

MICS & THORACIC INSTRUMENTS



WE DESIGN, MANUFACTURE, & SELL THE TOOLS THE SURGEONS USE

ELMED INC.
35 N. BRANDON DR.
GLENDALE HEIGHTS,
IL 60139
USA

WE SUBSCRIBE TO
COST
CONTAINMENT AND
PROTECTION OF
THE ENVIRONMENT



THEREFORE, WE
MANUFACTURE
REUSABLE
PRODUCTS FOR A
CLEANER WORLD

PH (224) 353-6446
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EMAIL
MEDICAL@ELMED.COM
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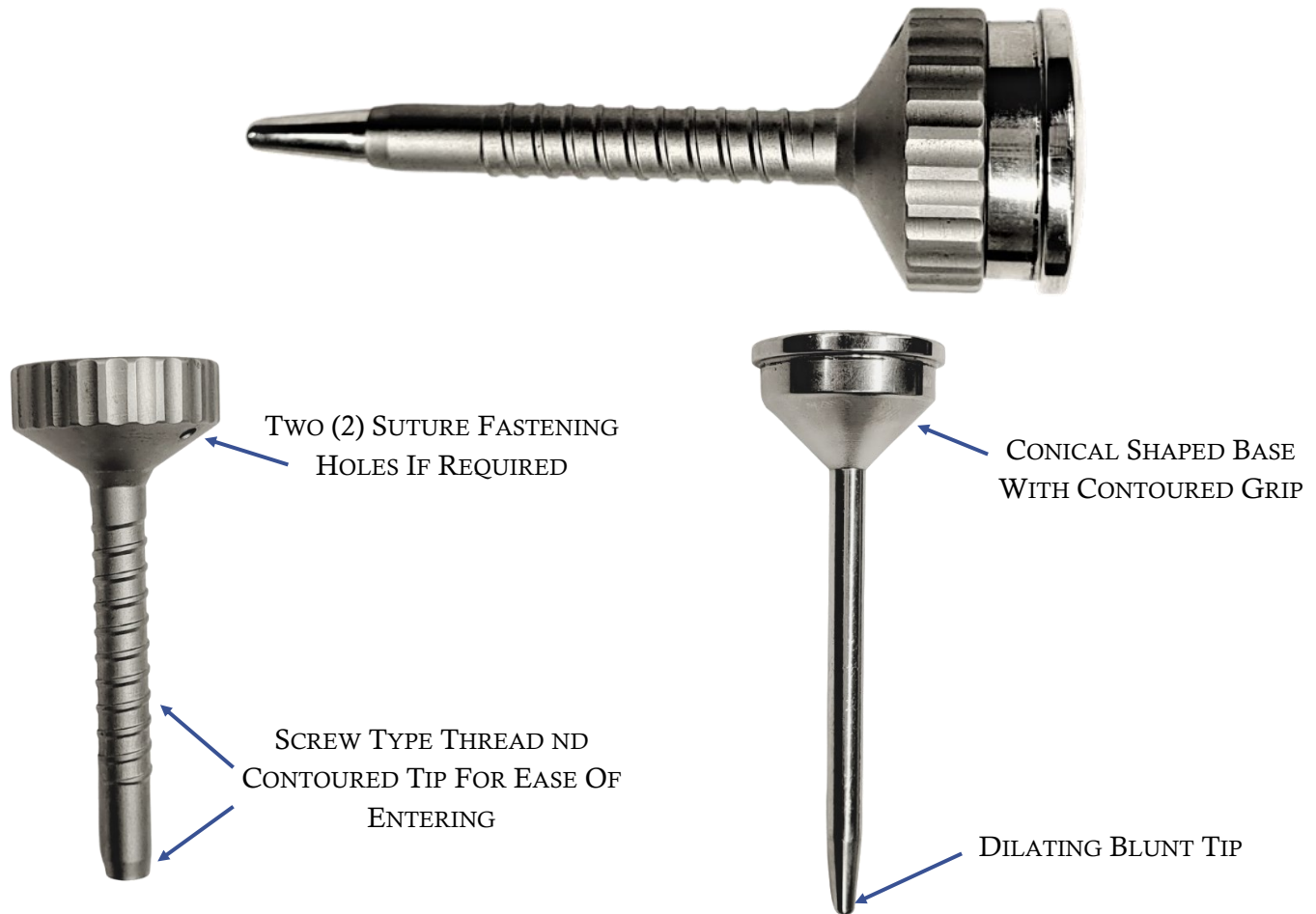


THORACIC CANNULAS



MADE IN THE USA

THORA-TROCAR & THREADED SLEEVE FOR FASCIA ANCHORING



TROCAR SLEEVE WORKING LENGTH

TROCAR	STD LENGTH	OPTIONAL LENGTHS		
DIA. Ø	4.5 CM	5.5 CM	6.5 CM	7.5 CM
5/5.5 MM	24245-05	24255-05	24265-05	24275-05
7/8 MM	24245-07	24255-07	24265-07	24275-07
10/11 MM	24245-10	24255-10	24265-10	24275-10
12 MM	24245-12	24255-12	24265-12	24275-12
15 MM	24245-15	24255-15	24265-15	24275-05



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THORACIC CANNULAS



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DIAMETER	TROCAR 4.5CM LENGTH	TROCAR 5.5CM LENGTH	TROCAR 6.5CM LENGTH	TROCAR 7.5CM LENGTH
5MM	24245-05-OLY1	24255-05-OLY1	24265-05-OLY1	24275-05-OLY1
7MM	24245-07-OLY1	24255-07-OLY1	24265-07-OLY1	24275-07-OLY1
10MM	24245-10-OLY1	24255-10-OLY1	24265-10-OLY1	24275-10-OLY1
11MM	24245-11-OLY1	24255-11-OLY1	24265-11-OLY1	24275-11-OLY1
12MM	24245-12-OLY1	24255-12-OLY1	24265-12-OLY1	24275-12-OLY1
13MM	24245-13-OLY1	24255-13-OLY1	24265-13-OLY1	24275-13-OLY1
15MM	24245-15-OLY1	24255-15-OLY1	24265-15-OLY1	24275-15-OLY1



DIAMETER	SLEEVE 4.5CM LENGTH	SLEEVE 5.5CM LENGTH	SLEEVE 6.5CM LENGTH	SLEEVE 7.5CM LENGTH
5MM	24245-05-OLY2	24255-05-OLY2	24265-05-OLY2	24275-05-OLY2
7MM	24245-07-OLY2	24255-07-OLY2	24265-07-OLY2	24275-07-OLY2
10MM	24245-10-OLY2	24255-10-OLY2	24265-10-OLY2	24275-10-OLY2
11MM	24245-11-OLY2	24255-11-OLY2	24265-11-OLY2	24275-11-OLY2
12MM	24245-12-OLY2	24255-12-OLY2	24265-12-OLY2	24275-12-OLY2
13MM	24245-13-OLY2	24255-13-OLY2	24265-13-OLY2	24275-13-OLY2
15MM	24245-15-OLY2	24255-15-OLY2	24265-15-OLY2	24275-15-OLY2



**SOLD IN SETS: TROCAR & SLEEVE/TROCAR & SLEEVE AVAILABLE SEPARATELY ON REQUEST



WE DESIGN, MANUFACTURE & SELL THE TOOLS THE SURGEONS USE



ELMED MICS CARDIOVASCULAR INSTRUMENTS



MADE IN THE USA



OPTIONAL: TUNGSTEN CARBIDE (TC) DIAMOND

MICS-CARDIOVASCULAR NEEDLE HOLDERS

FEATURING:

- * 3.5MM, 5MM SHAFT DIAMETER
- * 4 WORKING LENGTH SHAFTS
- * GOLD-ERGONOMIC STRAIGHT AXIAL SQUEEZE HANDLE WITH RATCHET
- * TC-TUNGSTEN CARBIDE OR DD-DIAMOND DUST (OPTIONAL) TIPS
- * STRAIGHT FLUSH PORT FOR ENHANCED CLEANING
- * REUSABLE –FULLY AUTOCLAVABLE

3.5MM Ø SHAFT STYLE MICS=CARDIOVASCULAR NEEDLE HOLDER

	ITEM NO.	ØMM	WORKING LENGTH CM (IN.)	DESCRIPTION
	24835-17TC	3.5	17 (6¾)	MINI TC NEEDLE HOLDER, STRAIGHT, 2X6MM JAW, SINGLE ACTION, RATCHET HANDLE
	24835-22TC	3.5	22 (8½)	
	24835-25TC	3.5	25 (10)	
	24835-30TC	3.5	30 (12)	
	24935-17TC	3.5	17 (6¾)	MINI TC NEEDLE HOLDER CURVED LEFT, 2X6MM JAW, SINGLE ACTION, RATCHET HANDLE
	24935-22TC	3.5	22 (8½)	
	24935-25TC	3.5	25 (10)	
	24935-30TC	3.5	30 (12)	
	24735-17TC	3.5	17 (6¾)	MINI TC NEEDLE HOLDER CURVED RIGHT, 2X6MM JAW, SINGLE ACTION, RATCHET HANDLE
	24735-22TC	3.5	22 (8½)	
	24735-25TC	3.5	25 (10)	
	24735-30TC	3.5	30 (12)	



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ELMED MICS CARDIOVASCULAR INSTRUMENTS



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5MM Ø SHAFT STYLE MICS=CARDIOVASCULAR NEEDLE HOLDER

	ITEM NO.	ØMM	WORKING LENGTH CM (IN.)	DESCRIPTION
	24185-17TC	5	17 (6¾)	TC NEEDLE HOLDER, STRAIGHT, 3x10MM JAW, SINGLE ACTION, RATCHET HANDLE
	24185-22TC	5	22 (8½)	
	24185-25TC	5	25 (10)	
	24185-30TC	5	30 (12)	
	24195-17TC	5	17 (6¾)	TC NEEDLE HOLDER, CURVED LEFT, 3x10MM JAW, SINGLE ACTION, RATCHET HANDLE
	24195-22TC	5	22 (8½)	
	24195-25TC	5	25 (10)	
	24195-30TC	5	30 (12)	
	24205-17TC	5	17 (6¾)	TC NEEDLE HOLDER, CURVED RIGHT, 3x10MM JAW SINGLE ACTION, RATCHET HANDLE
	24205-22TC	5	22 (8½)	
	24205-25TC	5	25 (10)	
	24205-30TC	5	30 (12)	
	24235-17TC	5	17 (6¾)	TC NEEDLE HOLDER, STRAIGHT, 2x8MM JAW, SINGLE ACTION, RATCHET HANDLE
	24235-22TC	5	22 (8½)	
	24235-25TC	5	25 (10)	
	24235-30TC	5	30 (12)	
	24245-17TC	5	17 (6¾)	TC NEEDLE HOLDER, CURVED LEFT, 2x8MM JAW, SINGLE ACTION, RATCHET HANDLE
	24245-22TC	5	22 (8½)	
	24245-25TC	5	25 (10)	
	24245-30TC	5	30 (12)	
	24255-17TC	5	17 (6¾)	TC NEEDLE HOLDER, CURVED RIGHT, 2x8MM JAW SINGLE ACTION, RATCHET HANDLE
	24255-22TC	5	22 (8½)	
	24255-25TC	5	25 (10)	
	24255-30TC	5	30 (12)	





ELMED MICS CARDIOVASCULAR INSTRUMENTS



MADE IN THE USA

5MM Ø SHAFT STYLE MICS=CARDIOVASCULAR NEEDLE HOLDER

	ITEM NO.	ØMM	WORKING LENGTH CM (IN.)	DESCRIPTION
	24325-17TC	5	17 (6¾)	TC RYDER STYLE NEEDLE HOLDER, STRAIGHT, 1x8MM JAW, SINGLE ACTION, RATCHET HANDLE
	24325-22TC	5	22 (8½)	
	24325-25TC	5	25 (10)	
	24325-30TC	5	30 (12)	
	24225-17TC	5	17 (6¾)	TC RYDER STYLE NEEDLE HOLDER, STRAIGHT, 1x10MM JAW, SINGLE ACTION, RATCHET HANDLE
	24225-22TC	5	22 (8½)	
	24225-25TC	5	25 (10)	
	24225-30TC	5	30 (12)	
	24425-17TC	5	17 (6¾)	TC CRILE-WOOD STYLE NEEDLE HOLDER, CURVED LEFT, SINGLE ACTION, RATCHET HANDLE
	24425-22TC	5	22 (8½)	
	24425-25TC	5	25 (10)	
	24425-30TC	5	30 (12)	

5MM Ø SHAFT STYLE MICS=CARDIOVASCULAR DIAMOND DUSTED NEEDLE HOLDER

	ITEM NO.	ØMM	WORKING LENGTH CM (IN.)	DESCRIPTION
	24345-17DD	5	17 (6¾)	DIAMOND DUSTED NEEDLE HOLDER, STRAIGHT, 3x10MM JAW, SINGLE ACTION, RATCHET HANDLE
	24345-22DD	5	22 (8½)	
	24345-25DD	5	25 (10)	
	24345-30DD	5	30 (12)	
	24365-17DD	5	17 (6¾)	DIAMOND DUSTED NEEDLE HOLDER, CURVED LEFT, 3x10MM JAW, SINGLE ACTION, RATCHET HANDLE
	24365-22DD	5	22 (8½)	
	24365-25DD	5	25 (10)	
	24365-30DD	5	30 (12)	
	24465-17DD	5	17 (6¾)	DIAMOND DUSTED NEEDLE HOLDER, CURVED RIGHT, 3x10MM JAW, SINGLE ACTION, RATCHET HANDLE
	24465-22DD	5	22 (8½)	
	24465-25DD	5	25 (10)	
	24465-30DD	5	30 (12)	



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ELMED MICS CARDIOVASCULAR INSTRUMENTS



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5MM Ø SHAFT STYLE MICS=CARDIOVASCULAR COMBINATION TC NEEDLE HOLDER

	ITEM NO.	ØMM	WORKING LENGTH CM (IN.)	DESCRIPTION
	24385-17TC	5	17 (6¾)	COMBINATION TC NEEDLE HOLDER & PROXIMAL HOOK SCISSORS, STRAIGHT JAW, SINGLE ACTION, NON- RATCHET HANDLE
	24385-22TC	5	22 (8½)	
	24385-25TC	5	25 (10)	
	24385-30TC	5	30 (12)	
	24395-17TC	5	17 (6¾)	COMBINATION TC NEEDLE HOLDER & PROXIMAL HOOK SCISSORS, CURVED LEFT JAW, SINGLE ACTION, NON-RATCHET HANDLE
	24395-22TC	5	22 (8½)	
	24395-25TC	5	25 (10)	
	24395-30TC	5	30 (12)	
	24405-17TC	5	17 (6¾)	COMBINATION TC NEEDLE HOLDER & PROXIMAL HOOK SCISSORS, CURVED RIGHT JAW, SINGLE ACTION, NON-RATCHET HANDLE
	24405-22TC	5	22 (8½)	
	24405-25TC	5	25 (10)	
	24405-30TC	5	30 (12)	





VATS/MICS



MADE IN THE USA

SCISSORS—RED COLOR, WITHOUT RATCHET, STANDARD HANDLE, IRRIGATION CONNECTOR. AXIAL

	DESCRIPTION	LENGTH (MM)	Ø	WITHOUT CERAMIC COATING	WITH CERAMIC COATING
	METZENBAUM-SCISSOR, STRAIGHT, SINGLE ACTION	170	5.0	24115-17	24115-17CC
		250	5.0	24115-25	24115-25CC
		300	5.0	24115-30	24115-30CC
	METZENBAUM-SCISSOR, STRAIGHT, DOUBLE ACTION	170	5.0	2495-17	2495-17CC
		250	5.0	2495-25	2495-17CC
		300	5.0	2495-30	2495-30CC
	MINI METZENBAUM- SCISSOR, 15° CURVED, DOUBLE ACTION	170	3.5	241035-17	241035-17CC
		250	3.5	241035-25	241035-17CC
		300	3.5	241035-30	241035-17CC
	METZENBAUM-SCISSOR, 15° CURVED, DOUBLE ACTION	170	5.0	24105-17	24105-17CC
		250	5.0	24105-25	24105-25CC
		300	5.0	24105-30	24105-30CC
	MINI METZENBAUM- SCISSOR, 30° CURVED, DOUBLE ACTION	170	3.5	241235-17	241235-17CC
		250	3.5	241235-25	241235-25CC
		300	3.5	241235-30	241235-30CC
	METZENBAUM-SCISSOR, 30° CURVED, DOUBLE ACTION	170	5.0	24125-17	24125-17CC
		250	5.0	24125-25	24125-25CC
		300	5.0	24125-30	24125-30CC
	METZENBAUM-SCISSOR, 70° CURVED, DOUBLE ACTION	170	5.0	24135-17	24135-17CC
		250	5.0	24135-25	24135-25CC
		300	5.0	24135-30	24135-30CC
	SCISSOR JAMESON, 15° CURVED, WITH TENOTOMY TIP	170	5.0	24145-17	24145-17CC
		250	5.0	24145-25	24145-25CC
		300	5.0	24145-30	24145-30CC



