



Get the Shield[™] for Patient Safety



Table of Contents

Why Shielded AEM [®] Instruments and Monitors
AEM [®] Shield+ [™] ENT Ablator
AEM [®] Shield+™ ENT Ablator6
AEM® Shield™ Monopolar Laparoscopic Instruments
AEM [®] Burn Protection Systems
AEM EndoShield [®] 2 Burn Protection System
EM3+ AEM [®] Monitor10
AEM [®] Shield [™] Laparoscopic Instruments
AEM enTouch [®] Handles11
AEM enTouch [®] Graspers & Dissectors12
AEM e·Edge [®] Disposable Scissors18
AEM [®] Reusable Scissors19
AEM enTouch® 2x Scissors
Encision® Disposable Sheath21
AEM [®] Shield [™] Reusable Foot-Control Electrodes
AEM [®] Shield [™] + Disposable Foot-Control Electrodes
AEM [®] Shield [™] Disposable Hand-Control Electrodes
AEM [®] Shield [™] Reusable Foot-Control Suction-Irrigation Electrodes26
Ripolar Lanarosconic Instrumonts

Bipolar Laparoscopic instruments

Standard Bipolar Laparoscopic Instruments	. 29
Power-grip Laparoscopic Instruments	31

e·Access™ Slide-Lock Handles and Graspers32)
Precision Ratchet-Lock Handles and Graspers)
References 45	

AEM[®] Shield[™] Instruments Can Increase Patient Safety and Reduce O.R. Expenses.



FDA Issued a Safety Communication on the Dangers of Monopolar Laparoscopic Surgery.¹



Patient Injuries from Capacitive Energy and Intra-Operative Insulation Failure

"Monopolar Energy Use Can Directly Result in Unintended Patient Burns from Capacitive Coupling and Intra-Operative Insulation Failure."

Complication Rates

GENERAL SURGERY

Laparoscopic surgical burns kill 1-2 people every day and cause a serious complication every 90 minutes.^{4, 9-14}

GYNECOLOGY SURGERY				
Іпјигу Туре	Estimated Complication Rate from Stray Energy Burns ¹⁻⁴			
Ureter	1 in 120 procedures to 1 in 70 procedures			
Bladder	1 in 1000 procedures to 1 in 25 procedures			
Bowel	1 in 400 procedures to 1 in 60 procedures			

ESU Power Settings of less than 10 W can cause a full thickness bowel injury from stray energy.²⁰



Instrumentation Insulation-Failure Rates^{5,6}

1 in 5 reusables1 in 33 disposables

Capacitive Coupling^{7,8}

In every surgery, a capacitor is created between the monopolar laparoscopic instrument and the patient. This leads to stray energy being coupled to the patient through intact insulation, causing internal burns.

Improve Patient Safety with AEM[®] Shield[™] Instruments.

Active Electrode Monitoring (AEM[®]) Instruments incorporate a layered design unique in the industry. They are shielded and monitored to eliminate stray energy burns, along the shaft of the monopolar instrument. Stray energy burns are caused by intra-operative insulation failure and capacitive coupling, a well-documented patient safety risk that the FDA has warned about. These burns cause a patient injury every 90 minutes and kill 1–2 people per day in the USA.

It's not the technique, it's the technology.

The protective shield built into all AEM[®] Instrumentation provides an electrical return path for capacitive energy and protection from intra-operative insulation failure. Additionally, the integrity of the instrument is continuously monitored during surgery, ensuring patients are always safe from stray energy burns, caused by both intra-operative insulation failure and capacitive coupling... guaranteed!

Outer Insulation

Protective Electrical Shield

Primary, Inner Insulation

Active Electrode

The AORN Electrosurgical Safety Guideline recommends to "use an Active Electrode Monitoring (AEM®) and Shielding Device" during Minimally Invasive Surgery.²⁴

AEM[®] Shield+[™] ENT Ablator

Perioral Burns Occur

- 60% of ENT surgeons have had an electrosurgical perioral burn during a T&A procedure.²⁷
- Perioral burns to the mouth and lips occur several times per day in the USA.²⁷
- Perioral burns are an underreported complication of T&A procedures that can result in severe long-term morbidity.²⁷
- AEM[®] Shield[™] Technology mitigates these burns, from holes in the insulation and radiant energy, when using monopolar energy.





AEM[®] Shield+[™] ENT Ablator

Drive Patient Safety -

Mitigates potential perioral injuries*

Deliver Clinical Performance -

Provide fast, reliable RF hemostasis for T&A procedures

Reduce OR Expenses -

Deliver new levels of clinical efficiency and economy

		Product Description		Catalog Number	F/G quantity
		Reposable	AEM EndoShield® 2 Burn Protection System	EM200	5
Disp		Disposable	AEM [®] Burn Protection System Cable	ES6107+	25
<u> </u>		Disposable	AEM® Shield+™ ENT Ablator	ES6100+	10

*Shield™+ ENT Ablator optimizes delivery of RF energy by mitigating potential perioral injuries and delivering desired outcomes fast and economically. AEM[®] Shield Technology diverts harmful stray energy from the patient while delivering reliable RF hemostasis with speed and economy.

