY	APPLICATION
		60020	T-Handle	2	May be used on Quick Angle Handle to angle blade 45° up or down.
J		SL46174	Deaver 51mm x 127mm (2" x 5")	1	Soft tissue retraction.
K		SL46180	Heany 25mm x 102mm (1" x 4")	1	Abdominal or incisional wall retraction.
L		SL46160	Harrington 64mm x 152mm (2 ½" x 6")	1	Organ or soft tissue retraction.
M		SL46663	Double Angled 13mm x 70mm (½" x 2 ¾")	2	Soft tissue retraction.
N		SL46660	Double Angled 25mm x 76mm (1" x 3")	2	
O		SL46118A	Malleable 25mm x 254mm (1" x 10")	2	Soft tissue retraction.
P		SL46118P	Malleable 25mm x 102mm (1" x 4")	2	
Q		SL46118	Malleable 25mm x 203mm (1" x 8")	2	
R		SL46122	Malleable 51mm x 203mm (2" x 8")	2	
S		SO46135	Fence 102mm x 127mm (4" x 5")	1	Lateral retraction of abdominal wall on large procedures.
T		SL46150	Richardson 51mm x 102mm (2" x 4")	1	Abdominal wall retraction.
U		SL46143	Fenestrated 44mm x 89mm (1 ¾" x 3 ½")	2	Abdominal or incisional wall retraction.
		50000G	Instrument Case (23" x 11" x 3 ½")	1	Holds instruments.
V		5844	Rail Extender 15" with 1 Power Rail Clamp	1	Attaches to OR table rail to increase rail length or width and provide more attachment options for the rail clamps.

Pediatric Abdominal
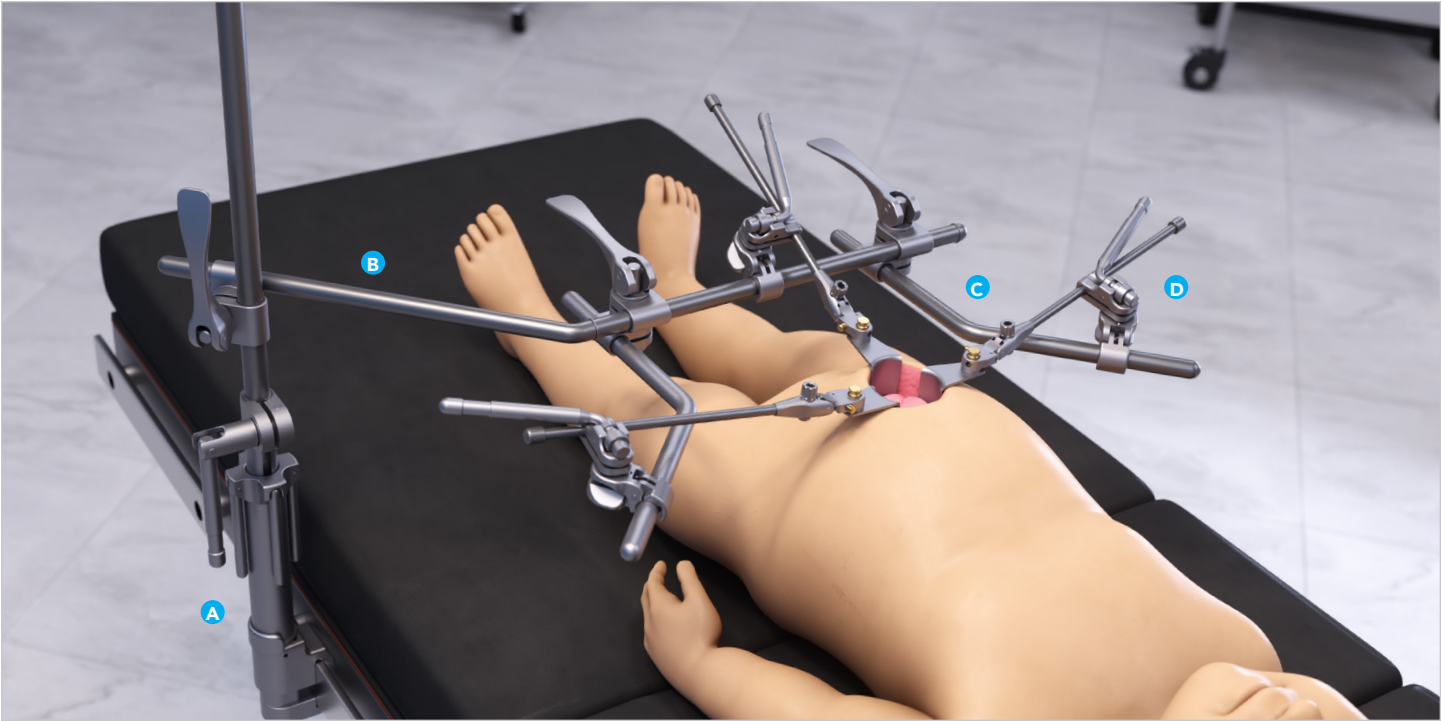
PEDIATRIC SYSTEM   #SL82006

Non S-Lock system also available, may require a longer lead time.

REF	IMAGE	PART #	ITEM DESCRIPTION	QTY	APPLICATION
			Tray 1		
A		43902IRC	Infinite Height Rail Clamp with 1 Cam III Joint	1	Attaches to the rail of the OR table and holds the crossbar in position.
B		43900BC	24" Crossbar with 2 Cam III Joints	1	Attaches to the rail clamp and holds the angled arms in place around the incision. May also support retractor handles.
C		44120	20" Angled Arm (10" x 10")	2	Attaches to the crossbar and holds the retractor handles in place around the incision.
		44014S	12" Angled Arm (6" x 6")	2	
D		SL42126WGP	Cam II Clip-on Quick Angle 8" *	5	Attaches retractor blades to frame and angles retractor blades as needed, 45° up or down.
		SL45011CGP	Mini Micro-Adjustable Clip-on Quick Angle 9"	1	Attaches blades to frame and angles blades as needed, 45° up or down. Provides precise micro-adjustments.
		60020	T-Handle	2	May be used on Quick Angle Handle to angle blade 45° up or down.
		50000G	Instrument Case - 23" x 11" x 3 ½"	1	Holds instruments.

PEDIATRIC SYSTEM   #SL82006   (Continued)

REF	IMAGE	PART #	ITEM DESCRIPTION	QTY	APPLICATION
			Tray 2		
		SL46115	Malleable 13mm x 64mm (½" x 2 ½")	2	
		SL46116	Malleable 13mm x 152mm (½" x 6")	2	
		SL46117	Malleable 13mm x 203mm (½" x 8")	2	Soft tissue retraction.
		SL46118P	Soft Malleable 25mm x 102mm (1" x 4")	2	
		SL46122P	Malleable 51mm x 102mm (2" x 4")	2	
		SL46191SP	Malleable Finger 76mm (3")	1	Gentle organ retraction.
		SL46191P	Malleable Finger 102mm (4")	1	
		SL46125	Richardson 19mm x 25mm (¾" x 1")	1	Muscle retraction for exposure with small or mini-incision.
		SL46125A	Richardson 19mm x 50mm (¾" x 2")	1	
		SL46126	Richardson 25mm x 32mm (1" x 1 ¼")	1	
		SL46127	Kelly 38mm x 51mm (1 ½" x 2")	1	Abdominal or incisional wall retraction.
		SL46128	Kelly 51mm x 64mm (2" x 2 ½")	1	
		SL46140P	Balfour 76mm x 51mm (3" x 2")	1	Costal margin or abdominal wall retraction.
		SL46142	Balfour 32mm x 32mm (1 ¼" x 1 ¼")	2	
		SL46142P	Balfour 51mm x 54mm (2" x 2")	1	
		SL46150	Richardson 51mm x 102mm (2" x 4")	1	Abdominal wall retraction.
		SL46162P	Harrington 38mm x 127mm (1 ½" x 5")	1	Organ or soft tissue retraction.
		SL46170	Deaver 25mm x 127mm (1" x 5")	1	Soft tissue retraction.
		50000G	Instrument Case (23" x 11" x 3 ½")	1	Holds instruments for sterilization, storage, and transportation.

* For infants: Screw Down Handle 8" (SL42126NGP) recommended.

Elite Rigid Holder + Flexible Holder
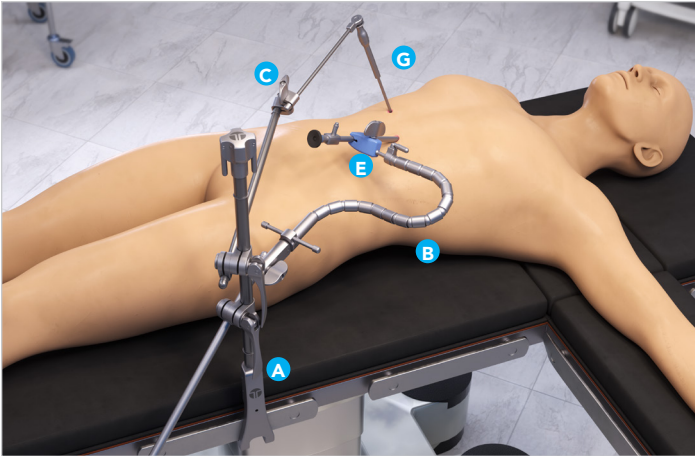
Elite Articulating Arm + Flexible Holder
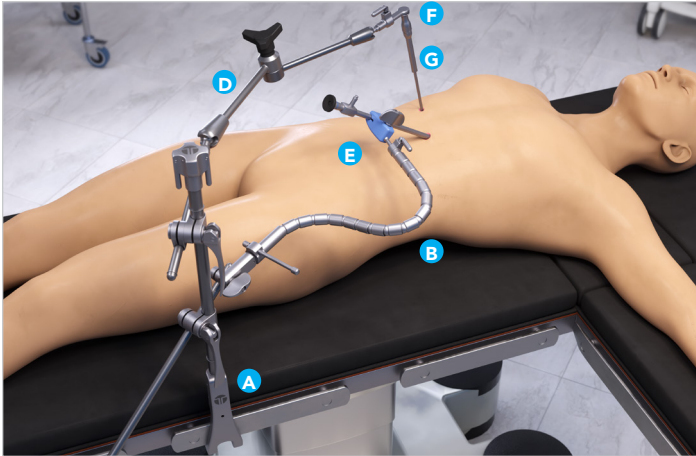
LAPAROSCOPIC PRODUCTS FOR ELITE RAIL CLAMP

REF	IMAGE	PART #	ITEM DESCRIPTION	APPLICATION
A		43903AC	Elite III Rail Clamp with 2 Cam Joints 18"	Attaches to the rail of the OR table and holds the laparoscopic holding arm(s) in position.
B		42133DEN	Flexible Laparoscopic Holder for Elite	Unlimited range of motion and positioning with adjustable tension from flexible to rigid.
C		42139EU	Universal Laparoscopic Holder for Elite	Precise, rigid positioning for instruments requiring few adjustments or holding excess weight. Additional rigid holder options available.
		42139E	Rigid Laparoscopic Holder for Elite	
D		42138LE	Laparoscopic Articulating Arm for Elite	Holds firmly with a wide range of motion.
E		33181	Adjustable Scope Grip 5-6mm / 10-11mm	Holds scope firmly while protecting shaft. Fits scopes 5-6 or 10-11mm.
F		SL42161	S-Lock Nathanson Adapter (required for S-Lock Nathanson Hook use)	Allows quick, easy attachment of S-Lock Nathanson Hooks to laparoscopic holder universal end.
G		SL42201	S-Lock Nathanson Hook Medium 5mm (203mm x 167mm x 16mm)	Organ retraction.

Additional attachments available, not shown.

PRC Rigid Holder + Flexible Holder
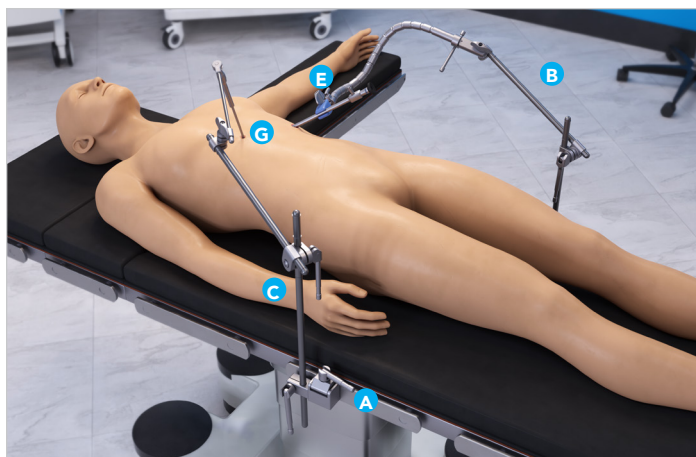
PRC Articulating Arm + Flexible Holder

LAPAROSCOPIC PRODUCTS FOR POWER RAIL CLAMP

REF	IMAGE	PART #	ITEM DESCRIPTION	APPLICATION
A		41950	Power Rail Clamp (PRC)	Attaches to the rail of the OR table and holds the laparoscopic holding arm(s) in position.
B		42133DN	Flexible Laparoscopic Holder for PRC	Unlimited range of motion and positioning with adjustable tension from flexible to rigid.
C		42139U	Universal Laparoscopic Holder for PRC	Precise, rigid positioning for instruments requiring few adjustments or holding excess weight. Additional rigid holder options available.
		42139N	Rigid Laparoscopic Holder for PRC	
D		42138L	Laparoscopic Articulating Arm for PRC	Holds firmly with a wide range of motion.
E		33181	Adjustable Scope Grip 5-6 / 10-11mm	Holds scope firmly while protecting shaft. Fits scopes 5-6 or 10-11mm.
F		SL42161	S-Lock Nathanson Adapter (required for S-Lock Nathanson Hook use)	Allows quick, easy attachment of S-Lock Nathanson Hooks to laparoscopic holder universal end.
G		SL42201	S-Lock Nathanson Hook Medium 5mm (203mm x 167mm x 16mm)	Organ retraction.

Additional attachments available, not shown.