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VATS/MICS



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SCISSORS—RED COLOR, WITHOUT RATCHET, STANDARD HANDLE, IRRIGATION CONNECTOR. AXIAL

	DESCRIPTION	LENGTH (MM)	Ø	WITHOUT CERAMIC	WITH CERAMIC COATING
	POTTS-STYLE VASCULAR SCISSOR, 45° UPWARDS, SINGLE ACTION, SHORT MODEL	170	3.5	241535-17S	241535-17SCC
		250	3.5	241535-25S	241535-25SCC
		300	3.5	241535-30S	241535-30SCC
	POTTS-STYLE VASCULAR SCISSOR, 45° UPWARDS, SINGLE ACTION, LONG MODEL	170	3.5	241535-17L	241535-17LCC
		250	3.5	241535-25L	241535-25LCC
		300	3.5	241535-30L	241535-30LCC
	POTTS-STYLE VASCULAR SCISSOR, 90° UPWARDS, SINGLE ACTION	170	3.5	244535-17	244535-17CC
		250	3.5	244535-25	244535-25CC
		300	3.5	244535-30	244535-30CC
	POTTS-STYLE VASCULAR SCISSOR, 125° BACKWARDS, SINGLE ACTION	170	3.5	241635-17	241635-17CC
		250	3.5	241635-25	241635-30CC
		300	3.5	241635-30	241635-30CC
	POTTS-STYLE VASCULAR SCISSOR, 125° BACKWARDS, SINGLE ACTION	170	5.0	24165-17	24165-17CC
		250	5.0	24165-25	24165-25CC
		300	5.0	24165-30	24165-30CCC
	METZENBAUM-SCISSOR, 15° CURVED, DOUBLE ACTION, ROBUST	170	7.0	24177-17	24177-17CC
		250	7.0	24177-25	24177-25CC
		300	7.0	24177-30	24177-30CC



OPTIONAL CERAMIC COATING
AVAILABLE (CC)



WE DESIGN, MANUFACTURE & SELL THE TOOLS THE SURGEONS USE



VATS/MICS



MADE IN THE USA

GRASPING FORCEPS—STANDARD—BLUE COLOR, WITH OR W/OUT RATCHET, STANDARD HANDLE, IRRIGATION CONNECTOR. AXIAL

	DESCRIPTION	LENGTH (MM)	Ø	WITHOUT CERAMIC COATING	WITH CERAMIC COATING
	DEBAKEY, AG 2 x 1 TEETH, 1.5 x 10 MM, DOUBLE ACTION	170	3.5	242535-17	242535-17R
		250	3.5	242535-25	242535-25R
		300	3.5	242535-30	242535-30R
	DEBAKEY, AG 2 x 1 TEETH, 2.8 x 10 MM, DOUBLE ACTION	170	3.5	242635-17	242635-17R
		250	3.5	242635-25	242635-25R
		300	3.5	242635-30	242635-30R
	DEBAKEY, AG 2 x 1 TEETH, 1.5 x 10 MM, DOUBLE ACTION	170	5.0	24745-17	24745-17R
		250	5.0	24745-25	24745-25R
		300	5.0	24745-30	24745-30R
	DEBAKEY, AG 2 x 1 TEETH, 2.8 x 10 MM, DOUBLE ACTION	170	5.0	24265-17	24265-17R
		250	5.0	24265-25	24265-25R
		300	5.0	24265-30	24265-30R
	DEBAKEY, AG 2 x 1 TEETH, 15° ANGLED SIDEWAYS, 2.8, x 10 MM, DOUBLE ACTION	170	5.0	24455-17	24455-17R
		250	5.0	24455-25	24455-25R
		300	5.0	24455-30	24455-30R
	DEBAKEY, AG 2 x 1 TEETH, STRAIGHT, 1.5 x 14 MM, SINGLE ACTION	170	5.0	24435-17	24435-17R
		250	5.0	24435-25	24435-25R
		300	5.0	24435-30	24435-30R



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GRASPING FORCEPS—STANDARD—BLUE COLOR, WITH OR W/OUT RATCHET, STANDARD HANDLE, IRRIGATION CONNECTOR. AXIAL

	DESCRIPTION	LENGTH (MM)	Ø	WITHOUT CERAMIC COATING	WITH CERAMIC COATING
	DEBAKEY, AG 2 x 1 TEETH, 45° ANGLED UPWARDS, 1.5 x 14 MM, SINGLE ACTION	170	5.0	24275-17	24275-17R
		250	5.0	24275-25	24275-25R
		300	5.0	24275-30	24275-30R
	DEBAKEY, AG 2 x 1 TEETH, 45° ANGLED SIDEWAYS, 1.5 x 14 MM, SINGLE ACTION	170	5.0	24285-17	24285-17R
		250	5.0	24285-25	24285-25R
		300	5.0	25285-30	24285-30R
	DEBAKEY, AG 2 x 1 TEETH, 45° ANGLED SIDEWAYS, 2.8 x 10 MM, DOUBLE ACTION	170	3.5	2441-35-17	244135-17R
		250	3.5	244135-25	244135-25R
		300	3.5	244135-30	244135-30R
	DEBAKEY, AG 3 x 2 TEETH, 4.8 x 16 MM DOUBLE ACTION	170	5.0	24295-17	24295-17R
		250	5.0	24295-25	24295-25R
		300	5.0	24295-30	24295-30R
	DEBAKEY, AG 3 x 2 TEETH, 4.8 x 28 MM LONG MODEL, DOUBLE ACTION	170	5.0	24475-17	24475-17R
		250	5.0	24475-25	24475-25R
		300	5.0	24475-30	24475-30R
	KNOT PUSHER 45° UPWARDS, SINGLE ACTION	170	5.0	24315-17	24315-17R
		250	5.0	24315-25	24315-25R
		300	5.0	24315-30	24315-30R





GRASPING FORCEPS—STANDARD—BLUE COLOR, WITH OR W/OUT RATCHET, STANDARD HANDLE, IRRIGATION CONNECTOR. AXIAL

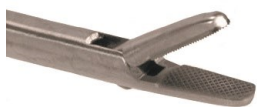
	DESCRIPTION	LENGTH (MM)	Ø	WITHOUT CERAMIC COATING	WITH CERAMIC COATING
	RESANO-VALVE GRASPING FORCEPS, SINGLE ACTION	170	5.0	24355-17	24355-17R
		250	5.0	24355-25	24355-25R
		300	5.0	24355-30	24355-30R
	RESANO-VALVE GRASPING FORCEPS, DOUBLE ACTION	170	5.0	24485-17	24485-17R
		250	5.0	24485-25	24485-25R
		300	5.0	24485-30	24485-30R
	SUTURE NAHT, JAW CONICAL 8 MM, DOUBLE ACTION	170	5.0	24445-17	24445-17R
		250	5.0	24445-25	24445-25R
		300	5.0	24445-30	24445-30R
	GRASPING FORCEPS MOUSE TOOTH 2 x 1, FINE-TEETH, 15 MM, 45° CURVED UPWARDS	170	5.0	24495-17	24495-17R
		250	5.0	24495-25	24495-25R
		300	5.0	24495-30	24495-30R
	GRASPING FORCEPS EXTRA WIDE JAW WITH ALLIGATOR TEETH FENESTRATED	170	3.5	245035-17	245035-17R
		250	3.5	245035-25	245035-25R
		300	3.5	245035-30	245035-30R





NEEDLE HOLDER—STANDARD. GOLD-ORANGE COLOR, WITH RATCHET, STANDARD HANDLE, IRRIGATION CONNECTOR. AXIAL

	DESCRIPTION	LENGTH (MM)	Ø	ITEM No.	OPT.
	MINI NEEDLE HOLDER WITH TC, STRAIGHT, 2 x 6 MM, RATCHET	250	3.5	241835-25	TC
	MINI NEEDLE HOLDER W/ TC, CURVED LEFT, 2 x 6 MM, RATCHET	250	3.5	241935-25	TC
	NEEDLE HOLDER W/ TC, STRAIGHT, 3 x 10 MM, RATCHET	250	5.0	24185-25	TC
	NEEDLE HOLDER WITH TC, CURVED LEFT, 3 x 10 MM, RATCHET	250	5.0	24195-25	TC
	NEEDLE HOLDER WITH TC, CURVED RIGHT, 3 x 10 MM, RATCHET	250	5.0	24205-25	TC
	RYDER NEEDLE HOLDER WITH TC, STRAIGHT, 1 x 8 MM, RATCHET	250	5.0	24325-25	TC
	RYDER NEEDLE HOLDER W/ TC, STRAIGHT, 1 x 10 MM, RATCHET	250	5.0	24225-25	TC
	NEEDLE HOLDER W/ TC, STRAIGHT, 2 x 8 MM, RATCHET	250	5.0	24235-25	TC
	NEEDLE HOLDER W/ DIAMOND DUST, STRAIGHT, 3 x 10 MM, RATCHET	250	5.0	24235-25	DD
	NEEDLE HOLDER W/ DIAMOND DUST, LEFT CURVED, 3 x 10 MM, RATCHET	250	5.0	24365-25	DD
	CRILE WOOD, NEEDLE HOLDER WITH TC, CURVED LEFT	250	5.0	24425-25	TC





SPECIAL INSTRUMENTS

	DESCRIPTION	LENGTH (MM)	Ø	ITEM No.	TIP
	COMBINATION INSTRUMENT: GRASPING FORCEPS, JAW DISTAL DEBAKEY 2 x 1 TEETH - PROXIMAL TC INLET	250	5.0	24375-25	TC
	COMBINATION INSTRUMENT: NEEDLE HOLDER STRAIGHT, JAW DISTAL TC- INLET - PROXIMAL HOOK SCISSOR	250	5.0	24385-25	TC
	COMBINATION INSTRUMENT: NEEDLE HOLDER RIGHT, JAW DISTAL TC- INLET – PROXIMAL HOOK SCISSOR	250	5.0	24395-25	TC
	COMBINATION INSTRUMENT: NEEDLE HOLDER LEFT, JAW DISTAL TC- INLET – PROXIMAL HOOK SCISSOR	250	5.0	24405-25	TC
	GEMINI DISSECTION FORCEPS, CURVED, SMOOTH, DOUBLE ACTION	250	5.0	24245-25	
	LEAFLET HOLDER, FINE SERRATED, DOUBLE ACTION	250	5.0	2495-25	
	VALVE RONGEUR, OVAL JAW 4 MM, STRAIGHT, SINGLE ACTION	250	4.0	24304-25	
	VALVE RONGEUR, OVAL JAW 4 MM, 45° ANGLED UPWARDS	250	4.0	243014-25	
	CLIP FORCEPS FOR USE W/ CLIPS ETHICON MEDIUM	250	6.0	24335-25	



TUNGSTEN CARBIDE (TC)





VATS/MICS



MADE IN THE USA



NERVE AND VESSEL HOOKS

	ITEM NO.	LENGTH (MM)	DESCRIPTION
	24105-30	300	NERVE AND VESSEL HOOK, ANGLED 90°, LENGTH 6 MM
	24104-30	300	NERVE AND VESSEL HOOK, ANGLED 90°, LENGTH, 6 MM, BALL POINT
	24106-30	300	NERVE AND VESSEL HOOK, ANGLED 90°, LENGTH 10 MM



KNOT PUSHER

	ITEM NO.	LENGTH (MM)	Ø	DESCRIPTION
	2465-25	250	5MM	STRAIGHT



MAGNET RETRIEVER

	ITEM NO.	LENGTH (MM)	Ø	DESCRIPTION
	2471-25	250	4MM	STRAIGHT





VATS/MICS



MADE IN THE USA

SUTURE CATCHER



	ITEM NO.	LENGTH (MM)	Ø	DESCRIPTION
	2470-30	230	2.0	STRAIGHT



DISSECTION INSTRUMENT CLAMP

ITEM NO.	LENGTH (MM)	Ø	DESCRIPTION
24575-25	25MM	5.0	SPREADING INSTRUMENT , JAW FINE SERRATED



MEASURING INSTRUMENT

ITEM NO.	LENGTH (MM)	Ø	DESCRIPTION
2435-28	280MM	3.5	MEASURING INSTRUMENT, SIZES, 0-60 MM



TO ORDER CALL: (224) 353-6446



ENDOSCOPIC “THORACIC LANDRENEAU INSTRUMENTS”



MADE IN THE USA

ENDOSCOPIC, MINIMAL INVASIVE LANDRENEAU STYLE THORACIC INSTRUMENTS

AVAILABLE IN THREE INSTRUMENT STYLES:

- RIGID-ONE PIECE NON-ROTATING WITH FLUSHPORT
- ROTATABLE-ONE PIECE WITH FLUSHPORT
- ROTATING MODULAR 3-PIECE TAKE APART



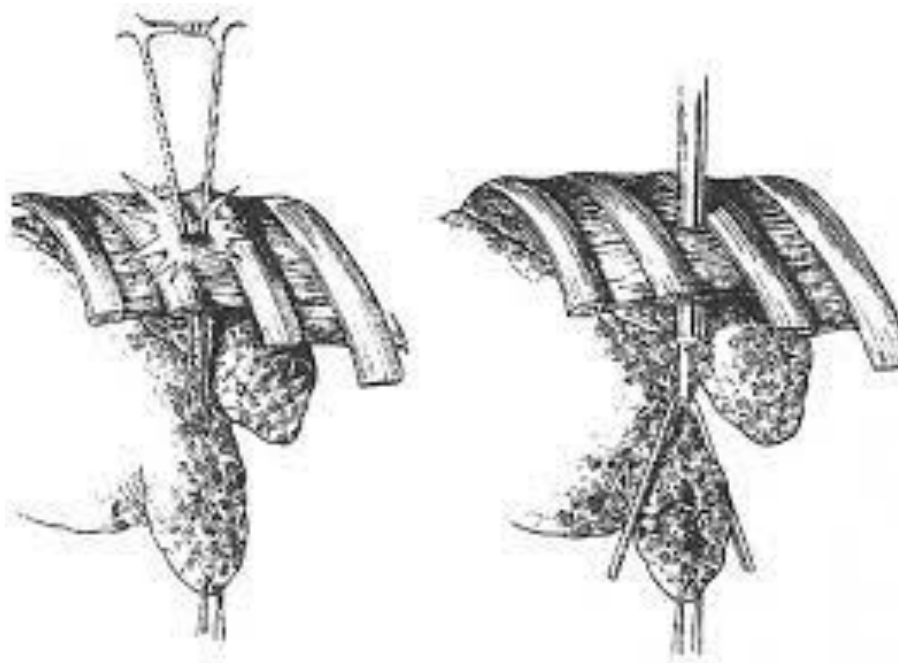
NOW AVAILABLE IN BOTH 5MM DIAMETER AND 10MM DIAMETER TIPS AND SHAFT SIZES.

“THE LANDRENEAU DESIGN INSTRUMENTS OVERCOME THE LIMITATIONS OF THE CENTRAL HINGE DESIGN OF STANDARD (OPEN) HAND SURGICAL INSTRUMENTS THUS FACILITATING INSTRUMENT MANIPULATION THROUGH THE INTERCOSTAL ACCESS DURING THORACOSCOPIC PROCEDURES.”

RODNEY J. LANDRENEAU, M.D.

SECTION HEAD, THORACIC SURGERY

DIRECTOR, ALLEGHENY CENTER FOR LUNG AND THORACIC DISEASE



ELMED'S “LANDRENEAU” IS A UNIQUELY DESIGNED INSTRUMENT MERGING THE USER FRIENDLY COAXIAL DESIGN WITH THE PRECISE MECHANICAL ACTION OF THE PRESENT DAY ENDOSCOPIC MINIMAL INVASIVE TOOL.



