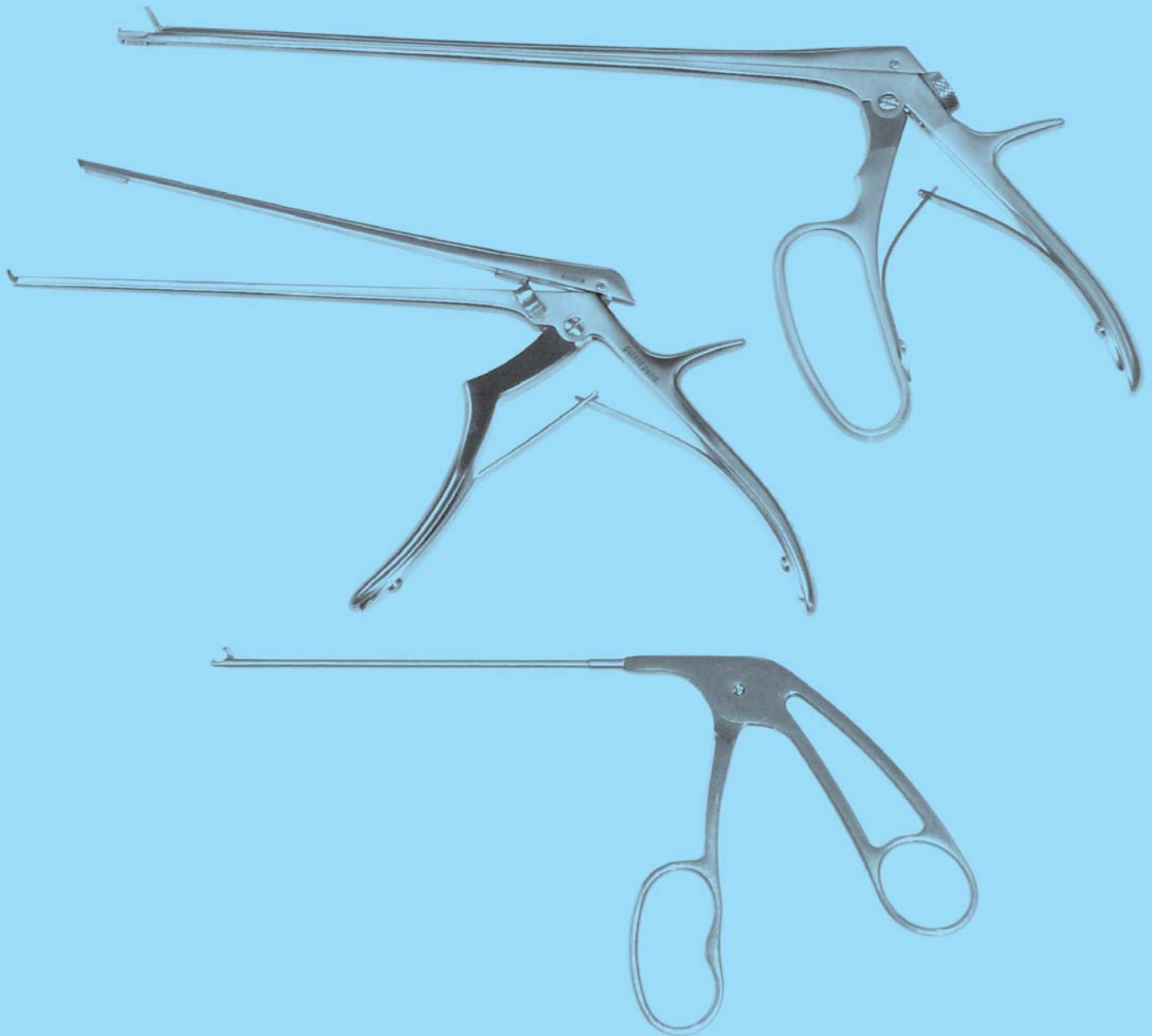


ADVANCED ENDOSCOPY DEVICES

Surgical Instruments



TERMS AND CONDITIONS

GUARANTEE

All instruments presented in the catalog are crafted from the finest German stainless steel.

These products are guaranteed to be free from defects in workmanship and materials.

Any original product, which proves defective in workmanship or materials, will be repaired or replaced at our discretion, free of charge.

RETURNS

No returns will be accepted without proper authorization. To speed authorization, please provide us with the invoice and order date when you call and ask for a Return Authorization Number.

Merchandise must be unused and in original packaging. Returns are subject to a 10% restocking fee.

CLAIMS

All claims must be made within seven days after receipt of the merchandise.

Use medical instruments only for original purposes intended for.

Custom or modified instruments cannot be returnable for credit.

INSTRUMENT CARE AND MAINTENANCE

Before each use clean, sterilize and inspect instrument. For all end users the Manufacturer recommends following steps:

CLEANING

Water and stainless steel

Ordinary tap water contains minerals, which may cause discoloring and corrosion. We recommend the use of **distilled water** for cleaning, disinfecting, sterilizing and rinsing instruments. In order to avoid corrosion use a cleaning solution with a near-neutral pH (7).

Ultrasound Cleaning

The ultrasound method is the most effective and efficient method for cleaning surgical instruments. In order to raise the effectiveness first clean the instruments of any visible residue before placing them in ultrasonic cleaner. We recommend following the rules specified below:

- Do not mix in same cycle instruments made of stainless steel and instruments made of carbon steel covered with a galvanizing layer
- Open all the instruments so that locks and latches are accessible
- Avoid stacking instruments one over the other during loading
- Remove and rinse the instruments immediately after cycle end

- Dry the instruments immediately after rinsing and leave them in open air to dry completely
- Lubricate all movable parts

Attention: after ultrasound cleaning perform a careful inspection of the instruments in terms of potential loosening of particular parts, e.g. loose screws

Manual cleaning and soaking

If ultrasound-cleaning equipment is not available the instruments should be cleaned very carefully. Special attention should be paid to cleaning locks, teeth, hinges and other difficult to access areas. For cleaning use nylon (not steel) brushes and warm (not hot) cleaning solutions. Follow the manufacturer's instructions while preparing solutions. Change the solution in accordance with the manufacturer's recommendations.

Instruments should be treated with utmost care in order not to damage their delicate tips and mechanisms. If the instruments came into contact with blood, tissue, physiological saline or other foreign substances, they should be rinsed with warm (not hot) water before the substance dries up on the instruments. After rinsing, dip the instrument in a cleaning and disinfecting solution. Do not exceed the maximum treatment time and temperature.

Clean and rinse the instruments immediately after each application to achieve the best results. Delayed cleaning may result in particles sticking to the instruments or secretions drying up making them resistant to cleaning, and in the future difficult or even impossible to sterilize.

Since many chemical compounds and substances have a strong corrosive effect on stainless steel, instruments should be immediately rinsed and dried if they were exposed to any potentially hazardous substances.

INSPECTION

Before each use check and test the instruments. Visible defects, cracks, deformed elements or blunt blades indicate that the instruments require repair and must not be used.

Inspection of instruments

The best time to check the condition of the instruments is after cleaning and lubrication, after they have cooled down. The application of defective instruments is strictly forbidden. Never attempt to repair the instruments on your own. Exclusively trained and qualified technicians should carry out servicing and repair work. Questions concerning repair should be reported to the manufacturer.

Upon inspection pay attention to:

Performance – pliers, forceps and scissors must cut smoothly and close properly. Needle handles and clips must close properly and their tips must meet.

Surface – inspect the surface carefully in search for traces of discoloring, cracks or other irregularities. The most common reasons for discoloring and corrosion are:

- *Improper cleaning*
- *Simultaneous sterilization of instruments made of stainless steel and carbon steel covered with a chrome layer*
- *Water contamination*
- *Inadequate or improper preparation and use of improper cleaning, disinfection or maintenance agents*
- *Failure to observe operating procedures for cleaning and sterilization*

LUBRICATION

After cleaning the instruments and prior to sterilization in an autoclave lubricate all movable parts. If the instruments are to be sterilized in vapor, the use of an authorized water-soluble lubricant is recommended (in accordance with the instructions attached to the instrument).

STERILIZATION

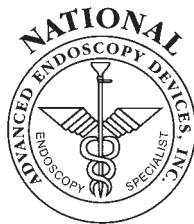
Sterilization guidelines compliant with the relevant national regulations should be adhered to. Proper parameters regarding the sterilization time, temperature and pressure should be taken from the instruction provided by the sterilization equipment manufacturer.

Lubrication and autoclave sterilization

All instruments must be properly cleaned before being placed in the autoclave. Next, their movable parts such as locks or hinges should be lubricated thoroughly. Use lubricants recommended in the user's manual enclosed with each AED instrument. Do not use industrial oils. Always sterilize equipment in their open position. It is recommended to wrap instruments in a cloth and then place them in the container or to spread the cloth on the bottom of the container so that it absorbs humidity. The cloth should be of neutral pH (7) and free of any detergent residue. Before application leave the instrument to cool down freely to room temperature. Follow the manufacturer's instructions on vapor autoclave operation and loading.

IMPORTANT NOTICE

The drawings in the catalog are made to a 1:1 scale and pictures to 1:2 scale, in other cases it will be specified next to the presented instrument. AED reserve the right to modify or change specification at its own discretion.

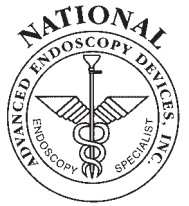


Advanced Endoscopy Devices

22134 Sherman Way
Canoga Park, CA 91303 • USA
Phone: (818) 227-2720
Fax: (818) 227-2724
www.aed.md

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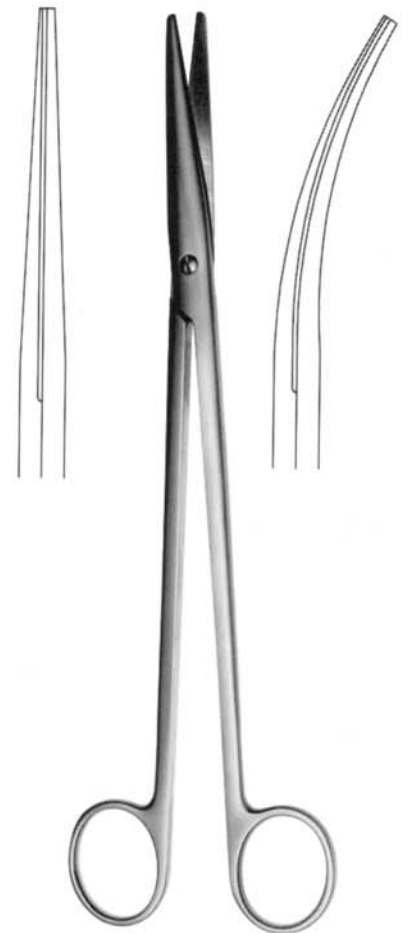
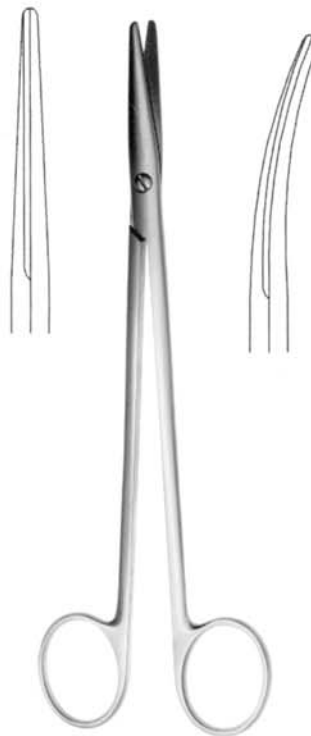
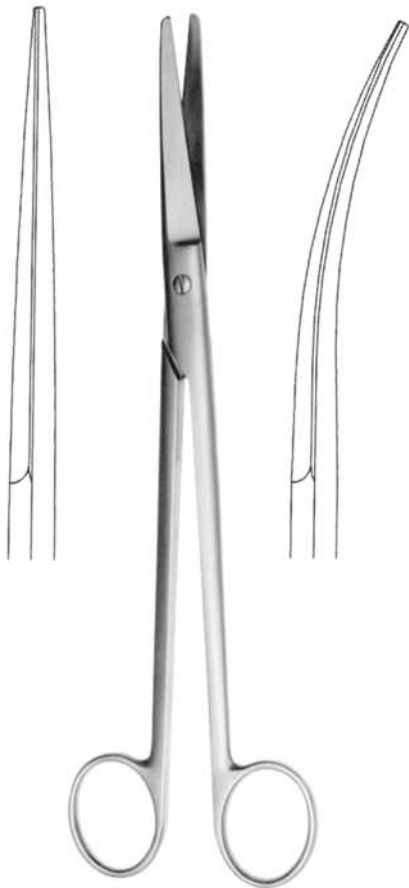
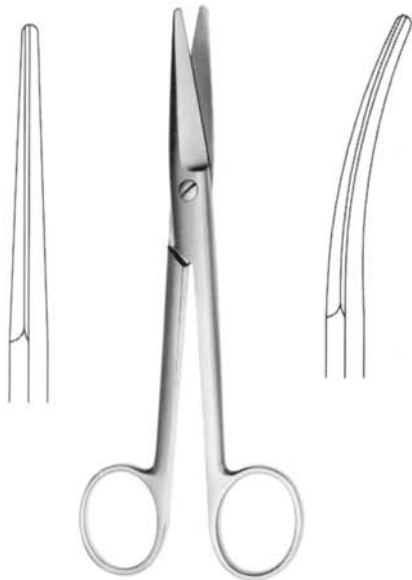
SCISSORS

MAYO Operating Scissors

Straight

Curved

Code no		Size		Code no
8-007-302	standard	5 1/2"-14,5 cm	standard	8-008-312
8-007-302 S	Sup.-Cut		Sup.-Cut	8-008-312 S
8-007-302 H	T.C.		T.C.	8-008-312 H
8-007-305	standard	6 3/4"-17 cm	standard	8-008-315
8-007-305 S	Sup.-Cut		Sup.-Cut	8-008-315 S
8-007-305 H	T.C.		T.C.	8-008-315 H



METZENBAUM Tonsil Scissors

Straight and slightly curved

Size		Code no
7 1/4"-18,5 cm	straight	8-226-585
	str., Sup.-Cut	8-226-585 S
	curved	8-226-588
	cvd., Sup.-Cut	8-226-588 S

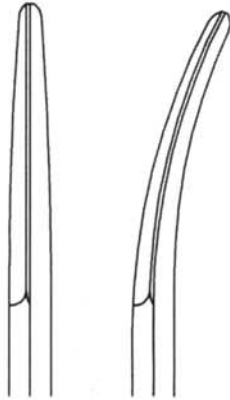
NELSON Dissecting Scissors

Curved, Blunt-Blunt

Size		Code no
9 1/2"-24cm	straight	8-013-611
	curved	8-014-612

MAYO -HARRINGTON Scissors

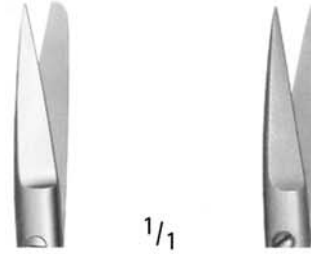
Size		Code no
9"-23 cm	straight	8-011-502
	curved	8-012-512