New Technology is on the way, but is not yet 510k cleared for sale in the USA.

AEM[®] Shield+[™] ENT Ablator vs. Controlled Ablation Technology

	Shield+ [™] ENT Ablator	Controlled Ablation Technology
SPEED	17.4 ± 4.8 minutes ²⁸	28.6 ± 3.3 minutes ²⁸
Operative Time for Topsilloctomies	39% faster than Controlled Ablation Technology	64% longer than Monopolar
TOTISTICCTOTILES	If you are used to doing 10 Controlled Ablation you could do 16 monopolar procedures in the with the Shield+ ENT Ablator.	on Technology procedures in one day, e same amount of operative time
PERIORAL BURNS Patient burns tp the face, lips and mouth	Mitigates the risk of perioral burns from insulation failure, radiant RF energy, or a hot instrument shaft. Improved Safety Profile, while providing efficacious, inexpensive, fast RF energy.	Can cause perioral burns from direct heat transfer of the device shaft. ^{29,31} 60% of ENT surgeons have had an electrosurgical perioral burn during a T&A procedure. Perioral burns to the mouth and lips occur several times per day in the USA. ²⁹ Just 1 patient burn can lead to substantial lost revenue from patient reviews, lost of trust for referrals, medico-legal risks, and corrective surgery.
COST Price Per Procedure	Save ~\$100 per procedure compared to alternate technologies, while providing efficacious RF energy. Significantly faster procedural times than Controlled Ablation Technology. ²⁸	High at \$220+ per procedure. Slower operative times reduce daily caseload, directly impacting clinic revenue. ²⁸
PAIN	No clinically significant difference in postoperative pain is observed between Monopolar and Controlled Ablation Technology on days 3 or 7. ^{28,30}	Postoperative pain on days 1 and 2 may be slightly lower with Controlled Ablation Technology, but the difference is not clinically significant, as patients still experience substantial pain with both Controlled Ablation Technology and monopolar techniques. ^{28,30}
RISK OF REBLEED	38 out of 1000 patients have a risk of a rebleed, following day 1 of the procedure when using RF energy. ³⁰	Controlled Ablation Technology increases the risk of rebleeding by 38% compared to monopolar RF energy. 50 out of 1000 patients have a risk of a rebleed, following day 1 of the procedure. ³⁰
RISK OF TONSIL REGROWTH	Nearly 0% when using extracapsular tonsillectomy technique, consistent with near-complete tissue removal using techniques. ³²	An average of 3.2% when using intracapsu- lar tonsillectomy technique, with variations depending on technique and the extent of tonsillar tissue left intact. ³²

AEM® Burn Protection Systems





Eliminates stray energy burns during laparoscopy...guaranteed!

- Intuitive plug-n-play design works seamlessly with popular ESUs
- Available as a multiuse reposable with disposable cable, providing optimal cost savings and convenience
- Works with Encision's entire suite of foot-controlled AEM[®] monopolar instruments, with over 100 style choices
- Reduce complications and readmissions from stray energy burns
- 100% indemnity guarantee against stray energy burns



	Product Description		Catalog Number	F/G quantity
	Reposable	AEM EndoShield® 2 Burn Protection System	EM200	5
0	Disposable	AEM [®] Burn Protection System Cable	ES5107	25
	Disposable	AEM® Burn Protection System Cable	ES6107+	25
	Reusable	Adapter for use with ConMed® ESU	ES9007	1
-	Reusable	Adapter for use with Olympus® ESU	ES9008	1

AEM® Burn Protection Systems



Eliminates stray energy burns during laparoscopy... guaranteed!

- Integrated hand-control and foot-control for use with any style of AEM instrument
- Reusable monitor Reduces OR waste
- Capital option, providing the lowest cost per procedure
- Compatible with popular ESUs



	Product Description		Catalog Number	F/G quantity
	Reusable	AEM [®] EM3 Monitor	EM3+	1
	Reusable	EM3 monopolar adapter	EM3-60+	1
	Reusable	EM3 bipolar adapter	BP9004+	1
	Disposable	AEM [®] Burn Protection System Cable	ES5107	25
	Disposable	AEM [®] Burn Protection System Cable	ES6107+	25
	Reusable	Adapter for use with ConMed® ESU	ES9007	1
-	Reusable	Adapter for use with with Olympus® ESU	ES9008	1

AEM enTouch® Handles



PRODUCT HIGHLIGHTS

- Direct-drive handle provides tactile feedback, for masterful control of tissue manipulation
- Advanced, light-weight, polymer handle designed to reduce hand fatigue
- 7:1 mechanical advantage for sure gripping during procedures
- Reduces complications and readmissions by eliminating stray energy burns
- Backed by Encision's 100% indemnity guarantee

ES8000 Series Handles

ES8200 Series Handles



The ES8000 Series is a reusable handle and is the preferred handle for use with scissors inserts.