WE DESIGN, MANUFACTURE & SELL THE TOOLS THE SURGEONS USE



ENDOSCOPIC “THORACIC LANDRENEAU INSTRUMENTS”



MADE IN THE USA

THORACIC LANDRENEAU INSTRUMENTS

ALL INSTRUMENTS COME WITH THE ELMED ERGONOMIC STRAIGHT RING AXIAL HANDLE, LOCKING OR NON-LOCKING. THE STANDARD WORKING LENGTH IS 30CM. DIFFERENT LENGTHS ARE AVAILABLE UPON REQUEST.



LOCKING HANDLE



NON-LOCKING HANDLE

DESCRIPTION	DIA.	LENGTH	RIGID ONE-PIECE	ROTATABLE ONE-PIECE	MODULAR 3-PIECE
SATINSKY VASCULAR CLAMP (LOCKING HANDLE) (1)	5MM	30CM	24105-01A	24105-01B	24105-01C
	10MM	30CM	24110-01A	24110-01B	24110-01C
PENNINGTON GRASPING FORCEPS (LOCKING HANDLE)	5MM	30CM	24105-02A	24105-02B	24105-02C
	10MM	30CM	24110-02A	24110-02B	24110-02C
STRAIGHT MASHER FORCEPS THIN TEAR DROP (LOCKING HANDLE) (3)	5MM	30CM	24105-03A	24105-03B	24105-03C
	10MM	30CM	24110-03A	24110-03B	24110-03C
CURVED MASHER FORCEPS THIN TEAR DROP (LOCKING HANDLE) (3)	5MM	30CM	24105-04A	24105-04B	24105-04C
	10MM	30CM	24110-04A	24110-04B	24110-04C
STRAIGHT MASHER FORCEPS ROUND TIP (LOCKING HANDLE) (5)	5MM	30CM	24105-05A	24105-05B	24105-05C
	10MM	30CM	24110-05A	24110-05B	24110-05C



TO ORDER CALL: (224) 353-6446



ENDOSCOPIC “THORACIC LANDRENEAU INSTRUMENTS”



MADE IN THE USA

DESCRIPTION	DIA.	LENGTH	RIGID ONE-PIECE	ROTATABLE ONE-PIECE	MODULAR 3-PIECE
DEBAKEY GRASPING FORCEPS (LOCKING HANDLE) (6)	5MM	30CM	24105-06A	24105-06B	24105-06C
	10MM	30CM	24110-06A	24110-06B	24110-06C
FINE DISSECTING FORCEPS, 45° CURVE (LOCKING , NON-	5MM	30CM	24105-07A	24105-07B	24105-07C
	10MM	30CM	24110-07A	24110-07B	24110-07C
MEEKER DISSECTING FORCEPS 90° CURVE (LOCKING, NON-	5MM	30CM	24105-08A	24105-08B	24105-08C
	10MM	30CM	24110-08A	24110-08B	24110-08C
CURVED METZ SCISSOR (NON- LOCKING HANDLE) (9)	5MM	30CM	24105-09A	24105-09B	24105-09C
	10MM	30CM	24110-09A	24110-09B	24110-09C
STRAIGHT METZ SCISSOR (NON-LOCKING HANDLE) (10)	5MM	30CM	24105-10A	24105-10B	24105-10C
	10MM	30CM	24110-10A	24110-10B	24110-10C
NEEDLE HOLDER STRAIGHT (LOCKING HANDLE) (11)	5MM	30CM	24105-11A	24105-11B	24105-11C
	10MM	30CM	24110-11A	24110-11B	24110-11C
NEEDLE HOLDER CURVED LEFT (LOCKING HANDLE) (12)	5MM	30CM	24105-12A	24105-12B	24105-12C
	10MM	30CM	24110-12A	24110-12B	24110-12C
NEEDLE HOLDER CURVED RIGHT (LOCKING HANDLE) (13)	5MM	30CM	24105-13A	24105-13B	24105-13C
	10MM	30CM	24110-13A	24110-13B	24110-13C



9 CURVED
10 STRAIGHT



11 STRAIGHT

12 CURVED
LEFT

13 CURVED
RIGHT



WE DESIGN, MANUFACTURE & SELL THE TOOLS THE SURGEONS USE

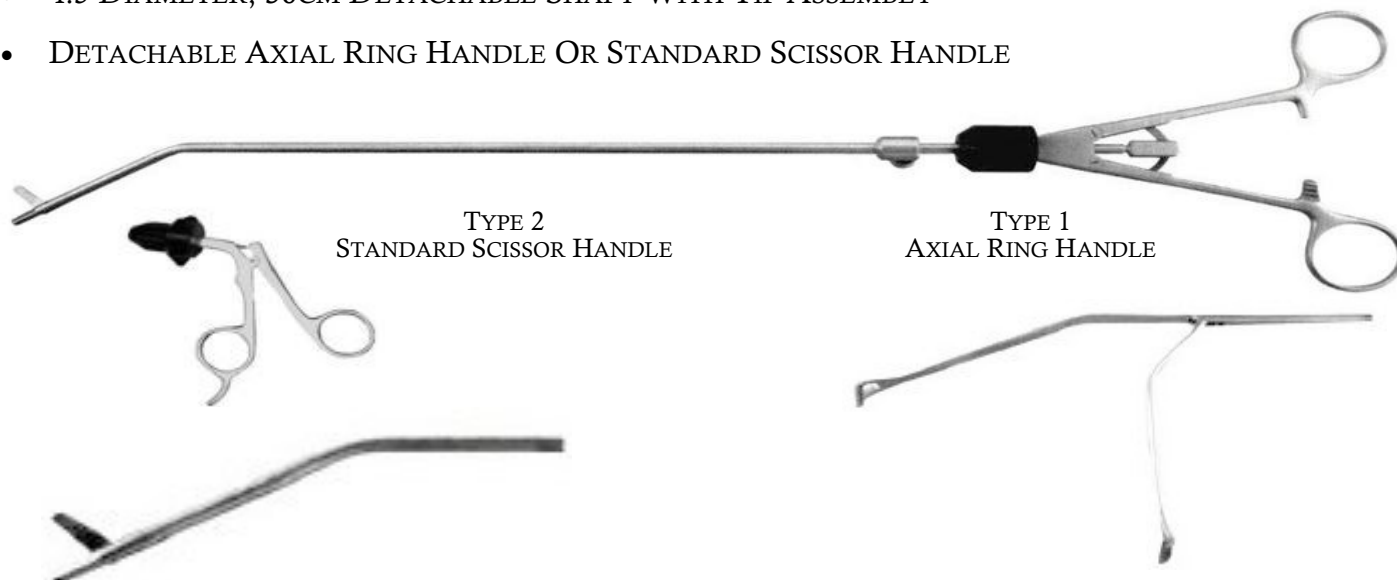


MICRO-END THORACIC INSTRUMENTS



MADE IN THE USA

- 4.5 DIAMETER, 30CM DETACHABLE SHAFT WITH TIP ASSEMBLY
- DETACHABLE AXIAL RING HANDLE OR STANDARD SCISSOR HANDLE



SCISSORS BLUNT/RIGHT OPENING 30° CURVED DOWN

[24104-01/1](#) (Type 1)

[24101-01/2](#) (Type 2)

BABCOCK ATRAUMATIC 30° CURVED DOWN

[24104-04/1](#) (Type 1)

[24104-04/2](#) (Type 2)



DEBAKEY PLEURA ATRAUMATIC FORCEPS 30° CURVED DOWN

[24104-02/1](#) (Type 1)

[24101-02/2](#) (Type 2)



LUNG GRASPING FORCEPS 30° CURVED DOWN

[24104-05/1](#) (Type 1)

[24104-05/2](#) (Type 2)



PARENCHYM CLAMP, 50MM JAW LENGTH, 30° CURVED RIGHT

[24104-03/1](#) (Type 1)

[24101-03/2](#) (Type 2)

ELMED HAS DESIGNED AND CONSTRUCTED THESE ENDOSCOPIC THORACIC INSTRUMENTS FOR:

- DURABILITY AND LONGEVITY
- PRECISE AND ERGONOMIC HANDLING
- OPTIMAL CLEANING AND MAINTENANCE
- EXCELLENT RETURN ON INVESTMENT



TO ORDER CALL: (224) 353-6446

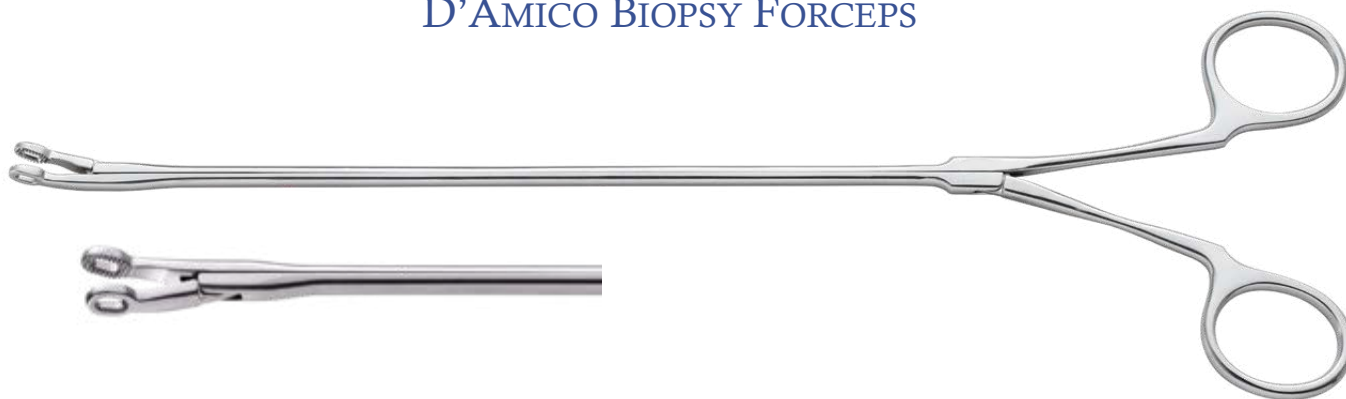


FORCEPS



MADE IN THE USA

D'AMICO BIOPSY FORCEPS



ITEM NO.	DESCRIPTION	SHAFT	WORKING LENGTH	TOTAL LENGTH
24302-13	6 MM WIDTH OVAL RING JAWS CURVED, WITH RATCHET	5MM TAPERED TO 7MM	9" (23CM)	13" (33CM)
24303-13	6 MM WIDTH OVAL RING JAWS CURVED WITHOUT RATCHET			



ITEM NO.	DESCRIPTION	SHAFT	WORKING LENGTH	TOTAL LENGTH
24312-13	7 MM WIDTH OVAL CUPPED JAWS CURVED WITH RATCHET	5MM TAPERED TO 7MM	9" (23CM)	13" (33CM)
24313-13	7 MM WIDTH OVAL CUPPED JAWS CURVED WITHOUT RATCHET			





FORCEPS



MADE IN THE USA

D'AMICO MEDIASTINOSCOPY FORCEPS



ITEM NO.	DESCRIPTION	SHAFT	WORKING LENGTH	TOTAL LENGTH
24300-15	6 MM WIDTH OVAL RING JAWS CURVED, WITH RATCHET	7MM	11" (28CM)	15" (38CM)
24301-15	6 MM WIDTH OVAL RING JAWS CURVED WITHOUT RATCHET			



ITEM NO.	DESCRIPTION	SHAFT	WORKING LENGTH	TOTAL LENGTH
24310-15	7 MM WIDTH OVAL CUPPED JAWS CURVED WITH RATCHET	7MM	11" (28CM)	15" (38CM)
24311-15	7 MM WIDTH OVAL CUPPED JAWS CURVED WITHOUT RATCHET			



TO ORDER CALL: (224) 353-6446



FORCEPS



MADE IN THE USA

GONZALEZ-RIVAS FORCEPS



ITEM NO.	DESCRIPTION	SHAFT	WORKING LENGTH	TOTAL LENGTH
24530-33	8 MM DIAMOND KNURLING 2.5 MM WIDTH	5 MM	6 3/8" (16.2 CM)	12 3/4" (32.5CM)
24532-37	CURVED DeBAKEY JAWS WITHOUT RATCHET		8" (20 CM)	14 3/8" (36.5 CM)

SPRING STYLE FORCEPS



JACOBSON SPRING STYLE FORCEPS

ITEM NO.	DESCRIPTION	SHAFT	WORKING LENGTH	TOTAL LENGTH
244220-41	1 MM WIDTH STRAIGHT DeBAKEY JAWS WITHOUT RATCHET	5 MM	7 3/4" (19.5 CM)	16" (41 CM)
24422-41	2 MM WIDTH STRAIGHT DeBAKEY JAWS WITHOUT RATCHET			

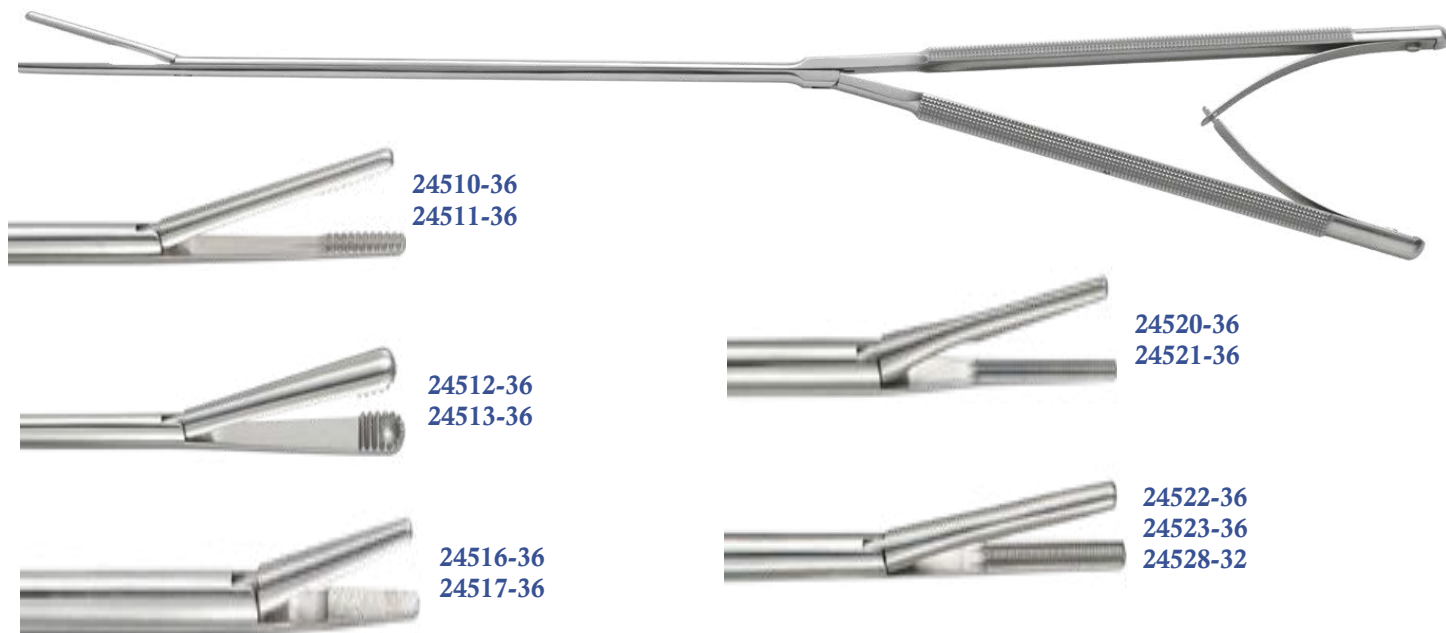




AXIAL HANDLE FORCEPS



MADE IN THE USA



ITEM NO.	DESCRIPTION	SHAFT	WORKING LENGTH	TOTAL LENGTH
24528-32	2.5 MM WIDTH DEBAKEY JAWS WITHOUT RATCHET	5MM	6¼" (16 CM)	12½" (32 CM)
24510-36	2.5 MM WIDTH RESANO JAWS WITHOUT RATCHET		8" (20 CM)	14¼" (36 CM)
24511-36	2.5 MM WIDTH RESANO JAWS WITH RATCHET			
24512-36	6 MM WIDTH RUSSIAN JAWS WITHOUT RATCHET			
24513-36	6 MM WIDTH RUSSIAN JAWS WITH RATCHET			
24516-36	2 MM WIDTH PLATFORM DIAMOND DUST™ JAWS WITHOUT RATCHET			
24517-36	2 MM WIDTH PLATFORM DIAMOND DUST™ JAWS WITH RATCHET			
24520-36	1.5 MM WIDTH DEBAKEY JAWS WITHOUT RATCHET			
24521-36	1.5 MM WIDTH DEBAKEY JAWS WITH RATCHET			
24522-36	2.5 MM WIDTH DEBAKEY JAWS WITHOUT RATCHET			
24523-36	2.5 MM WIDTH DEBAKEY JAWS WITH RATCHET			
24524-36	3.5 MM WIDTH DEBAKEY JAWS WITHOUT RATCHET			
24525-36	3.5 MM WIDTH DEBAKEY JAWS WITH RATCHET			