Standard Operating Scissors

Size			Code no
5 1/8"-13 cm	straight	Sharp-Blunt	8-004-052
	curved		8-004-053
	straight	Blunt-Blunt	8-004-054
	curved		8-004-055
	straight	Sharp-Sharp	8-004-056
	curved		8-004-057

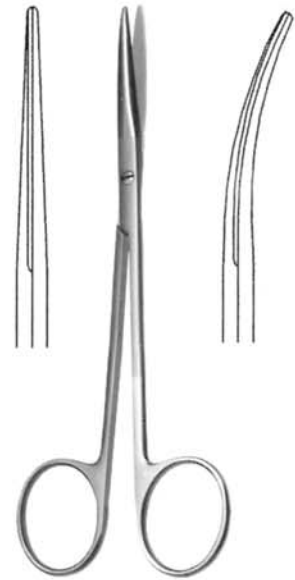
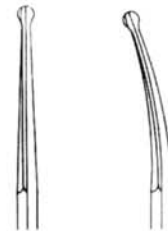
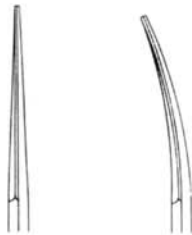
Note: Other sizes 5 3/4", 6 1/2", 7 1/4" also available



1/1

Straight Operating Scissors

Size			Code no
5 3/4"-14,5 cm	Sup. Cut	Sharp-Blunt	8-002-112 S
	standard	Sharp-Sharp	8-003-122



IRIS

Size		Code no
4 1/4"-11 cm	straight	8-203-287
	curved	8-204-288
	cvd., one blade serrated, T.C.	8-204-388 H

Eye Scissors with Probe Points

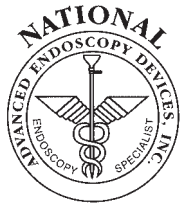
Size		Code no
4 1/4"-11 cm	straight	8-202-270
	curved	8-202-271

METZENBAUM

Size		Code no
5 3/4"-14,5cm	straight	8-009-402
	curved	8-010-412

METZENBAUM, Delicate

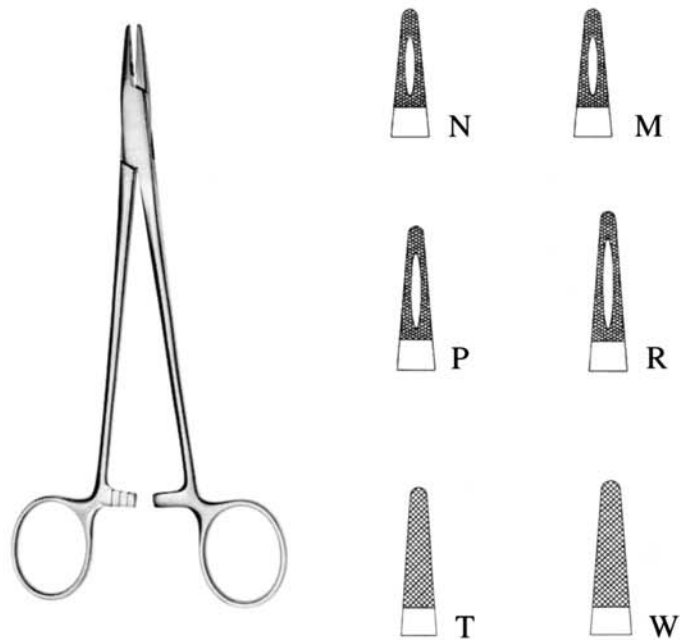
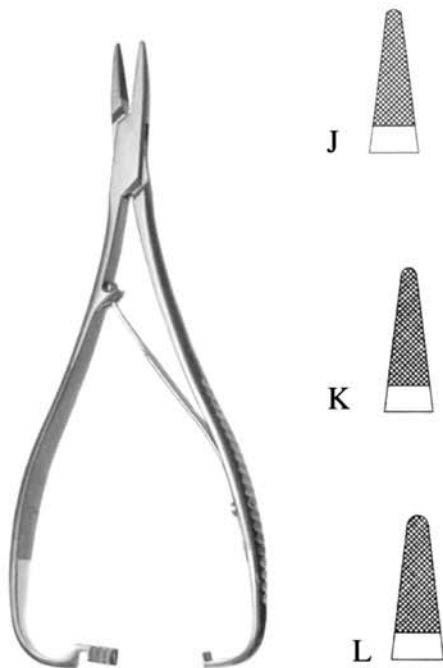
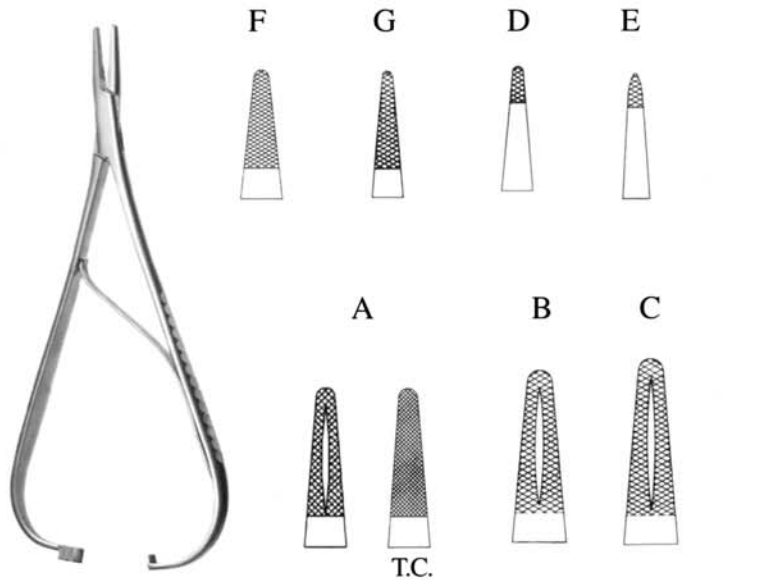
Size		Code no
5 3/4"-14,5cm	straight	8-009-400
	curved	8-010-410



MATHIEU Needle Holders

	Size		Code no
A	6 3/4"-17 cm		8-028-917
		T.C.	8-028-917 H
B	8"-20 cm		8-028-920
C	9 1/2"-24 cm		8-028-924
D	5 1/2"-14 cm		8-605-014
E	4 7/8"-12,5 cm	MINI	8-605-125
	5 1/2"-14 cm		8-605-015
F	5 1/2"-14 cm		8-605-914
		T.C.	8-605-914 H
		2-SP	8-605-9140
		2-SP, T.C.	8-605-904 H
G	5 1/2"-14 cm		8-605-915
			8-605-915 E <small>(smooth handles)</small>
		T.C.	8-605-915 H
		2-SP	8-605-9150

NEEDLE HOLDERS



MATHIEU Needle Holders

	Size		Code no
J	6 1/4"-16 cm	T.C.	8-605-160 H
K	7 1/2"-19 cm	T.C.	8-605-190 H
L	8 1/4"-21 cm	T.C.	8-605-210 H

MAYO-HEGAR Needle Holders

	Size		Code no
M	6"-15 cm		8-027-750
		T.C.	8-027-750 H
N	6 1/4"-16 cm		8-027-755
P	7"-18 cm		8-027-760
		T.C.	8-027-760 H
R	8"-20 cm		8-027-765



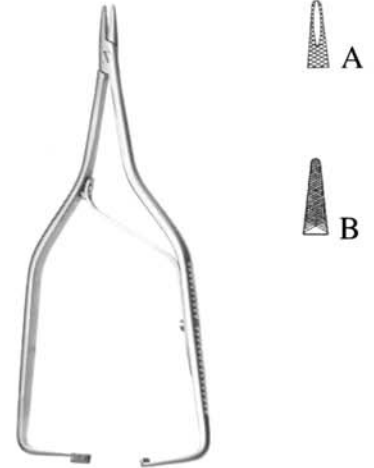
HEGAR, Delicate

Size		Code no
6" - 15cm	T.C.	8-028-815 H



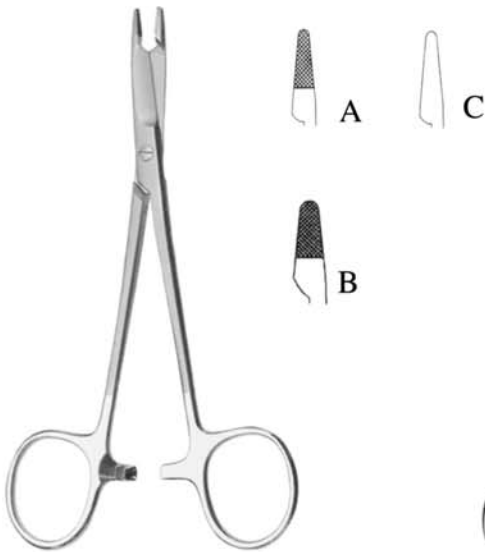
HALSEY

Size		Code no
5 1/8" - 13 cm	T.C.	8-028-816 H



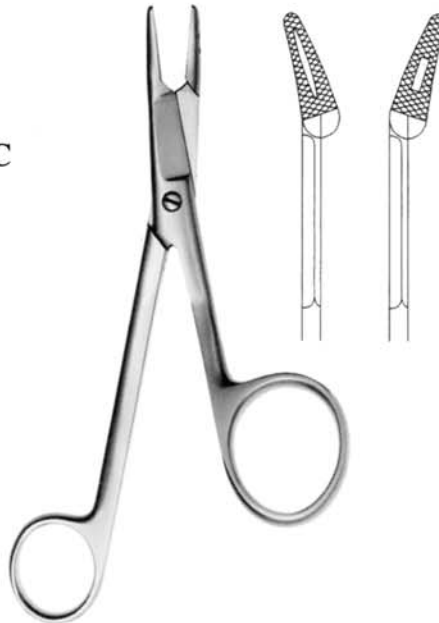
BOYNTON, Delicate

	Size	Code no
A	4 7/8" - 12,5 cm	8-028-125
B		8-028-127



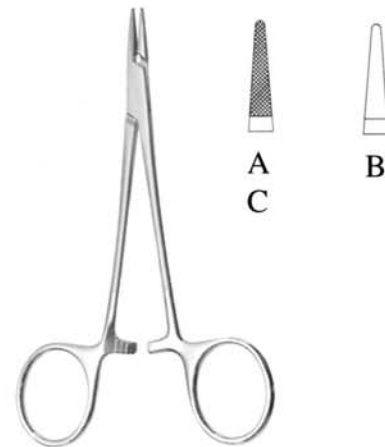
OLSEN-HEGAR with Suture Scissors

	Size		Code no
A	5 3/4" - 14,5 cm	T.C.	8-028-950 H
B	6 3/4" - 17 cm	T.C.	8-028-970 H
C	5 3/4" - 14,5 cm	T.C. smooth inserts	8-028-950 S



Needle Holder with Suture Scissors, one fenestrated jaw and one angled finger ring

Size	Code no
6 1/4" - 16 cm	8-036-399



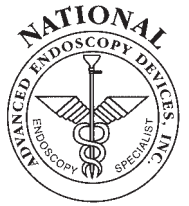
WEBSTER

	Size		Code no
A	4 3/4" - 12 cm	T.C.	8-028-700 H
B		T.C. smooth inserts	8-028-700 S
C		T.C.-7*)	8-028-707 H

*) Note

T.C. : 4.000 teeth p.sq. inch

T.C.-7 : 7.000 teeth p.sq. inch



MICRO NEEDLE HOLDERS AND MICRO SCISSORS



CASTROVIEJO, flat handle, with lock

	Size	Code no
A	5"-12,5 cm	8-028-1021
	5 5/16"-13,5 cm	8-028-1023
B	6 1/4"-16 cm	8-028-1025
C	5"-12,5 cm	8-028-1022
	5 5/16"-13,5 cm	8-028-1024
D	6 1/4"-16 cm	8-028-1026



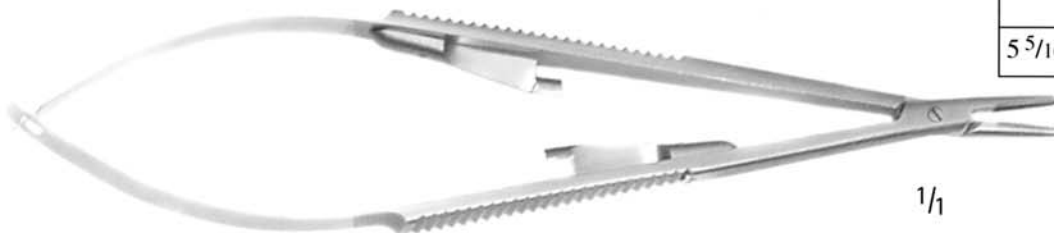
CASTROVIEJO, flat handle

	Size	Code no
A	4 3/8"-11 cm	8-028-0021
B	4 3/8"-11 cm	8-028-0022
A	5"-12,5 cm	8-028-0023
B		8-028-0024
A	5 5/16"-13,5 cm	8-028-0025
B		8-028-0026



CASTROVIEJO, flat handle, with lock, serrated jaws

Size	Code no
5 5/16"-13,5 cm	8-028-1033



Micro Needle Holders, with lock, flat handle, with T.C. inserts

Size	Code no
5 5/16"-13,5 cm	8-028-003H



**Micro Needle Holders,
with round handle**

Size	Code no
4 3/8"-11 cm	8-028-0131



**Micro Scissors, flat
handle, angled blades,
blunt points**

Size	Code no
4 3/8"-11 cm	8-025-0012



Micro Scissors, flat handle

	Size		Code no
A	4 3/8"-11 cm	sharp points	8-025-0041
B			8-025-0042
A	4 3/8"-11 cm	blunt points	8-025-0051
B			8-025-0052



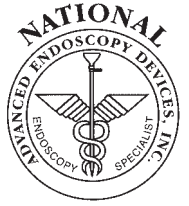
**Micro Scissors, flat handle, inner
blade 0,5 mm longer, blunt tips**

Size		Code no
4 3/8"-11 cm	left	8-025-0211
	right	8-025-0213



**Micro Scissors, flat handle
blunt tips**

Size	Code no
4 3/8"-11 cm	8-028-0233



**Micro Scissors,
Flat Handle 4 3/4" - 12 cm**

		Code no
sharp	straight	8-025-0131
	curved	8-025-0132
blunt	straight	8-025-0141
	curved	8-025-0142