The ES8200 Series is a reusable handle that has an indexing (12 positions/revolution) and locking rotation knob that allows the surgeon to maintain a firm grip on the instrument. The shaft and the rotation knob lock in rotational position when trigger is squeezed. It is the preferred handle for use with graspers and dissectors.

Reusable handles for use with reusable and disposable articulating inserts.

landles	Cata	log #
	35cm	45cm
AEM enTouch® Handle	ES8000	ES8000L
AEM enTouch® Handle	ES8000H	ES8000HL
AEM enTouch® Handle with Indexing and Locking	ES8200	ES8200L
AEM enTouch® Handle with Indexing and Locking	ES8200H	ES8200HL

ERGONOMICS AEM® CUSTOMIZATION BIPOLAR INNOVATION PRECISION LAPAROSCOPIC EXPANDED DISTRIBUTION

AEM enTouch[®] handles are designed to accommodate advanced laparoscopic procedures. These handle assemblies are subjected to increased torque by surgeons while manipulating tissues during laparoscopic procedures. The stiff shaft of the handles has been designed to not bend or deform easily under these strenuous use conditions.



AEM enTouch[®] Reusable Graspers and Dissectors



PRODUCT HIGHLIGHTS

- Available in a wide variety of tip styles and lengths, ensuring the right instrument for the most demanding surgical technique
- Enhanced stability and comfort for masterful control
- Precision energy delivery with AEM® Burn Protection Technology
- Reduce complications and readmissions by eliminating stray energy burns
- 100% indemnity guarantee from stray energy burns



CONTACT ENCISION TODAY TO FIND AN OPTIMAL TIP STYLE OR TO SCHEDULE A FREE CLINICAL EVALUATION

REUSABLE DISSECTOR AND GRASPER INSERTS

Tip Styles		law Longth	Catalog #	
5mm (unless noted otherwise)		Jaw Length	35cm	45cm
	Right Angle Dis	ssector 18mm	ES0004	
	Tapered Right / Dissector	Angle 19mm	ES0008	
ENCISION	Blunt Nose Gra	asper 13mm	ES0009	ES0009-45

Tip Styles		low Longth	Catal	og #
5mm (unless noted otherwise)		Jaw Length	35cm	45cm
	Short Right Angle Dissector	11mm	ES0011	
	Bottle Nose Grasper	13mm	ES0012	
	Bullet Nose Grasper	13mm	ES0013	
	Fine Tooth Fenestrated Grasper	11mm	ES0014	
	Curved Maryland Dissector	17mm	ES0501	ES0501-45
Concision	90° Grasper	20mm	ES0506	
	Fenestrated Grasping Forceps	19mm	ES0507	
	Round Nose Grasper	12mm	ES0508	
	Pointed Nose Grasper	14mm	ES0509	

Tip Styles		law Loa ath	Catalog #	
5mm (unless noted otherwise)		Jaw Length	35cm	45cm
	Petelin Dissector	9mm Single Action	ES0510	
	Dolphin Nose Grasper	17mm	ES0511	
	Long Dolphin Nose Grasper	23mm	ES0512	
	Straight Dissector	20mm	ES0513	
	Standard Grasper	13mm	ES0514	
	Bowel Grasper	41mm	ES0521	ES0521-45
	Fenestrated Bowel Grasper	39mm	ES0522	ES0522-45
ENGSLON	Tapered Maryland Dissector	17mm	ES0526	ES0526-45
	Strong Curved Maryland, 7-8mm	19mm	ES0533	

Tip Styles			Cata	log #	
5mm (unless noted otherw	vise)			35cm	45cm
ALLELLA CONTRACTOR	Wenne -	Endo Cinch Extreme Atraumatic Serrated	20mm	ES0535	
encision	ENCINON	Wave Grasper	24mm	ES0537	ES0537-45
Accommission		Mixter Clamp, 90° Long	26mm	ES0538	
Encision		Kelly Forceps	16mm	ES0541	ES0541-45
VENCISION	EMERICO	Maxi Grasper	20mm	ES0543	ES0543-45
Antonio		Maryland Dissector, Diamond Serrations	17mm	ES0547	
ENCISION		Dissecting Forceps, Right Angled	18mm	ES0548	
encision	"In the second second	Maryland Dissector, Aggressive	17mm	ES0549	
		Dissecting Forceps, Right Angled, Cross Serrated	18mm	ES0552	