TO ORDER CALL: (224) 353-6446



NODULE CLAMPS



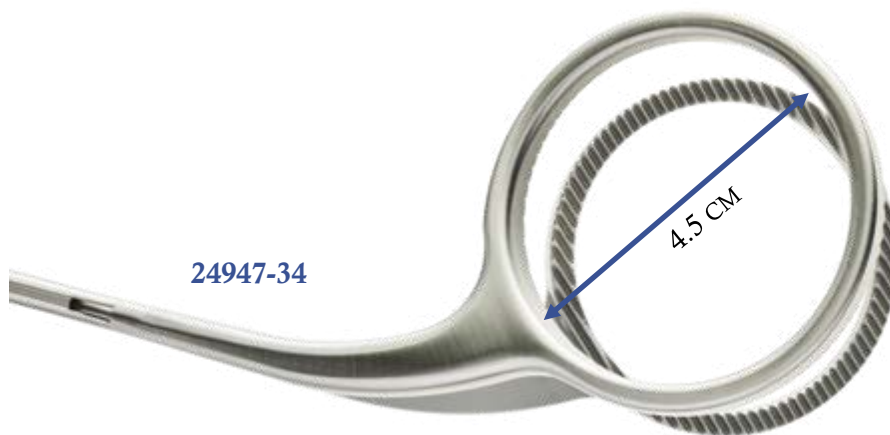
MADE IN THE USA

ROCCO NODULE CLAMPS



24946-34

3.0 CM



24947-34

4.5 CM

ITEM NO.	DESCRIPTION	SUGGESTED NODULE SIZE	SHAFT	WORKING LENGTH	TOTAL LENGTH
24946-34	CURVED LEFT RING JAWS, 3CM INNER DIAMETER AND 3.7 CM OUTER DIAMETER WITH RATCHET	UP TO 1CM	10MM	9½" (24CM)	13¼" (33.5CM)
24947-34	CURVED LEFT RING JAWS 4.5 CM INNER DIAMETER AND 5.2 CM OUTER DIAMETER, WITH RATCHET	BETWEEN 1 & 1.5CM			





GRASPING CLAMPS



MADE IN THE USA

GONZALEZ-RIVAS LUNG GRASPING CLAMP



ITEM NO.	DESCRIPTION	SHAFT	WORKING LENGTH	TOTAL LENGTH
24230-25	HIGH TENSION CURVED LEFT 20 MM OVAL RING JAWS WITH RATCHET	7MM TAPERED TO 10MM	5¾" (14.5CM)	9¾" (24.5 CM)

KHAN DECORTICATION GRASPER



KAHN DECORTICATION GRASPER JAWS COMPARED TO FOERSTER CLAMP JAWS

24940—KHAH DECORTIFICATION GRASPER

24920—FOERSTER LUNG CLAMP



ITEM NO.	DESCRIPTION	SHAFT	WORKING LENGTH	TOTAL LENGTH
24940-34	ENHANCED SERRATIONS CURVED LEFT JAWS WITH RATCHET	10MM	9½" (24 CM)	13¼" (33.5 CM)



TO ORDER CALL: (224) 353-6446



GRASPING CLAMPS



MADE IN THE USA

FOERSTER LUNG GRASPING CLAMP



#24229-34



#24237-42

ITEM NO.	DESCRIPTION	SHAFT	WORKING LENGTH	TOTAL LENGTH
24229-34	CURVED LEFT 20 MM OVAL RING JAWS WITH RATCHET	5MM TAPERED TO 7MM	9¼" (23.5CM)	13¼" (33.5CM)
24237-42			12½" (32CM)	16½" (41.9 CM)





GRASPING CLAMPS

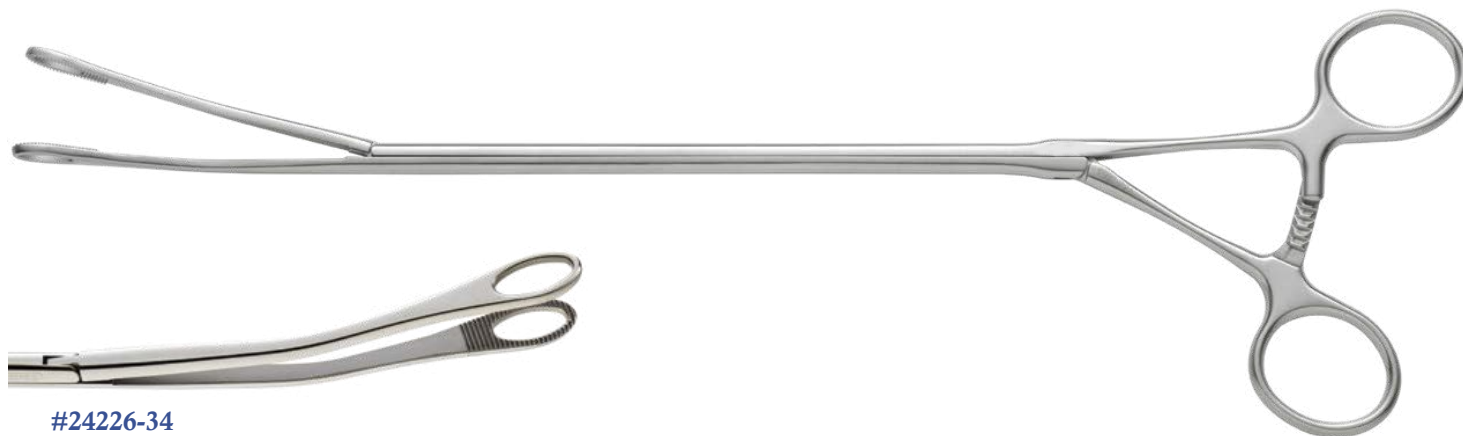


MADE IN THE USA

FOERSTER LUNG GRASPING CLAMP



ITEM NO.	DESCRIPTION	SHAFT	WORKING LENGTH	TOTAL LENGTH
24227-29	CURVED RIGHT JAWS (LEFT-HAND STYLE) 12 MM OVAL RING JAWS, WITH RATCHET	7MM	7½" (19CM)	11½" (29CM)
24228-29	CURVED LEFT JAWS 12 MM OVAL RING JAWS WITH RATCHET			



ITEM NO.	DESCRIPTION	SHAFT	WORKING LENGTH	TOTAL LENGTH
24226-34	CURVED LEFT JAWS 12 MM OVAL RING JAWS WITH RATCHET	7 MM	9¼" (23.5 CM)	13¼" (33.5 CM)



TO ORDER CALL: (224) 353-6446



GRASPING CLAMPS



MADE IN THE USA

FOERSTER LUNG GRASPING CLAMP



#24921-29



#24922-29

ITEM NO.	DESCRIPTION	SHAFT	WORKING LENGTH	TOTAL LENGTH
24921-29	CURVED RIGHT JAWS (LEFT-HAND STYLE) 20 MM OVAL RING JAWS WITH RATCHET	10 MM	7½" (19CM)	11½" (29CM)
24922-29	CURVED LEFT JAWS 20 MM OVAL RING JAWS WITH RATCHET			





GRASPING CLAMPS



MADE IN THE USA

FOERSTER LUNG GRASPING CLAMP



#24923-33



#24919-43

ITEM NO.	DESCRIPTION	SHAFT	WORKING LENGTH	TOTAL LENGTH
24923-33	DEEP CURVED LEFT JAWS 20 MM OVAL RING JAWS WITH RATCHET	10 MM	9½" (24 CM)	11½" (29CM)
24919-43	CURVED LEFT JAWS 20 MM OVAL RING JAWS WITH RATCHET		12½" (32CM)	16¾" (42.4 CM)



TO ORDER CALL: (224) 353-6446

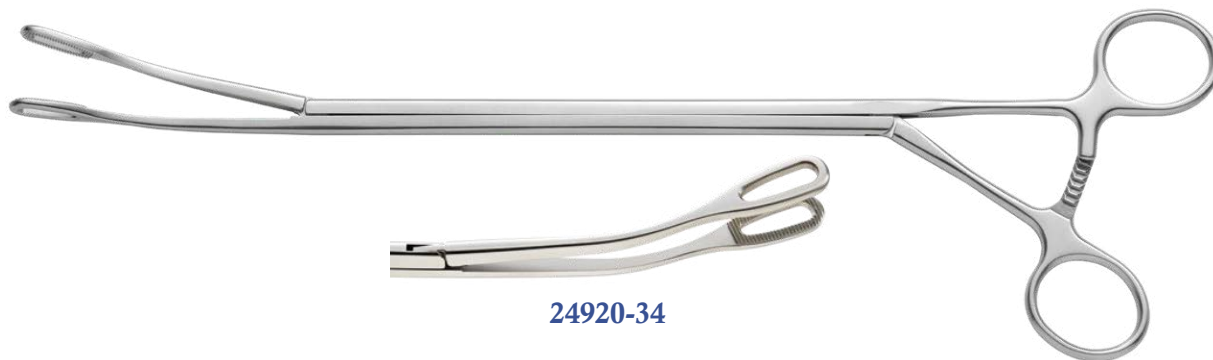


GRASPING CLAMPS



MADE IN THE USA

FOERSTER LUNG GRASPING CLAMP



24920-34



24925-43



24924-34

ITEM NO.	DESCRIPTION	SHAFT	WORKING LENGTH	TOTAL LENGTH
24920-34	CURVED LEFT JAWS	10 MM	9½" (24 CM)	13¼" (33.5 CM)
24925-43	20 MM OVAL RING JAWS WITH RATCHET		12½" (32 CM)	16¾" (42.4 CM)
24924-34	CURVED LEFT JAWS 25 X 35 MM OVAL RING JAWS WITH RATCHET		9½" (24 CM)	13¼" (33.5 CM)



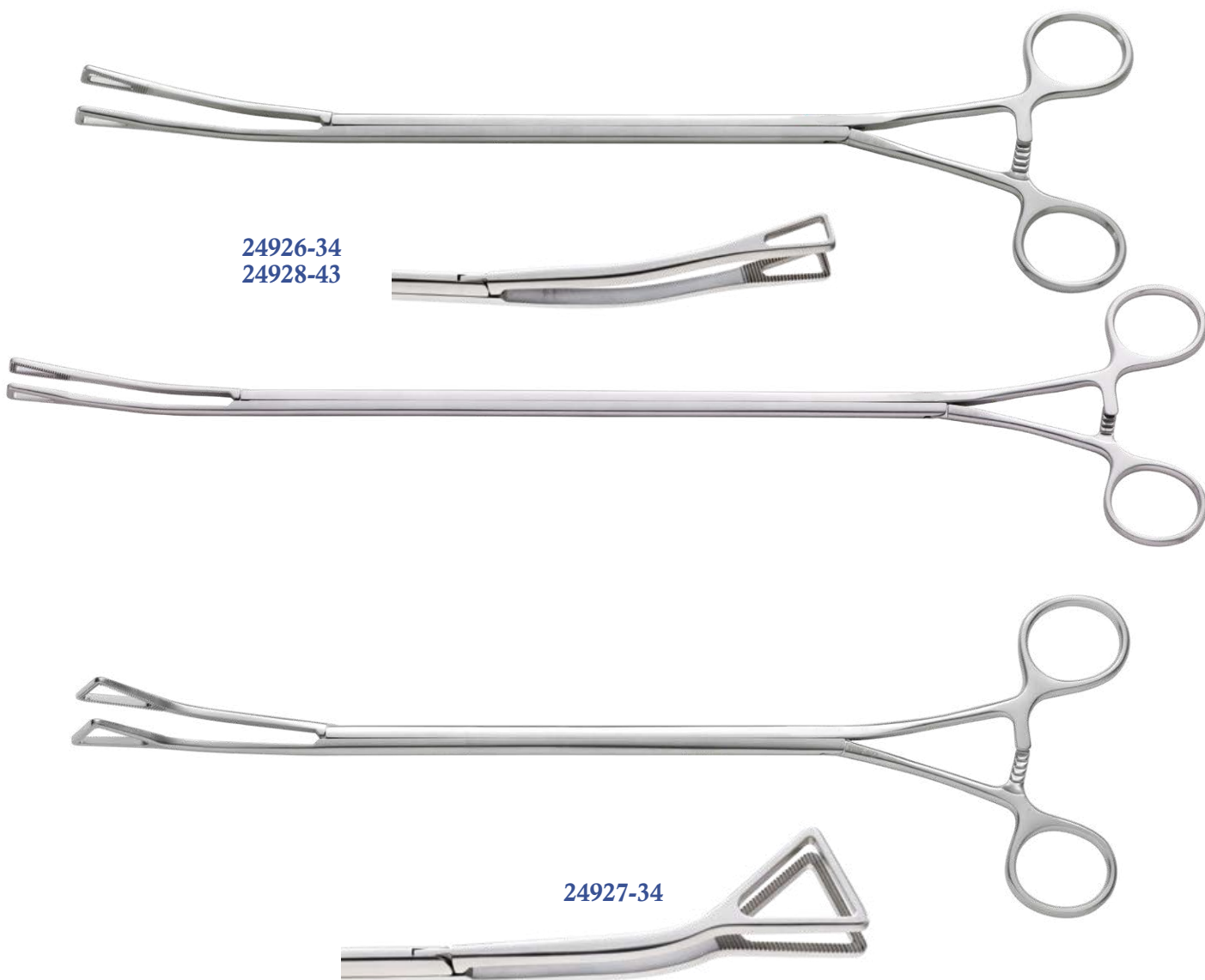


GRASPING CLAMPS



MADE IN THE USA

DUVAL LUNG GRASPING CLAMPS



ITEM NO.	DESCRIPTION	SHAFT	WORKING LENGTH	TOTAL LENGTH
24926-34	CURVED LEFT JAWS	10 MM	9½" (23.5 CM)	13½" (34 CM)
24928-43	1.0 CM WIDTH TRIANGULAR RING JAWS WITH RATCHET		12½" (32 CM)	16¾" (42.4 CM)
24927-34	CURVED LEFT JAWS 2.5 CM WIDTH TRIANGULAR RING JAWS WITH RATCHET		9¼" (23.5 CM)	13½" (34 CM)