Anterior Lumbar
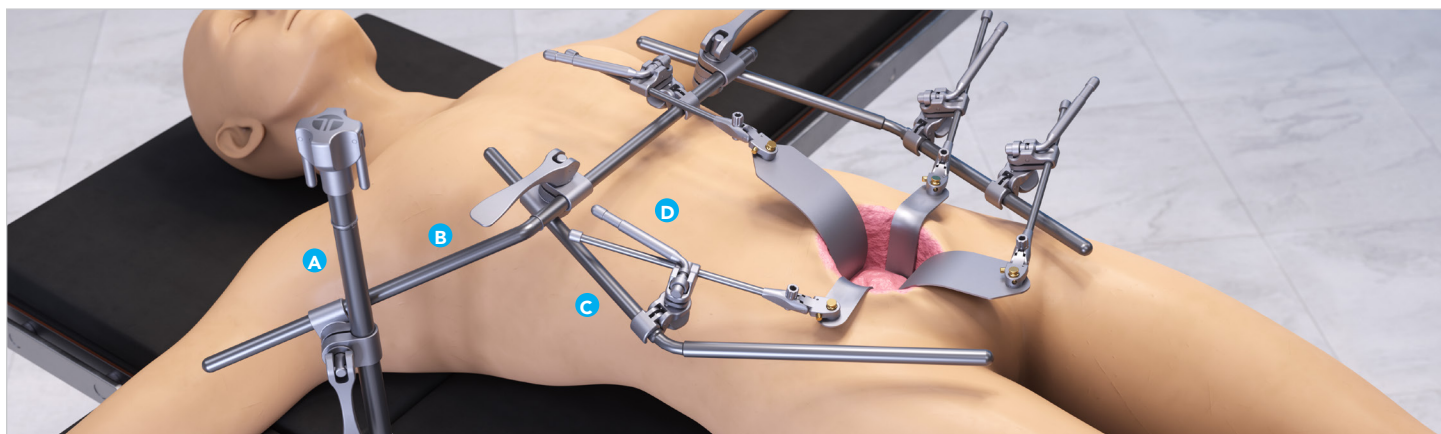
ANTERIOR LUMBAR SYSTEM   #SL82019

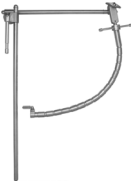| REF	IMAGE	PART #	ITEM DESCRIPTION	QTY	APPLICATION
			Tray 1		
A		43902ACL	Elite III Rail Clamp with 1 Cam Joint 16"	1	Attaches to OR table and holds crossbar.
B		43900BC	24" Crossbar with 2 Cam III Joints	1	Attaches to the rail clamp and holds the angled arms in place around the incision. May also support retractor handles.
C		44120	20" Angled Arm (10" x 10") @ 45°	2	Attaches to the crossbar and holds the retractor handles in place around the incision.
		44124N	24" Angled Arm (8" x 16") @ 45°	2	
D		SL42126WGP	Cam II Clip-on Quick Angle 8"	5	Attaches retractor blades to frame and angles retractor blades as needed, 45° up or down.
		SL45006CGP	Micro-Adjustable II Clip-on Quick Angle 10"	1	Attaches blades to frame and angles blades as needed, 45° up or down. Provides precise micro-adjustments.
		SL42126WDP	Cam II Clip-on Dual Angle 8"	2	Attaches blades to frame and angles blades with tactile positioning and precise angling adjustments.
		SL42128G	Quick Angle Hand Held Adapter	1	Attach to a Thompson retractor blade to use as a hand held retractor.
		60021	Hex Tool ³⁄₁₆" with T-Handle	2	May be used on Quick Angle and Dual Angle Handles to angle blade up or down.
		50000G	Instrument Case 23" x 11" x 3 ½"	1	Holds instruments.
			Tray 2		
		SL46192ET	Radio. Reverse Lip Malleable 25mm x 200mm	2	Vessel or soft tissue retraction.
		SL46193ET	Radio. Reverse Lip Malleable 32mm x 200mm	2	
		SL46260RET	Radiolucent Reverse Lip 25mm x 100mm	2	Reverse Lip engages at the lateral aspect of the disc and vertebral body to expose the anterior lumbar spine.
		SL46261RET	Radiolucent Reverse Lip 25mm x 110mm	2	
		SL46262RET	Radiolucent Reverse Lip 25mm x 120mm	2	
		SL46263RET	Radiolucent Reverse Lip 25mm x 130mm	2	
		SL46265RET	Radiolucent Reverse Lip 25mm x 150mm	2	
		SL46267RET	Radiolucent Reverse Lip 25mm x 170mm	2	
		SL46269RET	Radiolucent Reverse Lip 25mm x 190mm	2	
		SL46271RET	Radiolucent Reverse Lip 25mm x 210mm	2	
		SL46273RET	Radiolucent Reverse Lip 25mm x 230mm	2	
		SL46275RET	Radiolucent Reverse Lip 25mm x 250mm	2	
		SL46280RET	Radiolucent Reverse Lip 32mm x 100mm	2	
		SL46282RET	Radiolucent Reverse Lip 32mm x 120mm	2	
		SL46284RET	Radiolucent Reverse Lip 32mm x 140mm	2	
		SL46286RET	Radiolucent Reverse Lip 32mm x 160mm	2	
		SL46288RET	Radiolucent Reverse Lip 32mm x 180mm	2	

ANTERIOR LUMBAR SYSTEM   #SL82019 *(Continued)*

REF	IMAGE	PART #	ITEM DESCRIPTION	QTY	APPLICATION
_____		SL46290RET	Radiolucent Reverse Lip 32mm x 200mm	2	Reverse Lip engages at the lateral aspect of the disc and vertebral body to expose the anterior lumbar spine.
_____		SL46292RET	Radiolucent Reverse Lip 32mm x 220mm	2	
_____		SL46293RET	Radiolucent Reverse Lip 32mm x 230mm	2	
_____		SL46294RET	Radiolucent Reverse Lip 32mm x 240mm	2	
_____		SL46295RET	Radiolucent Reverse Lip 32mm x 250mm	2	
_____		SL46260TET	Radio. Reverse Lip Tapered 25mm x 100mm	2	Tapered design is ideal for working around osteophytes.
		SL46265TET	Radio. Reverse Lip Tapered 25mm x 150mm	2	
		SL46270TET	Radio. Reverse Lip Tapered 25mm x 200mm	2	
		SL46119BET	Radiolucent Malleable Concave Round Neck Renal 25mm x 140mm	2	Renal vein or vessel retraction.
		SL46119CET	Radiolucent Malleable Concave Round Neck Renal 25mm x 190mm	2	
_____	(see image below)	SL46564	Radio. Conc. Short Neck Renal 25mm x 140mm	4	Rigid, low profile vessel retraction.
_____		SL46569	Radio. Conc. Short Neck Renal 25mm x 190mm	4	
_____		SL46575	Radio. Conc. Short Neck Renal 25mm x 250mm	4	
		51234	Suction for Anterior Lumbar Surgery	1	Suction for disc space, as needed.
		51236	Anterior Lumbar Depth Gauge 335mm	1	Measures depth of incision for blade selection.
		50000ERL	Instrument Case - Exp. Reverse Lip ASA	1	Organizes and holds instruments.
Tray 3					
_____		SL46558	Radio. Concave Short Neck Renal 25mm x 80mm	4	Rigid, low profile vessel retraction.
_____		SL46560	Radio. Conc. Short Neck Renal 25mm x 100mm	4	
_____		SL46562	Radio. Conc. Short Neck Renal 25mm x 120mm	4	
_____		SL46564	Radio. Conc. Short Neck Renal 25mm x 140mm	4	
_____		SL46566	Radio. Conc. Short Neck Renal 25mm x 160mm	4	
_____		SL46568	Radio. Conc. Short Neck Renal 25mm x 180mm	4	
_____		SL46570	Radio. Conc. Short Neck Renal 25mm x 200mm	4	
		50000L	Instrument Tray - Lid	1	Tray Lid
		50000RV	Instrument Tray - Renal Vein Blades	1	Drops into Tray Base and organizes blades
		50000U1	Instrument Tray - Base	1	Tray Base
Tray 4					
_____	(see image above)	SL46119BET	Radio. Malleable Conc. Round Neck Renal 25mm x 140mm	2	Renal vein or vessel retraction.
_____		SL46119CET	Radio. Malleable Conc. Round Neck Renal 25mm x 190mm	2	
		SL46119RET	Radiolucent Long Neck Renal 25mm x 140mm	2	Renal vein or vessel retraction.
		SL46120RET	Radiolucent Long Neck Renal 25mm x 190mm	2	
		SL46121RET	Radiolucent Long Neck Renal 25mm x 255mm	2	
		SL46122ET	Radio. Malleable 51mm x 203mm (2" x 8")	2	Soft tissue retraction.
_____		SL46140ET	Radio. Balfour 65mm x 72mm (2 ½" x 2 ¾")	2	Abdominal wall retraction.
		SL46141ET	Radio. Balfour 83mm x 70mm (3 ¼" x 2 ¾")	1	
		SL46145ET	Radio. Splanchnich 51mm x 115mm (2" x 4 ½")	1	Soft tissue retraction.
		SL46160ET	Radio. Harrington 64mm x 152mm (2 ½" x 6")	1	Organ or soft tissue retraction.
		SL46176ET	Radiolucent Deaver 76mm x 127mm (3" x 5")	1	Soft tissue retraction.
	(see image above)	51234	Suction for Anterior Lumbar Surgery	1	Suction for disc space, as needed.
		50000ALTI	Case - Anterior Lumbar Insert	1	Organizes and holds instruments.
		50000G	Instrument Case (23" x 11" x 3 ½")	1	Holds instruments for sterilization, storage, and transportation.

Anterior Lumbar Ring
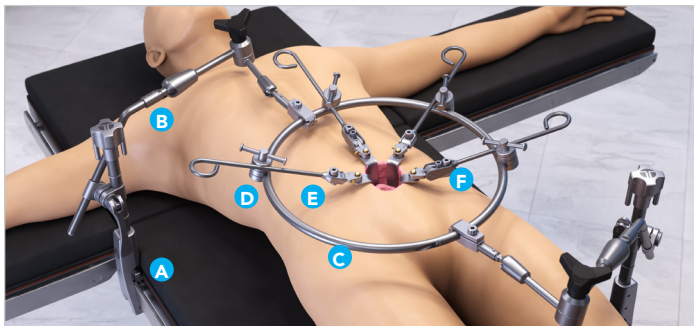
Advanced MIS Anterior Lumbar Ring
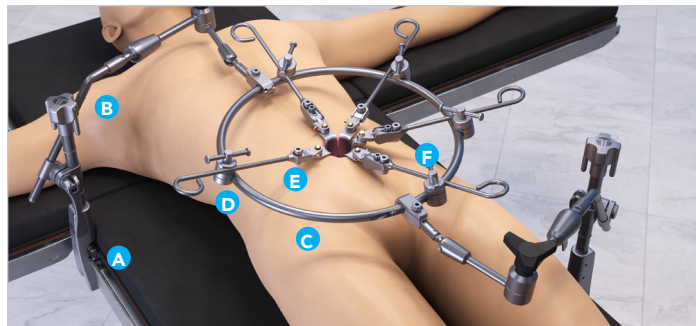
ANTERIOR LUMBAR RING SYSTEM   #SL82023

REF	IMAGE	PART #	ITEM DESCRIPTION	QTY	APPLICATION
			Tray 1		
A		43902ACS	Elite III Rail Clamp w/1 Cam Joint 11"	2	Attaches to the rail of the OR table and holds the extension arm in position.
B		44615FH	14" Extension Arm with Fixed Hinge Joint	2	Attaches to the rail clamp and holds the ring in place around the incision.
		44223	Ring Extension 4"	2	Two may be used with ring frame halves to create an oval ring.
		44229	Ring Extension Hinged 4"	2	Two may be used with ring frame halves to create a hinging ring that allows for multi-planar retraction and versatile positioning.
C		44224	Ring Frame Half 13 ½"	2	Two are joined together to form a ring. Ring attaches to the Extension Arms and allows for joints to be placed anywhere around the incision.
D		42100	Circle Joint ½" x ¼"	5	Used to quickly attach Free and Dual Angle Handles to ring frame
E		SL42102	Free Angle Handle	2	Used with circle joint and hex tool, attaches blades to frame and angles blades with tactile positioning.
F		SL42101	Dual Angle Handle	3	Used with circle joint and hex tool, attaches blades to frame and angles blades with tactile positioning and precise angling adjustments.
		SL42126WGLP	Cam II Clip-on Quick Angle 10"	2	Attaches retractor blades to frame and angles retractor blades as needed, 45° up or down.
		SL45011CGP	Mini Micro-Adjustable II Clip-on Quick Angle 9"	1	Attaches blades to frame and angles blades as needed, 45° up or down. Provides precise micro-adjustments. Lower profile.
		60021	Hex Tool ³⁄₁₆" with T-Handle	1	Used to tighten or loosen fixed hinge joint, secure ring halves, manipulate Free Angle, and angle Quick Angle mechanism.
		60020	T-Handle	2	May be used on Quick Angle Handle to angle blade 45° up or down.
		SL46432ET	Radio. Richardson 50mm x 160mm (2" x 6 ¼")	1	Abdominal wall retraction for procedures requiring a larger incision.
		SL46434ET	Radio. Richardson 50mm x 180mm (2" x 7")	1	
		SL46436ET	Radio. Richardson 50mm x 200mm (2" x 7 ⅞")	1	
		50000G	Instrument Case (23" x 11" x 3 ½")	2	Holds instruments.