**Micro Tissue Holding
Scissors**

Size	Code no
4 3/8"-11 cm	8-025-0071

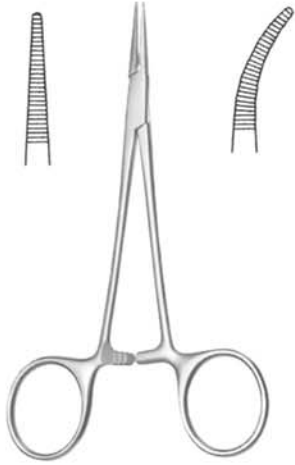
Micro Scissors, Delicate

	Size	Code no
A	3 3/8"-8,5 cm	8-025-0101
B		8-025-0102
C		8-025-0109

Micro Scissors, Very Delicate

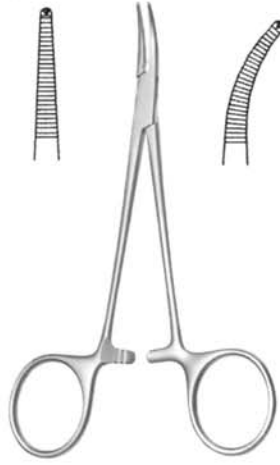
	Size	Code no
E	3 3/8"-8,5 cm	8-025-1101
F		8-025-1102
G		8-025-1109

HEMOSTATIC FORCEPS



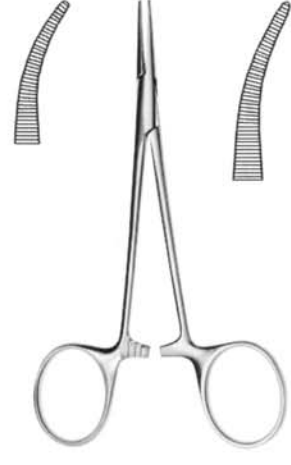
HALSTED Hemostatic Forceps

Size		Code no
5" - 12,5 cm	straight	8-119-921
	curved	8-120-926



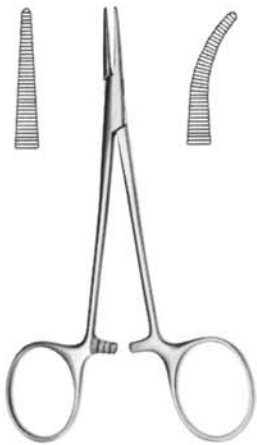
HALSTED Hemostatic Forceps, 1x2 teeth

Size		Code no
5" - 12,5 cm	straight	8-122-933
	curved	8-122-936



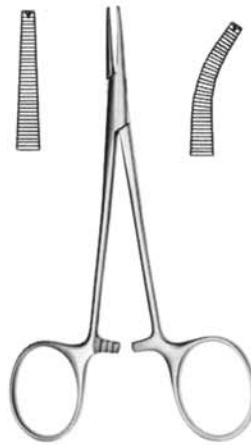
Micro HALSTED-MOSQUITO Hemostatic Forceps, curved

Size		Code no
4 3/4" - 12 cm	micro	8-120-900
6 1/4" - 16 cm	delicate	8-120-930



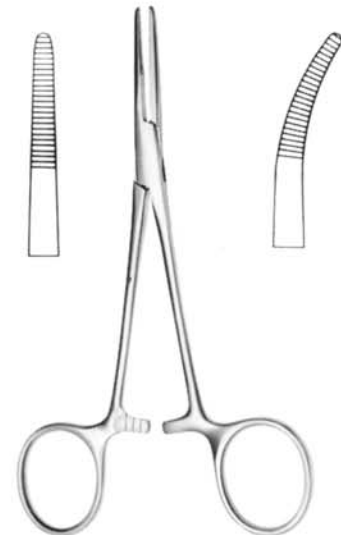
HALSTED-MOSQUITO Hemostatic Forceps

Size		Code no
4 3/4" - 12 cm	straight	8-123-171
	curved	8-125-176



HALSTED-MOSQUITO Hemostatic Forceps, 1x2 teeth

Size		Code no
4 3/4" - 12 cm	straight	8-124-172
	curved	8-124-175



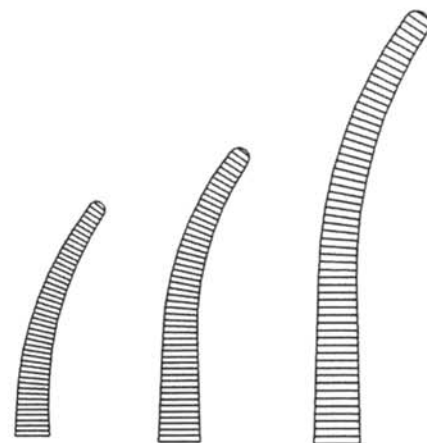
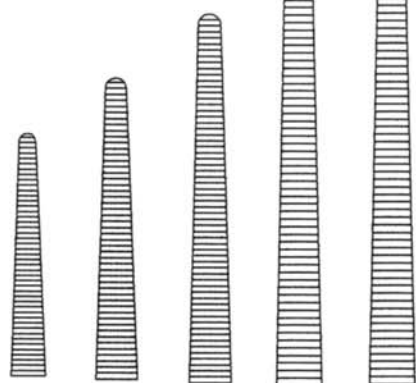
KELLY Hemostatic Forceps

Size		Code no
5 1/2" - 14 cm	straight	8-127-281
	curved	8-128-286

PEAN Hemostatic Forceps

Straight

Size	Code no
5 1/2" - 14 cm	8-110-714
6 1/4" - 16 cm	8-110-716
7" - 18 cm	8-110-718
8" - 20 cm	8-110-720
9 1/2" - 24 cm	8-110-724



PEAN Hemostatic Forceps

Curved

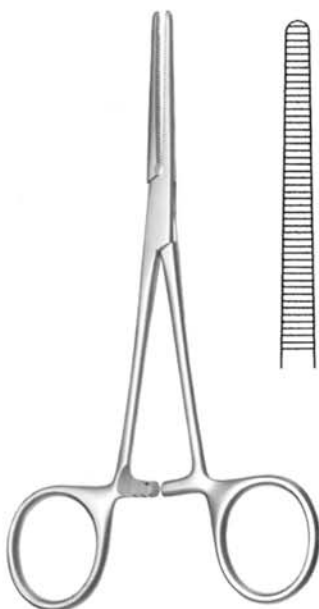
Size	Code no
5 1/2" - 14 cm	8-111-814
6 1/4" - 16 cm	8-111-816
8" - 20 cm	8-111-820



KOCHER Hemostatic Forceps

1x2 teeth, Straight

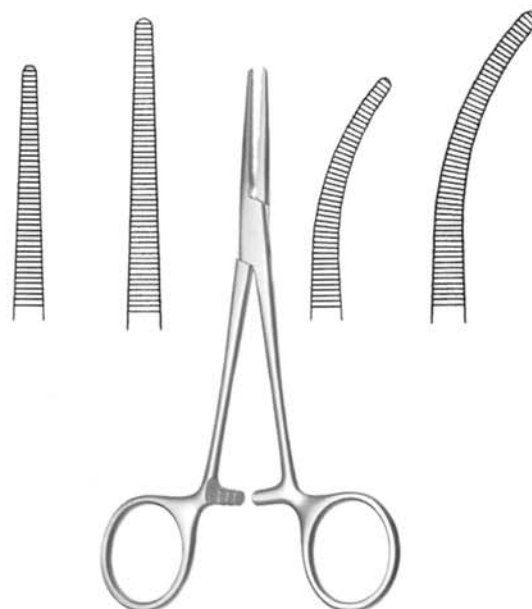
Size	Code no
6 1/4" - 16 cm	8-108-716
7" - 18 cm	8-108-718



ROCHESTER-PEAN Hemostatic Forceps

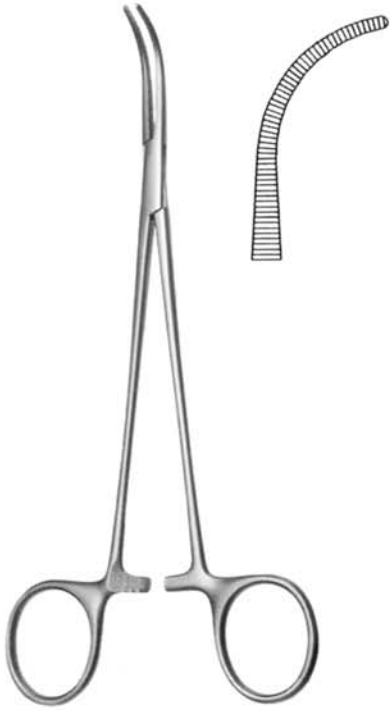
Straight

Size	Code no
6 1/4" - 16 cm	8-114-365



CRILE Hemostatic Forceps

Size		Code no
5 1/2" - 14 cm	straight	8-117-514
6 1/4" - 16 cm		8-117-516
5 1/2" - 14 cm	curved	8-118-524
6 1/4" - 16 cm		8-118-526



**HOEPFNER
Hemostatic Forceps**

Size	Code no
6 1/2" - 16,5 cm	8-129-316

**HEISS
Hemostatic Forceps**

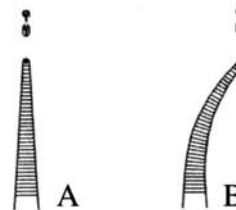
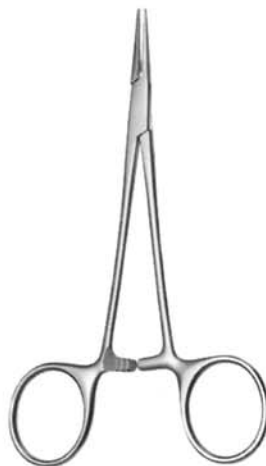
Size	Code no
8" - 20 cm	8-130-384

Size	Code no
7" - 18 cm	8-109-181



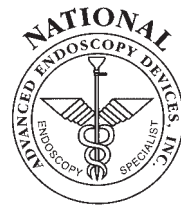
**Micro HALSTED
Hemostatic Forceps**

	Size	Code no
A	5" - 12,5 cm	8-119-924
B		8-120-927



**Micro HALSTED
Hemostatic Forceps, 1x2 teeth**

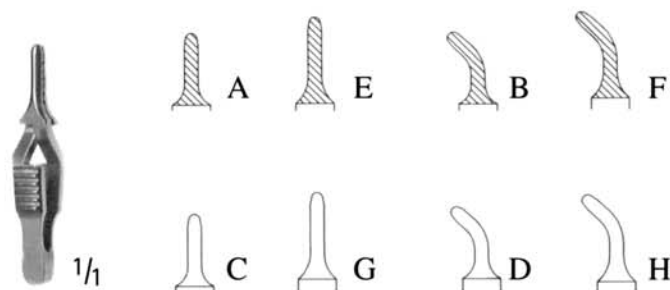
	Size	Code no
A	5" - 12,5 cm	8-119-925
B		8-120-928



1/1

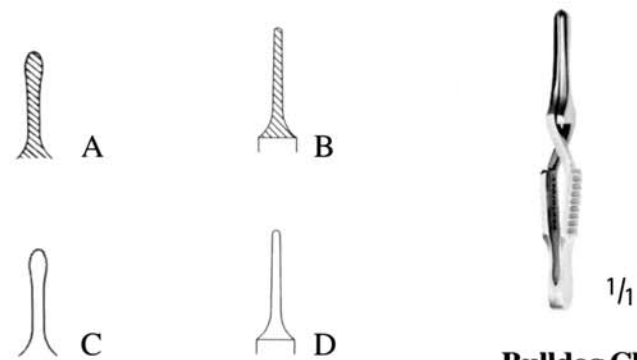
Bulldog Clamps

	Size	Code no
A	2 3/8" - 6 cm	8-131-203
B		8-131-204



Bulldog Clamps

			Size	Code no
A	straight	serrated	1 3/16" - 3 cm	8-131-101
B	curved			8-131-102
C	straight	smooth		8-131-103
D	curved			8-131-104
E	straight	serrated	1 3/8" - 3,5 cm	8-131-105
F	curved			8-131-106
G	straight	smooth		8-131-107
H	curved			8-131-108