TO ORDER CALL: (224) 353-6446

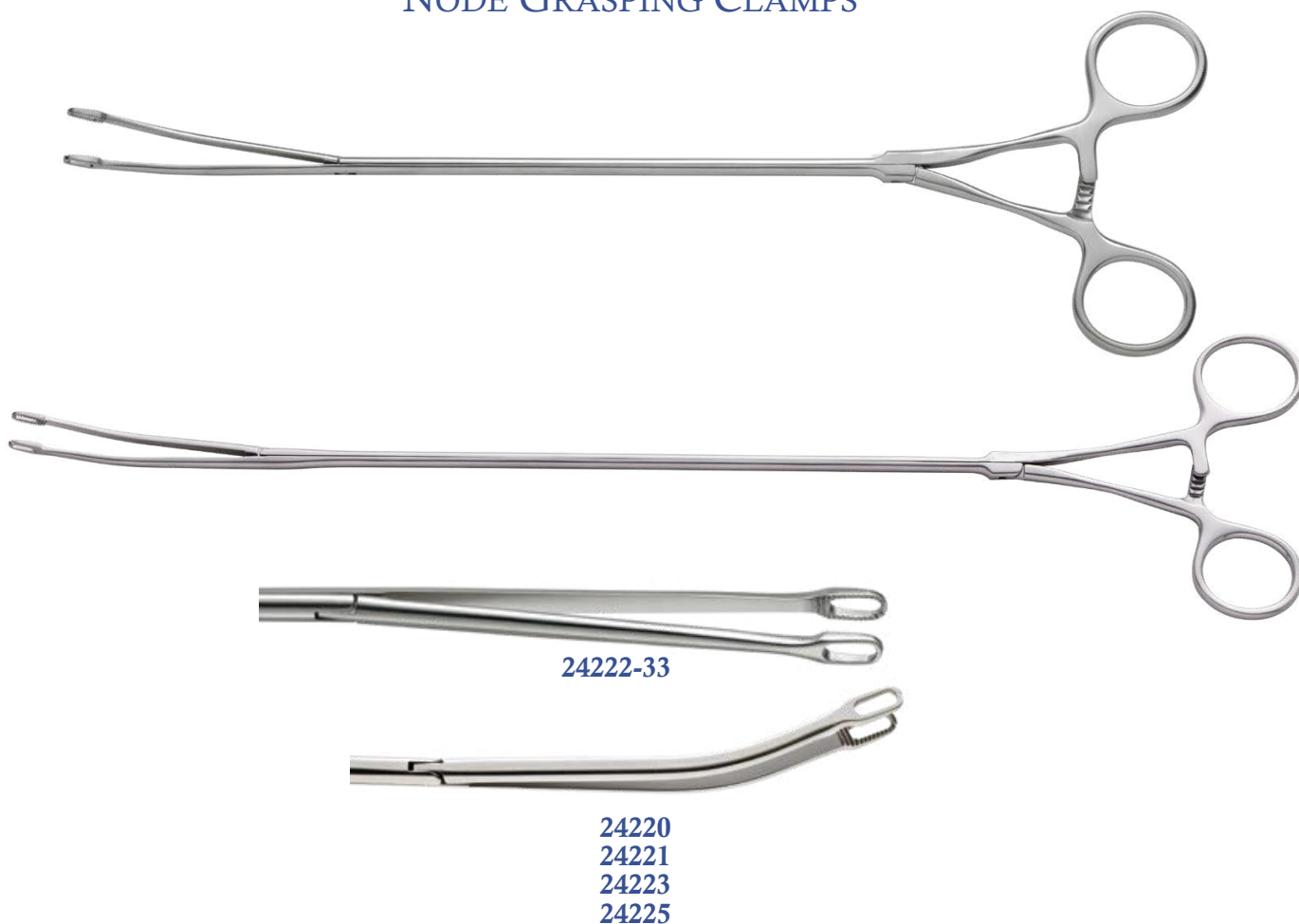


GRASPING CLAMPS



MADE IN THE USA

NODE GRASPING CLAMPS



ITEM NO.	DESCRIPTION	SHAFT	WORKING LENGTH	TOTAL LENGTH
24222-33	STRAIGHT JAWS 11 MM OBLONG RING JAWS WITH RATCHET	5MM	9" (23 CM)	13" (33CM)
24223-33	CURVED JAWS 11 MM OBLONG RING JAWS WITH RATCHET			
24225-13	CURVED JAWS 11 MM OBLONG RING JAWS WITHOUT RATCHET			
24220-43	CURVED JAWS 11 MM OBLONG RING JAWS WITH RATCHET	5 MM TAPERED TO 7 MM	12½" (32 CM)	16¾" (42.4 CM)
24221-43	CURVED JAWS 11 MM OBLONG RING JAWS WITHOUT RATCHET			





DISSECTORS



MADE IN THE USA

GONZALEZ-RIVAS DISSECTOR



24210
24211
24214
24215
24216
24217



24212
24213

GONZALEZ-RIVAS DISSECTOR REGULAR JAW TIPS
COMPARED TO FINE JAW TIPS



24210-19 & 24211-29

REGULAR JAW TIPS



24212-29 & 24213-29

REGULAR JAW TIPS

ITEM NO.	DESCRIPTION	SHAFT	WORKING LENGTH	TOTAL LENGTH
24210-29	MIXTER-STYLE 1 x 2 DeBAKEY JAWS WITH RATCHET	5 MM	7½" (19 CM)	11½" (29 CM)
24211-29	MIXTER-STYLE 1 x 2 DeBAKEY JAWS WITHOUT RATCHET			
24212-29	MIXTER-STYLE 1 x 2 DeBAKEY JAWS FINE TIPS WITH RATCHET			
24213-29	MIXTER-STYLE 1 x 2 DeBAKEY JAWS FINE TIPS WITHOUT RATCHET			
24214-34	MIXTER-STYLE 1 x 2 DeBAKEY JAWS WITH RATCHET	5 MM TO 7 MM TAPERED	9½" (24 CM)	13½" (34 CM)
24215-34	MIXTER-STYLE 1 x 2 DeBAKEY JAWS WITHOUT RATCHET			
24216-42	MIXTER-STYLE 1 x 2 DeBAKEY JAWS WITH RATCHET	5 MM TO 7 MM TAPERED	12½" (32 CM)	16½" (41.9 CM)
24217-42	MIXTER-STYLE 1 x 2 DeBAKEY JAWS WITHOUT RATCHET			



TO ORDER CALL: (224) 353-6446

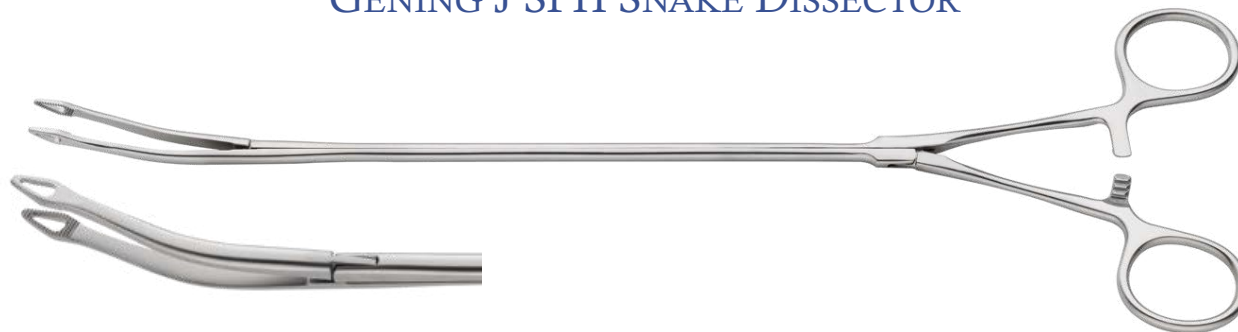


DISSECTORS



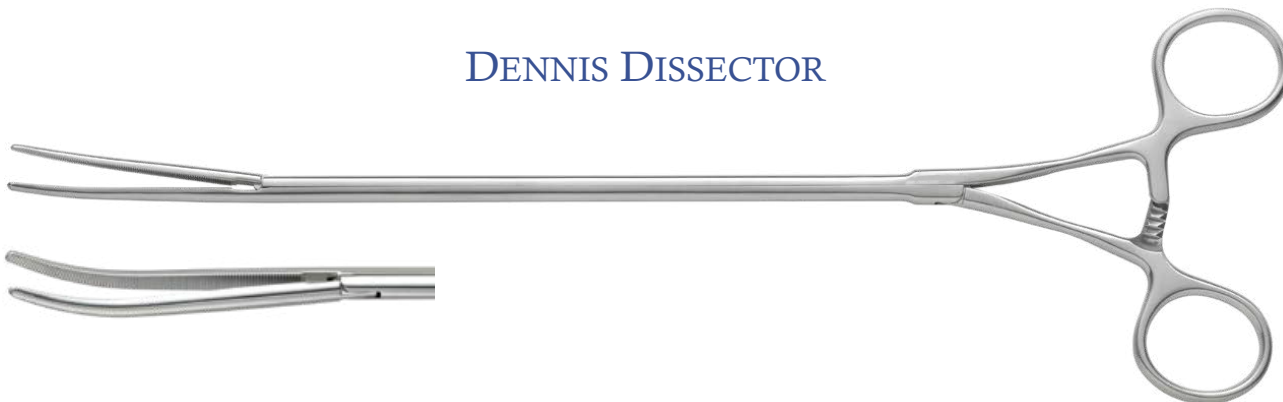
MADE IN THE USA

GENING J SPH SNAKE DISSECTOR



ITEM NO.	DESCRIPTION	SHAFT	WORKING LENGTH	TOTAL LENGTH
24284-34	CURVED DISSECTOR JAWS WITH RATCHET	5 MM TAPERED TO 7 MM	9¼" (23.5 CM)	13½" (34.4 CM)
24285-34	CURVED DISSECTOR JAWS WITHOUT RATCHET			
24286-43	CURVED DISSECTOR JAWS WITH RATCHET		12½" (32 CM)	16¾" (42.4 CM)
24287-43	CURVED DISSECTOR JAWS WITHOUT RATCHET			

DENNIS DISSECTOR



ITEM NO.	DESCRIPTION	SHAFT	WORKING LENGTH	TOTAL LENGTH
24280-34	CURVED LEFT JAWS SERRATED JAWS WITH RATCHET	7 MM	9" (23 CM)	13¼" (33.5 CM)
24281-34	CURVED LEFT JAWS SERRATED JAWS WITHOUT RATCHET			
24282-43	CURVED LEFT JAWS SERRATED JAWS WITH RATCHET	5 MM TAPERED TO 7 MM	12.5" (32 CM)	16¾" (42.4 CM)
24283-43	CURVED LEFT JAWS SERRATED JAWS WITHOUT RATCHET			



WE DESIGN, MANUFACTURE & SELL THE TOOLS THE SURGEONS USE

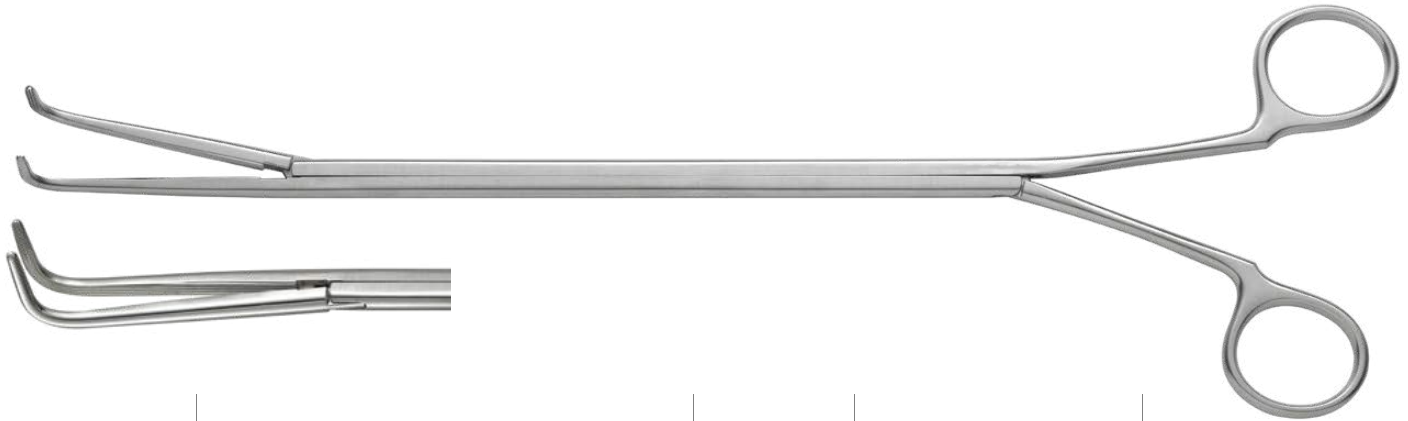


CLAMPS



MADE IN THE USA

DEBAKEY COOLEY CLAMPS



ITEM NO.	DESCRIPTION	SHAFT	WORKING LENGTH	TOTAL LENGTH
24202-34	DEBAKEY COOLEY JAWS WITH RATCHET	10 MM	9½" (24 CM)	13½" (34 CM)
24203-34	DEBAKEY COOLEY JAWS WITHOUT RATCHET			



TO ORDER CALL: (224) 353-6446

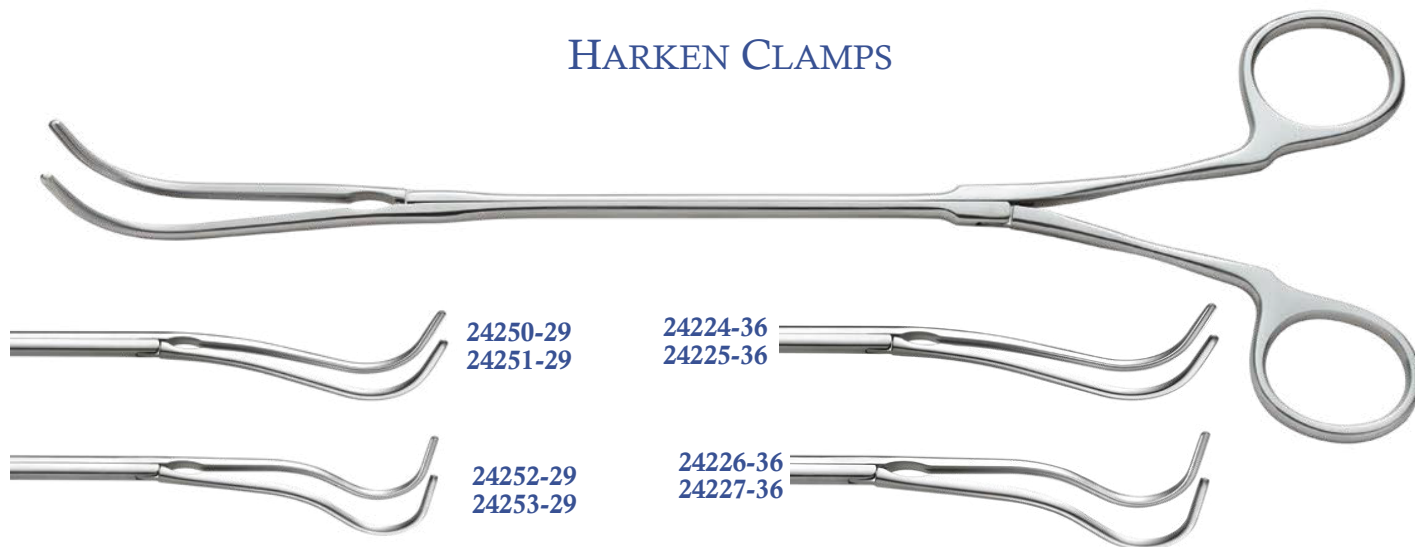


CLAMPS



MADE IN THE USA

HARKEN CLAMPS



ITEM NO.	DESCRIPTION		SHAFT	WORKING LENGTH	TOTAL LENGTH
24250-29	HARKEN #1	7.5 CM JAWS TAPERED 1x2 DEBAKEY JAWS WITHOUT	5 MM TO 7 MM TAPERED	7½" (19 CM)	11½" (29 CM)
24251-29		7.5 CM JAWS TAPERED 1x2 DEBAKEY JAWS WITH			
24252-29	HARKEN #2	7.5 CM JAWS TAPERED 1x2 DEBAKEY JAWS WITHOUT			
24253-29		7.5 CM JAWS TAPERED 1x2 DEBAKEY JAWS WITH RATCHET			
24224-36	HARKEN #1	9.5 CM JAWS TAPERED 1x2 DEBAKEY JAWS WITHOUT	10 MM	9⅞" (25 CM)	14" (35.6 CM)
24225-36		9.5 CM JAWS TAPERED 1x2 DEBAKEY JAWS WITH RATCHET			
24226-36	HARKEN #2	9.5 CM JAWS TAPERED 1x2 DEBAKEY JAWS WITHOUT			
24227-36		9.5 CM JAWS TAPERED 1x2 DEBAKEY JAWS WITH RATCHET			



