

Catalog

Delivery Systems and Accessories for the SLT Contact Laser™ System

Combining unsurpassed versatility and control over tissue effect in virtually all surgical specialties

The SLT Contact Laser System is a combination of a versatile general-purpose surgical laser and a family of probes, scalpels and fiber optics. Various geometries and Wavelength Conversion™ effect surface treatments provide multiple therapeutic effects.

- Different probe, scalpel, and fiber tip geometries create different power densities: The greater the power density, the more rapid the tissue response. For instance, a conical scalpel with a 200-micron spot size has a high power density, providing excellent cutting characteristics. On the other hand, a flat probe with a broad diameter has a low power density, providing excellent coagulative effect.

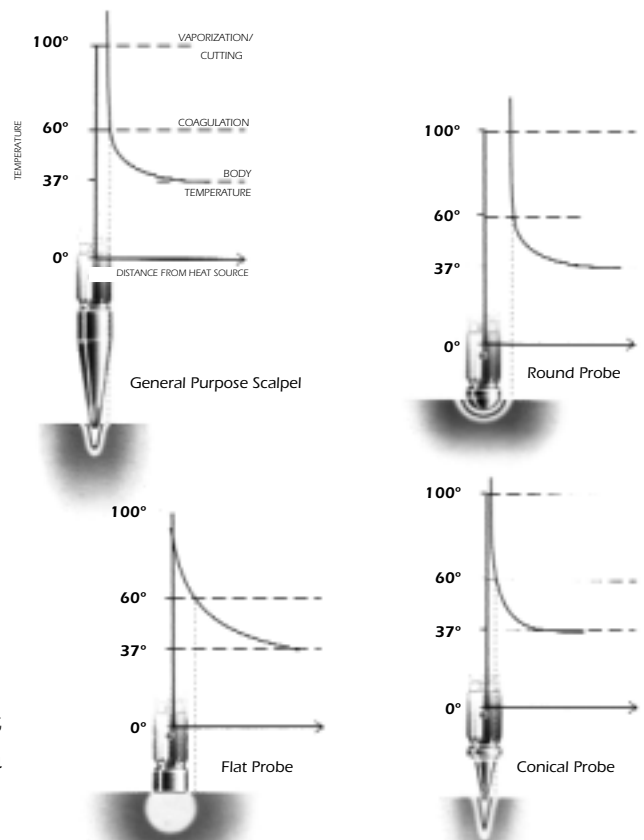
- Wavelength Conversion™ effect technology: Patented infrared (IR) energy absorbing surface treatments on most probes and scalpels create various unique thermal gradients, giving the surgeon control over the temperature profile created in the tissue (and thus control over the tissue effect), independent of laser wavelength, tissue absorption or tissue type.

Probes and scalpels that feature SLT's proprietary Wavelength Conversion™ effect surface treatments can reduce the depth of tissue necrosis to typically less than 0.5 mm, enabling the surgeon to work safely in close proximity to vital structures without the need for a backstop.

Some Contact Laser probes do not incorporate Wavelength Conversion effect surface treatments and are intended for a deeper tissue coagulation.

SLT Contact Laser probes and scalpels provide tactile feedback for more accurate delivery of laser energy. A variety of non-contact, free-beam fibers and probes are also available.

Whether used in a dry field or in a fluid medium, the SLT Contact Laser provides significant benefits compared to conventional modalities and other laser systems in a wide variety of surgical procedures.



Surgical
Laser
Technologies

Contact Laser™ Probes

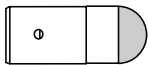

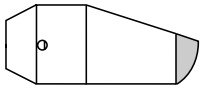
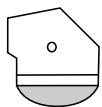

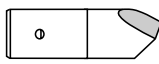
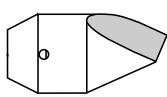
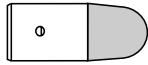
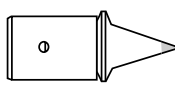
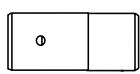
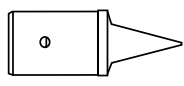

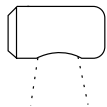
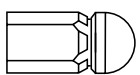
● Shading indicates WCE™ infrared (IR) energy absorbing surface treatment. WCE = Wavelength Conversion™ Effect.