Tip Styles		Jaw Length	Cata	alog #
Sinni (unless noted otherwise)		j	35CM	45CM
	Straight Micro-Grasper	11mm	ES0553	
	Micro-Fenestrated Grasper	10mm	ES0557	
transa preserve	Tapered Micro- Fenestrated Grasper	10mm	ES0558	
	Right Angle Dissector, 7mm, Diagonal Serrations	18mm	ES0559	
	Maryland Dissector with 90° Tooth	19mm	ES0565	
	Tapered Maryland Dissector	17mm	ES0566	
	Insert, Atraumatic Grasper (Single Action)	30mm	ES0570	ES0570-45
	Insert, Traumatic Grasper	30mm	ES0571	ES0571-45
1	Insert, Traumatic Grasper (Single Action)	30mm	ES0573	ES0573-45
	Insert, Fenestrated Bowel Grasper	30mm	ES0574	ES0574-45
	Beveled Maryland Dissector	17mm	ES0586	ES0586-45

AEM e-Edge® Disposable Scissors



Standard Scissors - often push tissue before cutting.

e•Edge Scissors – micro-serrations deliver precision cutting every time



C H

Super sharp and exceptionally responsive, e•Edge® laparoscopic scissors provide optimal performance to surgeons. Featuring:

- e•Edge[®] micro-serrated blades "grip" tissue
- Direct-drive enTouch® handle provides tactile feedback
- AEM[®] Burn Protection minimizes surgical complications
- Works with Encision's disposable sheath, to precisely control energy delivery at the tip

What Some of Our Customers Are Saying...

"There is no comparison."

"You guys knocked this out of the park."

"I switched to Encision's scissors and finished the case in half the time."

"These scissors are sharp! I love the pop when cutting tissue with the tip."

Compatible with reusable enTouch[®] handles.

Tip Styles		law Length	Catalog #		
5mm (Box of 10)			Jaw Length	35cm	45cm
		AEM Disposable Curved Scissors, ½″	11mm	ES0101	ES0101-45
		AEM Disposable Curved Scissors, ¾″	17mm	ES0102	ES0102-45
3	2	Hook Scissors	8mm Single Action	ES0110	
		Scissors, ¾, Low Profile	18mm	ES0120	

AEM® Reusable Scissors

PRODUCT BENEFITS

- Works with AEM enTouch[®] Handles
- Available in a wide variety of tip styles, ensuring the right instrument for the most demanding surgical technique
- Works with Encision's disposable sheath, to precisely control energy delivery at the tip
- Reduce complications and readmissions by eliminating stray energy burns
- 100% indemnity guarantee from stray energy burns

Tip Styles 5mm		Longth	Catalog #		
		Length	35cm	45cm	
		Curved Scissors, ½″	10mm	ES0001	ES0001-45
		Curved Scissors, ¾″	17mm	ES0002	ES0002-45
		Hook Scissors	9mm Single Action	ES0010	

5.20

AEM enTouch[®] Reposable 2x Scissors



Super sharp and exceptionally responsive, AEM enTouch[®] Reposable 2x Scissors provides new levels of performance while reducing cost and waste.

FEATURES INCLUDE:

- Provides an exceptional surgical experience with micro-serrated blades and direct-drive AEM enTouch[®] Handle.
- Reduces OR expenses with multi-use insert and low cost per-procedure AEM[®] Instrumentation.
- Reduces OR waste utilizing a dramatic color indicators that shows when it's time for a new scissors (after 2 uses).
- Improves Patient Safety with Shielded AEM[®] Instruments, eliminating stray energy burns to patients.²⁴⁻²⁶

Standard Scissors – often push tissue before cutting. AEM enTouch® 2X Scissors – micro-serrations provide precision cutting every time!



Compatible with reusable enTouch[®] handles.

Tip Styles		Catalog #		
5mm (Box of 10)			35cm	45cm
		½″ AEM enTouch® Reposable 2x Scissors	ES0201	ES0201-45
		³ ⁄4″ AEM enTouch® Reposable 2x Scissors	ES0202	ES0202-45

Encision[®] Disposable Sheath

Disposable sheath is for use with AEM enTouch® Handles and Inserts

- Fits over scissors and grasper inserts to control the area of exposed metal at the tip, allowing precise energy delivery
- Disposable sheaths available 10 per box



Sheath		Outside Diameter	Cata	log #
	Disposable Sheath (Box of 10)	5.5mm	ES0150A	ES0150-45