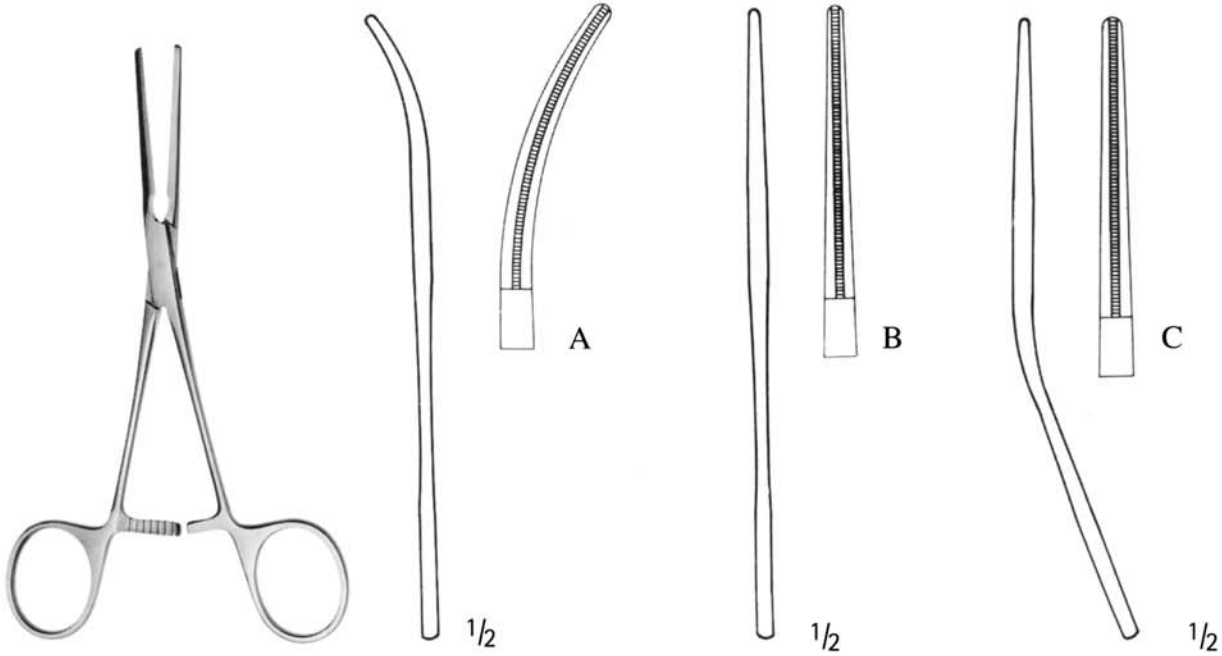


1/1

Bulldog Clamps

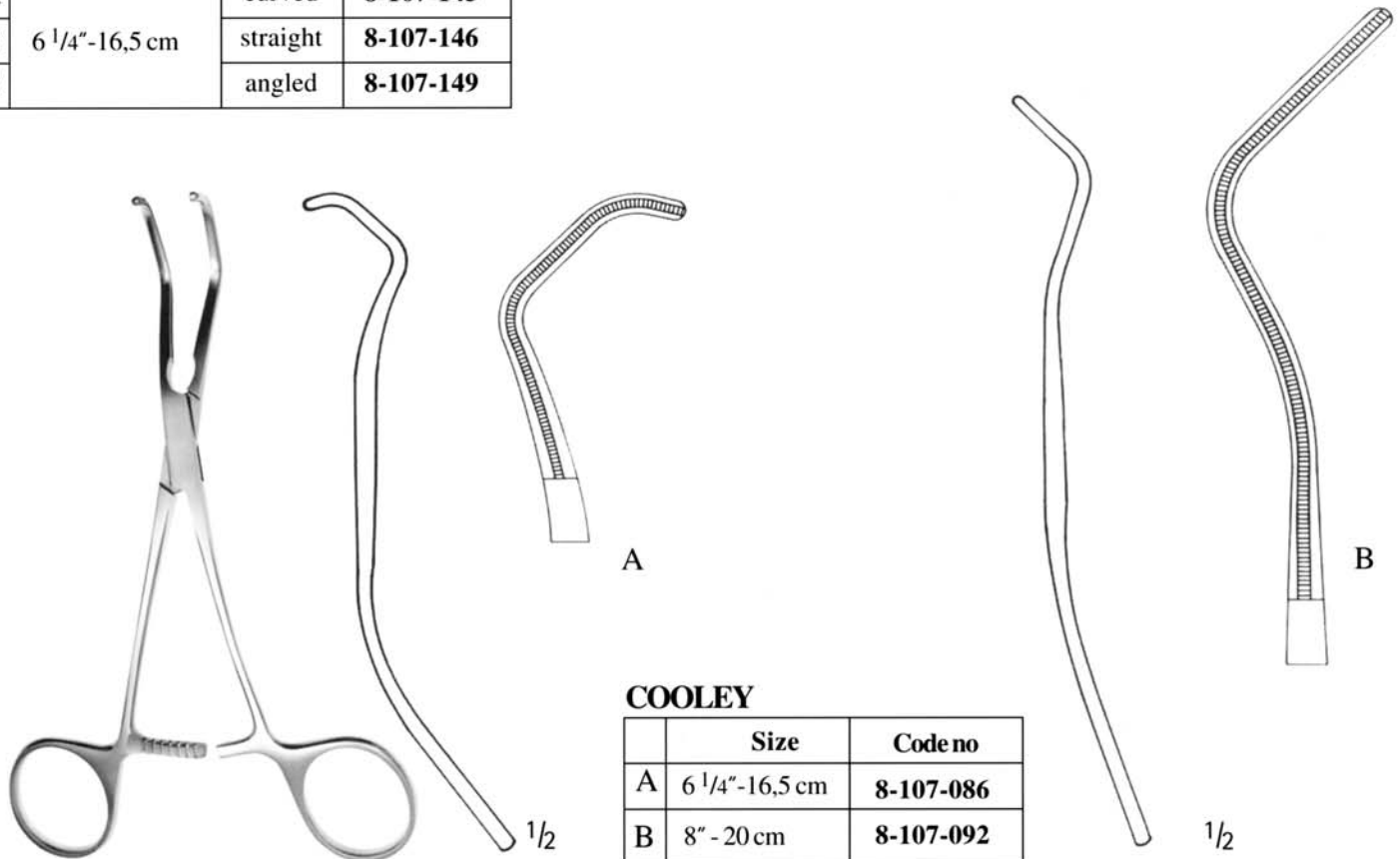
	Size	Code no			Size	Code no
A	1 9/16" - 4 cm	8-131-321	straight	serrated	1 3/4" - 4,5 cm	8-131-451
B		8-131-322				8-131-452
C		8-131-323		smooth		8-131-453
D		8-131-324				8-131-454
E		8-131-325	curved	serrated		8-131-455
F		8-131-326				8-131-456
G		8-131-327		smooth		8-131-457
H		8-131-328				8-131-458

ATRAUMATIC FORCEPS



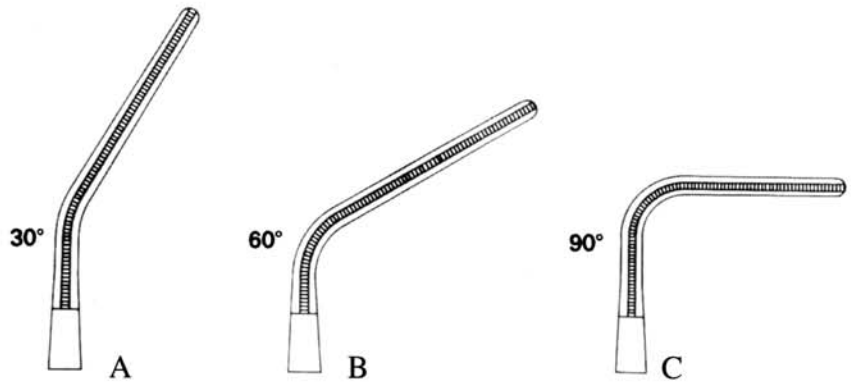
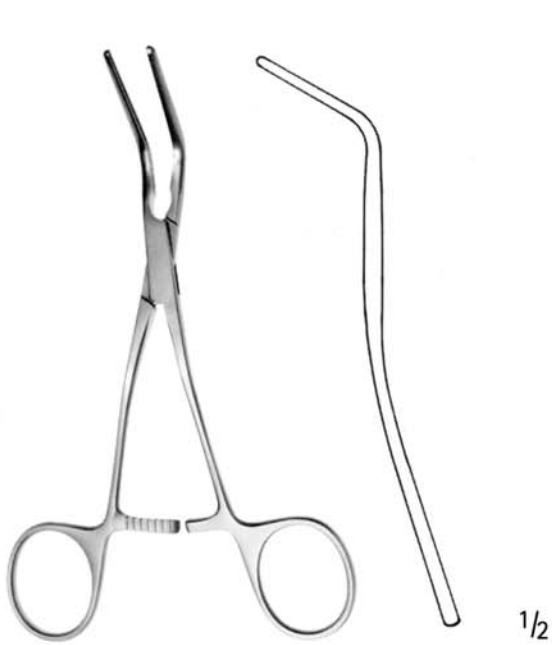
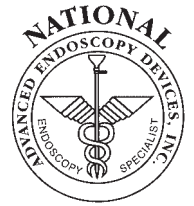
DE BAKEY

	Size		Code no
A	6 1/4"-16,5 cm	curved	8-107-145
B		straight	8-107-146
C		angled	8-107-149



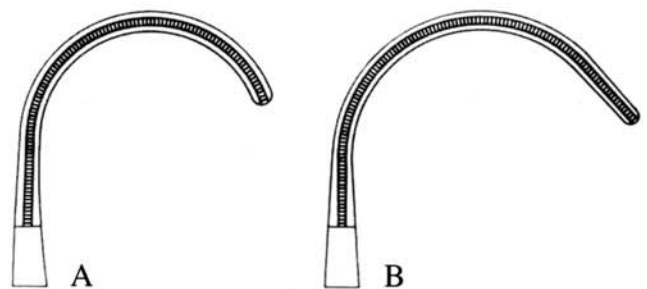
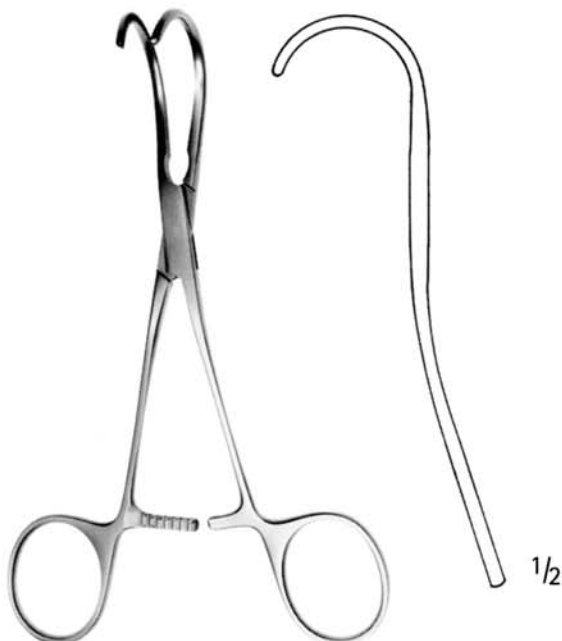
COOLEY

	Size	Code no
A	6 1/4"-16,5 cm	8-107-086
B	8"-20 cm	8-107-092



COOLEY

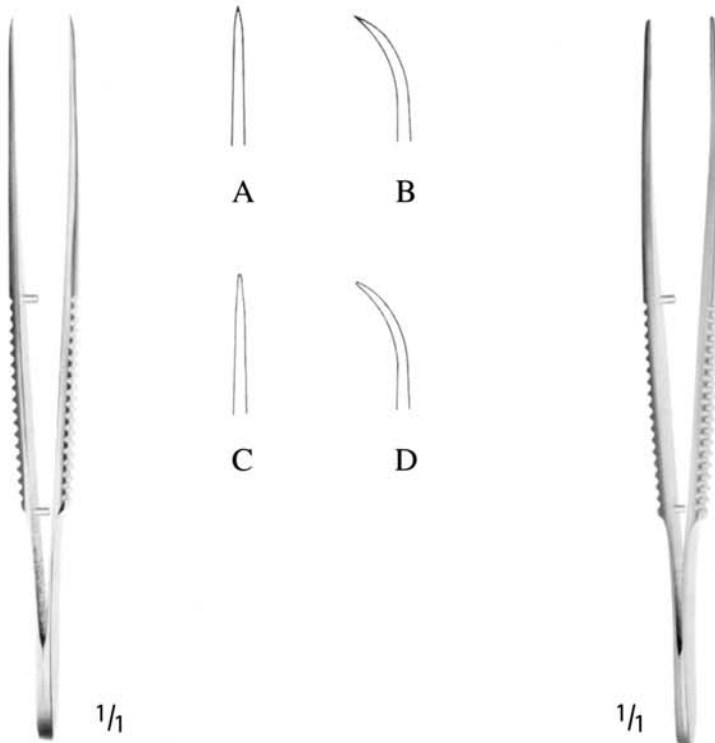
	Size	Code no
A	6 1/4" - 16,5 cm	8-107-230
B	6" - 15 cm	8-107-260
C	5 1/2" - 14 cm	8-107-290



DE BAKEY

	Size	Code no
A	6" - 15 cm	8-107-137
B	6" - 15 cm	8-107-139

DRESSING AND TISSUE FORCEPS

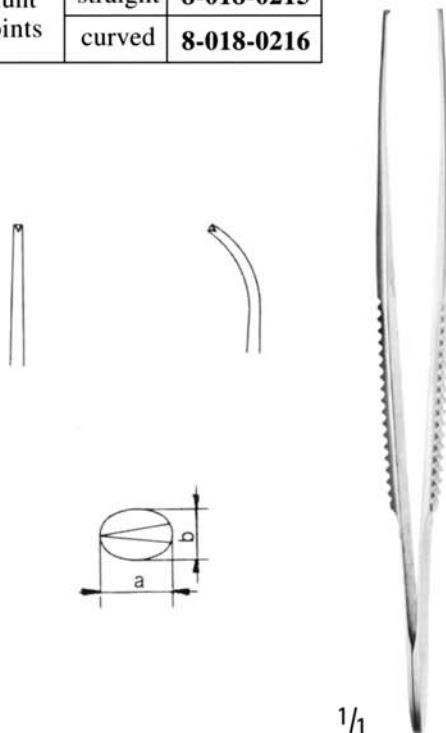


Dressing Forceps, Serrated Tips

Straight	Size	a x b	Curved
8-018-0150	3 3/4" - 9,5 cm	0,5 x 0,4 mm	8-018-0152
8-018-0154		0,6 x 0,5 mm	8-018-0156
8-018-0158		0,9 x 0,7 mm	8-018-0160
8-018-0162		1,3 x 1,0 mm	8-018-0164
8-018-0166		1,6 x 1,2 mm	8-018-0168
8-018-0170		1,8 x 1,4 mm	8-018-0172
8-018-0102	5" - 12,5 cm	0,5 x 0,4 mm	8-018-0104
8-018-0106		0,6 x 0,5 mm	8-018-0108
8-018-0110		0,9 x 0,7 mm	8-018-0112
8-018-0114		1,3 x 1,0 mm	8-018-0116
8-018-0118		1,6 x 1,2 mm	8-018-0120
8-018-0122		1,8 x 1,4 mm	8-018-0124

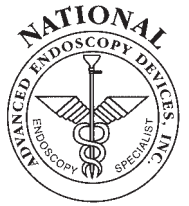
Delicate Forceps

	Size			Code no
A	3 3/4" - 9,5 cm	sharp points	straight	8-018-0211
B			curved	8-018-0212
C		blunt points	straight	8-018-0215
D			curved	8-018-0216

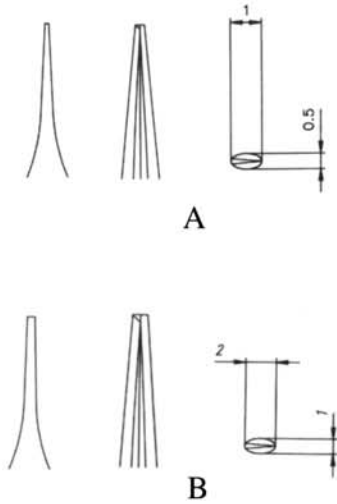


Tissue Forceps, Delicate Pattern 1x2 Teeth

Straight	Size	a x b	Curved
8-018-0000	3 3/4" - 9,5 cm	0,4 x 0,25 mm	8-018-0002
8-018-0004		0,5 x 0,35 mm	8-018-0006
8-018-0008		0,7 x 0,55 mm	8-018-0010
8-018-0012		1,0 x 0,8 mm	8-018-0014
8-018-0016		1,2 x 0,9 mm	8-018-0018
8-018-0020		1,4 x 1,1 mm	8-018-0022
8-018-0352	5" - 12,5 cm	0,4 x 0,25 mm	8-018-0354
8-018-0356		0,5 x 0,35 mm	8-018-0358
8-018-0360		0,7 x 0,55 mm	8-018-0362
8-018-0364		1,0 x 0,8 mm	8-018-0366
8-018-0368		1,2 x 0,9 mm	8-018-0370
8-018-0372		1,4 x 1,1 mm	8-018-0374