For Use With All Standard SLT Fibers & Handpieces

Probe Diameter (mm)

Probe (Crystal) Length (mm)



For Use With SFE 1.8 & FEF 1.8 Fibers Only (Probe Dia. 1.8mm)



Round Probe		MTR 1.5	2.2	1.3	SMTR 1.5 SMTR 3.5	<i>for general purpose ablation (vaporization) with coagulation, superior ablation on convex surface</i>
		MTR 3.5	2.2	3.0		
		MTRL 3	3.0	3.0		
Large Round Probe		MTRL 6	3.5	3.7		
		MTRL 10	5.0	6.0		
Large Round Probe		MTRL 7	3.5	5.4		
VaporMax Probe		VMAX 4	4.0	1.5		
Hook Probe		HP 1.0	2.2	9.4		<i>for broad cutting with maximum lateral coagulation on inner curvature</i>
Chisel Probe		MD 2.5	2.2	2.5	SMD 2.5 SMD 3.5	<i>for cutting/ablation (vaporization), simultaneous coagulation</i>
		MD 3.5	2.2	3.3		
Large Chisel Probe		MD 6	3.5	3.7		
Bullet Probe		MTRG 1.5	2.2	1.3	SMTRG 2.5	<i>for rapid ablation (vaporization) with coagulation, superior ablation on distal convex surface</i>
		MTRG 2.5	2.2	2.2		
		MTRG 3.5	2.2	2.7		
Conical Probe		MRTP 3	2.2	3.8		<i>for ultra-precise cutting, minimal lateral coagulation</i>
		MRTP 5	2.2	5.8		
Flat Probe		MT 1.5	2.2	1.3	SMT 3.5	<i>for deep coagulation (no WCE*)</i>
		MT 3.5	2.2	3.0		
Interstitial Probe		MRP 5	2.2	5.8		<i>for deep coagulation produced from lateral and distal surfaces (no WCE*, probe radius and tip frosted)</i>
Diffuser Flat Probe		DF 2	2.2	2.5		<i>for diffuse coagulation from end and side surfaces, vaporization at increased powers.</i>
Side-Firing Free-Beam Probe		SFB 1.0	3.2	N/A		<i>for coagulation, non-contact Nd:YAG free-beam at 90° angle of reflection, vaporization at increased powers</i>
Convex Probe		MCX 1.5	2.2	1.5		<i>for transscleral cyclophotocoagulation (no WCE*)</i>

Contact Laser™ Scalpels

For Use With All Standard SLT Fibers & Handpieces Utilizing Gas Coolant

19 mm Scalpel (Crystal) Length	9 mm Scalpel (Crystal) Length	Scalpel Tip Diameter (mm)
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General Purpose Scalpel	ERP 2	GRP 2	0.2	<i>for precise cutting with maximal lateral coagulation</i>
	ERP 4	GRP 4	0.4	
	ERP 6	GRP 6	0.6	
				
ERP Series (19mm scalpel length)	ERP 8	GRP 8	0.8	<i>for broad cutting with maximal lateral coagulation</i>
	ERP 10	GRP 10	1.0	
	ERP 12	GRP 12	1.2	
GRP Series (9mm scalpel length)				
				

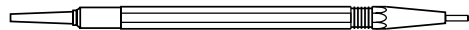
Scalpel	ER 2		0.2	<i>for precise cutting with minimal lateral coagulation</i>
		GR 4	0.4	
		GR 6	0.6	
				
ER Series (19mm scalpel length)	ER 8		0.8	<i>for broad cutting with minimal lateral coagulation</i>
GR Series (9mm scalpel length)				
				

Fibers with Rigid Handpieces

Straight SSRH 5

(1.0 cm shaft length, 2.4 mm O.D.)