AEM[®] Shield[™] Reusable Foot-Control Electrodes



PRODUCT HIGHLIGHTS

- Available in a wide variety of tip styles, ensuring the right instrument for the most demanding surgical technique
- Enhanced stability and comfort for masterful control
- Precision energy delivery with AEM® Burn Protection Technology
- Reduce complications and readmissions by eliminating stray energy burns
- 100% indemnity guarantee from stray energy burns

CONTACT ENCISION TODAY TO FIND AN OPTIMAL TIP STYLE OR TO SCHEDULE A FREE CLINICAL EVALUATION



5mm	Tip Styles	Instrument Length	Catalog # 35cm
	Spatula	35cm	ES3501B
	Ball Tip	35cm	ES3504B
	Flat J-Hook	35cm	ES3509B
	J-Hook	35cm	ES3510B
	L-Diamond	35cm	ES3511B
	L-Wedge	35cm	ES3512B
	L-Hook	35cm	ES3513B
	Square-L	35cm	ES3514B
	Button Tip	35cm	ES3520B
	Needle Tip	35cm	ES3521B

AEM[®] Shield+[™] Disposable Foot-Control Electrodes



PRODUCT HIGHLIGHTS

- Available in a wide variety of tip styles and lengths, ensuring the right instrument for the most demanding surgical technique
- Surgeon-designed ergonomic handle provides enhanced stability and control
- Precision energy delivery with AEM® Burn Protection Technology
- Reduce complications and readmissions by eliminating stray energy burns
- 100% indemnity guarantee from stray energy burns

Tip Styles		Cata	alog #
5mm (Box of 10)		35cm	45cm
	Spatula	FC0301+	FC0301-45+
	J-Hook	FC0310+	FC0310-45+
	L-Diamond	FC0311+	FC0311-45+

AEM[®] Shield+[™] Disposable Hand-Control Electrodes



PRODUCT HIGHLIGHTS

- Available in a wide variety of tip styles and lengths, ensuring the right instrument for the most demanding surgical technique
- Enhanced stability and comfort for masterful control
- Precision energy delivery with AEM® **Burn Protection Technology**
- Reduce complications and readmissions by eliminating stray energy burns
- 100% indemnity guarantee from stray energy burns

CONTACT ENCISION TODAY TO FIND AN OPTIMAL TIP STYLE OR TO SCHEDULE A FREE CLINICAL EVALUATION

AEM[®] Shield+[™] Disposable Hand-Control Electrodes



AEM® DISPOSABLE HAND-CONTROL HANDPIECE

Tip Styles <i>(Box of 25)</i>		Catalog #	
Han O	AEM [®] Shield+™ Disposable Hand-control Handpiece with Rocker Switch	ES1300	
(Free			
	1111		

AEM[®] Shield[™] Reusable Foot-Control Suction-Irrigation Electrodes



PRODUCT HIGHLIGHTS

- Suction and irrigation combined with advanced AEM® monopolar energy, for masterful control of tissue manipulation
- Available in a wide variety of tips and adapter styles, ensuring the right instrument for the most demanding surgical technique
- Reduce complications and readmissions by eliminating stray energy burns
- 100% indemnity guarantee from stray energy burns

CONTACT ENCISION TODAY TO FIND AN OPTIMAL TIP STYLE OR TO SCHEDULE A FREE CLINICAL EVALUATION



*Note: The EM3 AEM® Monitor is also compatible for use with AEM® Instruments

AEM[®] Shield[™] Reusable Foot-Control Suction-Irrigation Electrodes

Tip Styles		Catalog #
5mm		35cm
	L-Diamond	ES3771
	Spatula	ES3772
	L-Hook	ES3773
<u></u>	J-hook	ES3774
	Replacement Sheath	01295-001

AEM[®] Shield[™] Reusable Foot-Control Suction-Irrigation Adapters

	Permanent or Removable	Catalog # 35cm
Stryker Adapter (included with each electrode)	Permanent	N/A
Bard-Davol Adapter	Permanent	ES3710
Bard-Davol Adapter	Removable	ES3810
Applied Adapter	Removable	ES3850

Standard Bipolar Laparoscopic Instruments

CONTACT ENCISION TODAY TO FIND AN OPTIMAL TIP STYLE OR TO SCHEDULE A FREE CLINICAL EVALUATION

PRODUCT HIGHLIGHTS

- Reusable bipolar instruments work with disposable cords, providing the best performance and value for your facility
- Jaw mechanism allows for precise articulation and position of the bipolar electrode paddle endpoints
- Locking handle feature allows for easy insertion and removal of forceps through trocar cannula
- Bipolar electrode paddles rotate to accommodate easier target application
- Smooth handle operation provides for an optimal tactile feel and mechanical advantage
- Bipolar handle assembly accepts both 35cm and 45cm insert and tube lengths resulting in a significant cost savings
- Modular instruments facilitate ease of assembly and cleaning
- Electrode inserts can be interchanged in the sterile field
- Molded cord connector prevents the bipolar cord from improper connection into monopolar receptacle