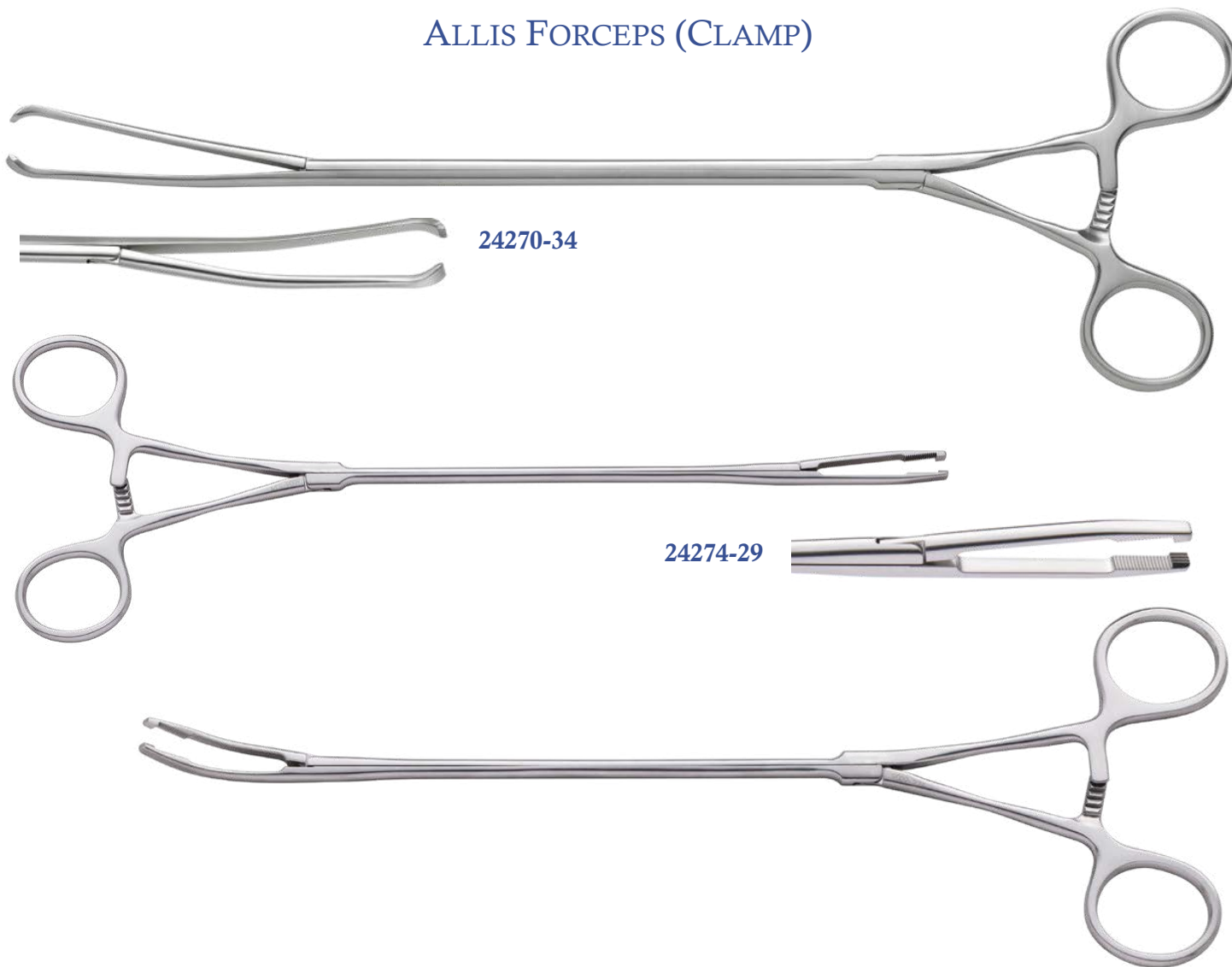


CLAMPS



MADE IN THE USA

ALLIS FORCEPS (CLAMP)



ITEM NO.	DESCRIPTION	SHAFT	WORKING LENGTH	TOTAL LENGTH
24270-34	CURVED LEFT JAWS 6 MM WIDTH JAWS WITH RATCHET	7 MM	9" (23 CM)	13¼" (33.5CM)
24274-29	STRAIGHT JAWS 4 MM WIDTH JAWS WITH RATCHET	5 MM TAPERED TO 7 MM	7½" (19 CM)	11½" (29 CM)
24275-29	CURVED LEFT JAWS 4 MM WIDTH JAWS WITH RATCHET			



TO ORDER CALL: (224) 353-6446



CLAMPS



MADE IN THE USA

D'AMICO DeBAKEY CLAMPS



D'AMICO TAPERED JAW TIP
COMPARED TO CHITWOOD DeBAKEY
JAW TIP

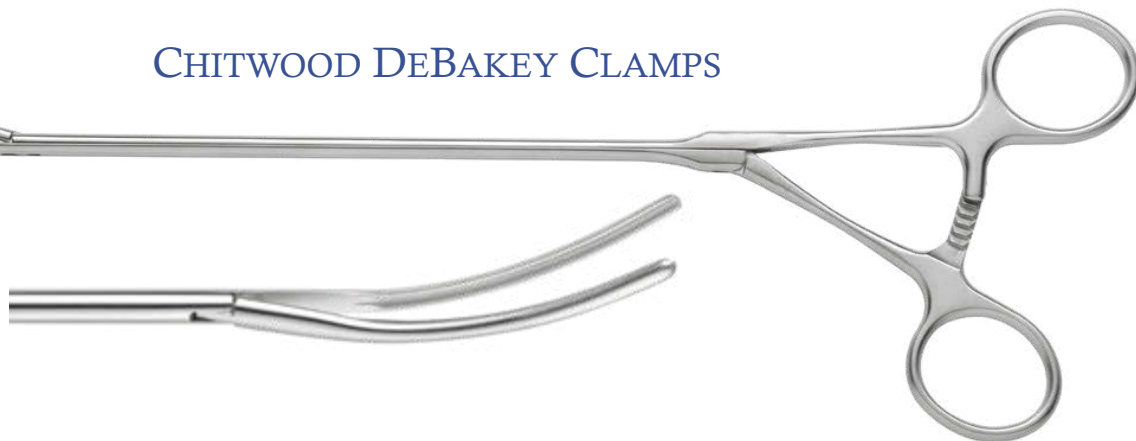
24221-37
D'AMICO CURVED
TAPERED 1 x 2 DeBAKEY
JAWS

24912-13
CHITWOOD CURVED 1 x 2
DeBAKEY JAWS

ITEM NO.	DESCRIPTION	SHAFT	WORKING LENGTH	TOTAL LENGTH
24219-37	CURVED LEFT JAWS TAPERED 1x2 DeBAKEY JAWS 11CM JAW LENGTH WITHOUT RATCHET	10 MM	10" (25.4)	14½" (37 CM)
24221-37	CURVED LEFT JAWS TAPERED 1x2 DeBAKEY JAWS 11CM JAW LENGTH WITH RATCHET			
24222-38	STRAIGHT JAWS TAPERED 1x2 DeBAKEY JAWS 11.5 CM JAW LENGTH WITH RATCHET		10½" (27 CM)	14¾" (37.5 CM)

CHITWOOD DeBAKEY CLAMPS

24240-31
24241-31



ITEM NO.	DESCRIPTION	SHAFT	WORKING LENGTH	TOTAL LENGTH
24240-31	6 CM JAW LENGTH CURVED LEFT JAWS 1 x 2 DeBAKEY JAWS WITH RATCHET	5 MM	8¼" (21 CM)	12¼" (31 CM)
24241-31	6 CM JAW LENGTH CURVED LEFT JAWS 1 x 2 DeBAKEY JAWS WITHOUT RATCHET			



WE DESIGN, MANUFACTURE & SELL THE TOOLS THE SURGEONS USE



CLAMPS



MADE IN THE USA

CHITWOOD DeBAKEY CLAMPS



24912-33



24912-13-36



24232-36



24232-36

2 x 3 DeBAKEY JAWS



24912-13-36

1 x 2 DeBAKEY JAWS

ITEM NO.	DESCRIPTION	SHAFT	WORKING LENGTH	TOTAL LENGTH
24912-33	6.5 CM JAW LENGTH 1x2 DeBAKEY JAWS CURVED LEFT JAWS WITH RATCHET	10 MM	9" (23 CM)	12¾" (32.5 CM)
24912-13-36	10 CM JAW LENGTH 1x2 DeBAKEY JAWS CURVED LEFT JAWS WITH RATCHET		10" (25.4 CM)	14¼" (36 CM)
24232-36	10 CM JAW LENGTH 2x3 DeBAKEY JAWS CURVED LEFT JAWS WITH RATCHET			



TO ORDER CALL: (224) 353-6446

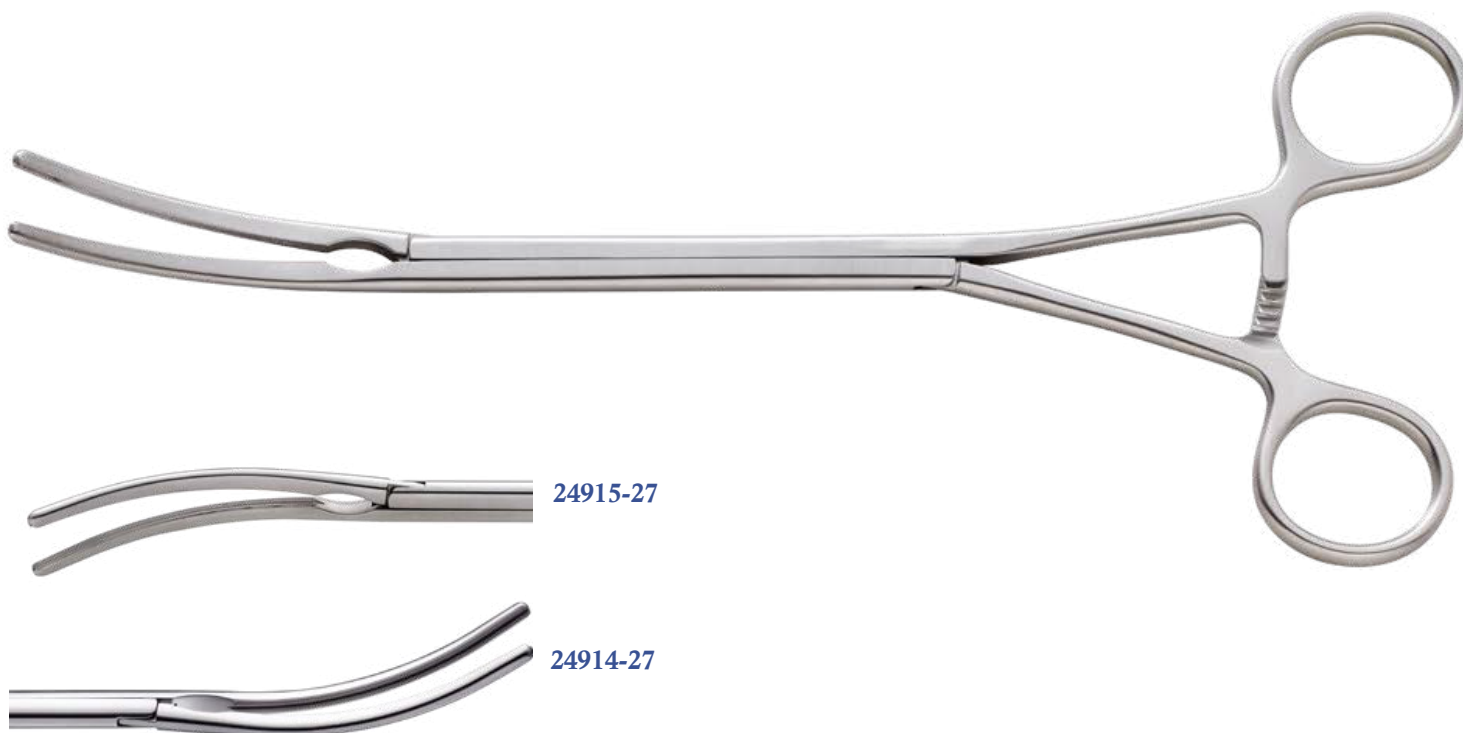


CLAMPS



MADE IN THE USA

CHITWOOD DEBAKEY CLAMPS



ITEM NO.	DESCRIPTION	SHAFT	WORKING LENGTH	TOTAL LENGTH
24914-27	7 CM JAW LENGTH CURVED LEFT JAW 1x2 DEBAKEY JAWS WITH RATCHET	10 MM	6 ³ / ₄ " (17 CM)	10 3/8" (26.4 CM)
24915-27	7 CM JAW LENGTH CURVED RIGHT JAW 1x2 DEBAKEY JAWS WITH RATCHET			





CLAMPS



MADE IN THE USA

CHITWOOD DeBAKEY CLAMPS



ITEM NO.	DESCRIPTION	SHAFT	WORKING LENGTH	TOTAL LENGTH
24234-21	8 CM JAW LENGTH CURVED LEFT JAWS 2 X 3 DeBAKEY JAWS ANGLED SHANKS	10 MM	5 1/8" (13CM)	8" (20.5 CM)



ITEM NO.	DESCRIPTION	SHAFT	WORKING LENGTH	TOTAL LENGTH
24913-25	7 CM JAW LENGTH CURVED LEFT JAWS 1 X 2 DeBAKEY JAWS ANGLED SHANKS	10 MM	6 3/4" (17 CM)	9 3/4" (24.8 CM)



TO ORDER CALL: (224) 353-6446

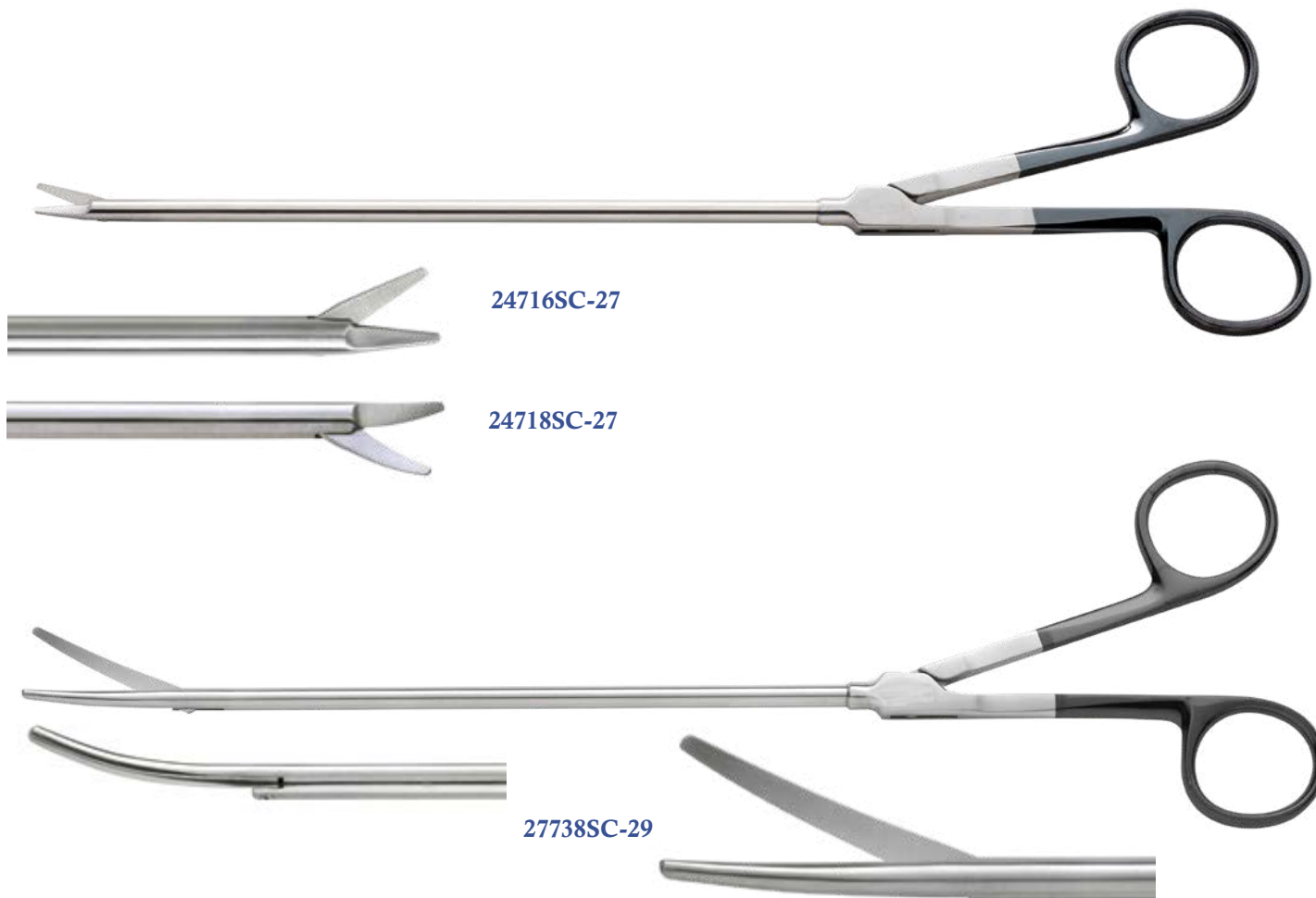


SCISSORS



MADE IN THE USA

SUPER CUT™ SCISSORS



ITEM NO.	DESCRIPTION	SHAFT	WORKING LENGTH	TOTAL LENGTH
24716SC-27	STRAIGHT FINE BLADES 1 CM BLADE LENGTH BLUNT	5 MM	6½" (16.5 CM)	10½" (27 CM)
24718SC-27	CURVED FINE BLADES 1 CM BLADE LENGTH BLUNT		6½" (16.5 CM)	10½" (27 CM)
24738SC-29	CHITWOOD DISSECTING SCISSORS CURVED BLADES 3 CM BLADE LENGTH BLUNT TIPS		7¼" (18.5 CM)	11½" (29 CM)