1/1



**ADSON
Tissue Forceps,
4³/₄" size, 1x2 Teeth**

A	8-018-061
B	8-018-060



1/1



**ADSON
Tissue Forceps,
4³/₄" size, serrated jaws**

A	8-018-065
B	8-018-066



1/1

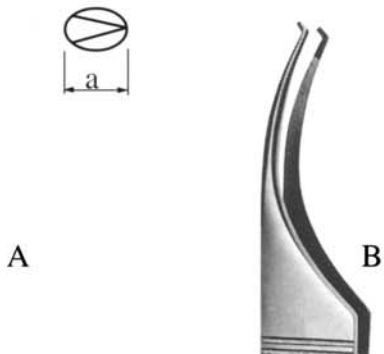


**BROWN-ADSON
Tissue Forceps,
4³/₄", 7x7 side grasping
teeth**

straight	8-018-0700
angular	8-018-0701

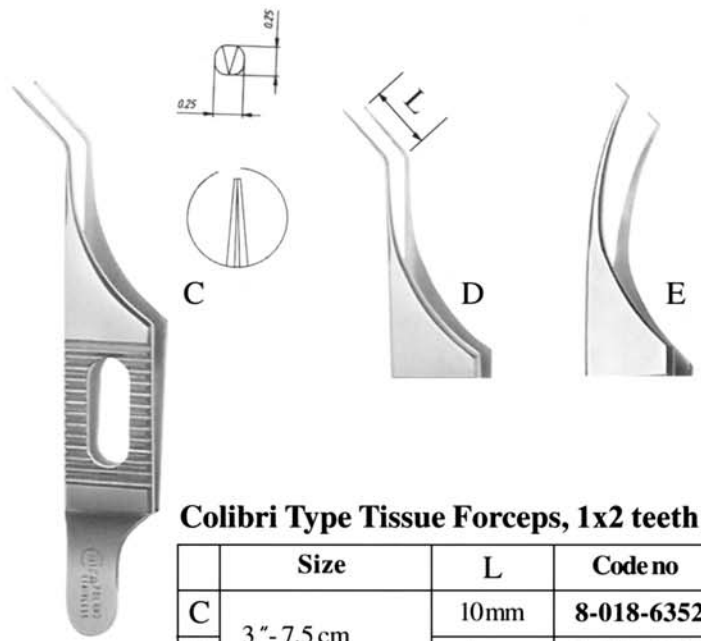


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Colibri Type Tissue Forceps, 3", 1x2 teeth

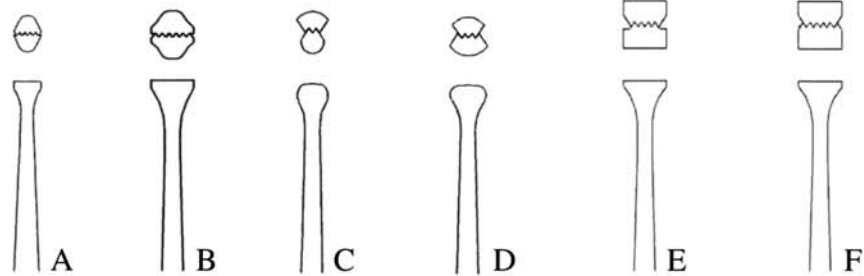
	Code no	a	Code no	
A		0,12mm	80018-6298	B
	8-018-6300	0,25mm	8-018-6302	
	8-018-6304	0,4mm	8-018-6308	
	8-018-6310	0,6mm	8-018-6312	
	8-018-6314	0,8mm	8-018-6316	



1/1

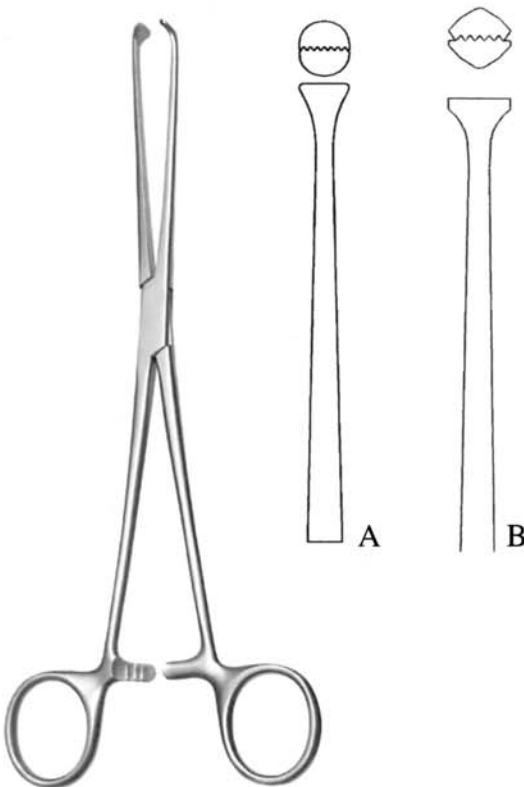
Colibri Type Tissue Forceps, 1x2 teeth

	Size	L	Code no
C	3"-7,5 cm	10mm	8-018-6352
D		8mm	8-018-6350
E	3 1/4" - 8 cm	2,5mm	8-018-6320



ALLIS Tissue Forceps

	Size	Teeth	Code no
A	5 1/8" - 13 cm	4x5	8-241-073
B	6" - 15 cm	5x6	8-241-043
C		2x3	8-241-0492
D		3x4	8-241-0493
E	6 1/8" - 15,5 cm	4x5	8-241-064
F		5x6	8-241-563



ALLIS

	Size	Teeth	Code no
A	8" - 20 cm	7x8	8-241-070
B	8 3/4" - 22 cm	5x6	8-241-071

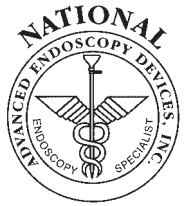


**Intestinal Forceps,
jaws 8 mm wide**

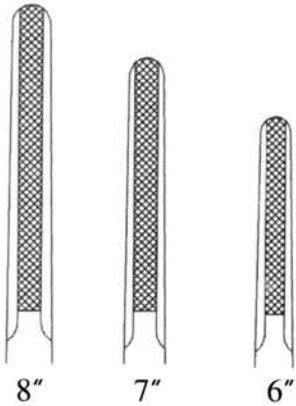
Size	Code no
6" - 15 cm	8-241-065

**ALLIS Atraumatic Tissue
Forceps, jaws 6 mm wide**

Size	Code no
6" - 15 cm	8-241-050



TUBING OCCLUDING FORCEPS



	Size	Code no
A	6" - 15 cm	8-101-011
B		8-101-011 G
A	7" - 18 cm	8-101-012
B		8-101-012 G
A	8" - 20 cm	8-101-013
B		8-101-013 G

This reliable range of tubing occluding forceps is designed for non-slip occlusion of silicone and p.v.c. tubing.

Available with and without safety guard. Tubing occluding forceps with safety guard are especially made to prevent the boxlock from puncturing the tubing.

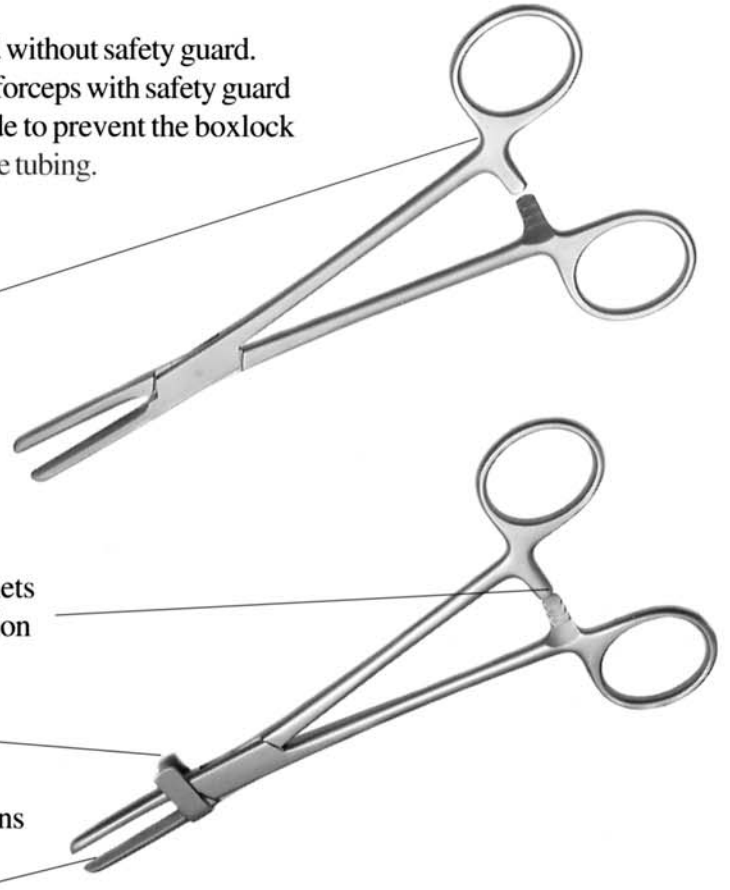
Characteristics:
strong shanks for secure closing

A-standard

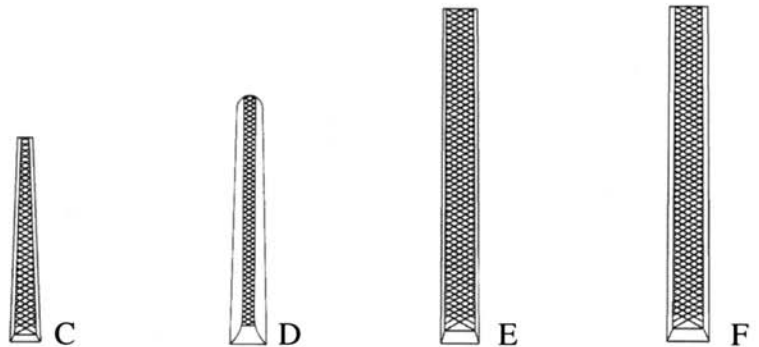
Special deep ratchets ensure safe occlusion

B-safety guard

Fine cross serrations prevent damage of tubes

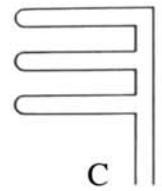
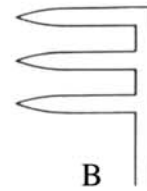
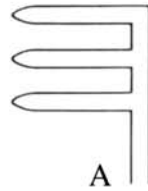


Tubing Clamp Forceps



	Size	Code no
C	4 3/4" - 12 cm	8-104-512
D	6" - 15 cm	8-104-515
E	7" - 18 cm	8-104-518
F	8" - 20 cm	8-104-520

RETRACTORS AND TOWEL CLAMPS



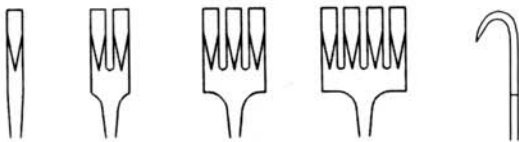
GELPI Self Retaining Retractors

Size	Code no
5 1/2" - 14 cm	8-136-851
7" - 18 cm	8-136-855



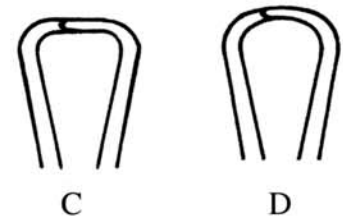
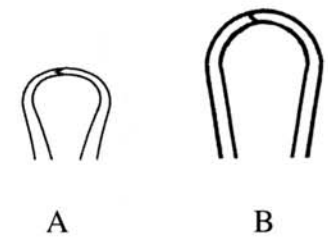
WEITLANER Self Retaining Retractors

	Size	Code no
A	5 1/4" - 13,5 cm	8-136-1351
B		8-136-1352
C		8-136-1353
A	6 1/2" - 16,5 cm	8-136-1651
B		8-136-1652
C		8-136-1653



Flexible Neck Rake Retractors

Size		Code no
6 1/8" - 15,5 cm	2 sharp Prongs	8-136-9021
	3 sharp Prongs	8-136-9031
	4 sharp Prongs	8-136-9041



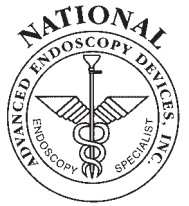
BACKHAUS Towel Clamps

	Size	Code no
A	3 1/2" - 9 cm	8-134-381
B	5 1/8" - 13 cm	8-134-383
C	5 1/4" - 13,5 cm	8-134-384
D	5 1/2" - 14 cm	8-134-385



Towel Clamps
Small model

Size	Code no
3 1/2" - 9 cm	8-132-344



SCALPEL HANDLES AND SCALPEL BLADE REMOVERS



Scalpel Handles #3
For slot Blades

Size	Code no
4 ³ / ₄ " - 12 cm	8-102-143

1/1



Scalpel Handles #4
For slot Blades

Size	Code no
5 ¹ / ₈ " - 13 cm	8-103-144

1/1



Scalpel Handles

Size	Code no
4 ³ / ₄ " - 12 cm	8-100-066

1/1



Hard Blade Micro Braker and Holders

Size	Code no
4 ³ / ₄ " - 12 cm	8-100-5480

1/1



Instruments for Removing Scalpel Blades

Size	Code no
5 ¹ / ₄ " - 13,5 cm	8-100-513

SUTURE INSTRUMENTS AND SCISSORS



Clip Applying Forceps

Size	Code no
5" - 12,5 cm	8-036-125



**MICHEL Clip Applying
- Removing Forceps**

Size	Code no
4 ³ / ₄ " - 12 cm	8-036-135



**Clip Applying - Removing
Forceps**

Size	Code no
5 ¹ / ₄ " - 13,5 cm	8-036-143



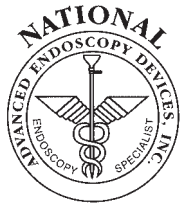
Ligature Scissors

Size	Code no
4 ¹ / ₂ " - 11,5 cm	8-036-115



HUNTER Splinter Forceps

Size	Code no
4 ¹ / ₄ " - 11 cm	8-036-501



Micro Needle Holders, with round handle

Size	Code no
4 3/8"-11 cm	8-028-0131



Micro Scissors, flat handle, angled blades, blunt points

Size	Code no
4 3/8"-11 cm	8-025-0012



Micro Scissors, flat handle

	Size		Code no
A	4 3/8"-11 cm	sharp points	8-025-0041
B			8-025-0042
A	4 3/8"-11 cm	blunt points	8-025-0051
B			8-025-0052