QUESTIONS OR ADDITIONAL INFORMATION: **1.800.227.7543**

ANTERIOR LUMBAR RING SYSTEM   #SL82023   *(Continued)*

REF	IMAGE	PART #	ITEM DESCRIPTION	QTY	APPLICATION
		Tray 2			
		SL46558	Radiolucent Concave Short Neck Renal 25mm x 80mm (1"x 3 ⅛")	4	
		SL46560	Radiolucent Concave Short Neck Renal 25mm x 100mm (1" x 4")	4	
		SL46562	Radiolucent Concave Short Neck Renal 25mm x 120mm (1" x 4 ¾")	4	
		SL46564	Radiolucent Concave Short Neck Renal 25mm x 140mm (1" x 5 ½")	4	Renal vein or vessel retraction.
		SL46566	Radiolucent Concave Short Neck Renal 25mm x 160mm (1" x 6 ¼")	4	
		SL46568	Radiolucent Concave Short Neck Renal 25mm x 180mm (1" x 7")	4	
		SL46570	Radiolucent Concave Short Neck Renal 25mm x 200mm (1" x 7 ⅞")	4	
		50000L	Instrument Tray - Lid	1	Tray Lid
		50000RV	Instrument Tray - Renal Vein Blades	1	Drops into Tray Base. Organizes blades.
		50000U1	Instrument Tray - Base	1	Tray Base

AL ADVANCED MIS BLADE KIT (OPTIONAL)   #SL82026

REF	IMAGE	PART #	ITEM DESCRIPTION	QTY	APPLICATION
		Tray 1			
		SL44432	Radio. Concave 30mm x 60mm (1 ⅛" x 2 ⅜")	1	
		SL44328	Radio. Concave 18mm x 80mm (¾" x 3 ⅛")	4	
		SL44330	Radio. Concave 18mm x 100mm (¾" x 4")	4	
		SL44332	Radio. Concave 18mm x 120mm (¾" x 4 ¾")	4	
		SL44568	Radiolucent Concave Short Neck Renal 25mm x 180mm (1" x 7")	4	Renal vein or vessel retraction.
		SL44570	Radiolucent Concave Short Neck Renal 25mm x 200mm (1" x 7 ⅞")	4	
		SL44418	Radio. Reverse Tapered 20mm x 140mm (¾" x 5 ½")	4	
		SL44422	Radio. Reverse Tapered 20mm x 160mm (¾" x 6 ¼")	4	
		50000RV	Instrument Tray - Renal Vein Blades	1	Drops into Tray Base. Organizes blades.
		50000L	Instrument Tray - Lid	1	Holds instrument tray.
		50000U1	Instrument Tray - Base One Level	1	
		Tray 2			
		SL44368	Radiolucent Fine Vessel 80mm (3 ⅛")	2	
		SL44370	Radiolucent Fine Vessel 100mm (4")	2	Renal vein or vessel retraction.
		SL44372	Radiolucent Fine Vessel 120mm (4 ¾")	2	
		SL44374	Radiolucent Fine Vessel 140mm (5 ½")	2	NOT intended for use as a stand alone blade. NOT indicated for vessel mobilization.
		SL44376	Radiolucent Fine Vessel 160mm (6 ¼")	2	
		SL44378	Radiolucent Fine Vessel 180mm (7")	2	
		SL44380	Radiolucent Fine Vessel 200mm (7 ⅞")	2	
		50000FV	Instrument Tray - Fine Vessel Blades	1	Drops into Tray Base. Organizes blades.
		50000L	Instrument Case - Lid	1	Holds instrument tray.
		50000U1	Instrument Case - Base One Level	1	
		Tray 3			
		40020X	Lite Wand	1	Attaches to frame or blade and provides cool, bright light deep in the incision.
		40024	Lite Clip - Single Use (Radiopaque)	5	Used to attach Lite Wand to anterior lumbar retractor blades.
		50000T	Instrument Case (11" x 7" x 3 1/2")	1	Holds instruments.

Anterior Lumbar Articulating Arm System
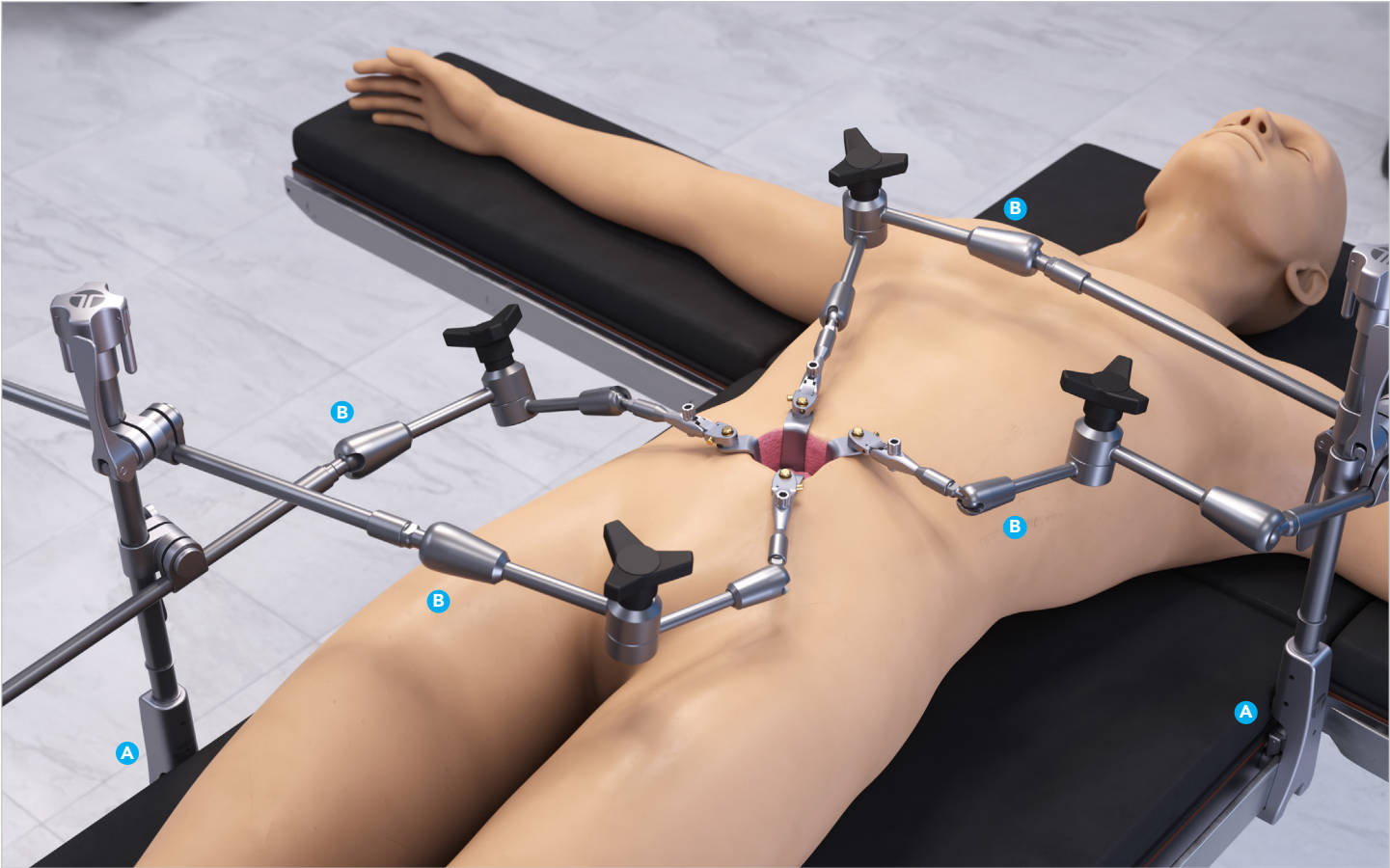
ANTERIOR LUMBAR ARTICULATING ARM SYSTEM   #SL82048

REF	IMAGE	PART #	ITEM DESCRIPTION	QTY	APPLICATION
			Tray 1		
A		43903AC	Elite III Rail Clamp with 2 Cam Joints 16"	2	Attaches to the rail of the OR table and holds the Articulating Arms in place.
B		SL42191G	Quick Angle Articulating Arm 12" x 21"	2	Inserts into Rail Clamp and holds retractor blades in place.
		60020	T-Handle	1	May be used on Articulating Arm to angle retractor blades 45 degrees up or down.
		42228	Manipulator Handle	1	May be used with the Articulating Arm to make controlled adjustments after blade has been placed.
		50000G	Instrument Case (23" x 11" x 3 1/2")	1	Holds instruments for sterilization, storage, and transportation.

ANTERIOR LUMBAR ARTICULATING ARM SYSTEM   #SL82048 (Continued)

REF	IMAGE	PART #	ITEM DESCRIPTION	QTY	APPLICATION
		Tray 2			
		43902ACL	Elite III Rail Clamp with 1 Cam Joint 16"	1	Attaches to the rail of the OR table and holds the Articulating Arms in place.
		SL42191G	Quick Angle Articulating Arm 12" x 21"	2	Inserts into Rail Clamp and holds retractor blades in place.
		60020	T-Handle	1	May be used on Articulating Arm to angle retractor blades 45 degrees up or down.
		42228	Manipulator Handle	1	May be used on Articulating Arm to angle retractor blades 45 degrees up or down.
		SL46432ET	Radio Richardson 50mm x 160mm (2" x 6 ¼")	1	Abdominal wall retraction for procedures requiring a larger incision.
		SL46434ET	Radio Richardson 50mm x 180mm (2" x 7")	1	
		SL46436ET	Radio Richardson 50mm x 200mm (2" x 7 7/8")	1	
		50000G	Instrument Case (23" x 11" x 3 ½")	1	Holds instruments.
		Tray 3			
		SL46558	Radio Concave Short Neck Renal 25mm x 80mm (1" x 3 1/8")	4	Renal vein or vessel retraction.
		SL46560	Radio Concave Short Neck Renal 25mm x 100mm (1" x 4")	4	
		SL46562	Radio Concave Short Neck Renal 25mm x 120mm (1" x 4 ¾")	4	
		SL46564	Radio Concave Short Neck Renal 25mm x 140mm (1" x 5 ½")	4	
		SL46566	Radio Concave Short Neck Renal 25mm x 160mm (1" x 6 ¼")	4	
		SL46568	Radio Concave Short Neck Renal 25mm x 180mm (1" x 7")	4	
		SL46570	Radio Concave Short Neck Renal 25mm x 200mm (1" x 7 7/8")	4	
		50000L	Instrument Tray - Lid	1	Tray Lid
		50000RV	Instrument Tray - Renal Vein Blades	1	Drops into Tray Base. Organizes blades.
		50000U1	Instrument Tray - Base	1	Tray Base

Central Cervical Access (CCA)
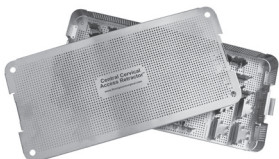
CCA SYSTEM   #SL82018

REF	IMAGE	PART #	ITEM DESCRIPTION	QTY	APPLICATION
			Tray 1		
A		43902S	Elite III Rail Clamp with 1 ⅜" Cam Joint 10"	2	Attaches to the rail of the OR table and holds the angled arm in position.
B		44117	Angled Arm 17" (7" x 10") ⅜"	2	Attaches to the rail clamp and holds the retractor handles in place around the incision.
C		42123	Clip-Clip Joint ⅜" x ¼"	6	Attaches to the angled arms and holds the hinged retractor handles.

CCA SYSTEM   #SL82018   *(Continued)*

REF	IMAGE	PART #	ITEM DESCRIPTION	QTY	APPLICATION
D		SL45003LH	S-Lock Hinged Handle 8"	4	Clips in to the Clip-Clip joints and holds the Bone Levers in position. Hinge mechanism allows the blades to "float" while remaining engaged with bone.
		42128AC	Manipulator Handle	2	Attaches to the proximal end of the CCA Bone Levers and assists with positioning before the CCA Bone Levers are attached to the hinged retractor handles.
		46521	CCA Depth Gauge	1	Measures depth of incision for blade selection.
E		64049	Silicone Sleeve - Large	2	Surrounds the CCA Bone Levers and helps retract soft tissue. (Optional.)
		SL46982AC	Bone Lever 14mm x 40mm (½" x 1 ½")	4	Lateral/medial retraction in four corners of exposure. Engages the anterior surface of the cervical spine and retracts surrounding tissues by levering. Attaches to the hinged retractor handles.
		SL46983AC	Bone Lever 14mm x 50mm (½" x 2")	4	
		SL46985AC	Bone Lever 14mm x 70mm (½" x 2 ¾")	4	
		SL46986AC	Bone Lever 14mm x 80mm (½" x 3 ⅛")	4	
		50000CCAF	Instrument Case - CCA Frame	1	Organizes and holds instruments.
		50000CCAB	Instrument Case - CCA Blades	1	Organizes and holds instruments for sterilization, storage, and transportation.

Bilateral Anterior Cervical
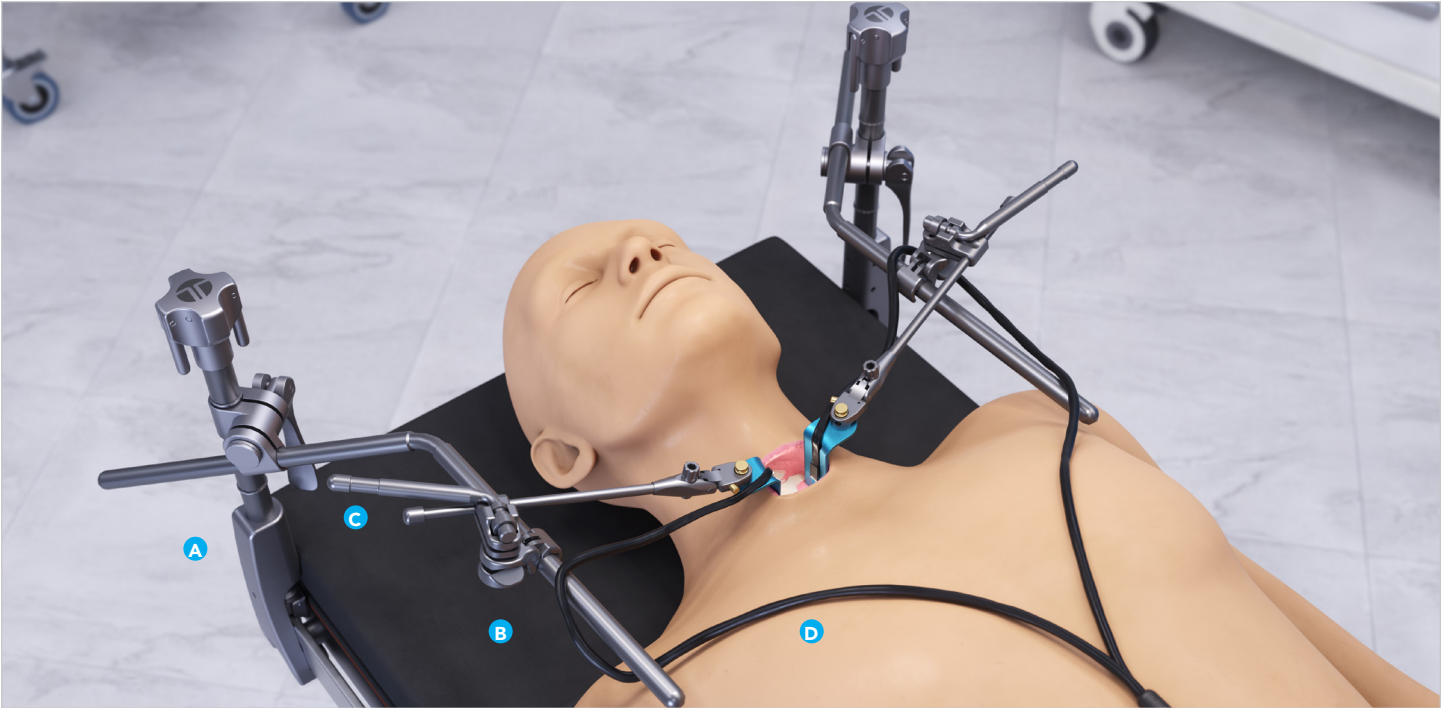
CERVICAL SYSTEM WITH LITEPATH   #SL82043

Non S-Lock and Titanium systems also available, may require longer lead times.