SSRH 5-SMA  ¹




Open procedures such as:

- Mastectomy
- Hemorrhoidectomy
- Radical Neck
- Herniorrhaphy
- Removal of Condyloma

SSRH 5L²

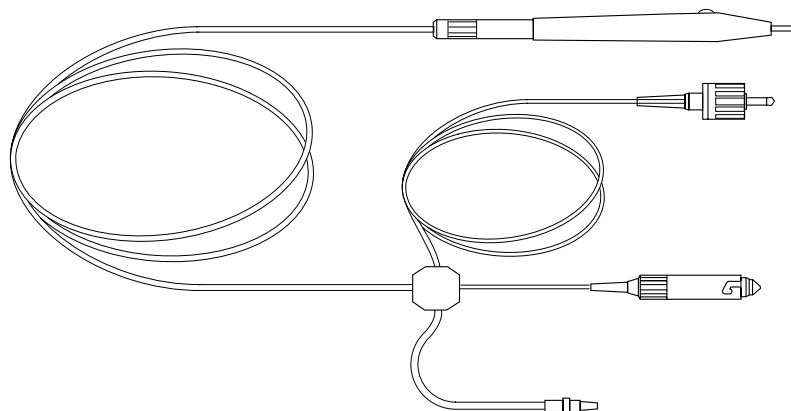
(10 m fiber length)

SSRH 5L-SMA²  ¹

Straight w/Touch Control TCRH 5

TCRH 5

(1.5 cm to 5.5 cm adjustable shaft length, 2.4 mm O.D.)



¹ This product is intended for use with non-SLT lasers having standard SMA 905 connectors; see back cover.

² This product is a "special order" product. Contact SLT Customer Service for anticipated delivery times.

Short Curved

SSRH 7

(5 cm shaft length, 2.4 mm O.D.)

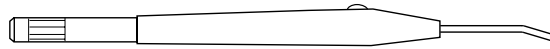
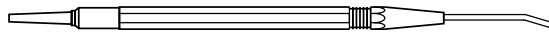
SSRH 7-SMA  ¹

SSRH 7L² (10 m fiber length)

SSRH 7L-SMA²  ¹

**Short Curved w/Touch Control
TCRH 7**

(1.5 cm to 5.5 cm adjustable shaft length, 2.4 mm O.D.)



Open procedures such as:

- Tonsillectomy
- Uvula Palatoplasty
- Hemiglossectomy
- Hemangiomas
- Hemorrhoidectomy
- Condyloma

Long Curved

SSRH 8

(10 cm shaft length, 2.4 mm O.D.)

SSRH 8-SMA²  ¹




Open procedures such as:

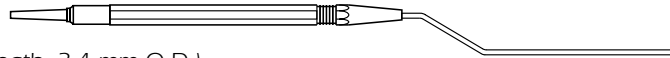
- Cervical Conization
- Hemorrhoidectomy

Bayonet

SSRH 10

(8 cm shaft length, 2.4 mm O.D.)

SSRH 10-SMA²  ¹



Open & Neurosurgical procedures such as:

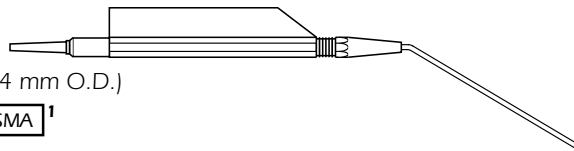
- Hemangiomas (coagulation)
- Tumors

Nasal

SSRH 6

(9 cm shaft length, 2.4 mm O.D.)

SSRH 6-SMA  ¹



Nasal/Endoscopic Sinus procedures such as:

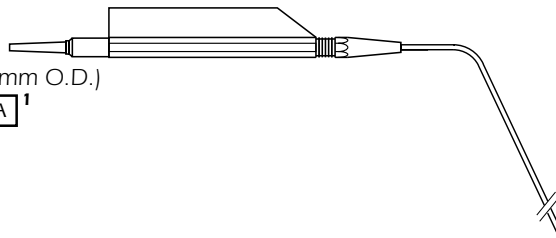
- Turbinectomy
- Polypectomy
- Ethmoidectomy
- Bleeding Disorders

Laryngology

SSRH 4

(28 cm shaft length, 2.4 mm O.D.)