Micro Scissors, flat handle, inner blade 0,5 mm longer, blunt tips

Size		Code no
4 3/8"-11 cm	left	8-025-0211
	right	8-025-0213



Micro Scissors, flat handle blunt tips

Size	Code no
4 3/8"-11 cm	8-028-0233



1/1

RUSKIN-LISTON
Bone Cutting Forceps,
Double Action

Size	Code no
7 1/2" - 19 cm	8-155-986



1/1

A



1/1

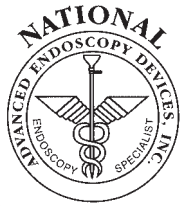
B



1/1

RUSKIN Bone Cutting Forceps
Double Action

	Size		Code no
A	5 3/4" - 14,5 cm	delicate	8-155-135
B			8-155-335



RONGEURS



RUSKIN Rongeurs, 3x14 mm bite

Size		Code no
6" - 15 cm	straight	8-187-857
	curved	8-187-858



RUSKIN Rongeurs

	Size	Bite	Code no
A	7 1/4" - 18,5 cm	4 x 15 mm	8-187-871
B			8-187-872
C		6 x 15 mm	8-187-875
D	8-187-876		



ZAUFAL-JANSEN

Size	Bite	Code no
7" - 18 cm	3 x 15 mm	8-182-180



BEYER

Size	Bite	Code no
7" - 18 cm	3 x 15 mm	8-181-170



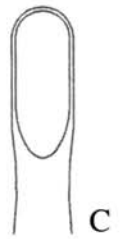
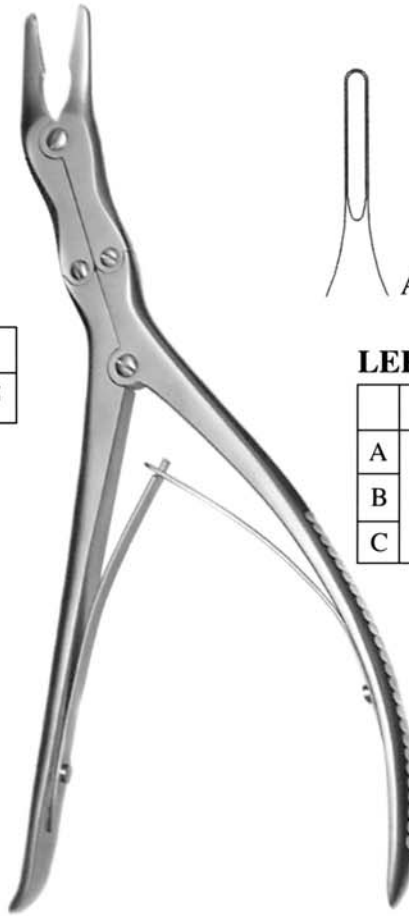
ZAUFAL-JANSEN

Size	Bite	Code no
7" - 18 cm	4 x 15 mm	8-182-184



LEKSEL, angled on side

Size	Bite	Code no
9 1/2" - 24 cm	3 x 15 mm	8-186-155



LEKSEL, slightly angled on side

	Size	Bite	Code no
A	10" - 25 cm	3 x 15 mm	8-186-243
B		5 x 15 mm	8-186-245
C		8 x 15 mm	8-186-248



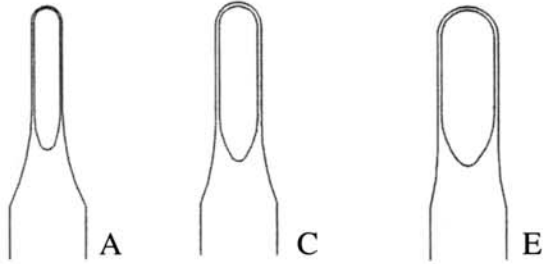
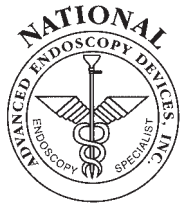
RUSKIN-STILLE, Curved

Size	Bite	Code no
7" - 18 cm	4 x 14,5 mm	8-183-241



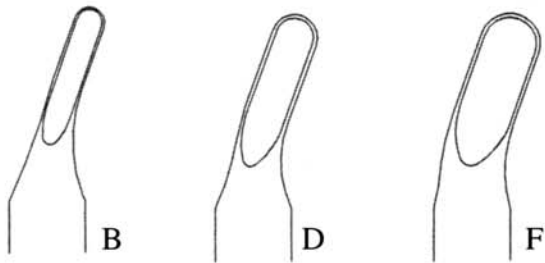
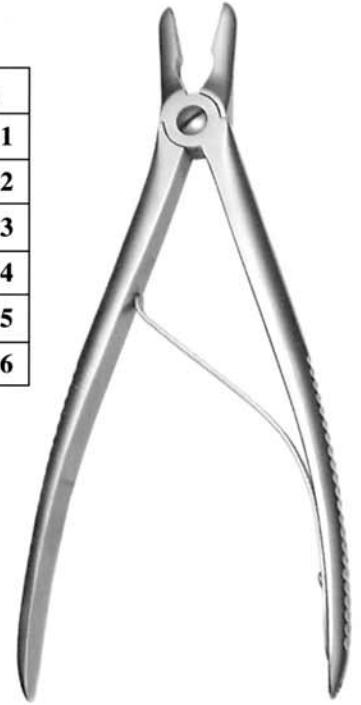
**ECHLIN Duckbill Rongeurs,
angled on side**

	Size	Bite	Code no
A	9" - 23 cm	2 x 10 mm	8-185-162
B		3 x 10 mm	8-185-003
C		4 x 10 mm	8-185-004



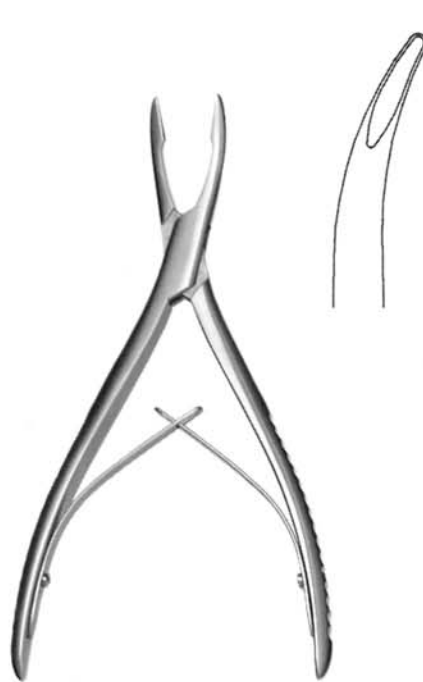
CUSHING, 7 1/2"

	Bite		Code no
A	4 x 12 mm	straight	8-187-981
B		angled	8-187-982
C	6 x 15 mm	straight	8-187-983
D		angled	8-187-984
E	8 x 15 mm	straight	8-187-985
F		angled	8-187-986



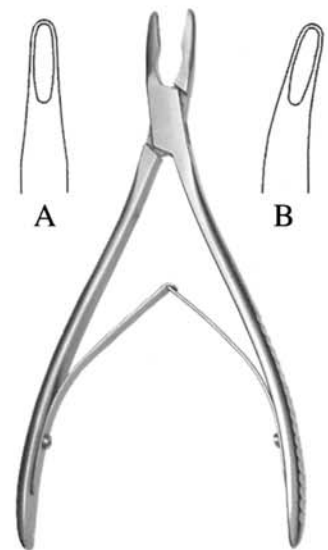
JANSEN-LUER

Size	Bite	Code no
7" - 18 cm	3,5 x 11 mm	8-187-487



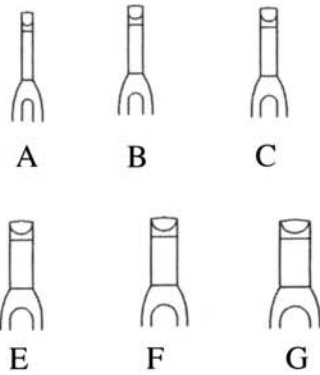
HAKANSSON-OLIVECRONA

Size	Bite	Code no
6 1/2" - 16,5 cm	2 x 12 mm	8-172-682



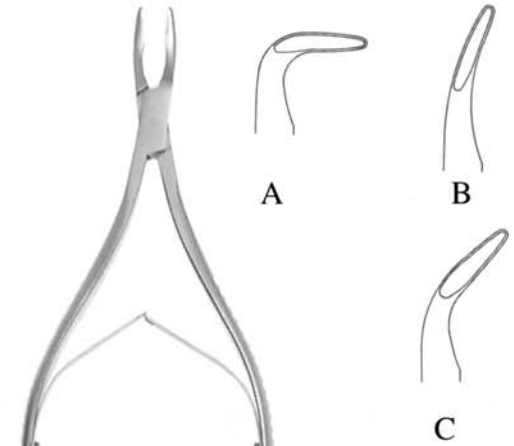
LEMPERT

	Size	Bite	Code no
A	6 1/8" - 15,5 cm	3 x 11 mm	8-187-311
B			8-187-312



CITELLI Rongeurs, 5 3/4", Shaft 3 3/8"

	Size	Bite	Code no
A	1,5mm	3mm	8-184-015
B	2mm	3,5mm	8-184-020
C	2,2mm	3,5mm	8-184-022
D	2,5mm	3,8mm	8-184-025
E	3mm	4,5mm	8-184-030
F	3,5mm		8-184-035
G	4mm		8-184-040



FRIEDMAN Rongeurs

	Size		Code no
A	5 1/2" - 14 cm	90°	8-187-981
B	6" - 15 cm	15°	8-187-982
C		45°	8-187-983

BONE HOLDING FORCEPS



FARABEU-F-LAMBOTTE

Size	Code no
10" - 25 cm	8-180-092



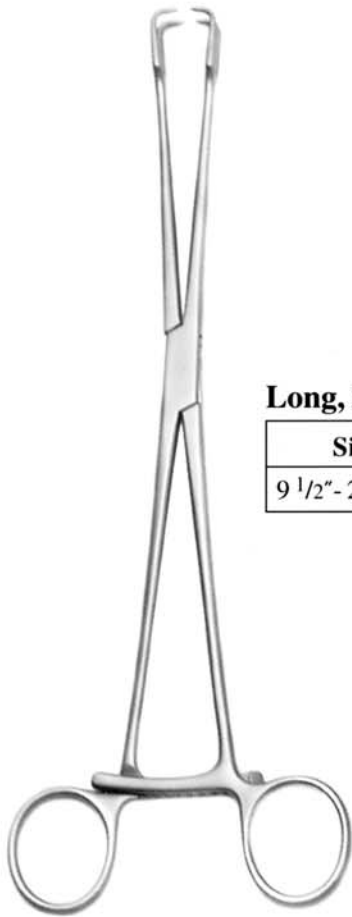
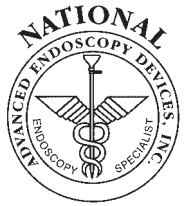
Small Bone Holding Forceps

Size	Code no
5 1/2" - 14 cm	8-180-023



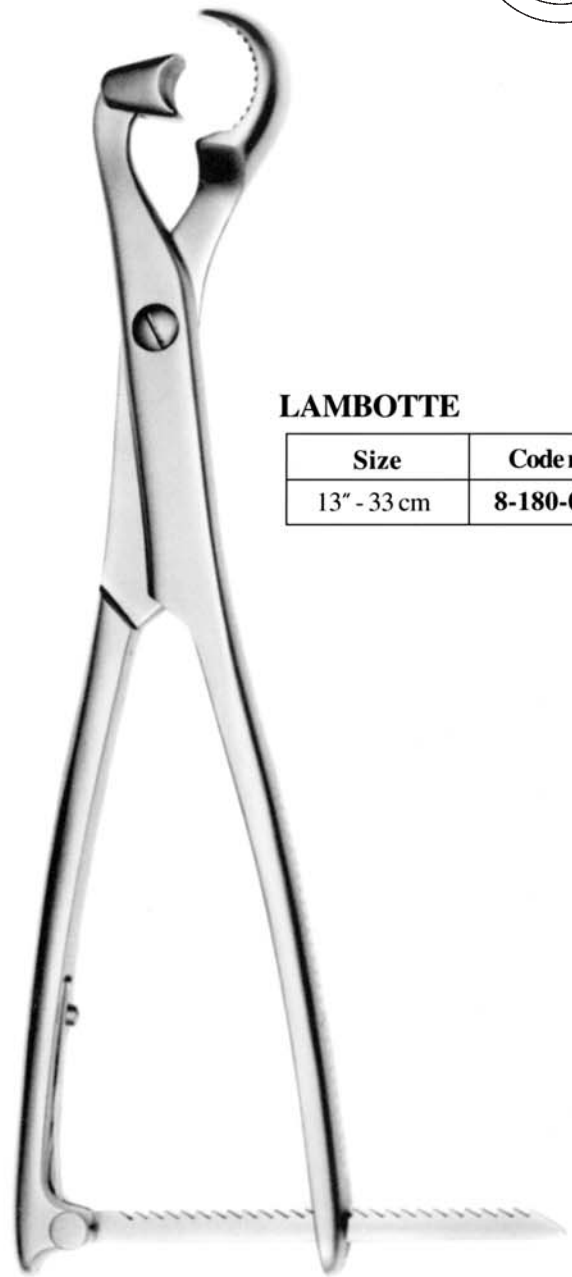
**Bone Holding Forceps,
Serrated jaws**

Size	Code no
7 1/4" - 18,5 cm	8-180-024



Long, 2x2 teeth

Size	Code no
9 1/2" - 24 cm	8-180-026



LAMBOTTE

Size	Code no
13" - 33 cm	8-180-033



LANGENBECK Elevators

Size	Code no
8" - 20 cm	8-143-051

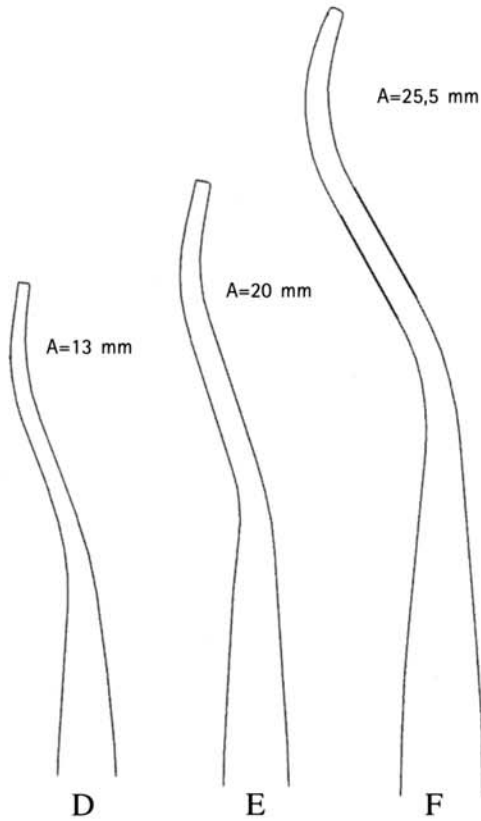


FREER Septum Elevators

Double ended

Size	Code no
7" - 18 cm	8-224-133

BONE ELEVATORS



Elevators

	Size	A	Code no
D	5 1/2" - 14 cm	13mm	8-143-863
E	8" - 20 cm	20mm	8-143-864
F	9" - 23 cm	25,5mm	8-143-866