REF	IMAGE	PART #	ITEM DESCRIPTION	QTY	APPLICATION
			Tray 1		
A		43902ACS	Elite III Rail Clamp w/1 Cam Joint 11"	2	Attaches to the rail of the OR table and holds the angled arm in position.
B		44120	20" Angled Arm (10" x 10") @ 45°	2	Attaches to the rail clamp and holds the retractor handles in place around the incision.
C		SL42126WGP	Cam II Clip-on Quick Angle 8"	4	Attaches retractor blades to frame and angles retractor blades as needed, 45° up or down.
		SL45011CGP	Mini Micro-Adjustable II Clip-on Quick Angle 9"	1	Attaches blades to frame and angles blades as needed, 45° up or down. Provides precise micro-adjustments.
		60020	T-Handle	2	May be used on Quick Angle Handle to angle blade 45° up or down.
		42228	Manipulator Handle	2	May be used with a Thompson retractor handle to make controlled adjustments after blade has been placed and attached to frame.
		44012H	Extension Arm 12" with Snap Spring Joint	2	May be added to the angled arm if superior retraction is needed.
D		40040	LitePath Integrated Double 13mm	3	Inserts into Thompson Blades with LitePath to provide illumination of the surgical site.

QUESTIONS OR ADDITIONAL INFORMATION: **1.800.227.7543**

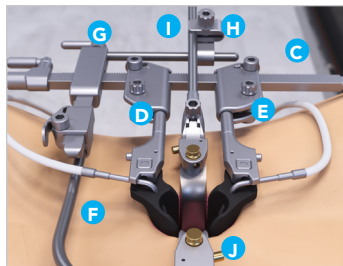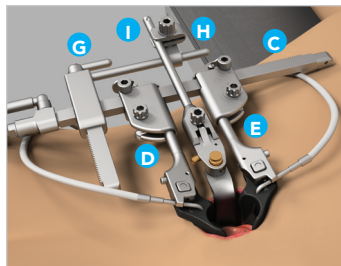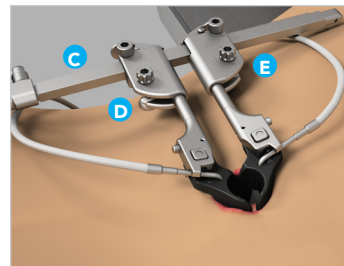| REF	IMAGE	PART #	ITEM DESCRIPTION	QTY	APPLICATION
		EN-BLA50F090	Light Guide Extension	1	Extension cord for LitePath for extra length.
		5844	Rail Extender 15" Single Clamp	2	Attaches to OR table rail to increase rail length or width and provide more attachment options for the rail clamps.
		50000G	Instrument Case 22" x 11" x 3 ½"	1	Holds instruments.
Tray 2					
		SL46312EBL	Radiolucent Concave with LitePath 23mm x 35mm	2	Medial and lateral retraction for multi and single level procedures.
		SL46314EBL	Radiolucent Concave with LitePath 23mm x 40mm	2	
		SL46316EBL	Radiolucent Concave with LitePath 23mm x 45mm	2	
		SL46318EBL	Radiolucent Concave with LitePath 23mm x 50mm	2	
		SL46320EBL	Radiolucent Concave with LitePath 23mm x 55mm	2	
		SL46322EBL	Radiolucent Concave with LitePath 23mm x 60mm	2	
		SL46324EBL	Radiolucent Concave with LitePath 23mm x 65mm	2	
		SL46326EBL	Radiolucent Concave with LitePath 23mm x 70mm	2	
		SL46328EBL	Radiolucent Concave with LitePath 23mm x 75mm	2	
		SL46330EBL	Radiolucent Concave with LitePath 23mm x 80mm	2	
		SL45160EBL	Radio. Conc. Longitudinal with LitePath 23mm x 30mm	2	Longitudinal, medial, or lateral retraction.
		SL45161EBL	Radio. Conc. Longitudinal with LitePath 23mm x 40mm	2	
		SL45162EBL	Radio. Conc. Longitudinal with LitePath 23mm x 50mm	2	
		SL45163EBL	Radio. Conc. Longitudinal with LitePath 23mm x 60mm	2	
		SL45164EBL	Radio. Conc. Longitudinal with LitePath 23mm x 70mm	2	
		SL46510EBL	Radio. Concave Micro with LitePath 14mm x 35mm	2	Medial or lateral retraction. Ideal for small exposures and longitudinal retraction in narrow exposures.
		SL46512EBL	Radio. Concave Micro with LitePath 14mm x 40mm	2	
		SL46514EBL	Radio. Concave Micro with LitePath 14mm x 45mm	2	
		SL46516EBL	Radio. Concave Micro with LitePath 14mm x 50mm	2	
		SL46518EBL	Radio. Concave Micro with LitePath 14mm x 55mm	2	
		SL46520EBL	Radio. Concave Micro with LitePath 14mm x 60mm	2	
		SL45643EBL	Radio. Concave Tapered with LitePath 23mm x 35mm	2	Medial or lateral retraction.
		SL45644EBL	Radio. Concave Tapered with LitePath 23mm x 40mm	2	
		SL45645EBL	Radio. Concave Tapered with LitePath 23mm x 45mm	2	
		SL45646EBL	Radio. Concave Tapered with LitePath 23mm x 50mm	2	
		SL45647EBL	Radio. Concave Tapered with LitePath 23mm x 55mm	2	
		SL45648EBL	Radio. Concave Tapered with LitePath 23mm x 60mm	2	
		SL45649EBL	Radio. Concave Tapered with LitePath 23mm x 65mm	2	
		SL45650EBL	Radio. Concave Tapered with LitePath 23mm x 70mm	2	
		SL45750EBL	Radio. Midline Right with LitePath 70mm x 83mm	1	Retraction under the mandible on high level anterior cervical procedures.
		SL45751EBL	Radio. Midline Left with LitePath 70mm x 83mm	1	
		SL45666EBL	Radiolucent Odontoid with LitePath 20mm x 90mm	1	Anterior odontoid and longitudinal cephalad retraction.
		46519	Depth Gauge - Anterior Cervical [Anodized]	1	Measures depth of incision for blade selection.
		50000EAC	Instrument Case - Expanded Anterior Cervical	1	Drops into Tray Base and organizes blades
		50000U1	Instrument Tray - Base	1	Tray Base
		50000L	Instrument Tray - Lid	1	Tray Lid

MIS PLA Frame
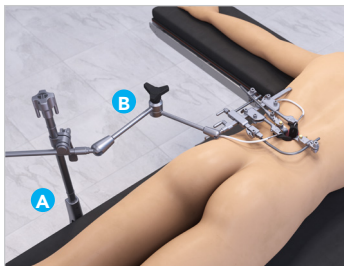
MIS PLA® 4-Blade

MIS PLA® 3-Blade

MIS PLA® 2-Blade

MIS PLA® SYSTEM   #SL82021

REF	IMAGE	PART #	ITEM DESCRIPTION	QTY	APPLICATION
			Tray 1		
A		41902ACL	Elite II Rail Clamp with 1 Joint 16"	1	Attaches to the rail of the OR table and holds the articulating arm in position.
B		42138N	MIS Spine Frame Articulating Arm	1	Attaches to the rail clamp and table mounts the MIS Spine Frame Rack. Position is adjustable using black knob.
C		60010	MIS Spine Frame Rack 200mm	1	Mounts to articulating arm and holds frame arms.
D		60009	MIS Spine Frame Left Arm	1	Holds and allows for angling and retraction of the caudal/cephalad blades.
E		60008	MIS Spine Frame Right Arm	1	
F		47212	MIS Spine Frame U-Bar Add On	1	Attaches to and retracts off of the L-Bar Add-on. Supports a third or fourth point of retraction, usually on the lateral side.
G		47213	MIS Spine Frame L-Bar Add On	1	Mounts to the MIS Spine Frame Rack and supports a third point of retraction, usually in the medial direction.
H		47205T	¼" Side Clip x ¼" Slide w/Thumb Screw	1	Slides on to the L-Bar and holds a retractor handle.
I		SL45002GS	S-Lock Quick Angle Handle 6"	1	Attaches to a retractor blade for medial retraction.
J		SL45012S	S-Lock Interchangeable Head with ¼" Scissor	1	Attaches a retractor blade to the U-Bar Add-on.
		60020	T-Handle	2	May be used on Quick Angle Handle to angle blade 45° up or down.
		50000MSFL	Case - MIS Spine Lid	1	Organizes and holds instruments.
		50000MSFT	Case - MIS Spine Tray	1	Organizes and holds instruments.
		50000MSFB	Case - MIS Spine Bottom	1	Organizes and holds instruments.
			Tray 2		
		45831	Dilator #1 - 7mm	1	Inserted sequentially into the incision down to the disc space to dilate the working channel. May be inserted over K-wire. Removed once the Caudal / Cephalad blades are inserted.
		45832	Dilator #2 - 12mm	1	
		45833	Dilator #3 - 17mm	1	
		45834	Dilator #4 - 21mm	1	

REF	IMAGE	PART #	ITEM DESCRIPTION	QTY	APPLICATION
		45924R	Caudal/Cephalad Right 22mm x 40mm	1	
		45924L	Caudal/Cephalad Left 22mm x 40mm	1	
		45925R	Caudal/Cephalad Right 22mm x 50mm	1	
		45925L	Caudal/Cephalad Left 22mm x 50mm	1	
		45926R	Caudal/Cephalad Right 22mm x 60mm	1	
		45926L	Caudal/Cephalad Left 22mm x 60mm	1	
		45927R	Caudal/Cephalad Right 22mm x 70mm	1	
		45927L	Caudal/Cephalad Left 22mm x 70mm	1	
		45928R	Caudal/Cephalad Right 22mm x 80mm	1	Retraction in the head and toe
		45928L	Caudal/Cephalad Left 22mm x 80mm	1	direction. Inserted over a dilator.
		45929R	Caudal/Cephalad Right 22mm x 90mm	1	
		45929L	Caudal/Cephalad Left 22mm x 90mm	1	
		45930R	Caudal/Cephalad Right 22mm x 100mm	1	
		45930L	Caudal/Cephalad Left 22mm x 100mm	1	
		45931R	Caudal/Cephalad Right 22mm x 110mm	1	
		45931L	Caudal/Cephalad Left 22mm x 110mm	1	
		45932R	Caudal/Cephalad Right 22mm x 120mm	1	
		45932L	Caudal/Cephalad Left 22mm x 120mm	1	
		SL46704AT	PLA Medial/Lateral w/Lip 40mm	1	
		SL46705AT	PLA Medial/Lateral w/Lip 50mm	1	
		SL46706AT	PLA Medial/Lateral w/Lip 60mm	1	
		SL46707AT	PLA Medial/Lateral w/Lip 70mm	1	
		SL46708AT	PLA Medial/Lateral w/Lip 80mm	1	Medial and lateral retraction.
		SL46709AT	PLA Medial/Lateral w/Lip 90mm	1	
		SL46710AT	PLA Medial/Lateral w/Lip 100mm	1	
		SL46711AT	PLA Medial/Lateral w/Lip 110mm	1	
		SL46712AT	PLA Medial/Lateral w/Lip 120mm	1	
		SL46604ATT	PLA M/L w/Fine Teeth 13½mm x 40mm	1	
		SL46605ATT	PLA M/L w/Fine Teeth 13½mm x 50mm	1	
		SL46606ATT	PLA M/L w/Fine Teeth 13½mm x 60mm	1	
		SL46607ATT	PLA M/L w/Fine Teeth 13½mm x 70mm	1	
		SL46608ATT	PLA M/L w/Fine Teeth 13½mm x 80mm	1	Medial and lateral retraction.
		SL46609ATT	PLA M/L w/Fine Teeth 13½mm x 90mm	1	
		SL46610ATT	PLA M/L w/Fine Teeth 13½mm x 100mm	1	
		SL46611ATT	PLA M/L w/Fine Teeth 13½mm x 110mm	1	
		SL46612ATT	PLA M/L w/Fine Teeth 13½mm x 120mm	1	
		50000PLAL	Case - PLA Lid	1	Organizes and holds instruments.
		50000PLAT	Case - PLA Tray	1	Organizes and holds instruments.
		50000PLATT	Case - PLA Dilator Tray	1	Organizes and holds instruments.
		50000PLAB	Case - PLA Bottom	1	Organizes and holds instruments.
		40002MIS	MIS Retractor Lite LED	1	Illuminates incision area.
		LLS-2000-2	LED Light Source	1	

Open Posterior Lumbar
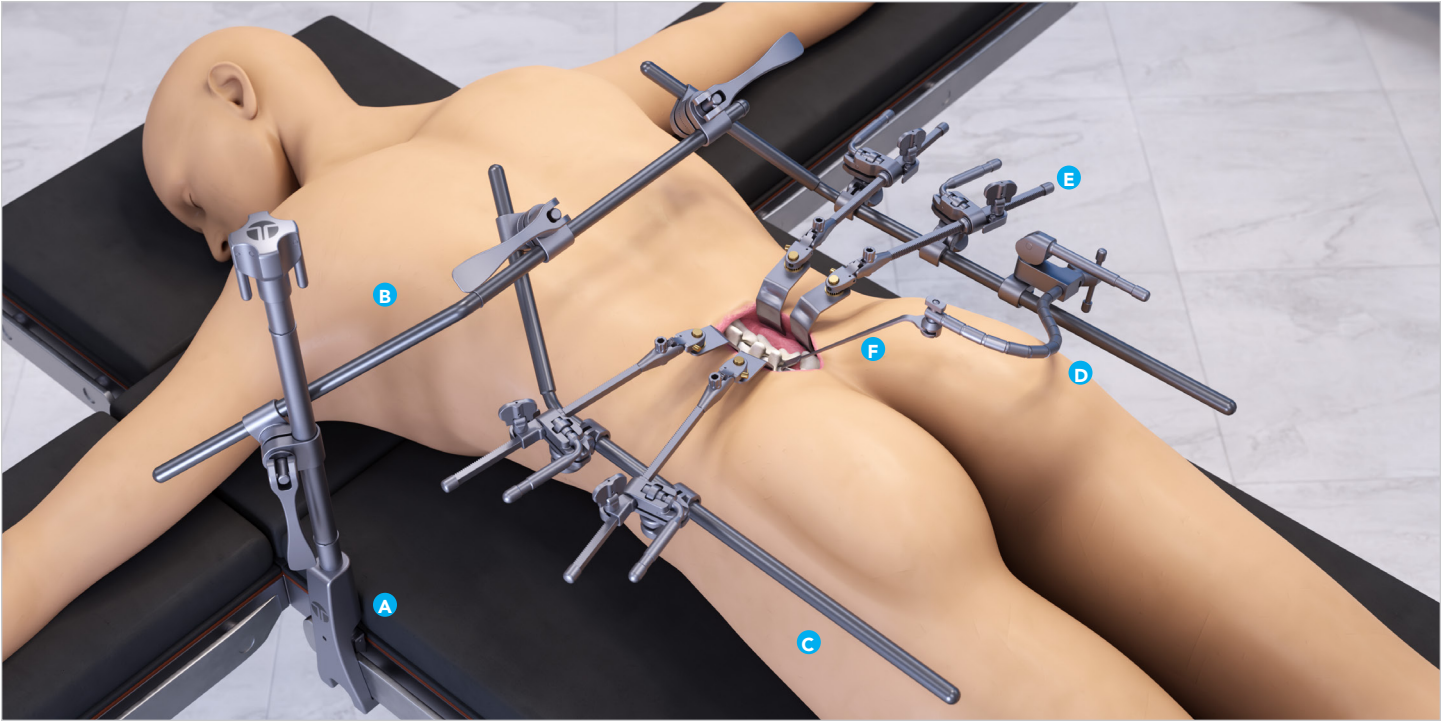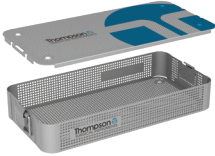
POSTERIOR LUMBAR SYSTEM   #SL82020

Non S-Lock system also available, may require a longer lead time.