SSRH 4-SMA²  ¹



Laryngeal procedures such as:

- Pharyngeal Lesions
- Arytenoidectomy
- Tracheal Stenosis
- Vocal Cord Tumors and Polyps

Laparoscopy/Endoscopy

SSRH 9 (38 cm shaft length, 2.4 mm O.D.)

SSRH 9-SMA  ¹

SSRH 11 (48 cm shaft length, 2.4 mm O.D.)

SSRH 11-SMA  ¹



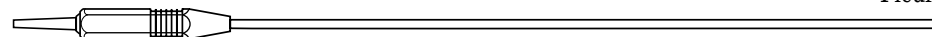
Procedures such as:

- Prostatectomy
- Myomectomy
- Hysterectomy
- Lymphadenectomy
- Vaporization of Endometrial Implants
- Cholecystectomy
- Appendectomy
- Adhesiolysis

Thoracoscopy

TXRH 11² (30 cm shaft length, 3.8 mm O.D.)


TXRH 11-SMA²  ¹

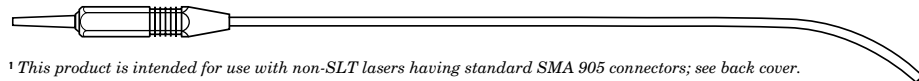


Thoracoscopic procedures such as:

- Pulmonary Resection
- Bullectomy/Blebectomy
- Pleurectomy/Pleurodesis
- Adhesiolysis
- Pericardiectomy

TXRH 13² (30 cm shaft length, 3.8 mm O.D.)

TXRH 13-SMA²  ¹



¹ This product is intended for use with non-SLT lasers having standard SMA 905 connectors; see back cover.

² This product is a "special order" product. Contact SLT Customer Service for anticipated delivery times.

Semi-Rigid Endoscopic Fiber

SREF 15 (0-41 cm adjustable shaft length, 2.9 mm O.D.)

SREF 15-SMA¹ 

SREF 2.5 (0-41 cm adjustable shaft length, 2.5 mm O.D.)

SREF 2.5-SMA¹ 



Endoscopic procedures such as:

- TURP
- Prostatectomy
- TUIP
- Urethral Stricture Release
- Bladder Neck Incision
- Bladder Tumor Vaporization
- Sphincterotomy