GOUGES, MALLETS

Gouges

	Size	Width	Code no
A	5 1/2" - 14 cm	3mm	8-147-853
B		4mm	8-147-854
C		5mm	8-147-855
D		6mm	8-147-856
	6 3/4" - 17 cm	3mm	8-147-863
		4mm	8-147-864
		5mm	8-147-865
		6mm	8-147-866

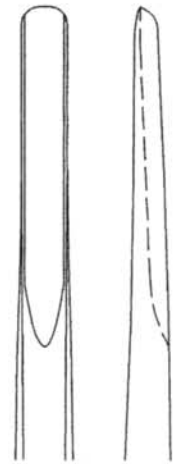
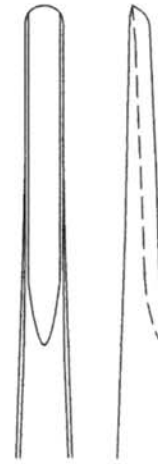
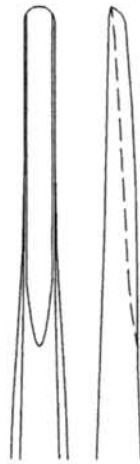
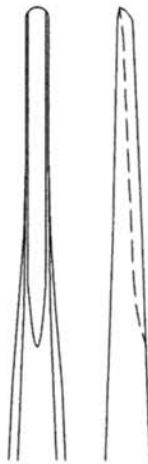


3 mm

4 mm

5 mm

6 mm

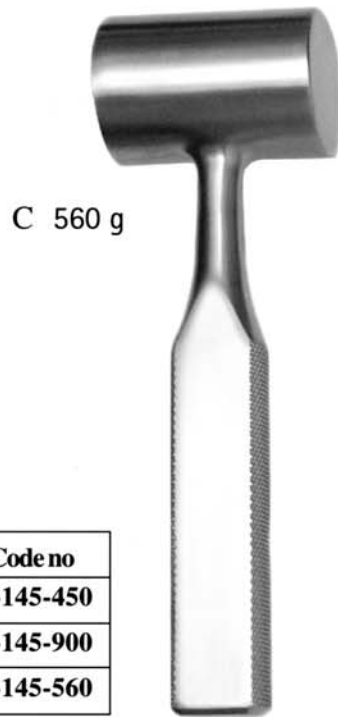
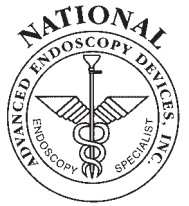


A

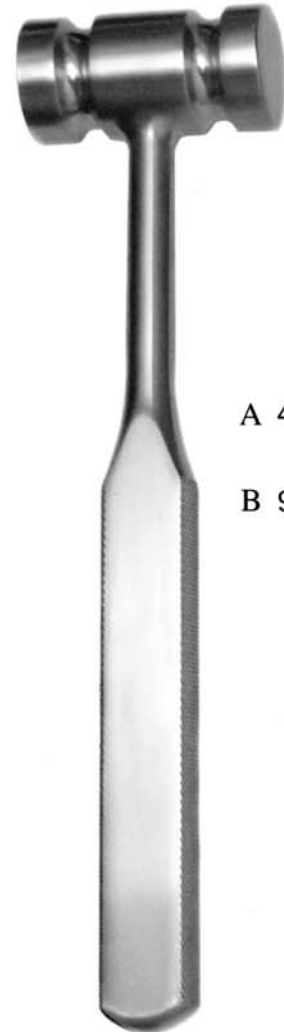
B

C

D



C 560 g



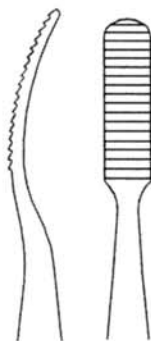
A 450 g

B 900 g

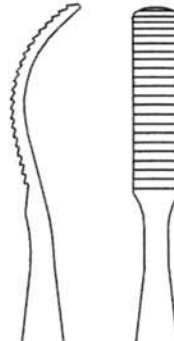
Mallets, solid stainless

	Size	Head	Code no
A	10 ³ / ₄ " - 27 cm	450 g	8-145-450
B		900 g	8-145-900
C	7 ¹ / ₄ " - 18,5 cm	560 g	8-145-560

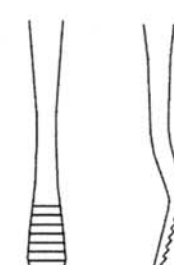
BONE RASPS



A



B

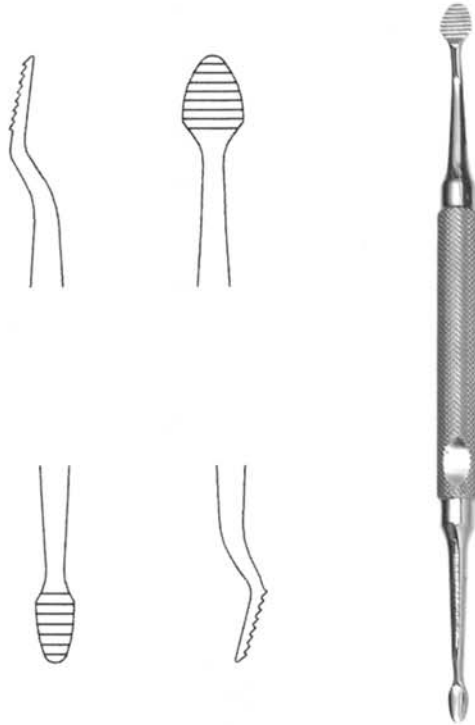


Double Ended Rasps

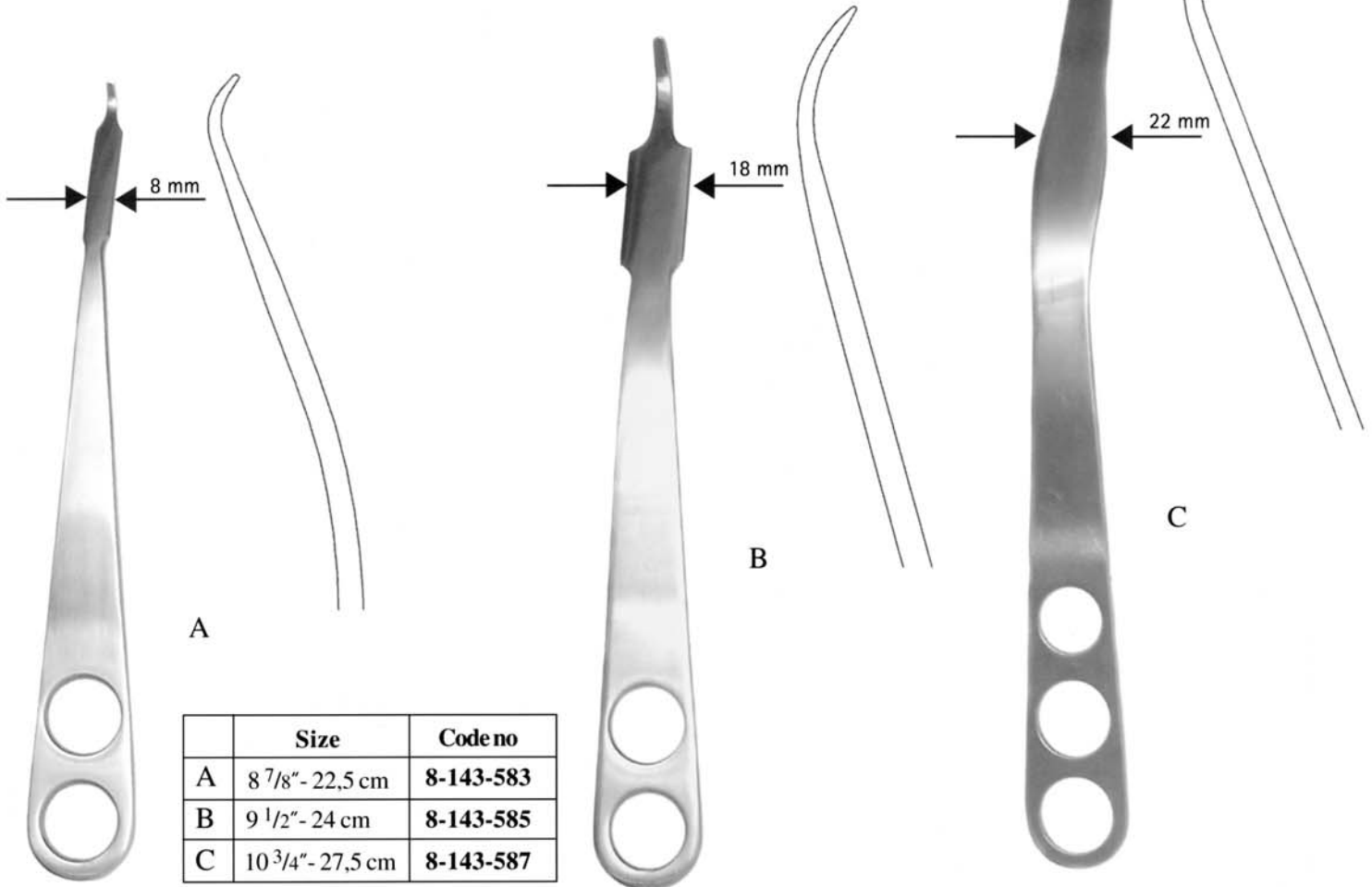
	Size	Code no
A	7" - 18 cm	8-148-183
B		8-148-185

Double Ended Rasps

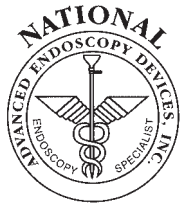
Size	Code no
7" - 18 cm	8-148-181



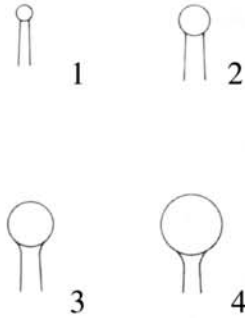
RETRACTORS



	Size	Code no
A	8 ⁷ / ₈ " - 22,5 cm	8-143-583
B	9 ¹ / ₂ " - 24 cm	8-143-585
C	10 ³ / ₄ " - 27,5 cm	8-143-587



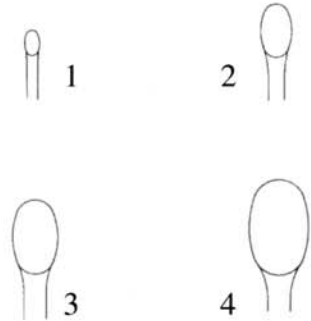
CURETTES



Bone Curettes
Round, Sharp, 7" - 18 cm

Size	Codeno
1-2 mm	8-137-721
2-4 mm	8-137-722
3-6 mm	8-137-723
4-6 mm	8-137-724

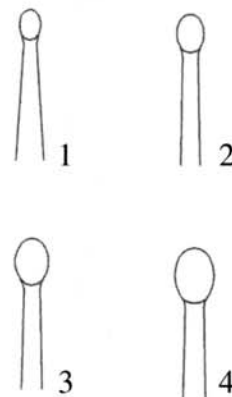
Note: Fig. 5-10 mm, 6-12 mm, 7-14 mm, 8-16 mm also available



Bone Curettes
Oval, Sharp, 8 1/4" - 21 cm

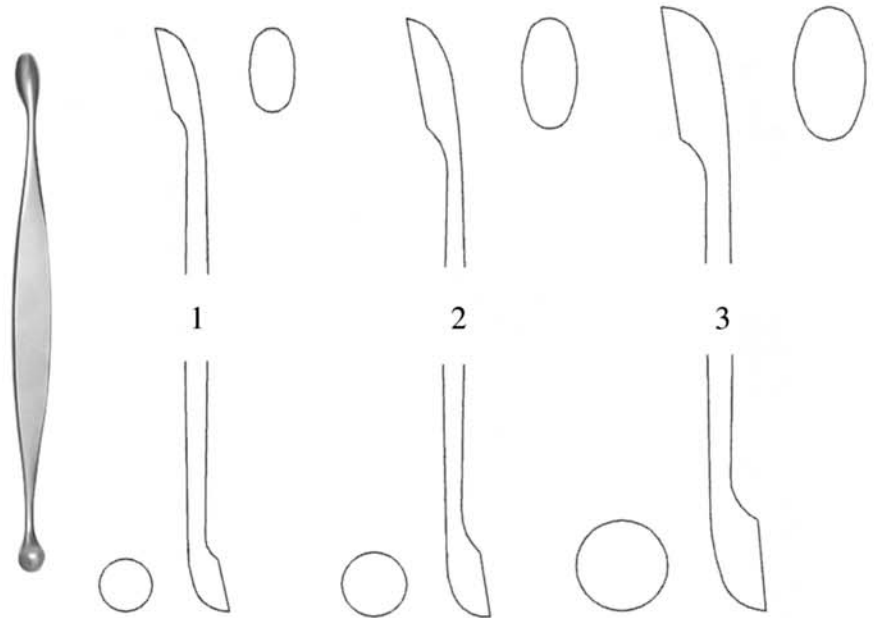
Size	Code no
1-2 mm	8-138-751
2-4 mm	8-138-752
3-6 mm	8-138-753
4-8 mm	8-138-754

Note: Fig. 5-10 mm, 6-12 mm, 7-14 mm, 8-16 mm, 9-20 mm also available



Bone Curettes
Angled, 8" - 20 cm

Size	Codeno
1-2,8 mm	8-138-828
2-3,6 mm	8-138-836
3-4,4 mm	8-138-844
4-5,2 mm	8-138-852



Bone Curettes Double Ended

	Size	Oval	Round	Code no
1	5 1/8" - 13 cm	6x11 mm	7mm	8-139-371
2	6 1/4" - 16 cm	7,3x14,5 mm	8,5 mm	8-139-372
3	8" - 20 cm	9,5x17,5 mm	12mm	8-139-373

