

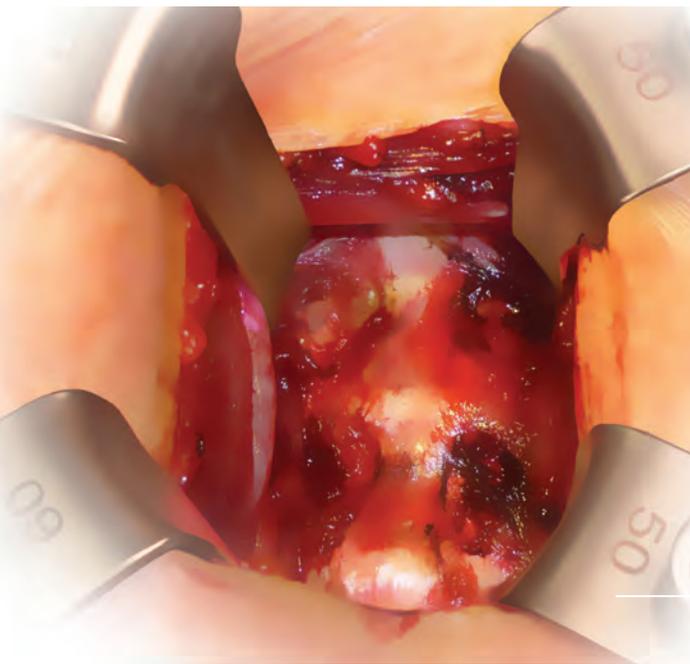
Bilateral Cervical Selection Guide

Thompson Retractor 



- LOW PROFILE FRAME
- REDUCED RISK OF ESOPHAGEAL AND NERVE INJURY
- ELIMINATES SHIFTING AND "RISE UP" IN THE WOUND
- EXCELLENT EXPOSURE FOR MULTI-LEVELS

Uncompromised Exposure.



Uncompromised Anterior Cervical Exposure

The Thompson Retractor offers a secure, table mounted solution that eliminates the need for toothed blades and the excess retraction required by self-retaining retractors to stay in place. Uncompromised Anterior Cervical Exposure is safer and easier with the Thompson Retractor.

S-Lock Angling Retractor Handles and Blades enable Uncompromised Exposures and low-profile, precise retraction of anatomical structures.

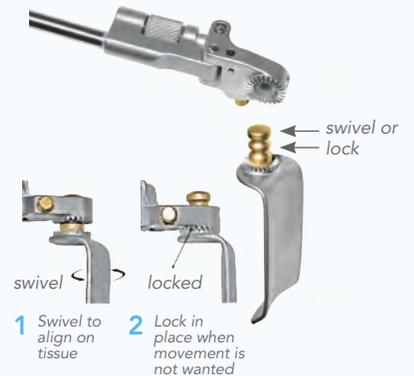
Exclusive Features

Thompson Retractor's Radiolucent Anterior Cervical Blade Kits provide Uncompromised Exposure of the anterior cervical spine and are all made from lightweight titanium for excellent radiolucency. The Anterior Cervical Blade Kits are recommended for use with the Spine Frame (or S-Lock Spine Frame) to allow blades to be individually positioned providing independent, safe retraction of the esophagus, trachea and carotid sheath structures.



RADIOLUCENT TITANIUM

All Anterior Cervical Spine blades are made from titanium, which resists corrosion and wears better than aluminum. Titanium provides excellent radiolucency, strength, and yet remains lightweight.

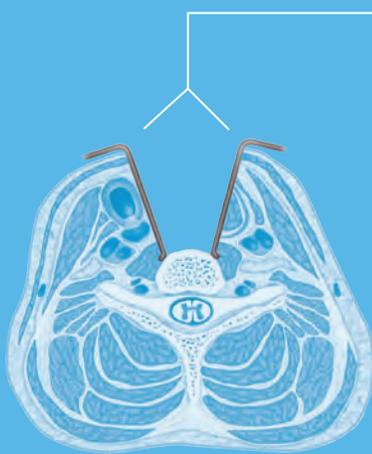


S-LOCK® TECHNOLOGY

Achieve precise blade placement. S-Lock Technology is available in all S-Lock Blade Kits and require use of S-Lock Handles.