Flexible Endoscopic Fibers

Name	Type of Tip	Type of Cooling	WCE Surface Treatment	Fiber Core Diameter (microns)	Fiber O.D. (mm)	Fiber Length (m)	Special Order ² ?
SFE 1.8 ³ SFE 1.8-SMA	Sm. Connector Hub	Fluid	No	600	1.8	3.5	
SFE 2.2 SFE 2.2-SMA	Std. Connector Hub	Fluid	No	600	2.2 (cath) 2.3 (hub)	3.5	
FEF 1.8 ³ FEF 1.8-SMA	Sm. Connector Hub	Gas	No	600	1.8 (cath) 2.0 (hub)	3.5	
FEF 1.8X FEF 1.8X-SMA	Sm. Non-threaded Hub	Gas	No	600	1.8 (cath) 1.8 (hub)	3.5	
FEF 2.2 FEF 2.2-SMA	Std. Connector Hub	Gas	No	600	2.2 (cath) 2.3 (hub)	3.5	
XFEF 2.2 XFEF 2.2-SMA	Std. Connector Hub	Gas	No	600	1.8 (cath) 2.3 (hub)	3.5	
XTSFE 0.4-SMA	Bare Fiber	None	No	400	0.5	3.5	Yes
SFE 0.6 SFE 0.6-SMA	Bare Fiber	None	No	600	1.1	3.5	
SFE 0.6L SFE 0.6L-SMA	Bare Fiber	None	No	600	1.1	10	Yes
XTSFE 0.6-SMA	Bare Fiber	None	No	600	0.8	3.5	Yes
SFE 0.8-SMA	Bare Fiber	None	No	800	1.1	2.5	
CFE 0.6 CFE 0.6-SMA	Conical (0.3mm tip diam.)	None	Yes	600	1.1	3.5	Yes
XTCFE 0.6 XTCFE 0.6-SMA	Conical (0.3mm tip diam.)	None	Yes	600	0.8	3.5	Yes
XTCFE 0.6L XTCFE 0.6L-SMA	Conical (0.3mm tip diam.)	None	Yes	600	0.8	10	Yes
CFE 0.8 CFE 0.8-SMA	Conical (0.4mm tip diam.)	None	Yes	800	1.1	2.5	
CFE 1.0 CFE 1.0-SMA	Conical (0.5mm tip diam.)	None	Yes	1,000	1.4	3.5	Yes
XTOFE 0.4 XTOFE 0.4-SMA	Orb	None	Yes	400	0.5 (fiber) 0.9 (orb)	3.5	Yes
OFE 0.6 OFE 0.6-SMA	Orb	None	Yes	600	1.1 (fiber) 0.8 (orb)	3.5	Yes
OFE 0.6L OFE 0.6L-SMA	Orb	None	Yes	600	1.1 (fiber) 0.8 (orb)	10	Yes
XTOFE 0.6 XTOFE 0.6-SMA	Orb	None	Yes	600	0.8 (fiber) 0.8 (orb)	3.5	Yes
OFE 0.8 OFE 0.8-SMA	Orb	None	Yes	800	1.1 (fiber) 1.0 (orb)	2.5	
OFE 1.0 OFE 1.0-SMA	Orb	None	Yes	1,000	1.4 (fiber) 1.2 (orb)	3.5	Yes

¹ This product is intended for use with non-SLT lasers having standard SMA 905 connectors; see back cover.


² If "yes", then this is a special order product. Contact SLT Customer Service for anticipated delivery times.

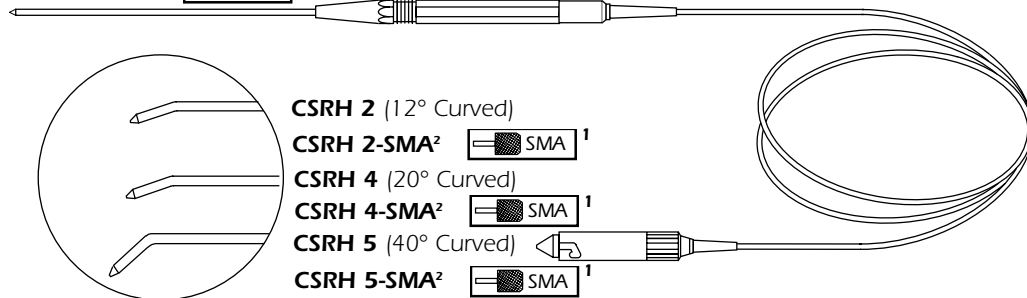
³ For use only with probes with product codes beginning with "S".

Contact ArthroProbe™

Conical Tip for Incision (14 cm length, 2.4 mm O.D.)

CSRH 1 (Straight)

CSRH 1-SMA² ¹



All ArthroProbe products incorporate WCE* infrared (IR) energy absorbing surface treatment.