HOW TO ORDER



Bipolar Laparoscopic Instruments

REUSABLE HANDLE ASSEMBLY			Catalog #	
			45cm	
Modular Bipolar Handle with Lock	BP7200L			
Bipolar Instrument Tube Assembly		BP7250	BP7250-45	

REUSABLE BIPOLAR INSERTS		Catalog #		
		35cm	45cm	
	Bipolar Kleppinger Forceps	BP7301	BP7301-45	
	Bipolar Hirsch Style Forceps	BP7302		

REUSABLE BIPOLAR INSTRUMENT CORDS

Cords		Catalog #
	Bipolar Instrument Cord, Covidien/Valleylab	BP4200V

PowerGrip Bipolar Laparoscopic Instruments

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PRODUCT HIGHLIGHTS

- PowerGrip bipolar laparoscopic instruments facilitate precise dissecting, grasping, cutting and coagulation
- The PowerGrip bipolar handles and inserts are reusable
- Jaw mechanism enables adjustable opening and closing of the jaws with very high pressure while grasping and cutting
- Smooth handle operation provides for an optimal tactile feel and mechanical advantage
- Instrument jaws are insulated to the end of the grasping and cutting zone in order to avoid unintentional coagulation
- Rotation knob allows electrode insert to be rotated up to 360° with the forefinger
- Modular instruments facilitate ease of assembly and cleaning

REUSABLE POWERGRIP HANDLE ASSEMBLY

Handle Assembly			Cata	alog #
nandle Assembly			34cm	45cm
	PowerGrip Handle, 2-Pin	BP7500		
	PowerGrip Shaft		BP7550	BP7550-45

REUSABLE POWERGRIP BIPOLAR INSERTS

		Catal	og #
lip Style		34cm	45cm
	Bipolar Forceps	BP7601	BP7601-45



Precision Ratchet-Lock Handles and Graspers



PRODUCT HIGHLIGHTS

- Ergonomic, ratcheted handle for precision tissue manipulation
- Integral flush ports can pass a high volume of liquid through the shaft to more effectively remove gross debris prior to sterilization
- A wide variety of tip configurations available in both standard and bariatric lengths

ENCISION

• Available in both 5mm and 10mm diameter shafts

5MM DISSECTORS AND GRAS	PERS	Jaw Length	1	
Tip Styles		law Length	Ca	talog #
5mm (unless noted otherwise)		Johr Length	32cm	45cm
	Curved Maryland	17mm	ES0501RR	ES0501-45RR
	Curved Dissecting Forceps	19mm	EP3110RR	EP3110-45RR
	Curved Maryland Dissector	23mm	EP3410RR	EP3410-45RR
	Maryland with Cross Serrations	19mm	EP3780RR	EP3780-45RR
	Short Curved Dissecting Forceps	13mm	EP3120RR	EP3120-45RR

5MM DISSECTORS AND GRASPERS			ENCISION		
Tip Styles		law Longth	Catalog #		
5mm (unless noted otherwise)		Jaw Lengui	32cm	45cm	
	Heavy Curved Dissector	11mm	EP3620RR	EP3620-45RR	
att att and a second at a s	Medium Curved Dissector	17mm	EP3650RR	EP3650-45RR	
	Petrovich Curved Dissector	14mm	EP3760RR	EP3760-45RR	
	Cross Serrated Forceps, Right Angle	12mm	EP3170RR	EP3170-45RR	
dominantin Encision	Mixter Clamp, 90° Long	19mm	ES0538RR	ES0538-45RR	
The second se	Flat Dissector	13mm	EP3550RR	EP3550-45RR	
	Micro Dissecting Forceps	13mm	EP3290RR	EP3290-45RR	

5MM DISSECTORS AND GRAS	PERS	Jaw Length	ENCISION	
Tip Styles 5mm (unless noted otherwise)		Jaw Length	Cata 32cm	alog # 45cm
200-	Mini-Micro Dissecting Forceps	12mm	EP3490RR	EP3490-45RR
	St. Joseph Dissecting Forceps	12mm	EP3730RR	EP3730-45RR
	Bullet Nose Grasper	12mm	EP3090RR	EP3090-45RR
	Dolphin Nose Grasping Forceps	13mm	EP3420RR	EP3420-45RR
	Straight Dissector	23mm	EP3150RR	EP3150-45RR
	Straight Mini Dissector	10mm	EP3160RR	EP3160-45RR
	Micro Dolphin Dissecting Forceps	11mm	EP3200RR	EP3200-45RR