Aluminum blades available, call for more information

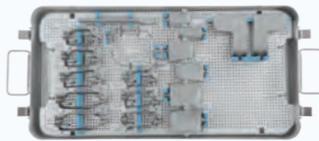




Independent retractor blades enable less invasive independent retraction of the medial and lateral structures.

THOMPSON RETRACTOR FOR ANTERIOR CERVICAL ACCESS PROVIDES:

- Elimination of shifting or "rise up" in the wound
- Independent retraction and blade positioning
- Reduced risk of esophageal and nerve injury
- Low-profile, phenomenal single and multi-level exposure



ORGANIZED INSTRUMENT CASES

All blade kits come with a stenciled case (50000ACT shown) that allows for quick blade selection and organization. Instrument counts are faster and blades are always visible.



EXTENSION ARM

Exceptional exposure for corpectomy procedures is possible using the 12" Extension Arm (44014LC). The Extension Arm also helps facilitate C-2, or the thoracic inlet exposure. Mount the Extension Arm anywhere on the Spine Frame.



DEPTH GAUGE

To help select the appropriate blade depth, all Anterior Cervical Blade Kits include a depth gauge (46521) that measures depths up to 100mm.

See our Expanded Anterior Cervical Blade Kits on page 6 for the most complete blade depth selection.

INTERCHANGEABLE BLADES

Interchangeable blades are the original Thompson design and swivel 180°. Blades stay in place with retraction pressure, thereby aligning the blade atraumatically on the tissue. If locking of the blade relative to the handle is desired, the S-Lock offers both the swivel and lock option.

Thompson Retractor offers several blade kits for use with the Spine Frame:

- S-Lock® Radiolucent Anterior Cervical Blade Kit (SL91049N)
- Radiolucent Anterior Cervical Blade Kit (91049N)

Expanded blade kits offer a larger variety of blade styles and depths.

- S-Lock® Expanded Radiolucent Anterior Cervical Blade Kit (SL91042)
- Expanded Radiolucent Anterior Cervical Blade Kit (91042)

Basic kits and toothed blade kits are also available. See pages 6 & 7 for complete blade selection.

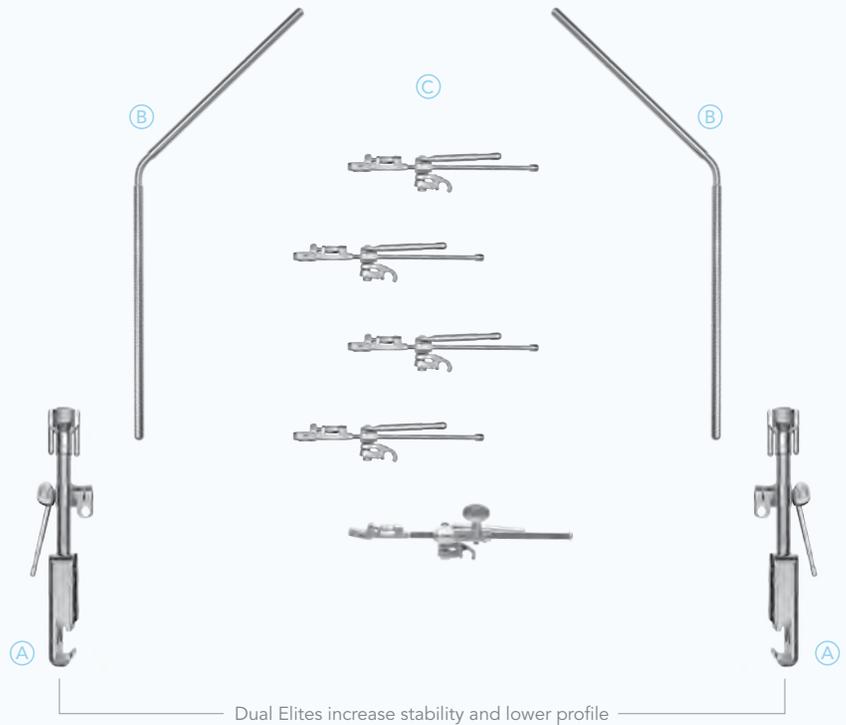
Bilateral Cervical Spine Frame

The Bilateral Cervical Spine Frame allows blades and frame arms to be independently positioned to provide independent, safe retraction of the esophagus, trachea, and nerves. In addition, patented low profile angling retractor handles offer infinite blade positioning and the ability to elevate the longus colli.