SCISSORS



MADE IN THE USA

SUPER CUT™ SCISSORS



METZENBAUM SCISSORS

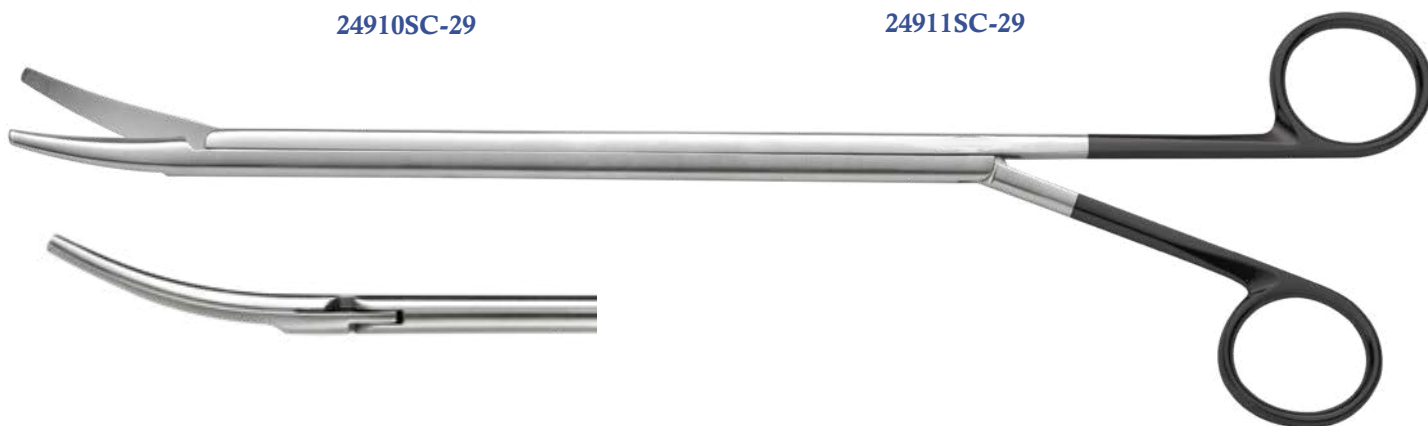
ITEM NO.	DESCRIPTION	SHAFT	WORKING LENGTH	TOTAL LENGTH
24710SC-42	CURVED BLADES 3.1 CM BLADE LENGTH BLUNT TIPS	10 MM	12½" (32 CM)	16½" (42.1CM)
24910SC-29	CURVED BLADES 3.5 CM BLADE LENGTH BLUNT TIPS		7¾" (19.5 CM)	11½" (29 CM)
24911SC-29	CURVED BLADES 3.5 CM BLADE LENGTH BLUNT TIPS			



24910SC-29



24911SC-29



TO ORDER CALL: (224) 353-6446



ROCCO ADVENTITIA ELEVATOR (FORCEPS)



ITEM NO.	DESCRIPTION	SHAFT	WORKING LENGTH	TOTAL LENGTH
24500-33	DIAMOND DUST™ JAWS CURVED DOWN WITHOUT RATCHET RING HANDLE CURVED DOWN	5 MM	8" (20 CM)	12¾" (32.5 CM)





NEEDLE HOLDERS



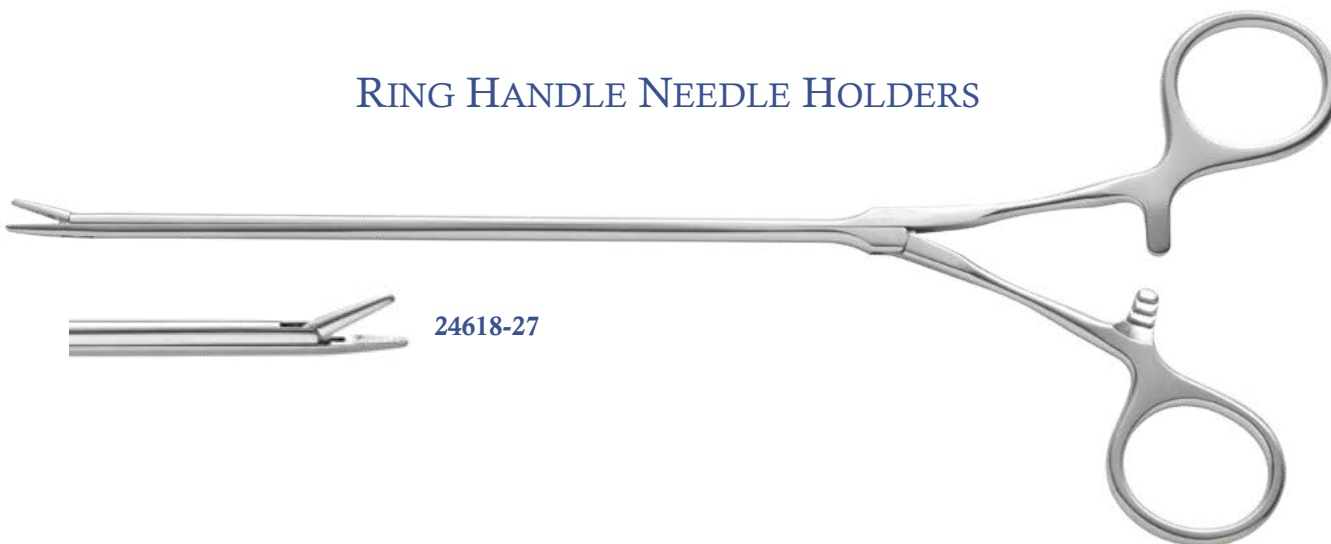
MADE IN THE USA

SPRING STYLE NEEDLE HOLDERS



ITEM NO.	DESCRIPTION	SUTURE SIZE	SHAFT	WORKING LENGTH	TOTAL LENGTH
24648-39	STRAIGHT DIAMOND DUST™ JAWS WITH RATCHET	5-0 AND SMALLER	5MM	6½" (16.5CM)	153/8" (38.5CM)
24650-39	CURVED DIAMOND DUST™ JAWS WITH RATCHET				

RING HANDLE NEEDLE HOLDERS



ITEM NO.	DESCRIPTION	SUTURE SIZE	SHAFT	WORKING LENGTH	TOTAL LENGTH
24618-27	STRAIGHT JAWS FINE DIAMOND DUST™ JAWS WITH RATCHET	5-0 AND SMALLER	5 MM	6½" (16.5CM)	10½" (27CM)



TO ORDER CALL: (224) 353-6446



NEEDLE HOLDERS

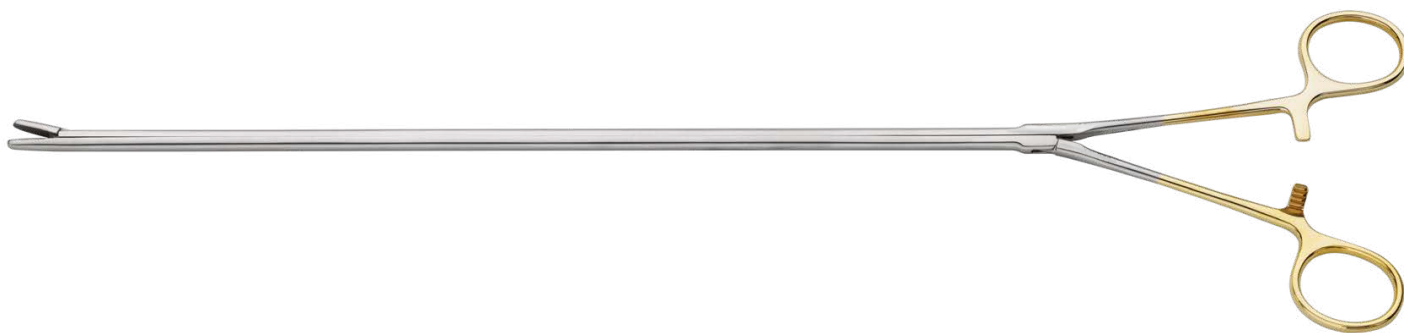


MADE IN THE USA

RING HANDLE NEEDLE HOLDERS



ITEM NO.	DESCRIPTION	SUTURE SIZE	SHAFT	WORKING LENGTH	TOTAL LENGTH
24636-29	STRAIGHT JAWS CARBON-INLAY JAWS GOLD RING HANDLE WITH RATCHET	4-0 AND SMALLER	7MM	6¼" (16CM)	11¼" (28.5CM)
24637-29	CURVED JAWS CARBON-INLAY JAWS GOLD RING				
24638-29	STRAIGHT JAWS CARBON-INLAY JAWS GOLD RING	2-0 AND SMALLER			
24639-29	CURVED JAWS CARBON-INLAY JAWS GOLD RING				



ITEM NO.	DESCRIPTION	SUTURE SIZE	SHAFT	WORKING LENGTH	TOTAL LENGTH
24644-45	STRAIGHT JAWS CARBON-INLAY JAWS GOLD RING HANDLE WITH RATCHET	2-0 AND SMALLER	7 MM	12½" (32CM)	17½" (44.5CM)
24645-45	CURVED JAWS CARBON-INLAY JAWS GOLD RING HANDLE WITH RATCHET				



WE DESIGN, MANUFACTURE & SELL THE TOOLS THE SURGEONS USE



NEEDLE HOLDERS

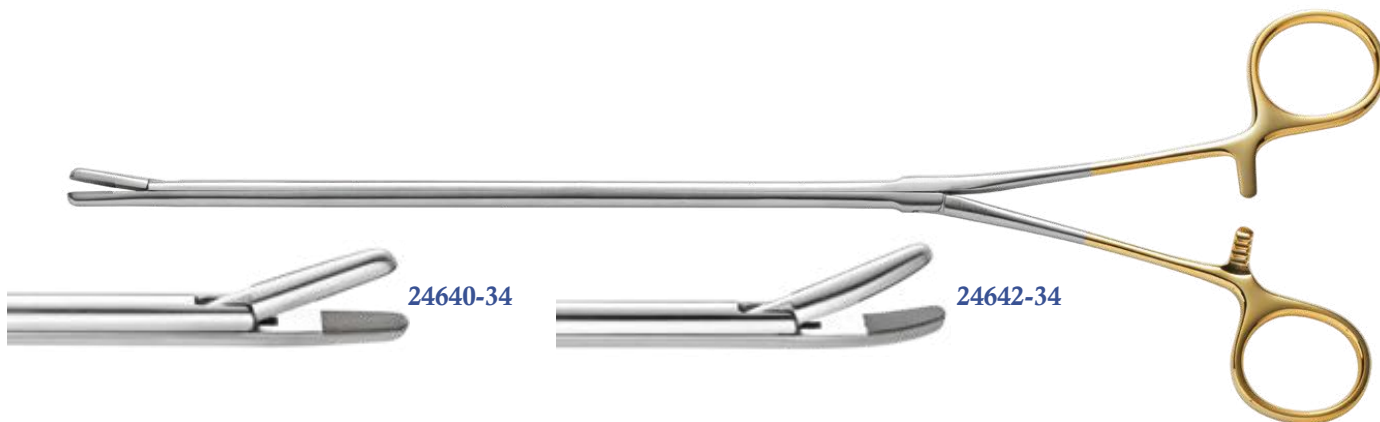


MADE IN THE USA

RING HANDLE NEEDLE HOLDERS



ITEM NO.	DESCRIPTION	SUTURE SIZE	SHAFT	WORKING LENGTH	TOTAL LENGTH
24610-34	STRAIGHT JAWS CARBON-INLAY JAWS GOLD RING HANDLE WITH RATCHET	2-0 AND SMALLER	10MM	8¼" (21CM)	13½" (34CM)
24612-34	CURVED JAWS CARBON-INLAY JAWS GOLD RING HANDLE WITH RATCHET				



ITEM NO.	DESCRIPTION	SUTURE SIZE	SHAFT	WORKING LENGTH	TOTAL LENGTH
24610-34	STRAIGHT JAWS CARBON-INLAY JAWS GOLD RING HANDLE WITH RATCHET	2-0 AND SMALLER	10MM	8¼" (21CM)	13½" (34CM)
24612-34	CURVED JAWS CARBON-INLAY JAWS GOLD RING HANDLE WITH RATCHET				



TO ORDER CALL: (224) 353-6446



NEEDLE HOLDERS



MADE IN THE USA

AXIAL HANDLE NEEDLE HOLDERS



24540-37
24541-37



24550-37
24551-37



24542-37
24543-37



24552-37
24553-37

ITEM NO.	DESCRIPTION	SUTURE SIZE	SHAFT	WORKING LENGTH	TOTAL LENGTH
24540-37	STRAIGHT DIAMOND DUST™ JAWS WITHOUT RATCHET	7-0 AND SMALLER	5MM	8" (20CM)	14 3/8" (36.5CM)
24541-37	STRAIGHT DIAMOND DUST™ JAWS WITH RATCHET				
24542-37	CURVED DIAMOND DUST™ JAWS WITHOUT RATCHET				
24543-37	CURVED DIAMOND DUST™ JAWS WITH RATCHET				
24550-37	STRAIGHT DIAMOND DUST™ JAWS WITHOUT RATCHET	5-0 AND SMALLER	6MM	8" (20CM)	14 3/8" (36.5CM)
24551-37	STRAIGHT DIAMOND DUST™ JAWS WITH RATCHET				
24552-37	CURVED DIAMOND DUST™ JAWS WITHOUT RATCHET				
24553-37	CURVED DIAMOND DUST™ JAWS WITH RATCHET				



WE DESIGN, MANUFACTURE & SELL THE TOOLS THE SURGEONS USE



NEEDLE HOLDERS



MADE IN THE USA

AXIAL HANDLE NEEDLE HOLDERS



24570-37
24571-37



24560-37
24561-37



24572-37
24573-37



24562-37
24563-37

ITEM NO.	DESCRIPTION	SUTURE SIZE	SHAFT	WORKING LENGTH	TOTAL LENGTH
24570-37	STRAIGHT CARBON-INLAY JAWS GOLD TIPPED HANDLE WITHOUT RATCHET	2-0 & SMALLER	7MM	8" (20CM)	14 3/8" (36.5CM)
24571-37	STRAIGHT CARBON-INLAY JAWS GOLD TIPPED HANDLE WITH RATCHET				
24572-37	CURVED CARBON-INLAY JAWS GOLD TIPPED HANDLE WITHOUT RATCHET				
24573-37	CURVED CARBON-INLAY JAWS GOLD TIPPED HANDLE WITH RATCHET				
24560-37	STRAIGHT CARBON-INLAY JAWS GOLD TIPPED HANDLE WITHOUT RATCHET	4-0 & SMALLER	7MM	8" (20CM)	14 3/8" (36.5CM)
24561-37	STRAIGHT CARBON-INLAY JAWS GOLD TIPPED HANDLE WITH RATCHET				
24562-37	CURVED CARBON-INLAY JAWS GOLD TIPPED HANDLE WITHOUT RATCHET				
24563-37	CURVED CARBON-INLAY JAWS GOLD TIPPED HANDLE WITH RATCHET				



TO ORDER CALL: (224) 353-6446



KNOT PUSHERS



MADE IN THE USA

GONZALEZ-RIVAS KNOT PUSHER



ITEM NO.	DESCRIPTION	SHAFT	WORKING LENGTH	TOTAL LENGTH
24826-14-38	CURVED UP	5MM	11½" (27CM)	14¾" (37.5CM)
24826-17-43			12½" (32CM)	16¾" (42.4CM)

CHITWOOD KNOT PUSHER



ITEM NO.	DESCRIPTION	SUTURE SIZE	SHAFT	WORKING LENGTH	TOTAL LENGTH
24827-11-28	"TRAP MODEL"	2-0 & SMALLER	2-0 & SMALLER	5⅛" (13CM)	11" (28CM)
24827-12-31				5½" (14CM)	12" (30.5CM)
24827-13-35				6¾" (17CM)	13⅝" (34.6CM)
24827-15-39				8½" (21.5CM)	15 3/8" (39.1CM)