		ENCISION				
SMM DISSECIORS AND GRAS	PEKS	Jaw Length				
Tip Styles		Jaw Length	Cata	Catalog #		
5mm (unless noted otherwise)		, ,	32cm	45cm		
	Long Dolphin Nose Grasper	16mm	EP3310RR	EP3310-45RR		
antilling	Delicate Cone Dissector	11mm	EP3190RR	EP3190-45RR		
	Micro Dolphin Dissector with Cup	12mm	EP3430RR	EP3430-45RR		
	Duckbill Forceps	10mm	EP3140RR	EP3140-45RR		
Erretanon	Standard Grasper	13mm	ES0514RR	ES0514-45RR		
ENGISION	Round Nose Grasper	12mm	ES0508RR	ES0508-45RR		
	Long Grasping Forceps	19mm	EP3370RR	EP3370-45RR		

			ENCISION	
5MM DISSECTORS AND GRASE	PERS	Jaw Length	I	
Tip Styles		law Length	Cat	talog #
5mm (unless noted otherwise)		,	32cm	45cm
	Wave Jaw Grasping Forceps	13mm	EP3340RR	EP3340-45RR
	Tenaculum	23mm	EP3640RR	EP3640-45RR
	Biopsy Forceps with Two Teeth	11mm Single Action	EP3220RR	EP3220-45RR
ENCISION	Maxi Grasper	16mm	ES0543RR	ES0543-45RR
TANALASA ENCISION	Endo Cinch Extreme Atraumatic	22mm	ES0535RR	ES0535-45RR
ENCISION	Wave Grasper	22mm	ES0537RR	ES0537-45RR
	Atraumatic Grasper, S/A	22mm Single Action	EP3460RR	EP3460-45RR

AEM[®] Shield+[™] ENT Ablator Cold Laparoscopic Instruments (non-electrosurgical)

			ENCISION	
5MM DISSECTORS AND GRAS	PERS	Jaw Length		
Tip Styles		law Length	Cat	talog #
5mm (unless noted otherwise)		Jun Lengui	32cm	45cm
	Traumatic Grasper	22mm	EP3020RR	EP3020-45RR
	Traumatic Grasper, 2x3 Teeth, S/A	22mm Single Action	EP3450RR	EP3450-45RR
S. C.	Ripple Claw Forceps	23mm	EP3480RR	EP3480-45RR
	Claw Forceps, 2x3 Teeth	22mm	EP3210RR	EP3210-45RR
	Fenestrated Grasper	19mm	ES0507RR	ES0507-45RR
	Maxi Fenestrated Grasping Forceps	18mm	EP3380RR	EP3380-45RR
	Fenestrated Grasping Forceps	22mm	EP3280RR	EP3280-45RR

			ENCISION	-
5MM DISSECTORS AND GRAS	PERS	Jaw Length	1	
Tip Styles 5mm (unless noted otherwise)		Jaw Length	Cata 32cm	alog # 45cm
	McKernan Tri-Grasping Fenestrated Forceps	21mm	EP3070RR	EP3070-45RR
	Atraumatic Tube Forceps	14mm	EP3180RR	EP3180-45RR
	Oviduct Atraumatic Forceps	11mm	EP3440RR	EP3440-45RR
	Single Action Needle Holder	10mm Single Action	EP3700RR	EP3700-45RR
	Kocher Grasping Forceps	13mm	EP3400RR	EP3400-45RR
	Murray Grasper	11mm	EP3810RR	EP3810-45RR
	Allis Forceps	18mm	EP3000RR	EP3000-45RR
	Long Allis Forceps	28mm	EP3010RR	EP3010-45RR

			ENCISION	-
5MM DISSECTORS AND GRAS	PERS	Jaw Length)	
Tip Styles		law Longth	Cat	alog #
5mm (unless noted otherwise)		Jaw Lengui	32cm	45cm
	Endo Allis Forceps	34mm	EP3030RR	EP3030-45RR
	Round Tip Allis Grasping Forceps	34mm	EP3100RR	EP3100-45RR
	Paddle Babcock	29mm	EP3350RR	EP3350-45RR
	Babcock Grasping Forceps	25mm	EP3300RR	EP3300-45RR
CHCSON-	Babcock-DeBakey Forceps	29mm	ES0534RR	ES0534-45RR
	DeBakey Tissue Forceps	38mm	EP3250RR	EP3250-45RR

			ENCISION	
5MM DISSECTORS AND GRASPERS		Jaw Length		
Tip Styles		law Length	Catalog #	
5mm (unless noted otherwise)		Johr Length	32cm	45cm
	Curved DeBakey Tissue Forceps	27mm	EP3750RR	EP3750-45RR
	Glassman Forceps	40mm	EP3040RR	EP3040-45RR
	Fenestrated Bowel Grasper	30mm	ES0522RR	ES0522-45RR
	Fenestrated Bowel Grasper	20mm	EP3690RR	EP3690-45RR
	Andrew Babcock Forceps	19mm	EP3770RR	EP3770-45RR
C INCESSOR	Alligator Grasping Forceps	13mm	ES0536RR	ES0536-45RR
E MUSICON	Cobra Toothed Grasper	13mm	ES0540RR	ES0540-45RR