Arthroscopic procedures such as:

- Meniscectomy
- Synovectomy
- Chondroplasty
- Debridement
- Subacromial Decompression
- Lateral Release
- Plica Release

SLT FiberTact™

Rigid Laparoscopic Handpiece (2.4 mm O.D.)(800 micron core fiber)

Conical Contact Tip

CFRH 9 (38 cm Shaft Length)

CFRH 9-SMA ¹

CFRH 11 (48 cm Shaft Length)

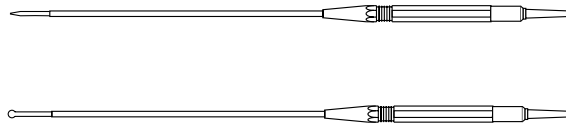
CFRH 11-SMA ¹

Orb Contact Tip

OFRH 9 (38 cm Shaft Length)

OFRH 11 (48 cm Shaft Length)

OFRH 11-SMA ¹



All FiberTact products incorporate WCE* infrared (IR) energy absorbing surface treatment.

Laparoscopic procedures such as:

- Cholecystectomy
- Appendectomy
- Adhesiolysis
- Lymphadenectomy
- Vaporization of Endometrial Implants
- Myomectomy
- Hysterectomy

Reusable FiberProbe™

Paddle Tip

TP 8 (5-10 cm adjustable shaft length, 2.4 mm O.D.)

TP 8-SMA ¹

Conical Tip

TC 8

TC 8-SMA ¹

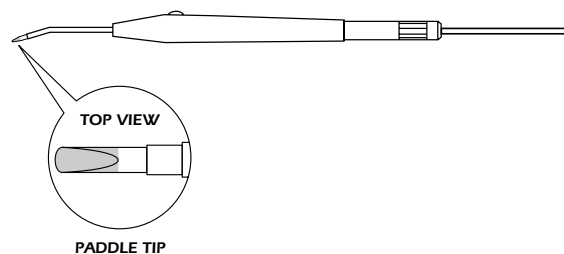
Laparoscopic Handpiece (48 cm shaft length)

SP 11 (paddle tip)

SP 11-SMA ¹

SC 11² (conical tip)

SC 11-SMA² ¹



Reusable FiberProbe products have been validated for five EtO resterilization cycles.

Reusable FiberProbe products incorporate WCE* infrared (IR) energy absorbing surface treatment.

Ophthalmic Sclerostomy Probe

OS 2

200 Micron Tip Diameter

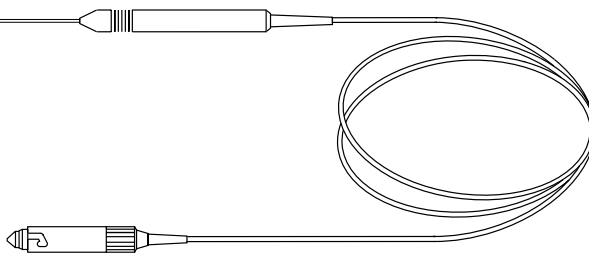
(30 mm length cannula, 0.9 mm O.D.)

OS 3

300 Micron Tip Diameter

(30 mm length cannula, 0.9 mm O.D.)

All Sclerostomy Probe products incorporate WCE* infrared (IR) energy absorbing surface treatment.



Glaucoma Filtration procedures such as:

- Ab Interno Sclerostomy

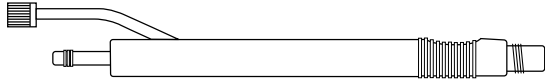
¹ This product is intended for use with non-SLT lasers having standard SMA 905 connectors; see back cover.

² This product is a "special order" product. Contact SLT Customer Service for anticipated delivery times.

Laser Aspiration Handpiece (LAH)

Reusable stainless steel for use with interchangeable laser aspiration wands and flexible endoscopic fiber

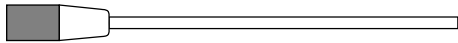
LAH (16 cm length, 1.3 cm O.D.)



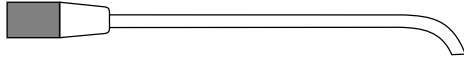
Laser Aspiration Wands (LAW)

Reusable malleable stainless steel, for use with laser aspiration handpiece and flexible endoscopic fiber

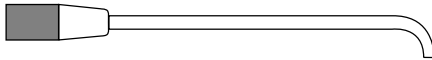
LAW 0° (11.8 cm length, 3.9 mm O.D.)