The Anterior Cervical Spine Frame is for use with all of the Anterior Cervical Blade Kits on the following pages.

"The anterior cervical blades and frame provide excellent multi-level exposure of the anterior cervical spine."

—RICHARD SAUNDERS, M.D.



LOW PROFILE, DUAL ELITES

Dual 11" Elite II Rail Clamps, our smallest Elites ever, offer a low profile bilateral frame to increase frame stability, increase working space, and reduce frame set up time.

BILATERAL CERVICAL SPINE FRAME

QTY	ITEM DESCRIPTION	Ⓢ S-LOCK PART #	INTERCH. PART #
	Bilateral Cervical Spine Frame	SL90004	90004
Ⓐ 2	Elite II Rail Clamp with 1 Joint 11"	41902ACS	41902ACS
Ⓑ 2	18" Angled Arm (8" x 10" @ 45°)	44118N	44118N
Ⓒ 4	Cam II Clip-on Angling 8"	SL42126WA	42126WA
Ⓓ 1	Micro-Adjustable II Clip-on Angling 7 3/4"	SL45007CA	45007CA
1	Angling Head Wrench	43032	43032
1	Instrument Case 22" x 11" x 3 1/2"	50000G	50000G

Optional Extension Arm 44014LC may be added for additional retraction planes.

Cervical Spine Blade Selection

Thompson Retractor offers a wide variety of cervical blade styles and sizes. From midline blades to micro blades, we offer options for all levels and complexities of cervical exposure. Additionally, many of these blades may be used for posterior lumbar exposure.

The interchangeable radiolucent titanium blades below and to the right are available in our Anterior Cervical Blade Kits or as individual blades. All blades are offered with or without S-Lock® Technology.



RADIOLUCENT CONCAVE BLADES

Ideal for medial and lateral retraction for multi and single level procedures. Concavity helps protect tissue and blunt distal end is less aggressive.*

Blades are available in 35, 40, 45, 50, 55, 60, 65, 70, 75, & 80mm lengths in the Expanded Anterior Cervical Blade Kit and 40, 50, 60, 70, & 80mm in the standard Anterior Cervical Blade Kit.

All blades are 23mm wide.

*Short toothed blades are available for lateral muscle retraction. In most cases, the table mounted frame eliminates the need for teeth.

Cervical Spine Blade Selection *(cont'd)*



RADIOLUCENT MIDLINE BLADES

Midline Blades provide excellent access and visibility under the mandible and when extensive anterior cervical vertebra exposure is needed. Ideal for corpectomies.

Blades are available in left and right configurations (70mm x 83mm) in the Expanded Anterior Cervical Blade Kit and standard Anterior Cervical Blade Kit.

RADIOLUCENT ODONTOID BLADES

Ideal for anterior odontoid access and longitudinal cephalad retraction.

20mm x 90mm available in the Expanded Anterior Cervical Blade Kit.

RADIOLUCENT MALLEABLE BLADES

Ideal for longitudinal cephalad retraction. Malleable design offers versatility.

25mm x 110mm and 13mm x 90mm available in the standard Anterior Cervical Blade Kit.

Thompson Retractor offers a variety of radiolucent blade styles and sizes for anterior cervical access. Please call us at 1.800.227.7543 if you cannot find the blade you are looking for.



RADIOLUCENT CONCAVE TAPERED BLADES

Ideal for medial and lateral retraction for multi and single level procedures. Concavity helps protect the tissue and blunt distal end is less aggressive.*

Blades are available in 40, 45, 50, 55, 60, 65, & 70mm lengths in the Expanded Anterior Cervical Blade Kit and 45mm in the Standard Anterior Cervical Blade Kit.

All blades are 23mm wide at the proximal end and taper down.

*Long toothed blades are available for the medial muscle retraction. In most cases, the table mounted frame eliminates the need for teeth.



RADIOLUCENT MICRO BLADES

Provides excellent exposure for microsurgical level operations. Narrow 14mm width allows for usage in posterior cervical and posterior lumbar microdiscectomy procedures.*

Blades are available in 35, 40, 45, 50, 55, & 60mm lengths in the Expanded Anterior Cervical Blade Kit and 40, 50, & 60mm in the standard Anterior Cervical Blade Kit.