				_
5MM DISSECTORS AND GRASPERS		Jaw Length		
Tip Styles			Catalog #	
5mm (unless noted otherwise)		Jaw Length	32cm	45cm
	Double Action Spoon Forceps	13mm	EP3820RR	EP3820-45RR
	Alligator Forceps	13mm	EP3080RR	EP3080-45RR
	Extracting Forceps Reverse Teeth	13mm	EP3260RR	EP3260-45RR
	Rodriguez Grasping Forceps	12mm Single Action	EP3870RR	EP3870-45RR

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			ENCISION	
10MM DISSECTORS AND GRASPERS		Jaw Length		
Tip Styles		law Lenoth	Catalog #	
10mm (unless noted otherwise)		,	32cm	45cm
	Maryland, 5mm with 10mm shaft	23mm	EP4410RR	EP4410-45RR
	Curved Dissector	38mm	EP4090RR	EP4090-45RR
	Angled Dissector, 5mm with 10mm shaft	16mm	EP4140RR	EP4140-45RR
	Right Angle Dissector, 5mm with 10mm shaft	19mm	EP4130RR	EP4130-45RR
	Right Angle Dissector	37mm	EP4120RR	EP4120-45RR
An and a second se	Mixter Dissector	27mm	EP4160RR	EP4160-45RR
	Maxi Grasper	22mm	EP4150RR	EP4150-45RR

		ENCISION			
10MM DISSECTORS AND GRASPERS		Jaw Length			
Tip Styles		tour to onth	Catalog #		
10mm (unless noted otherwise)		Jaw Length	32cm	45cm	
	Babcock Short Jaw	25mm	EP4300RR	EP4300-45RR	
	Babcock with Straight Serrations	35mm	EP4320RR	EP4320-45RR	
	Paddle Babcock	35mm	EP4340RR	EP4340-45RR	
	Babcock with Pyramid Serrations	35mm	EP4460RR	EP4460-45RR	
	Angled Circle Grasper	24mm	EP4020RR	EP4020-45RR	
-	Spoon Forceps	25mm Single Action	EP4240RR	EP4240-45RR	
	Claw Forceps	29mm Single Action	EP4200RR	EP4200-45RR	
	Tenaculum	36mm	EP4370RR	EP4370-45RR	

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NOTE: The Shield+™ ENT Ablator utilizes RF monopolar energy, making its clinical efficacy the same as monopolar suction coagulators, with enhanced ergonomics and an improved safety profile. The Shield+ Ablator eliminates the chance of perioral burns to the lips, face, and tongue from insulation failure, radiant energy and heating of the instrument shaft.

- Lou, Z. (2023). A comparison of Coblation and modified monopolar tonsillectomy in adults. BMC Surgery, 23(141). https://doi.org/10.1186/s12893-023-02035-1
 - Monopolar Operative Time of 17.4 ± 4.8 vs. Coblator Operative Time of 28.6 ± 3.3 minutes, p < 0.01 (39% improvement for monopolar, or 64% more operative time for Coblation).
 - The high temperature of the device (>400°C) enables rapid dissection of scar tissue in the peritonsillar space, thereby shortening the operation time.
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 - Systematic review of 29 studies, synthesizing evidence relevant to tonsillectomies.
 - At postoperative day 1 there is very low quality evidence that patients in the Coblation group had less pain, with a standardized mean difference (SMD) of -0.79 (95% confidence interval (CI) -1.38 to -0.19; 538 participants; six studies). This effect is reduced a SMD of -0.44 (95% CI -0.97 to 0.09; 401 participants; five studies; very low-quality evidence) at day 3, and at day 7 there is low quality evidence of little or no difference in pain (SMD -0.01, 95% CI -0.22 to 0.19; 420 participants; five studies). Although this suggests that pain may be slightly less in the Coblation group between days 1 and 3, the clinical significance is unclear.
 - There is little or no difference in the risk of bleeding in the first day after surgery, but there may be a small
 increased risk of bleeding with coblation after the first day. For every 1000 patients having a tonsillectomy,
 50 patients would have a bleed with Coblation, compared to 36 with traditional surgical techniques. This
 equates to a 38% higher chance of rebleed, after day 1, when using coblation.
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 - The average published rate of tonsillar regrowth following intracapsular tonsillectomy is 3.2% and most sources site the regrowth rate after extracapsular tonsillectomy as nearly 0%.



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