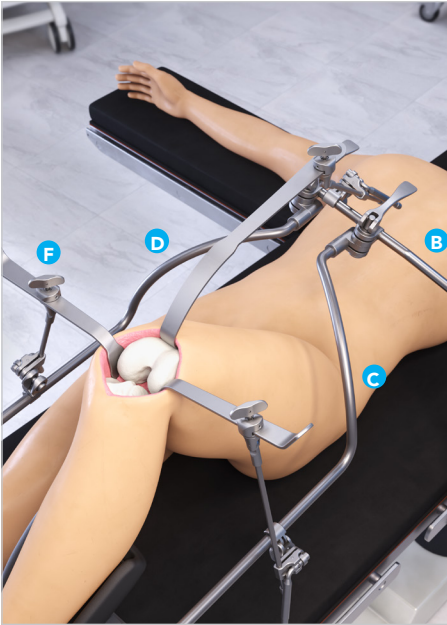| REF	IMAGE	PART #	ITEM DESCRIPTION	QTY	APPLICATION
			Tray 1		
A		43902ACL	Elite III Rail Clamp with 1 Cam Joint 16"	1	Attaches to the rail of the OR table and holds the crossbar in position.
B		43900BC	Crossbar w/2 Cam Joints 24" (11" x 13")	1	Attaches to the rail clamp and holds the angled arms in place around the incision. May also support retractor handles.
C		44124N	24" Angled Arm (8" x 16") @ 45°	2	Attaches to the crossbar and holds the retractor handles in place around the incision.
D		42140C	Flexible Blade Holder with Cam Joint	1	Attaches Nerve Root Retractors to the frame as needed.
E		SL45011CGP	Mini Micro-Adjustable II Clip-on Quick Angle 9"	4	Attaches blades to frame and angles blades as needed, 45° up or down.Provides precise micro-adjustments. Lower profile.

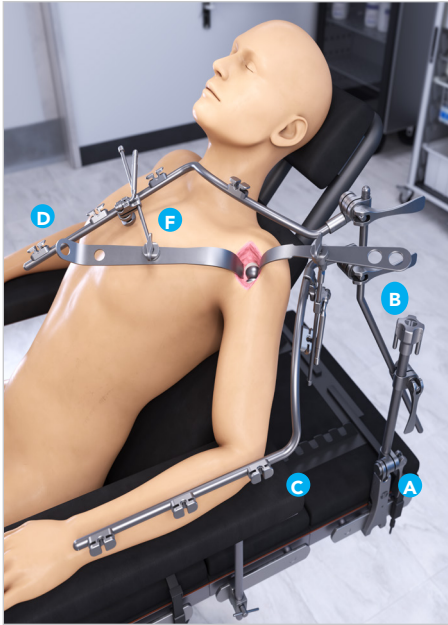| REF	IMAGE	PART #	ITEM DESCRIPTION	QTY	APPLICATION
		60020	T-Handle	2	May be used on Quick Angle Handle to angle blade 45° up or down.
		50000G	Instrument Case (23" x 11" x 3 ½")	1	Holds instruments for sterilization, storage, and transportation.
		Tray 2			
		SO45670ATTC	Radiolucent Concave Posterior Lumbar 23mm x 80mm (1" x 3 ⅛")	2	
		SO45671ATTC	Radiolucent Concave Posterior Lumbar 45mm x 80mm (1 ¾" x 3 ⅛")	2	
		SO45672ATTC	Radiolucent Concave Posterior Lumbar 60mm x 80mm (2 ⅜" x 3 ⅛")	2	
		SO45673ATTC	Radiolucent Concave Posterior Lumbar 23mm x 100mm (1" x 4")	2	
		SO45674ATTC	Radiolucent Concave Posterior Lumbar 45mm x 100mm (1 ¾" x 4")	2	Lateral muscle retraction for posterior lumbar procedures.
		SO45675ATTC	Radiolucent Concave Posterior Lumbar 60mm x 100mm (2 ⅜" x 4")	2	
		SO45676ATTC	Radiolucent Concave Posterior Lumbar 23mm x 120mm (1" x 4 ¾")	2	
		SO45677ATTC	Radiolucent Concave Posterior Lumbar 45mm x 120mm (1 ¾" x 4 ¾")	2	
		SO45678ATTC	Radiolucent Concave Posterior Lumbar 60mm x 120mm (2 ⅜" x 4 ¾")	2	
		45752A	Nerve Root Retractor 90° 5mm x 123mm (¼" x 4 ⅞")	1	Held in place by the Flexible Blade Holder and provide posterior lumbar nerve root retraction.
F		45753A	Nerve Root Retractor 45° 8mm x 145mm (⅜" x 5 ¾")	1	
		SL45760A	Prong Retractor 75mm (3")	1	Retracts off of the spinous process, or bone, to increase access around the retractor for procedures such as drilling
		SL45761A	Prong Retractor 100mm (4")	1	
		50000G	Instrument Case (23" x 11" x 3 ½")	1	Holds instruments.

Hip Application
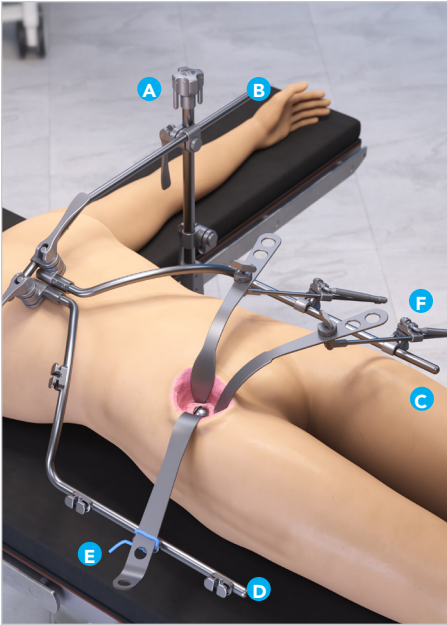
Knee Application
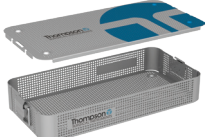
Shoulder Application

HIP SYSTEM   #SL82045

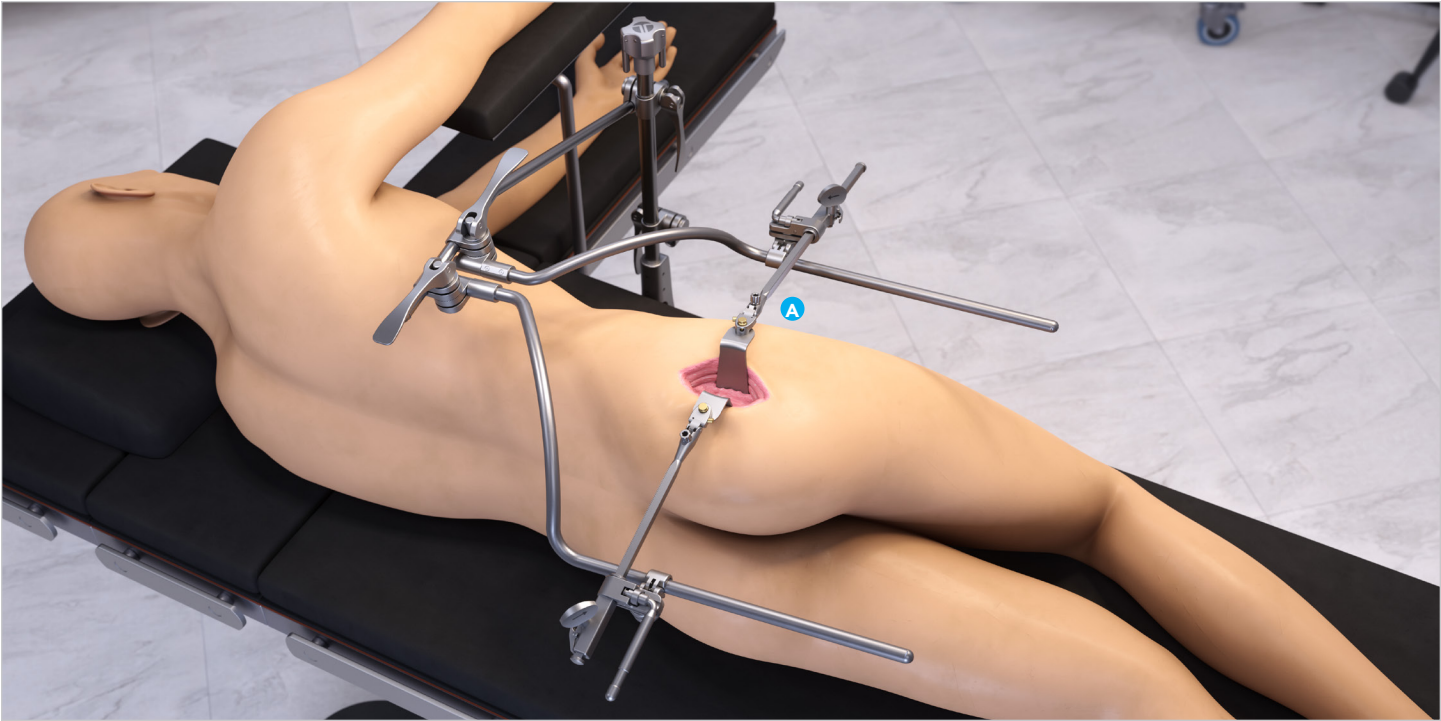| REF	IMAGE	PART #	ITEM DESCRIPTION	QTY	APPLICATION
			Tray 1		
A		43904AC	Elite III Rail Clamp with 1 Joint 22"	1	Attaches to the rail of the OR table and holds the crossbar in position.
B		43990	Crossbar with 2 Cam III Joints 7 " x 19 ½"	1	Attaches to the rail clamp and holds the curved arms in place around the incision. May also support retractor handles.
C		44203	20" Curved Arm with Cleats 1	1	Attaches to the crossbar and holds the retractor handles and tethers in place around the incision.
D		44204	20" Curved Arm with Cleats 2	1	
E		42105	Hip Tethers 24" - 5 Pack (Latex Free)	2	Secures retractor blades to the frame.
F		42126BP	Cam II Clip-On Blade Adapter 8 ½"	4	
		42126OHP	Orthopedic Cam II Clip-On Hook 8 ½"	1	Secures retractor blades to the frame.

HIP SYSTEM   #SL82045 *(Continued)*

REF	IMAGE	PART #	ITEM DESCRIPTION	QTY	APPLICATION
		41938	Rail Extender 20" with 1 Power Rail Clamp	1	Attaches to OR table rail to provide more attachment options for the rail clamp. Required to use Hip System with Hana® Table or leg positioning systems.
		50000G	Instrument Case (23" x 11" x 3 1/2")	1	Holds instruments for sterilization, storage, and transportation.

HIP BLADE KIT   #82047
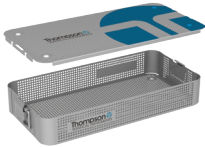
REF	IMAGE	PART #	ITEM DESCRIPTION	QTY	APPLICATION
		45301	Cobra Hip Blade 11"	2	
		45305	Hohmann Hip Blade 11"	2	Acetabulum exposure.
		45309	Dual Prong Hip Blade 11"	2	
		45300	Femoral Neck Elevator 14"	1	Femur elevation.
		45302	Curved Cobra Hip Blade 12 1/2"	1	
		45306	Curved Hohmann Narrow Hip Blade 12"	1	
		45307	Curved Hohmann Wide Hip Blade 12"	1	Acetabulum exposure.
		45308	Curved Dual Prong Hip Blade 12"	1	
		50000G	Instrument Case (23" x 11" x 3 1/2")	1	Holds instruments for sterilization, storage, and transportation.

Muscle Retractor (Posterior)

MUSCLE RETRACTOR ADD-ON KIT   #SL90060

NOTE: Total Joint Frame required for use.