*Short toothed blades are available for lateral muscle retraction. In most cases, the table mounted frame eliminates the need for teeth.



RADIOLUCENT CONCAVE TAPERED BLADES (wide)

Ideal for medial and lateral retraction for multi level procedures. Concavity helps protect the tissue and blunt distal end is less aggressive. May also be utilized for posterior lumbar exposures.*

Blades are available in 50 & 65mm lengths in the standard Anterior Cervical Blade Kit.

Proximal end of blade is 51mm wide and tapers down towards the end.

*Long toothed blades are available for the medial muscle retraction. In most cases, the table mounted frame eliminates the need for teeth.



RADIOLUCENT LONGITUDINAL BLADES

Ideal for longitudinal retraction. Blunt, concave distal end matches vertebral body for better exposure.

Blades are available in 30, 40, 50, 60, & 70mm lengths in the Expanded Anterior Cervical Blade Kit.

All blades are 23mm wide.

All cervical blades are available in S-Lock or non S-Lock.

Expanded Radiolucent Anterior Cervical Blade Kit

Our most comprehensive and complete anterior cervical blade selection includes six blade styles with depths from 35-90mm available in increments of 5mm. The Expanded Anterior Cervical Blade Kit is ideal for single and multi-level ACDF cases. All blades are made from lightweight radiolucent titanium and are available with or without S-Lock® Technology.



EXPANDED RADIO-LUCENT ANTERIOR CERVICAL BLADE KIT

QTY	ITEM DESCRIPTION	Ⓢ S-LOCK PART #*	INTERCH. PART #	QTY	ITEM DESCRIPTION	Ⓢ S-LOCK PART #*	INTERCH. PART #
	Radiolucent Expanded Anterior Cervical Blade Kit	SL91042**	91042	(H)	2 Radiolucent Concave Tapered 23mm x 45mm	SL45645AT	45645AT
2	Radiolucent Concave 23mm x 35mm	SL46312AT	46312AT	2	Radiolucent Concave Tapered 23mm x 50mm	SL45646AT	45646AT
(A)	2 Radiolucent Concave 23mm x 40mm	SL46314AT	46314AT	2	Radiolucent Concave Tapered 23mm x 55mm	SL45647AT	45647AT
2	Radiolucent Concave 23mm x 45mm	SL46316AT	46316AT	2	Radiolucent Concave Tapered 23mm x 60mm	SL45648AT	45648AT
(B)	2 Radiolucent Concave 23mm x 50mm	SL46318AT	46318AT	2	Radiolucent Concave Tapered 23mm x 65mm	SL45649AT	45649AT
2	Radiolucent Concave 23mm x 55mm	SL46320AT	46320AT	2	Radiolucent Concave Tapered 23mm x 70mm	SL45650AT	45650AT
(C)	2 Radiolucent Concave 23mm x 60mm	SL46322AT	46322AT	2	Radiolucent Concave Micro 14mm x 35mm	SL46510AT	46510AT
2	Radiolucent Concave 23mm x 65mm	SL46324AT	46324AT	(I)	2 Radiolucent Concave Micro 14mm x 40mm	SL46512AT	46512AT
(D)	2 Radiolucent Concave 23mm x 70mm	SL46326AT	46326AT	2	Radiolucent Concave Micro 14mm x 45mm	SL46514AT	46514AT
2	Radiolucent Concave 23mm x 75mm	SL46328AT	46328AT	(J)	2 Radiolucent Concave Micro 14mm x 50mm	SL46516AT	46516AT
(E)	2 Radiolucent Concave 23mm x 80mm	SL46330AT	46330AT	2	Radiolucent Concave Micro 14mm x 55mm	SL46518AT	46518AT
2	Radiolucent Concave Longitudinal 23mm x 30mm	SL45160AT	45160AT	(K)	2 Radiolucent Concave Micro 14mm x 60mm	SL46520AT	46520AT
2	Radiolucent Concave Longitudinal 23 mm x 40mm	SL45161AT	45161AT	(L)	1 Radiolucent Midline Right 70mm x 83mm	SL45750AT	45750AT
(G)	2 Radiolucent Concave Longitudinal 23mm x 50mm	SL45162AT	45162AT	(M)	1 Radiolucent Midline Left 70mm x 83mm	SL45751AT	45751AT
2	Radiolucent Concave Longitudinal 23mm x 60mm	SL45163AT	45163AT	(F)	1 Radiolucent Odontoid 20mm x 90mm	SL45666AT	45666AT
2	Radiolucent Concave Longitudinal 23mm x 70mm	SL45164AT	45164AT	(N)	1 Anterior Cervical Depth Gauge	46521	46521
2	Radiolucent Concave Tapered 23mm x 35mm	SL45643AT	45643AT	(O)	1 Instrument Case - Expanded Anterior Cervical	50000EAC	50000EAC
2	Radiolucent Concave Tapered 23mm x 40mm	SL45644AT	45644AT				