LAW 60° (11.2 cm length, 3.9 mm O.D.)



LAW 80° (11.2 cm length, 3.9 mm O.D.)



Dual Lumen Laser Aspiration Handpieces

LAH 2 (14 cm length, 3.4 mm width x 6.1 mm height)

LAH 3, 4, 5 (10 cm length, 3.4 mm width x 6.1 mm height)



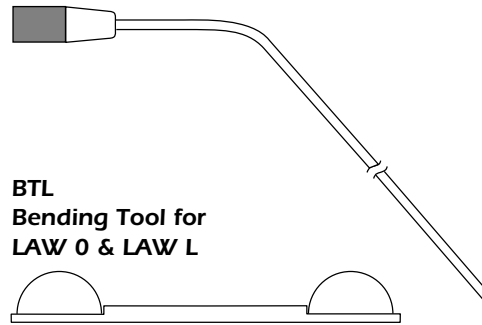
Intra-nasal/endoscopic sinus, oropharyngeal and laryngotracheal procedures requiring smoke and/or fluid evacuation such as:

- Turbinectomy • Ethmoidectomy
- Polypectomy • Bleeding Disorders
- Uvulopalatoplasty

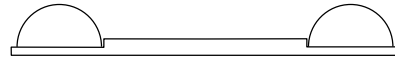
Laryngeal Wand

Developed in conjunction with Univ. of Maryland and Paul Castellanos, M.D.

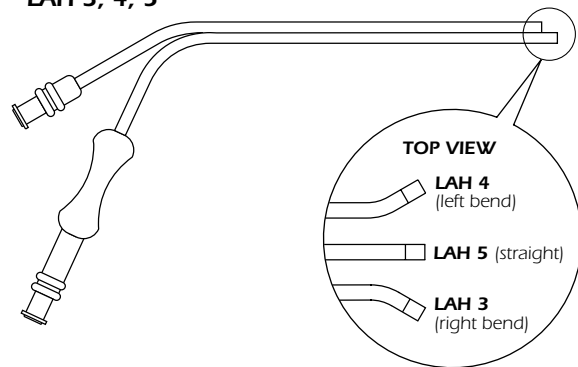
LAW L (23.5 cm length, 3.4 mm O.D.)



BTL Bending Tool for LAW 0 & LAW L



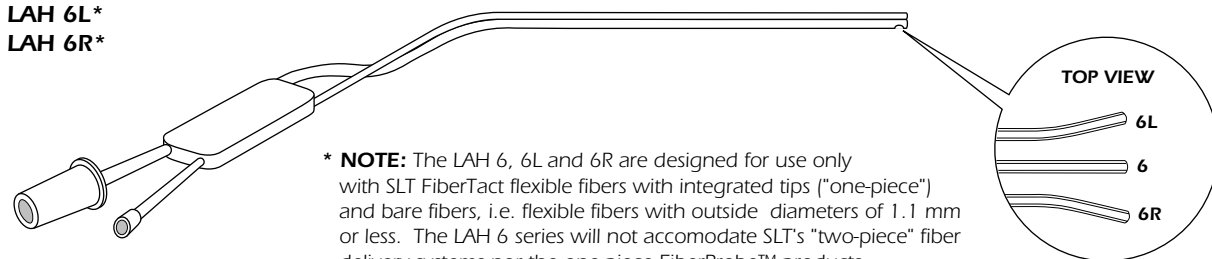
LAH 3, 4, 5



LAH 6* (11 cm length, 2.4 mm width x 4.6 mm height)

LAH 6L*

LAH 6R*



* **NOTE:** The LAH 6, 6L and 6R are designed for use only with SLT FiberTact flexible fibers with integrated tips ("one-piece") and bare fibers, i.e. flexible fibers with outside diameters of 1.1 mm or less. The LAH 6 series will not accommodate SLT's "two-piece" fiber delivery systems nor the one-piece FiberProbe™ products.