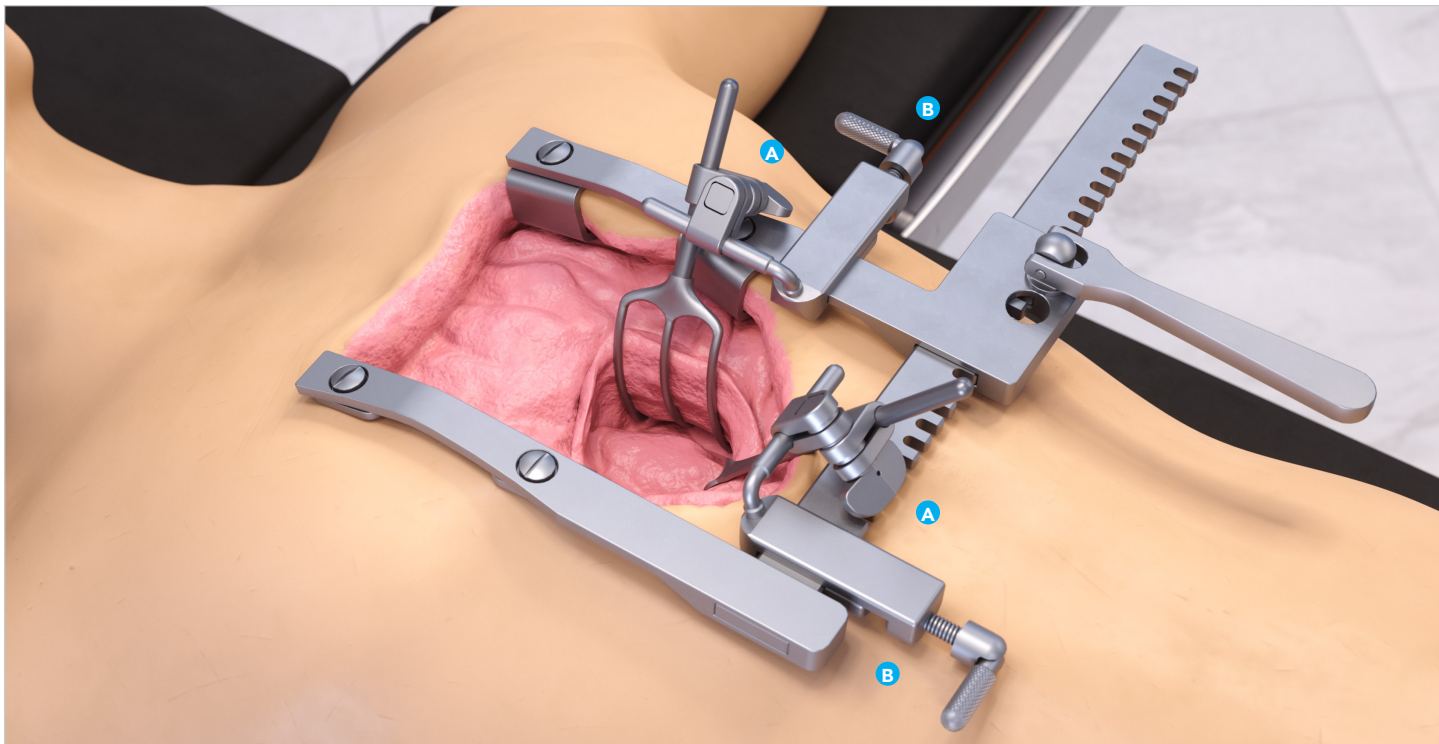| REF	IMAGE	PART #	ITEM DESCRIPTION	QTY	APPLICATION
			Tray 1		
A		SL45006CGP	Micro-Adjustable II Clip-on Quick Angle 10"	1	Attaches blades to frame and angles blades as needed, 45° up or down. Provides precise micro-adjustments.
		SL45006CGRP	Micro-Adjustable II Clip-on Quick Angle 15"	1	
		60020	T-Handle	2	May be used on Quick Angle Handle to angle blade 45° up or down.
		SL46410T	Hibbs with Teeth 25mm x 75mm (1" x 3")	2	
		SL46414T	Hibbs with Teeth 25mm x 115mm (1" x 4 ½")	2	Muscle retraction.
		SL46418T	Hibbs with Teeth 25mm x 165mm (1" x 6 ½")	2	
		50000G	Instrument Case (23" x 11" x 3 1/2")	1	Holds instruments for sterilization, storage, and transportation.

Femur Elevator

FEMUR ELEVATOR   #90025

NOTE: May be used alone or with Total Joint Frame.

REF	IMAGE	PART #	ITEM DESCRIPTION	QTY	APPLICATION
			Tray 1		
A		43902AC	Elite III Rail Clamp with 1 Joint 18"	1	Attaches to the rail of the OR table and holds the elevator handle in position.
B		44300	20" Straight Arm with Elevator Handle	1	Attaches to the rail clamp and holds the femur hook in place.
C		44309	Femur Hook 9"	1	Femur elevation.
		44312	Femur Hook 12"	1	
		50000G	Instrument Case (23" x 11" x 3 1/2")	1	Holds instruments for sterilization, storage, and transportation.

Sternotomy *

* Shown with Morse Sternal Spreader (#300251)

Thoracotomy **
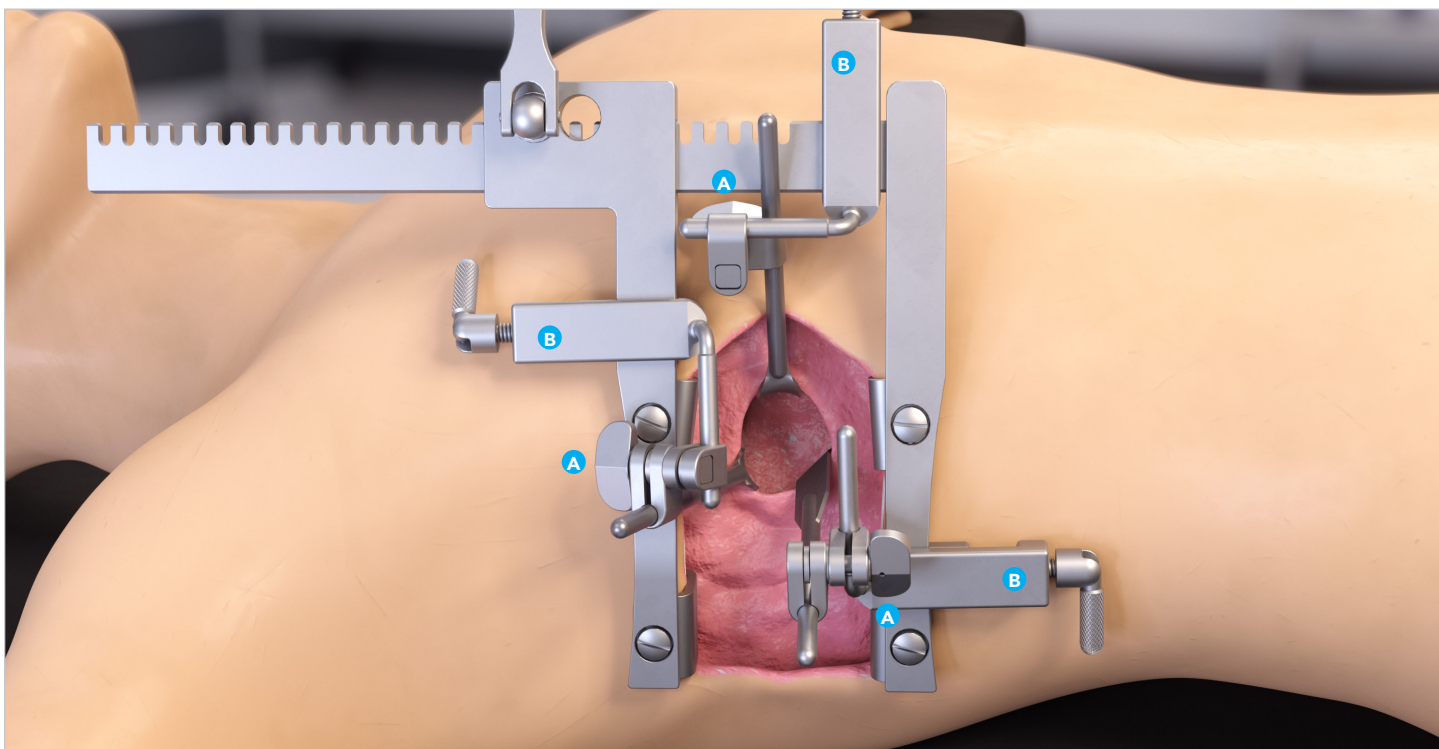
** Shown with thoracotomy spreader, not sold by Thompson Surgical.

BOLLING MITRAL VALVE RETRACTOR SYSTEM   #91072CV

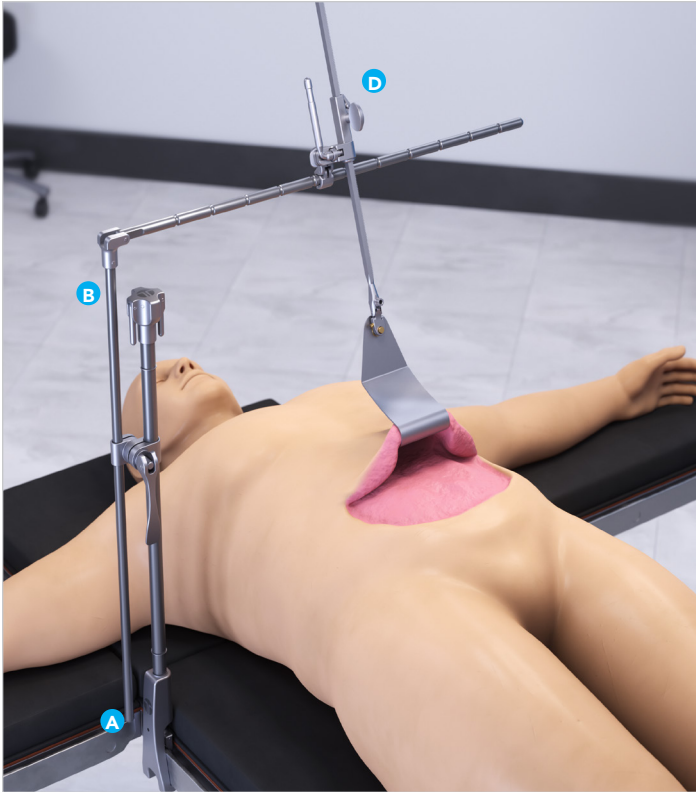| REF	IMAGE	PART #	ITEM DESCRIPTION	QTY	APPLICATION
			Tray 1		
		43100	Malleable Paddle 5" (127mm)	1	
		43101	Malleable Paddle 6 ½"	1	Malleable atrial or septal retraction
		43102	Malleable Paddle 8" (203mm)	1	
		43103	Cushing 5" (127mm)	1	
		43104	Cushing 6 ½" (165mm)	1	Atrial retraction during transseptal approach.
		43105	Cushing 8" (203mm)	1	
		43106	Small Basket 5" (127mm)	1	
		43107	Small Basket 6 ½" (165mm)	1	
		43108	Small Basket 8" (203mm)	1	
		43109	Medium Basket 5" (127mm)	1	
		43110	Medium Basket 6 ½" (165mm)	1	Left atrial wall retraction.
		43111	Medium Basket 8" (203mm)	1	
		43112	Large Basket 5" (127mm)	1	
		43113	Large Basket 6 ½" (165mm)	1	
		43114	Large Basket 8" (203mm)	1	
A		47204	Universal Joint	3	Attaches retractors to CV Clamps.
		47202N	CV Clamp L-Bar	1	Mounts to sternal or rib retractors and holds multiple Universal Joints.
B		47200N	CV Clamp Mini L-Bar	2	Mounts to sternal or rib retractors and holds one Universal Joint.
		47201N	CV Clamp T-Bar	1	Mounts to sternal or rib retractors and holds multiple Universal Joints.
		51000BOL	Instrument Tray - Bolling Retractor	1	Organizes and holds instruments for sterilization, storage, and transportation. Drops into Tray Base.
		50000L	Instrument Tray - Lid	1	Tray Lid
		50000U1	Instrument Tray - Base	1	Tray Base

Panniculectomy

Tummy Tuck

BODY CONTOURING SYSTEM   #SL82016

REF	IMAGE	PART #	ITEM DESCRIPTION	QTY	APPLICATION
Tray 1					
A		43904AC	Elite III Rail Clamp with 1 Joint 22"	1	Attaches to the rail of the OR table and holds the 90° collapsible rod in position.
B		44734	90° Collapsible Rod with Grooves	1	Attaches to the rail clamp and holds the retractor handles in place around the incision.
C		35028	Towel Clip Micro-Adjustable	2	Attaches towel clips to the frame and provides precise micro adjustments.
D		SL45007PGP	Micro-Adjustable II Clip-On Quick Angle 20"	1	Attaches blades to frame and angles blades as needed, 45° up or down. Provides precise micro-adjustments.

## BODY CONTOURING SYSTEM   #SL82016   *(Continued)*

REF	IMAGE	PART #	ITEM DESCRIPTION	QTY	APPLICATION
		60020	T-Handle	2	May be used on Quick Angle Handle to angle blade 45° up or down.
		SO46134	Fence 102mm x 102mm (4" x 4")	1	Abdominal or incisional wall retraction.
		SO46400	Tummy Tuck 76mm x 140mm (3" x 5 ½")	1	Abdominal muscle exposure for plication.
		SO48001	Towel Clip Hook 45mm x 64mm (1 ¾" x 2 ½")	1	Attaches to the Micro-Adjustable Handle to hold towel clips as needed.
		50000BL	Instrument Case (26" x 10" x 5")	1	Holds instruments for sterilization, storage, and transportation.

BILATERAL EXPANSION KIT *   #SL82022

REF	IMAGE	PART #	ITEM DESCRIPTION	QTY	APPLICATION
E		43904AC	Elite III Rail Clamp with 1 Joint 22"	1	Attaches to OR table, holds straight arm.
F		44120C	Straight Arm with 1 Cam Joint 20"	1	Attaches to rail clamp and 90° rod for bilateral set ups.
		50000BL	Instrument Case (26" x 10" x 5")	1	Holds instruments.

* The Bilateral Expansion Kit is recommended for pannus weighing over 25 lbs. and offers greater stability. Accessory Blade Kit (# SL80043A) also available.

ACCESSORY BLADE KIT *   #SL80043A

REF	IMAGE	PART #	ITEM DESCRIPTION	QTY	APPLICATION
		SO46103	Saldanha Arched 76mm x 140mm (4" x 5 ½")	1	Abdominal muscle exposure for plication.
		SL46124	Malleable 64mm x 254mm (2 ½" x 10")	1	Soft tissue retraction.
		SO46124A	Malleable 76mm x 254mm (3" x 10")	1	
		SO46124B	Malleable 102mm x 254mm (4" x 10")	1	
		SO46136	Fence 102mm x 152mm (4" x 6")	1	Abdominal or incisional wall retraction.
		SO46401	Tummy Tuck 102mm x 140mm (4" x 5 ½")	1	Abdominal muscle exposure for plication.
		SO46402	Cat's Paw 6mm x 64mm (¼" x 1 ¼")	1	Skin retraction.

Brain System – Table Mounted

* Only sold within the U.S.

BRAIN SYSTEM – TABLE MOUNTED™   #82043 *(Continued)*

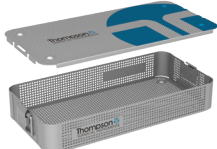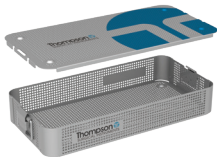| REF	IMAGE	PART #	ITEM DESCRIPTION	QTY	APPLICATION
			Tray 1		
A		43902AC	Elite III Rail Clamp with 1 Cam Joint 18"	1	Attaches to the Rail Extender or onto the OR Bed Rail
B		44225	C Frame 13 1/2"	1	Inserts into Elite aRail Clamp's Joint and allows for attachment of Fix Holders and Blades
		44230	U Frame 10" x 15 1/2"	1	Inserts into Elite Rail Clamp's Joint and allows for attachment of Fix Holders and Blades
C		44231	Rail Extender 15" with Jog	1	Attaches to the OR Bed Rail for extra reach
D		42140SP	Flx Holder Clip-On Screwdown	4	Holds Blades for retraction
		47110	Brain Retractor 6mmx102mm	1	
		47111	Brain Retractor 9mmx102mm	1	
		47112	Brain Retractor 16mmx102mm	1	Brain tissue retraction
		47113	Brain Retractor 19mmx102mm	1	
		47114	Brain Retractor 25mmx102mm	1	
E		47116	Malleable Tapered Blade 1/4" x 3/4"	1	
		47117	Malleable Tapered Blade 5/32" x 5/8"	1	
		47118	Malleable Tapered Blade 1/8" x 1/2"	1	Brain tissue retraction
		47119	Malleable Tapered Blade 3/32" x 3/8"	1	
		47120	Malleable Tapered Blade 1/16" x 1/4"	1	
		50000G	Instrument Case (23" x 11" x 3 1/2")	1	Holds instruments for sterilization, storage, and transportation.
		44223	Pattie Tray 4 x 6	1	Holds Instruments

Brain System – Skull Clamp Mounted

* Only sold within the U.S.