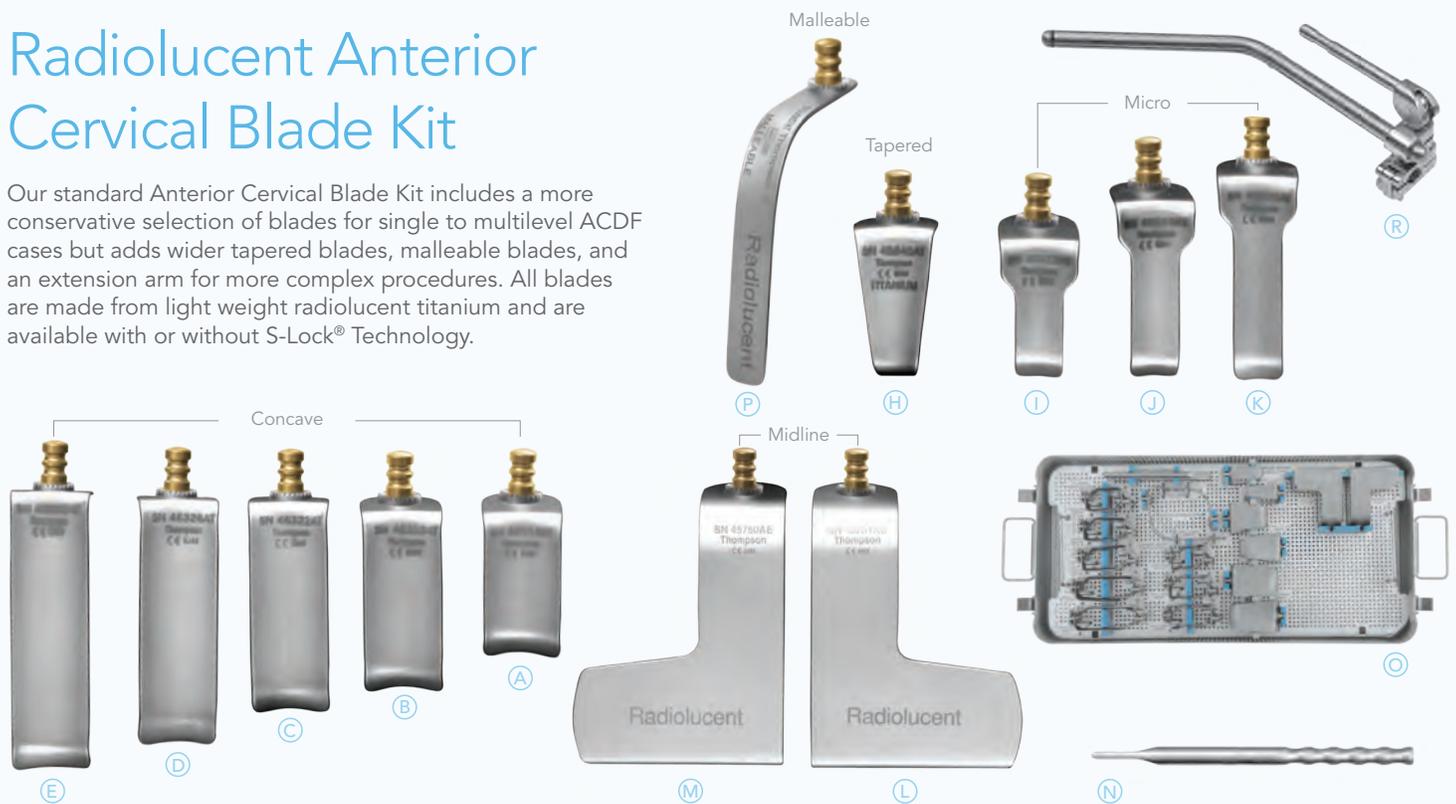
When ordering blades with teeth, specify by adding a "T" to the end of the part #. In most cases, the table mounted frame eliminates the need for teeth.