KNOT PUSHERS



MADE IN THE USA

CHITWOOD KNOT PUSHER



ITEM NO.	DESCRIPTION	SUTURE SIZE	SHAFT	WORKING LENGTH	TOTAL LENGTH
24282-32	ORIGINAL "TRAP MODEL"	2-0 & SMALLER	5MM	6 $\frac{1}{8}$ " (15.5CM)	12 $\frac{1}{2}$ " (32CM)
24282-15-39	ORIGINAL "TRAP MODEL"			8 $\frac{1}{2}$ " (21.5CM)	15 $\frac{3}{8}$ " (39.1CM)
24828-16-40	ORIGINAL "TRAP MODEL" LONG HANDLE			7 $\frac{1}{4}$ " (18.5CM)	15 $\frac{3}{4}$ " (40CM)



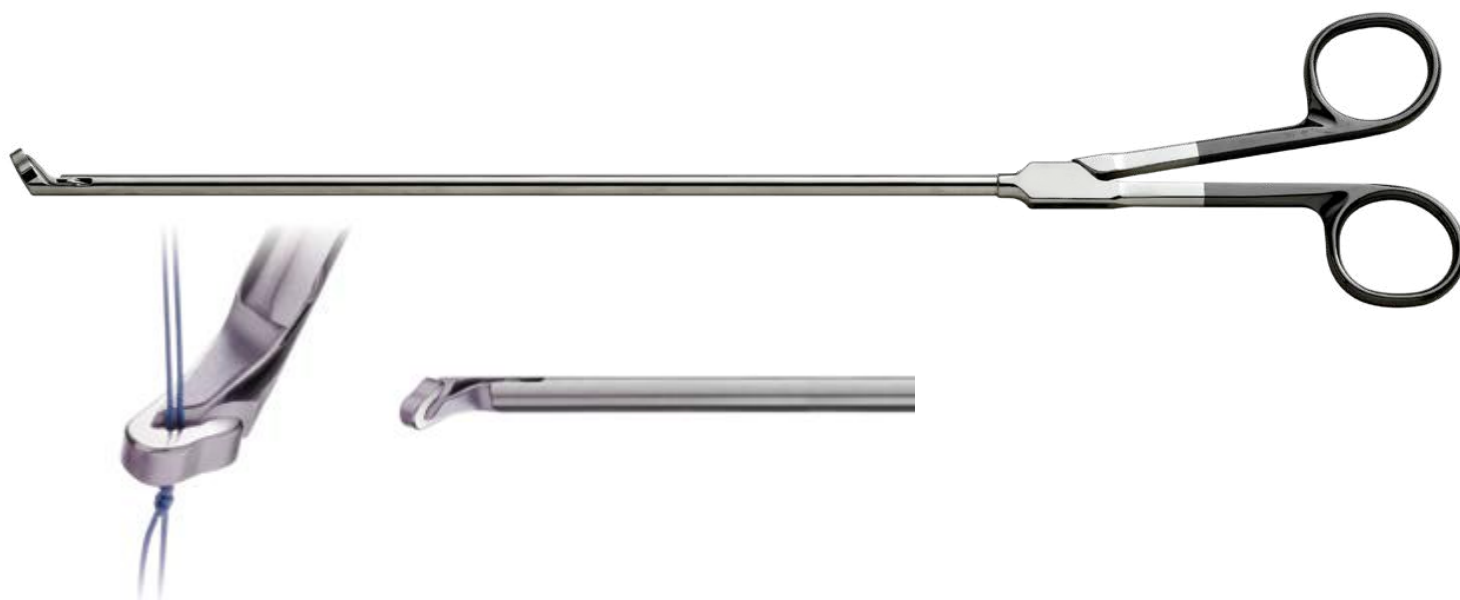
TO ORDER CALL: (224) 353-6446



CHITWOOD SUPER CUT™ SUTURE CUTTER



MADE IN THE USA



ITEM NO.	DESCRIPTION	SUTURE SIZE	SHAFT	WORKING LENGTH	TOTAL LENGTH
24838SC-28	"TRAP MODEL"	2-0 & SMALLER	5MM	7" (18CM)	11" (28CM)
24840SC-33				9" (23CM)	13" (33CM)
24842SC-38				11" (28CM)	15" (38CM)





SUCTION INSTRUMENTS



MADE IN THE USA

WOLF



VARIABLE SUCTION REGULATOR

ITEM NO.	DESCRIPTION	SHAFT	WORKING LENGTH	TOTAL LENGTH
24908-31	CURVED BLUNT TIP 6 MM WIDTH TIP	3.2MM	6 ³ / ₄ " (17CM)	12 ¹ / ₄ " (31CM)
24909-31	VARIABLE SUCTION CURVED BLUNT TIP 6 MM WIDTH TIP			
24910-36	CURVED BLUNT TIP 6 MM WIDTH TIP		8 ³ / ₄ " (22CM)	14 ¹ / ₄ " (36CM)
24911-36	VARIABLE SUCTION CURVED BLUNT TIP 6 MM WIDTH TIP			
24912-36	CURVED BLUNT TIP 6 MM WIDTH TIP	32.5 TO 5MM	8 ³ / ₄ " (22CM)	14 ¹ / ₄ " (36CM)
24913-36	VARIABLE SUCTION CURVED BLUNT TIP 6 MM WIDTH TIP			



TO ORDER CALL: (224) 353-6446



SUCTION INSTRUMENTS



MADE IN THE USA

DENNIS



VARIABLE SUCTION REGULATOR

ITEM NO.	DESCRIPTION	SHAFT	WORKING LENGTH	TOTAL LENGTH
24914-36	CURVED BLUNT TIP 7.5 MM WIDTH TIP	5MM	8 ³ / ₄ " (22CM)	14 ¹ / ₄ " (36CM)
24915-36	VARIABLE SUCTION CURVED BLUNT TIP 7.5 MM WIDTH TIP			
24916-46	CURVED BLUNT TIP 7.5 MM WIDTH TIP		12 ¹ / ₂ " (32CM)	17 ³ / ₄ " (45.5CM)
24917-46	VARIABLE SUCTION CURVED BLUNT TIP 7.5 MM WIDTH TIP			





SUCTION INSTRUMENTS



MADE IN THE USA

D'AMICO



VARIABLE SUCTION REGULATOR



ITEM NO.	DESCRIPTION	SHAFT	WORKING LENGTH	TOTAL LENGTH
24900-46	STRAIGHT BLUNT TIP 5 MM WIDTH TIP	5MM	12½" (32CM)	17¾" (45.5CM)
24901-46	VARIABLE SUCTION STRAIGHT BLUNT TIP 5 MM WIDTH TIP			

SUCTION ACCESSORIES



ITEM NO.	DESCRIPTION	TOTAL LENGTH
24905-49	BRUSH SET, PACK OF 10, FOR 5 MM D'AMICO AND 3.2 MM WOLF AND DENNIS SUCTION INSTRUMENTS	19" (48.3CM)
24922-49	BRUSH SET, PACK OF 10, FOR 10 MM D'AMICO SUCTION INSTRUMENTS	



TO ORDER CALL: (224) 353-6446



SUCTION INSTRUMENTS



MADE IN THE USA

D'AMICO



VARIABLE SUCTION REGULATOR



ITEM NO.	DESCRIPTION	SHAFT	WORKING LENGTH	TOTAL LENGTH
24920-46	STRAIGHT BLUNT TIP 10 MM WIDTH TIP	10MM	12½" (32CM)	17¾" (45.5CM)
24921-46	VARIABLE SUCTION STRAIGHT BLUNT TIP 10 MM WIDTH TIP			
24924-46	CURVED BLUNT TIP 10 MM WIDTH TIP			
24925-46	VARIABLE SUCTION CURVED BLUNT TIP 10 MM WIDTH TIP			





DENNIS RIB CUTTER



MADE IN THE USA



ITEM NO.	DESCRIPTION	SHAFT	WORKING LENGTH	TOTAL LENGTH
24900-34	10 MM BLADE 16 MM CUTTING WIDTH STRAIGHT SHAFT	10MM	11½" (29CM)	13½" (34CM)
24902-34	15 MM BLADE 25 MM CUTTING WIDTH STRAIGHT SHAFT			
24904-34	20 MM BLADE 25 MM CUTTING WIDTH STRAIGHT SHAFT			



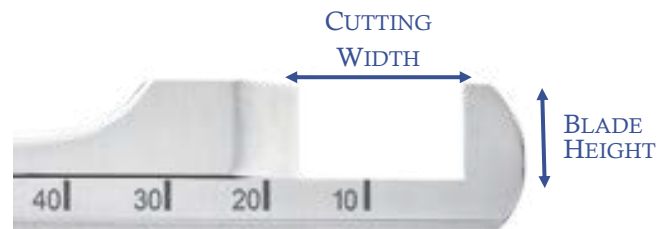
24900-34



24902-34



24904-34



ITEM NO.	BLADE HEIGHT	CUTTING WIDTH
24900-34	10MM	16MM
24902-34	15MM	25MM
2490434	20MM	25MM



TO ORDER CALL: (224) 353-6446



CHITWOOD SUTURE PULLER



MADE IN THE USA



24816-29



24820-29

ITEM NO.	DESCRIPTION	SHAFT	WORKING LENGTH	TOTAL LENGTH
24816-29	STRAIGHT 1.75MM TIP	3.1MM	7½" (19CM)	11½" (29CM)
24820-29	STRAIGHT 3.1MM TIP			





VIGORIMETER



MADE IN THE USA

THE OBJECTIVE MEASUREMENT OF THE MUSCULAR STRENGTH IS VERY IMPORTANT IN MEDICAL DIAGNOSIS. THE VIGORIMETER ASSURES AN ABSOLUTELY PRECISE AND RELIABLE OBSERVATION OF THE PATIENT'S MUSCULAR STRENGTH OF THE UPPER EXTREMITIES AND PARTICULARLY THE HANDS AND FINGERS.

THE PATIENT SQUEEZES ONE OF THE THREE BALLS WITH ALL POSSIBLE STRENGTH. THE MANOMETER GIVES THE RESPECTIVE READING. THE TEST MAY BE REPEATED AS OFTEN AS DESIRED.

WHEN TAKING THE TEST, HAVE PATIENT OPERATE THE VIGORIMETER THREE TIMES WITHOUT HIM SEEING THE GAUGE, THEN TAKE AN AVERAGE.



ITEM NO.	DESCRIPTION
12-17-01	VIGORIMETER, CONSISTING OF MANOMETER WITH RUBBER TUBING, THREE DIFFERENT SIZED RUBBER BALLS AND CASE
17-27-01-01	LARGE BULB
17-27-01-02	MEDIUM BULB
17-27-01-03	SMALL BULB
17-27-01-04	CONNECTOR FITTING FOR BULBS
17-27-01-05	CONNECTING HOSE WITH FITTING
17-27-01-06	VIGORIMETER GAUGE
17-27-01-07	COMPLETE CASE

FEATURES:

- ABSOLUTELY OBJECTIVE MEASUREMENT
- WIDE RANGE OF APPLICATION PERMITS TESTING OF INFANTS AND ADULTS, COMPLETE HAND OR FINGER STRENGTH
- RUBBER BALL IDEALLY ADAPTS ITSELF TO THE ANATOMICAL STRUCTURE OF THE HAND AND ITS NORMAL PERFORMANCE.

SELECTION OF RUBBER BALLS

- LARGE: ADULT MALE PATIENTS
- MEDIUM: FEMALE AND YOUNG PATIENTS
- SMALL: TESTING CHILDREN AND FINGER STRENGTH

NOTE: IT IS ESSENTIAL TO SELECT THE PROPER BALL SIZE AND MAINTAIN IT FOR CONSECUTIVE TESTS ON THE SAME PATIENT.

NORMAL VALUES OF HEALTHY PEOPLE:

ADULT MALE	0.8—1.3 KPT (BAR)
FEMALE ADULT	0.7—1.2 KPT (BAR)
ADOLESCENTS	0.4—1.2 KPT (BAR)
CHILDREN:	
3YRS	0.12 APPROX. (BAR)
5YRS	0.3—0.7 KPT (BAR)
7 YRS	0.4—0.8 KPT (BAR)

THE VIGORIMETER IS CALIBRATED IN BAR

BAR	1,019 KPTCM ²
BAR	14.50 LBS/SQ. INCH
KPT	KILOPONT

INDICATIONS FOR HAND STRENGTH TESTING

- CEREBRAL DISORDERS, PARTICULARLY STROKE RECOVERY OBSERVATIONS.
- POSTOPERATIVE OBSERVATIONS OF NEUROSURGICAL INTERVENTIONS, INCLUDING HEAD INJURIES.
- INJURIES AND DISEASES OF THE SPINAL CORD WITH ITS RELATED COMPLICATIONS OF THE UPPER EXTREMITIES.
- MUSCULAR DISEASES INVOLVING THE UPPER EXTREMITIES.
- POST-SURGICAL OBSERVATION AFTER HAND SURGERY.
- EVALUATION FOR INSURANCE PURPOSES.
- EVALUATION FOR PHYSICAL FITNESS.

OUTSIDE DIMENSIONS OF CASE: 10"L x 4"W x 5"H (25 CM x 10 CM x 12 CM)

WEIGHT WITH UNIT INSIDE: 2 LBS. (0.9 KG)



TO ORDER CALL: (224) 353-6446



SERVICE AND REPAIR



MADE IN THE USA

IN NEED OF INSTRUMENT REPAIRS? SEND THEM TO THE *ER!*

ELMED REPAIR

60 YEARS OF EXPERIENCE AND KNOWLEDGE IN DESIGNING, ENGINEERING, MANUFACTURING AND REPAIRING FOR THE MEDICAL COMMUNITY HAS GIVEN ELMED, INC. ONE OF THE BEST REPUTATIONS IN THE INDUSTRY. WE REPAIR WHAT OTHERS ARE UNABLE OR UNWILLING TO DO AND WE REPAIR ALL COMPETITIVE BRANDS. OUR WORK IS PERFORMED BY SKILLED TECHNICIANS, ALL OF WHICH HAVE BEEN WITH ELMED FOR THE PAST 10-30 YEARS.

COMPLETE IN-HOUSE MACHINE SHOP, POWDER COATING, LASER WELDING, & MARKING FINISHING, ELECTRONICS AND OPTICAL DEPARTMENTS

AREAS OF SPECIALTY

- LAPAROSCOPIC AND ENDOSCOPIC INSTRUMENTS
- ELECTROSURGICAL UNITS AND ACCESSORIES
- FIBER OPTIC LIGHT CABLES AND RETRACTORS
- RIGID ENDOSCOPES & FLEXIBLE SINUSCOPES
- STAINLESS STEEL HAND INSTRUMENTS
- LIGHT SOURCES AND HEADLIGHTS
- DEBRIDER UNITS, HAND PIECES AND BLADES
- SELF RETAINING RETRACTOR SYSTEMS

HOW TO PACKAGE AND SHIP INSTRUMENTS

- IMPORTANT:** ELMED CANNOT ACCEPT INSTRUMENTS THAT HAVE NOT BEEN PROPERLY CLEANED, DISINFECTED OR STERILIZED.
- INCLUDE CUSTOMER NAME AND ALL CONTACT INFORMATION (NAME, ADDRESS, PHONE NO., FAX NO., EMAIL ADDRESS, ETC.)
- INCLUDE CUSTOMER P.O. (PURCHASE ORDER), IF USED
- INCLUDE REASON FOR RETURN - BRIEF DESCRIPTION OF REPAIR PROBLEM IF AVAILABLE
- WRAP INSTRUMENT FOR PROTECTION DURING TRANSPORT
- USE A COMMON CARRIER SUCH AS UPS OR FEDEX
- INSURE THE PACKAGE AND RECORD THE TRACKING NUMBER

PLEASE FILL OUT, DETACH, AND INCLUDE THE FORM BELOW WITH YOUR REPAIR:

FROM:	
FACILITY:	CONTACT PERSON:
ADDRESS:	
CITY, STATE, ZIP	
EMAIL:	PHONE NO.
PO. No.	QTY.

INSTRUMENT DESCRIPTION:

NOTE: PLEASE INCLUDE MODEL NO. AND SERIAL NO. IN INSTRUMENT DESCRIPTION FOR SCOPES

FAST SERVICE: INCOMING REPAIRS COMING IN BY NEXT DAY AIR WILL BE COMPLETED WITHIN 24 HRS (WHEN PARTS ARE AVAILABLE)

SHIP TO: **ELMED** 35 N BRANDON DR., GLENDALE HEIGHTS, IL 60139