REF	IMAGE	PART #	ITEM DESCRIPTION	QTY	APPLICATION
			Tray 1		
A		44232	Skull Clamp Mount w/ Cam Joint	1	Attaches to skull clamp to mount the system
B		44012H	Extension Arm 12" with Spring Hinge Joint	1	Inserts into Skull Clamp Mount and allows for attachment of C-Frame
C		44225	C Frame 13 1/2"	1	Inserts into Elite aRail Clamp's Joint and allows for attachment of Fix Holders and Blades
D		42140SP	Flx Holder Clip-On Screwdown	4	Holds Blades for retraction
		47110	Brain Retractor 6mmx102mm	1	
		47111	Brain Retractor 9mmx102mm	1	
		47112	Brain Retractor 16mmx102mm	1	Brain tissue retraction
		47113	Brain Retractor 19mmx102mm	1	
		47114	Brain Retractor 25mmx102mm	1	
E		47116	Malleable Tapered Blade 1/4" x 3/4"	1	
		47117	Malleable Tapered Blade 5/32" x 5/8"	1	
		47118	Malleable Tapered Blade 1/8" x 1/2"	1	Brain tissue retraction
		47119	Malleable Tapered Blade 3/32" x 3/8"	1	
		47120	Malleable Tapered Blade 1/16" x 1/4"	1	
		50000G	Instrument Case (23" x 11" x 3 1/2")	1	Holds instruments for sterilization, storage, and transportation.
		44223	Pattie Tray 4 x 6	1	Holds Instruments

OneFrame™ Frame Kit

ONEFRAME™ FRAME KIT   #SL82063

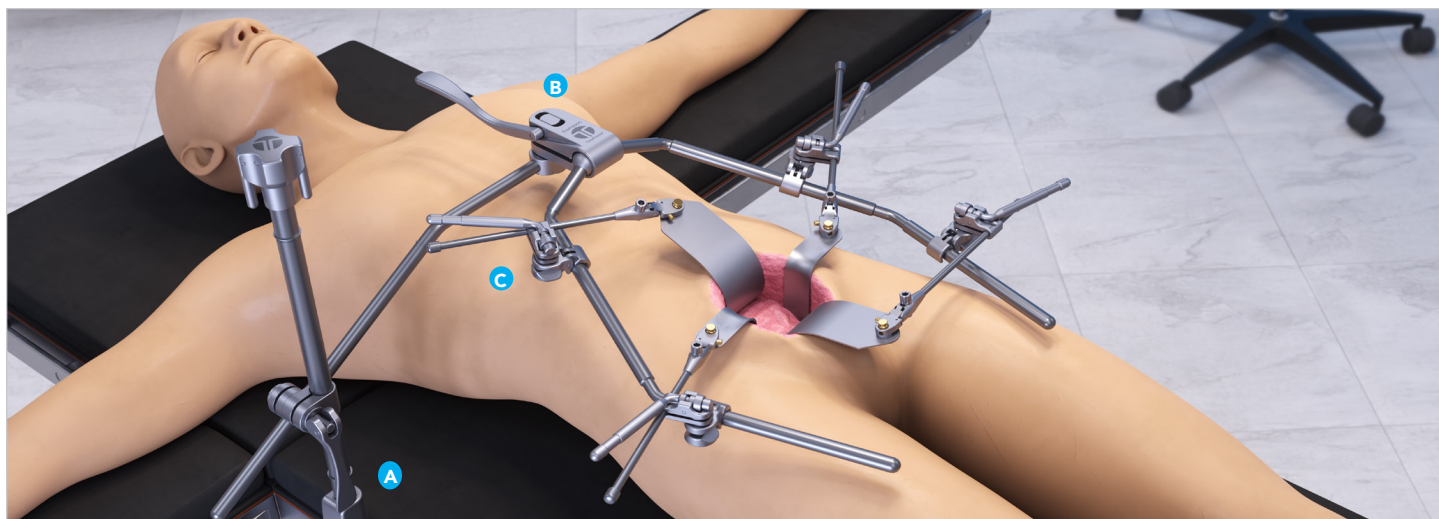| REF	IMAGE	PART #	ITEM DESCRIPTION	QTY	APPLICATION
			Tray 1		
A		43902AC	Elite III Rail Clamp with 1 Cam Joint 18"	1	Attaches to the rail of the OR table and holds the crossbar in position.
B		47500	OneFrame®	1	Attaches to the rail clamp and holds the retractor handles in place around the incision.
		44013H	Extension Arm 18" with Spring Hinge	1	Attaches to distal end of Angled Armsto provide extra reach, closure, or caudal retraction.
		44118B:	Angled Closure Arm 18" (9" x 9")	2	Attaches to distal ends of frame arms to create enclosed frame.
C		SL42126WGP	Cam II Clip-On Quick Angle 8"	5	Attaches retractor blades to the OneFrame and angles retractor blades as needed, 45° up or down.
		SL45006CGP	Micro-Adjustable II Clip-On Quick Angle 10"	1	Attaches blades to frame and angles blades as needed, 45° up or down. Provides precise micro-adjustments.
		60020	T-Handle	2	May be used on Quick Angle Handle to angle blade 45° up or down.
		50000G	Instrument Case (23" x 11" x 3 ½")	1	Holds instruments.

QUESTIONS OR ADDITIONAL INFORMATION: **1.800.227.7543**

Anterior Lumbar Blade Kit

ANTERIOR LUMBAR BLADE KIT   #SL82065

REF	IMAGE	PART #	ITEM DESCRIPTION	QTY	APPLICATION
			Tray 1		
		SL46192ET	Radio. Reverse Lip Malleable 25mm x 200mm	2	Vessel or soft tissue retraction.
		SL46193ET	Radio. Reverse Lip Malleable 32mm x 200mm	2	
		SL46260RET	Radiolucent Reverse Lip 25mm x 100mm	2	Reverse Lip engages at the lateral aspect of the disc and vertebral body to expose the anterior lumbar spine.
		SL46261RET	Radiolucent Reverse Lip 25mm x 110mm	2	
		SL46262RET	Radiolucent Reverse Lip 25mm x 120mm	2	
		SL46263RET	Radiolucent Reverse Lip 25mm x 130mm	2	
		SL46265RET	Radiolucent Reverse Lip 25mm x 150mm	2	
		SL46267RET	Radiolucent Reverse Lip 25mm x 170mm	2	
		SL46269RET	Radiolucent Reverse Lip 25mm x 190mm	2	
		SL46271RET	Radiolucent Reverse Lip 25mm x 210mm	2	
		SL46273RET	Radiolucent Reverse Lip 25mm x 230mm	2	
		SL46275RET	Radiolucent Reverse Lip 25mm x 250mm	2	
		SL46280RET	Radiolucent Reverse Lip 32mm x 100mm	2	
		SL46282RET	Radiolucent Reverse Lip 32mm x 120mm	2	
		SL46284RET	Radiolucent Reverse Lip 32mm x 140mm	2	
		SL46286RET	Radiolucent Reverse Lip 32mm x 160mm	2	
		SL46288RET	Radiolucent Reverse Lip 32mm x 180mm	2	
		SL46290RET	Radiolucent Reverse Lip 32mm x 200mm	2	Reverse Lip engages at the lateral aspect of the disc and vertebral body to expose the anterior lumbar spine.
		SL46292RET	Radiolucent Reverse Lip 32mm x 220mm	2	
		SL46293RET	Radiolucent Reverse Lip 32mm x 230mm	2	
		SL46294RET	Radiolucent Reverse Lip 32mm x 240mm	2	
		SL46295RET	Radiolucent Reverse Lip 32mm x 250mm	2	
		SL46260TET	Radio. Reverse Lip Tapered 25mm x 100mm	2	Tapered design is ideal for working around osteophytes.
		SL46265TET	Radio. Reverse Lip Tapered 25mm x 150mm	2	
		SL46270TET	Radio. Reverse Lip Tapered 25mm x 200mm	2	
		SL46119BET	Radiolucent Malleable Concave Round Neck Renal 25mm x 140mm	2	Renal vein or vessel retraction.
		SL46119CET	Radiolucent Malleable Concave Round Neck Renal 25mm x 190mm	2	
	(see image below)	SL46564	Radio. Conc. Short Neck Renal 25mm x 140mm	4	Rigid, low profile vessel retraction.
		SL46569	Radio. Conc. Short Neck Renal 25mm x 190mm	4	
		SL46575	Radio. Conc. Short Neck Renal 25mm x 250mm	4	
		51234	Suction for Anterior Lumbar Surgery	1	Suction for disc space, as needed.

REF	IMAGE	PART #	ITEM DESCRIPTION	QTY	APPLICATION
		51236	Anterior Lumbar Depth Gauge 335mm	1	Measures depth of incision for blade selection.
		50000ERL	Instrument Case - Exp. Reverse Lip ASA	1	Organizes and holds instruments.
		Tray 2			
		SL46558	Radio. Concave Short Neck Renal 25mm x 80mm	4	
		SL46560	Radio. Conc. Short Neck Renal 25mm x 100mm	4	
		SL46562	Radio. Conc. Short Neck Renal 25mm x 120mm	4	
		SL46564	Radio. Conc. Short Neck Renal 25mm x 140mm	4	Rigid, low profile vessel retraction.
		SL46566	Radio. Conc. Short Neck Renal 25mm x 160mm	4	
		SL46568	Radio. Conc. Short Neck Renal 25mm x 180mm	4	
		SL46570	Radio. Conc. Short Neck Renal 25mm x 200mm	4	
		50000L	Instrument Tray - Lid	1	Tray Lid
		50000RV	Instrument Tray - Renal Vein Blades	1	Drops into Tray Base. Organizes blades.
		50000U1	Instrument Tray - Base	1	Tray Base.
		Tray 3			
	(see image above)	SL46119BET	Radio. Malleable Conc. Round Neck Renal 25mm x 140mm	2	Renal vein or vessel retraction.
		SL46119CET	Radio. Malleable Conc. Round Neck Renal 25mm x 190mm	2	
		SL46119RET	Radiolucent Long Neck Renal 25mm x 140mm	2	
		SL46120RET	Radiolucent Long Neck Renal 25mm x 190mm	2	Renal vein or vessel retraction.
		SL46121RET	Radiolucent Long Neck Renal 25mm x 255mm	2	
		SL46122ET	Radio. Malleable 51mm x 203mm (2" x 8")	2	Soft tissue retraction.
		SL46140ET	Radio. Balfour 65mm x 72mm (2 ½" x 2 ¾")	2	Abdominal wall retraction.
		SL46141ET	Radio. Balfour 83mm x 70mm (3 ¼" x 2 ¾")	1	
		SL46145ET	Radio. Splanchnich 51mm x 115mm (2" x 4 ½")	1	Soft tissue retraction.
		SL46160ET	Radio. Harrington 64mm x 152mm (2 ½" x 6")	1	Organ or soft tissue retraction.
		SL46176ET	Radiolucent Deaver 76mm x 127mm (3" x 5")	1	Soft tissue retraction.
	(see image above)	51234	Suction for Anterior Lumbar Surgery	1	Suction for disc space, as needed.
		SL42126WDP	Cam II Clip-on Dual Angle 8"	2	Attaches blades to frame and angles blades with tactile positioning and precise angling adjustments.
		SL42128G	Quick Angle Hand Held Adapter	1	Attach to a Thompson retractor blade to use as a hand held retractor.
		60021	Hex Tool ³⁄₁₆" with T-Handle	2	May be used on Quick Angle and Dual Angle Handles to angle blade up or down.
		50000ALTI	Case - Anterior Lumbar Insert	1	Organizes and Holds instruments
		50000G	Instrument Case (23" x 11" x 3 ½")	1	Organizes and holds instruments.

General / Vascular Blade Kit
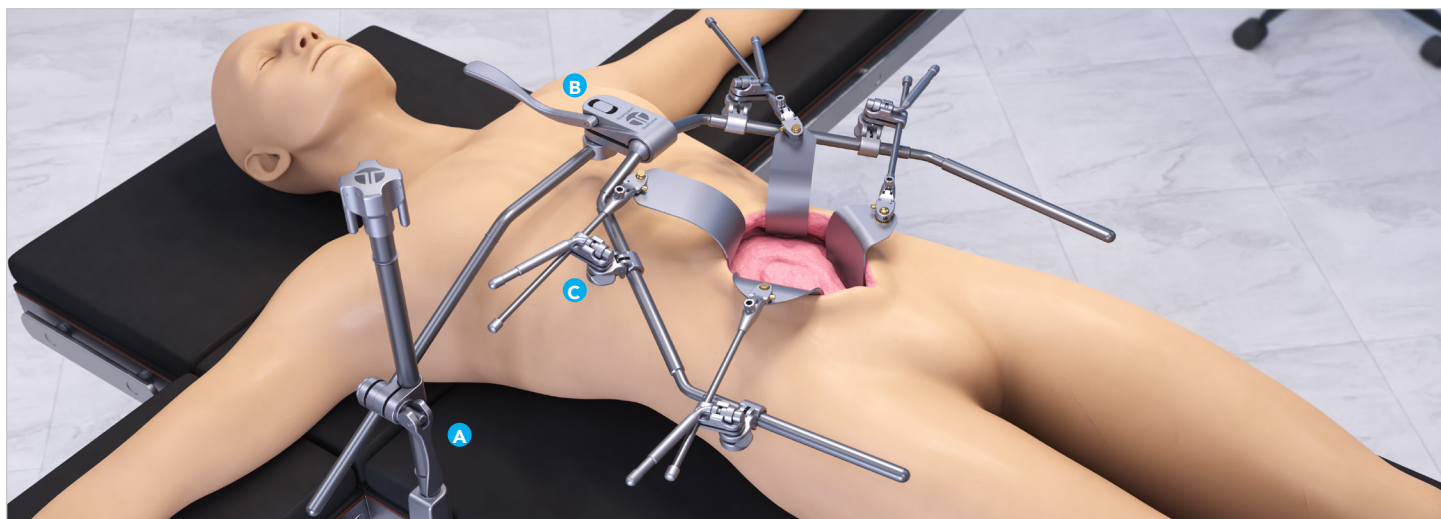
GENERAL / VASCULAR BLADE KIT   #SL82066