*S-Lock blades are denoted with an 'SL' before the part number. S-Lock blades are compatible with S-Lock handles ONLY (also denoted with an 'SL' before the part #).

**S-Lock blade kits must only be used with S-Lock Frames.

Radiolucent Anterior Cervical Blade Kit

Our standard Anterior Cervical Blade Kit includes a more conservative selection of blades for single to multilevel ACDF cases but adds wider tapered blades, malleable blades, and an extension arm for more complex procedures. All blades are made from light weight radiolucent titanium and are available with or without S-Lock® Technology.



RADIOLUCENT ANTERIOR CERVICAL BLADE KIT

QTY	ITEM DESCRIPTION	S-LOCK PART #*	INTERCH. PART #
	Radiolucent Anterior Cervical Blade Kit	SL91049N**	91049N
(R) 1	Extension Arm 12" with Latch Cam Joint	44014LC	44014LC
(A) 2	Radiolucent Concave 23mm x 40mm	SL46314AT	46314AT
(B) 2	Radiolucent Concave 23mm x 50mm	SL46318AT	46318AT
(C) 2	Radiolucent Concave 23mm x 60mm	SL46322AT	46322AT
(D) 2	Radiolucent Concave 23mm x 70mm	SL46326AT	46326AT
(E) 2	Radiolucent Concave 23mm x 80mm	SL46330AT	46330AT
2	Radiolucent Concave Tapered 51mm x 50mm	SL45641AT	45641AT
2	Radiolucent Concave Tapered 51mm x 65mm	SL45642AT	45642AT
(H) 2	Radiolucent Concave Tapered 19mm x 45mm	SL45645AT	45645AT
(I) 2	Radiolucent Concave Micro 14mm x 40mm	SL46512AT	46512AT
(J) 2	Radiolucent Concave Micro 14mm x 50mm	SL46516AT	46516AT
(K) 2	Radiolucent Concave Micro 14mm x 60mm	SL46520AT	46520AT
(L) 1	Radiolucent Midline Right 70mm x 83mm	SL45750AT	45750AT
(M) 1	Radiolucent Midline Left 70mm x 83mm	SL45751AT	45751AT
(P) 1	Radiolucent Malleable 25mm x 110mm	SL45656AT	45656AT
1	Radiolucent Malleable 13mm x 90mm	SL45657AT	45657AT
(N) 1	Anterior Cervical Depth Gauge	46521	46521
(O) 1	Instrument Case - Anterior Cervical	50000ACT	50000ACT



S-LOCK® RETRACTOR HANDLES & BLADES
 S-Lock Retractor Handles and Blades allow for precise retractor positioning. In the swivel position, the blade "floats" and aligns on tissue. The locked position eliminates unwanted movement or rotation to ensure stable retraction in any plane. The swivel locking feature is simple and easy to use creating a safer operation with reduced time spent repositioning blades.

OTHER ANTERIOR CERVICAL BLADE KITS

ITEM DESCRIPTION	S-LOCK PART #*	INTERCH. PART #
Basic Radiolucent Anterior Cervical Blade Kit	SL91049BAS	91049BAS
Radiolucent Anterior Cervical Blade Kit with Teeth	SL91031N	91031N

When ordering blades with teeth, specify by adding a "T" to the end of the part #. In most cases, the table mounted frame eliminates the need for teeth.
 *S-Lock blades are denoted with an 'SL' before the part number. S-Lock blades are compatible with S-Lock handles ONLY (also denoted with an 'SL' before the part #).
 **S-Lock blade kits must only be used with S-Lock Frames.



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Patents: US5902233, US5897087, US6017008, US5984865, US7338442, US7749163, US8257255
Other patents pending.

CE0470

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