REF	IMAGE	PART #	ITEM DESCRIPTION	QTY	APPLICATION
		SL46119B	Concave Round Neck Renal 25mm x 140mm (1" x 5 ½")	2	Renal vein or vessel retraction.
		SL46119C	Concave Round Neck Renal 25mm x 190mm (1"x 7 ½")	2	
		SL46122V	Malleable Slotted 51mm x 203mm (2" x 8")	1	Soft tissue retraction.
		SO46124AV	Malleable Slotted 76mm x 203mm (3" x 8")	1	
		SL46118	Malleable 25mm x 203mm (1" x 8")	1	Soft tissue retraction.
		SL46122	Malleable 51mm x 203mm (2" x 8")	2	
		SL46124	Malleable 64mm x 254mm (2 ½" x 10")	1	
		SO46124A	Malleable 76mm x 254mm (3" x 10")	1	
		SL46125	Richardson 19mm x 25mm (¾" x 1")	1	Muscle retraction for exposure with small or mini-incision.
		SO46129	Kelly 64mm x 76mm (2 ½" x 3")	2	Abdominal or incisional wall retraction.
		SO46130	Kelly 76mm x 89mm (3" x 3 ½")	1	
		SO46134	Fence 102mm x 102mm (4" x 4")	1	Lateral retraction of abdominal wall on large procedures.
		SO46135	Fence 102mm x 127mm (4" x 5")	1	
		SO46136	Fence 102mm x 152mm (4" x 6")	1	
		SO46140	Balfour [lips] 70mm x 73mm (2 ¾" x 3")	1	Costal margin or abdominal wall retraction.
		SO46140C	Balfour [sm lips] 66mm x 73mm (2 ½" x 3")	2	
		SO46141	Balfour [lips] 83mm x 73mm (3 ¼" x 3")	1	
		SO46141C	Balfour [sm lips] 78mm x 73mm (3" x 3")	1	
		SL46143	Fenestrated 44mm x 89mm (1 ¾" x 3 ½")	2	Abdominal or incisional wall retraction.
		SL46144	Fenestrated 48mm x 127mm (1 ⅞" x 5")	2	

REF	IMAGE	PART #	ITEM DESCRIPTION	QTY	APPLICATION
		SL46145	Splanchnich 51mm x 114mm (2" x 4 ½")	1	Soft tissue retraction.
		SL46146	Splanchnich 51mm x 152mm (2" x 6")	1	
		SL46151	Richardson 51mm x 127mm (2" x 5")	2	Abdominal wall retraction.
		SL46160	Harrington 64mm x 152mm (2 ½" x 6")	1	Organ or soft tissue retraction.
		SL46174	Deaver 51mm x 127mm (2" x 5")	1	Soft tissue retraction.
		SO46176	Deaver 76mm x 127mm (3" x 5")	1	
		SO46188	St. Marks [lip] 64mm x 178mm (2 ½" x 7")	1	Soft tissue retraction.
		SL46191	Malleable Finger 152mm (6")	1	Gentle organ retraction.
		SO46241A	Wide Balfour 83mm x 57mm (3 ¼" x 2 ¼")	1	Costal margin or abdominal wall retraction.
		SO46241B	Wide Balfour 100mm x 61mm (4" x 2 ⅜")	1	
		SO46241C	Wide Balfour 114mm x 63mm (4 ½" x 2 ½")	1	
		50000G	Instrument Case (23" x 11" x 3 ½")	1	Holds instruments.

Urology Blade Kit
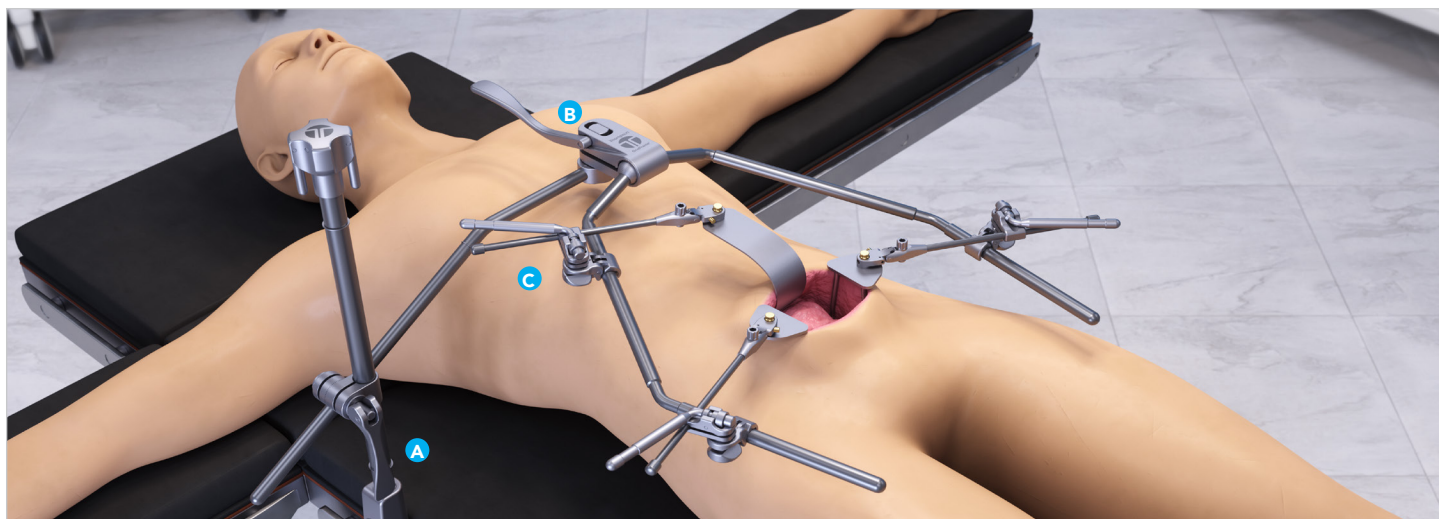
UROLOGY BLADE KIT #SL82064

REF	IMAGE	PART #	ITEM DESCRIPTION	QTY	APPLICATION
		SL46116	Malleable 13mm x 152mm (½" x 6")	1	
		SL46122	Malleable 51mm x 203mm (2" x 8")	1	
		SL46123	Malleable 38mm x 203mm (1 ½" x 8")	1	Soft tissue retraction.
		SL46124	Malleable 64mm x 254mm (2 ½" x 10")	1	
		SO46129	Kelly 64mm x 76mm (2 ½" x 3")	2	Abdominal or incisional wall retraction.
		SO46136	Fence 102mm x 152mm (4" x 6")	1	Lateral retraction of abdominal wall on large procedures.
		SL46137	Holtgrewe 60mm x 152mm (2 ⅜" x 6")	1	Malleable bladder retractor, designed to protect bladder during resection of prostate gland.
		SL46140P	Balfour [with lips] 76mm x 51mm (3" x 2")	2	Costal margin or abdominal wall retraction.
		SL46142P	Balfour [with lips] 51mm x 54mm (2" x 2")	2	
		SL46143	Fenestrated 44mm x 89mm (1 ¾" x 3 ½")	2	Abdominal or incisional wall retraction.
		SO46151	Richardson 51mm x 127mm (2" x 5")	1	Abdominal wall retraction.

UROLOGY BLADE KIT #SL82064   (Continued)

REF	IMAGE	PART #	ITEM DESCRIPTION	QTY	APPLICATION
		SL46160	Harrington 64mm x 152mm (2 ½" x 6")	1	Organ or soft tissue retraction.
		SL46163	Harrington 64mm x 203mm (2 ½" x 8")	1	
		SL46174	Deaver 51mm x 127mm (2" x 5")	1	Soft tissue retraction.
		SL45753AM	Prostate Retractor 8mm (⅜")	1	Prostate retraction.
		SL46660	Double Angled 25mm x 76mm (1" x 3")	2	Soft tissue retraction.
		SL46661	Double Angled 25mm x 64mm (1" x 2 ½")	2	
		SL46662	Double Angled 13mm x 76mm (½" x 3")	2	
		SL46663	Double Angled 13mm x 70mm (½" x 2 ¾")	2	
		SL46215	Murphy Blunt 25mm x 13mm (1" x ½")	1	Skin and shallow muscle retraction.
		50000G	Instrument Case (22" x 11" x 3 ½")	1	Holds instruments.

Kidney Blade Kit
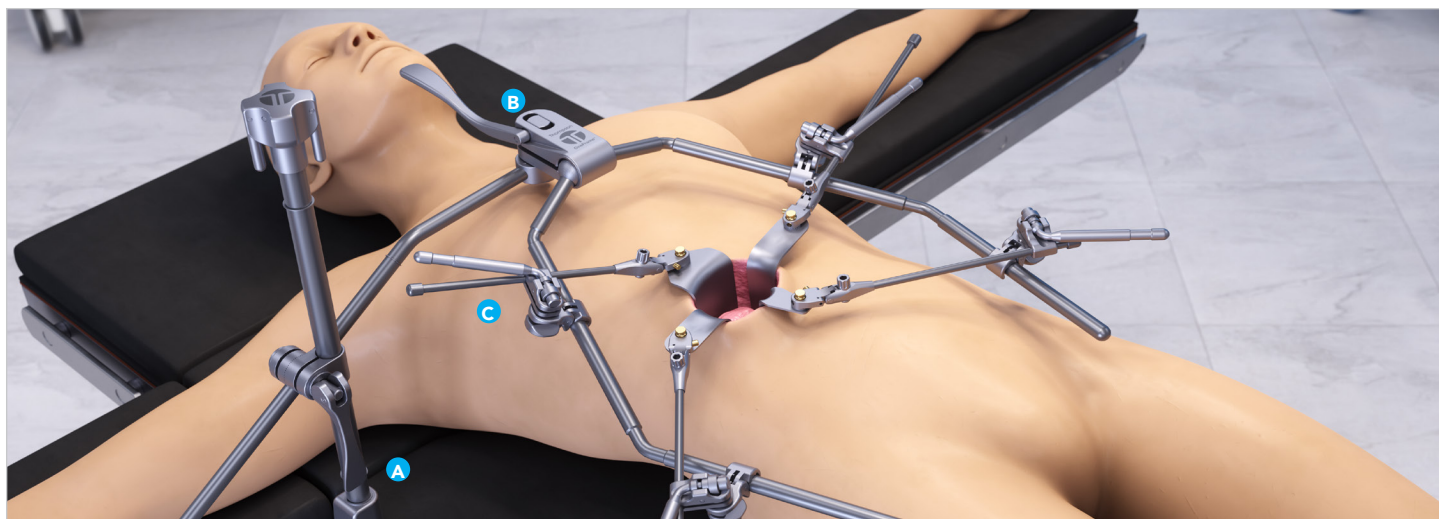
KIDNEY BLADE KIT   #SL82071

REF	IMAGE	PART #	ITEM DESCRIPTION	QTY	APPLICATION
			Tray 1		
		SL46119B	Concave Round Neck Renal 25mm x 140mm (1" x 5 ½")	1	Renal vein or vessel retraction.
		SL46119C	Concave Round Neck Renal 25mm x 190mm (1" x 7 ½")	1	
		SL46118	Malleable 25mm x 203mm (1" x 8")	1	Soft tissue retraction.
		SL46118A	Malleable 25mm x 254mm (1" x 10")	1	
		SL46118B	Malleable 38mm x 254mm (1 ½" x 10")	1	
		SL46122	Malleable 51mm x 203mm (2" x 8")	1	
		SL46123	Malleable 38mm x 203mm (1 ½" x 8")	1	
		SL46124	Malleable 64mm x 254mm (2 ½" x 10")	1	
		SO46124A	Malleable 76mm x 254mm (3" x 10")	1	
		SL46127	Kelly 38mm x 51mm (1 ½" x 2")	1	Abdominal or incisional wall retraction.
		SL46128	Kelly 51mm x 64mm (1 ½" x 2 ½")	1	
		SO46129	Kelly 64mm x 76mm (2 ½" x 3")	1	
		SL46140P	Balfour 76mm x 51mm (3" x 2")	1	Costal margin or abdominal wall retraction.
		SL46142P	Balfour 51mm x 54mm (2" x 2")	1	
		SL46125	Richardson 19mm x 25mm (¾" x 1")	1	Muscle retraction for exposure with small or mini-incision.
		SL46125A	Richardson 19mm x 51mm (¾" x 2")	1	
		SL46126	Richardson 25mm x 32mm (1" x "1 ¼ ")	1	
		SL46150	Richardson 51mm x 102mm (2" x 4")	1	Abdominal wall retraction.
		SO46151	Richardson 51mm x 127mm (2" x 5")	1	
		SL46154	Richardson 51mm x 76mm (2" x 3")	1	
		SL46155	Mini Open Richardson 51mm x 76mm (2" x 3")	1	Muscle retraction for exposures with small or mini-incision.
		SL46156	Mini Open Richardson 51mm x 102mm (2" x 4")	1	
		SL46157	Mini Open Richardson 51mm x 127mm (2" x 5")	1	
		SL46158	Mini Open Richardson 51mm x 152mm (2" x 6")	1	

KIDNEY BLADE KIT   #SL82071   *(Continued)*

REF	IMAGE	PART #	ITEM DESCRIPTION	QTY	APPLICATION
		SL46160	Harrington 64mm x 152mm (2 ½" x 6")	1	
		SL46162P	Harrington 38mm x 127mm (1 ½" x 5")	1	Organ or soft tissue retraction.
		SL46163	Harrington 64mm x 203mm (2 ½" x 8")	1	
		SL46165	Harrington 64mm x 102mm (2 ½" x 4")	1	
		SL46220	Mini-Open Malleable 25mm x 75mm (1" x 3")	1	
		SL46221	Mini-Open Malleable 25mm x 100mm (1" x 4")	1	Soft tissue retraction for exposures with small or mini-incision.
		SL46222	Mini-Open Malleable 25mm x 125mm (1" x 5")	1	
		SL46224	Mini-Open Double Angled 51mm x 127mm (2" x 5")	1	
		SL46225	Mini-Open Double Angled 51mm x 152mm (2" x 6")	1	Muscle retraction for exposures with small or mini-incision.
		SL46226	Mini-Open Double Angled 51mm x 165mm (2" x 6 ½")	1	
		SL46227	Mini Open Deep Double Angled 51mm x 127mm (2" x 5")	1	Muscle retraction for exposures with small or mini-incision.
		SL46660	Double Angled 25mm x 76mm (1" x 3")	1	Soft tissue retraction.
		50000G	Instrument Case (23" x 11" x 3 1/2")	1	Holds instruments.

QUESTIONS OR ADDITIONAL INFORMATION: **1.800.227.7543**

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