WIRE AND PIN CUTTERS WITH TUNGSTEN CARBIDE INSERTS FOR CUTTING HARD WIRES, DOUBLE ACTION



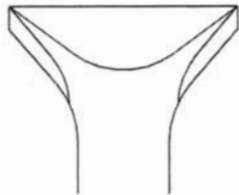
Size	Code no
5 3/4" - 14,5 cm	8-603-091 H

for wire up to \varnothing 1,6 mm



Size	Code no
6 3/4" - 17 cm	8-135-470

for wire up to \varnothing 1,6 mm



for wire up to \varnothing 2,5 mm

Size	Code no
8 1/2" - 21,5 cm	8-135-471



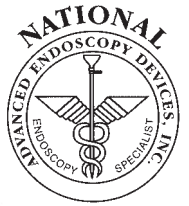
for wire up to \varnothing 2,2 mm

Size	Code no
9" - 23 cm	8-135-475



for wire up to \varnothing 2,2 mm

Size	Code no
9 1/4" - 23,5 cm	8-135-478



Pin End Cutters

Size	Code no
15" - 38 cm	8-161-472



for pins up to \varnothing 5 mm

Side Pin Cutters

Size	Code no
18 ³ / ₄ " - 47,5 cm	8-161-475

Note: Model with two-piece handles for smaller autoclaves also available - code no. 8-161-477



for pins up to \varnothing 6 mm



Wire Cutters

	Size	Wire	Code no
A	6" - 15 cm	up to \varnothing 1 mm	8-603-096 H
B	5 ¹ / ₂ " - 14 cm	up to \varnothing 1 mm	8-603-092 H

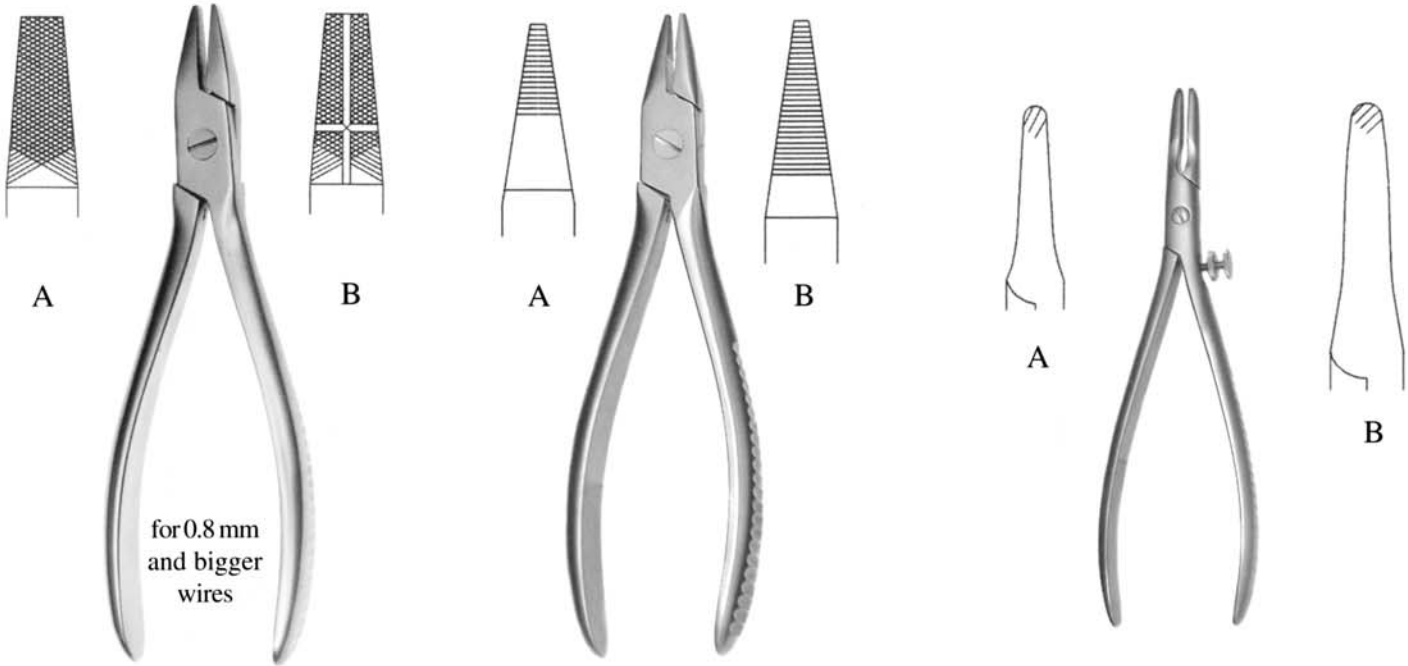


Delicate Wire Cutters with Safety Hold

Size	Wire	Code no
5 ¹ / ₈ " - 13 cm	up to \varnothing 0,4 mm	8-603-090 H

WIRE CUTTERS

WIRE PLIERS



Pliers for Wire Removal

	Size	Code no
A	7" - 17,5 cm	8-161-208
B		8-161-210

Wire Pliers, parallel serration

	Size	Code no
A	7" - 17,5 cm	8-161-311
B	7 1/2" - 19 cm	8-161-312

Pin and Wire Pullers

	Size	Wire	Code no
A	5 1/2" - 14 cm	min. \varnothing 2 mm	8-161-140
B	7" - 18 cm	min. \varnothing 2 mm	8-161-180

WIRE AND PLATE SCISSORS



Crown Scissors, Smooth Edge

Size		Code no
4 3/4" - 12 cm	straight	8-604-046
	curved	8-604-047

Uniwersal Wire and Plate Scissor, One Blade Serrated (soft wire up to .03", plates .012")

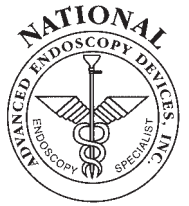
Size	Code no
4 3/4" - 12 cm	8-604-002

WIRE TWISTERS



Delicate Wire twisters, T.C.

Size	Code no
5 1/2" - 14 cm	8-605-006 H
6 3/4" - 17 cm	8-605-007 H



GENERAL UTILITY PLIERS



Flat Nose

Size		Code no
5 1/2" - 14 cm	serrated	8-601-018
	smooth	8-601-019
	with groove	8-601-020



A

B

Small Flat Nose

	Size		Code no
A	5 1/2" - 14 cm	serrated	8-601-006
B		smooth	8-601-007



GOSLEE, Flat Nose

Size	Code no
5 1/2" - 14 cm	8-604-008



Prolong Flat Nose

Size		Code no
5 1/2" - 14 cm	serrated	8-601-015
	smooth	8-601-016

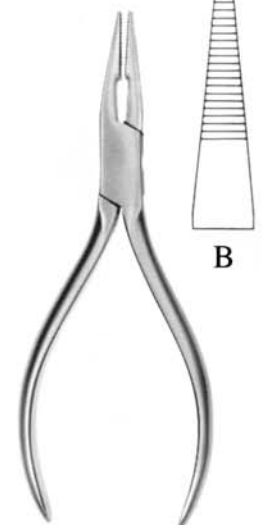


Wide Flat Nose Pliers

Size		Code no
5 1/2" - 14 cm	serrated	8-601-001
	smooth	8-601-002



A



B

Flat Pliers, parallel serration

	Size	Code no
A	5 1/4" - 13,5 cm	8-601-005
B	5 3/4" - 14,5 cm	8-601-017

NAIL NIPPERS AND SCISSORS

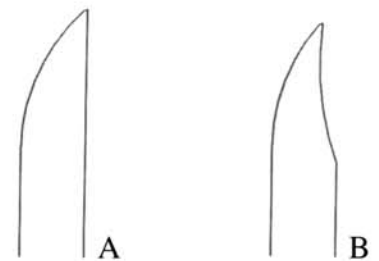
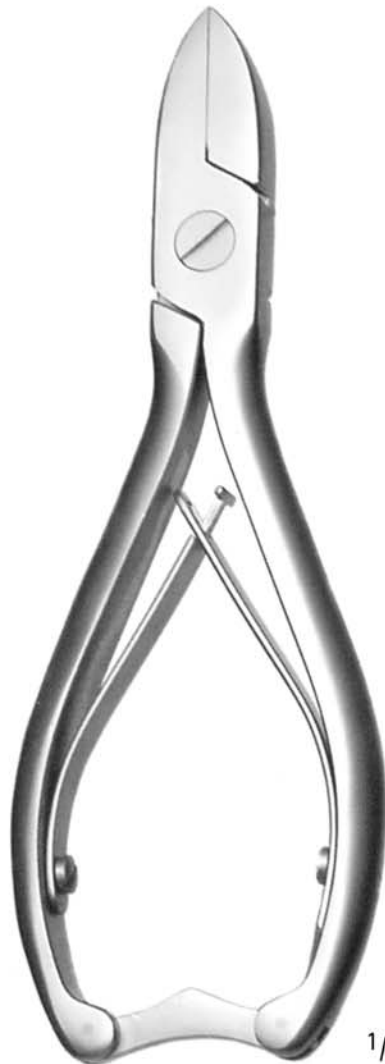
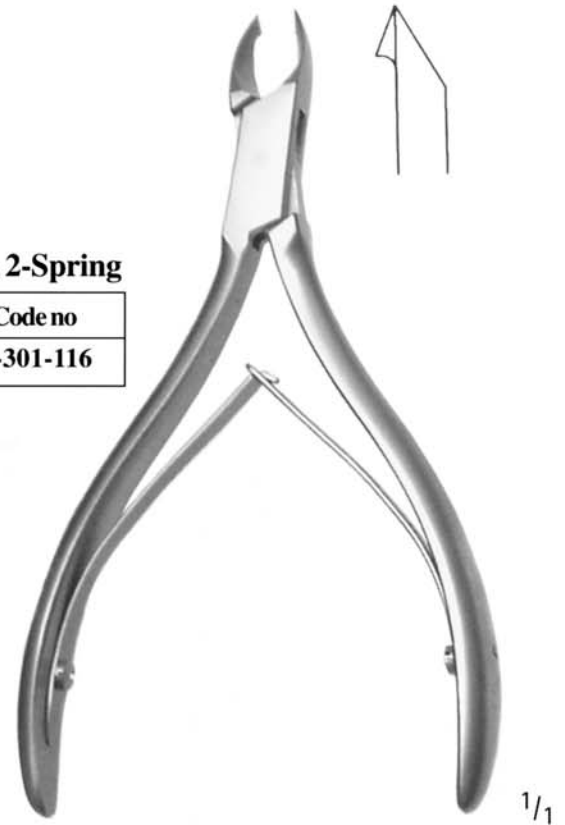


**Nail Nippers, Double action,
barrel spring**

		Code no	Size
A	concave	8-301-372	6" - 15 cm
B	flat	8-301-375	

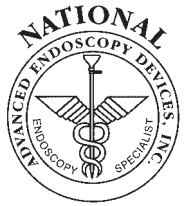
Cuticle Nippers, 2-Spring

Size	Code no
4 3/8" - 11 cm	8-301-116

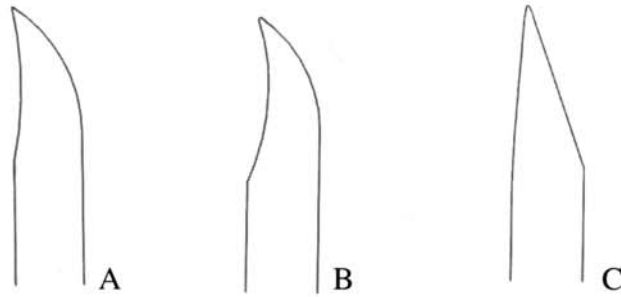


**Nail Nippers, Screw Joint,
2-Spring**

		Size	Code no
A	Flat	5 1/2" - 14 cm	8-301-143
B	Cvd		8-301-144



1/1



Nail Nippers, 2-Spring

		Code no	Size
A	delicate concave	8-301-147	5 1/2" - 14 cm
B	concave	8-301-148	
C	flat	8-301-149	

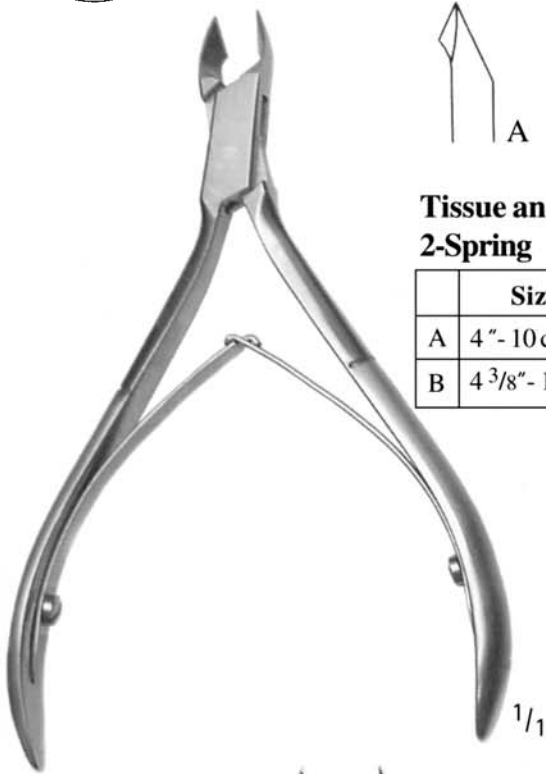


1/1



Nail Nippers, Concave Jaws

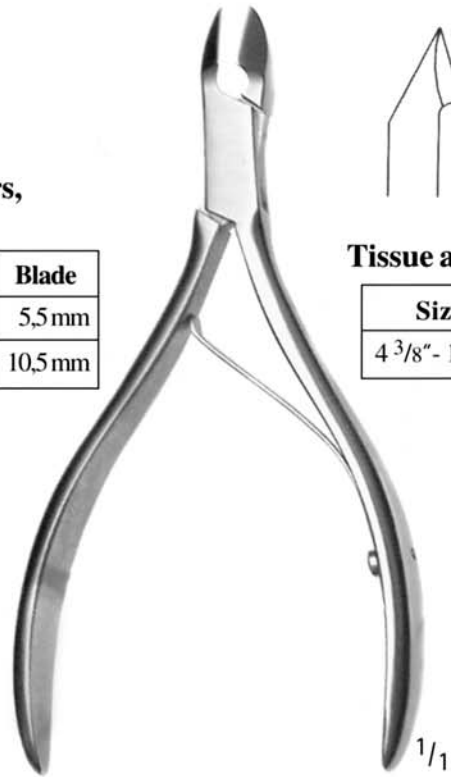
Size	Code no
5 1/4" - 13,5 cm	8-301-146



**Tissue and Cuticle Nippers,
2-Spring**

	Size	Code no	Blade
A	4" - 10 cm	8-301-106	5,5 mm
B	4 3/8" - 11 cm	8-301-111	10,5 mm

1/1



Tissue and Cuticle Nippers

Size	Code no
4 3/8" - 11 cm	8-301-118

1/1



**Double Spring Nail Nippers,
Concave Jaws, 2-Spring**

Size	Code no
5 1/4" - 13,5 cm	8-301-152

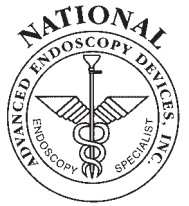
1/1

**Double Spring Nail Nippers,
Concave Jaws, 2-Spring**

Size	Code no
5 1/4" - 13,5 cm	8-301-150



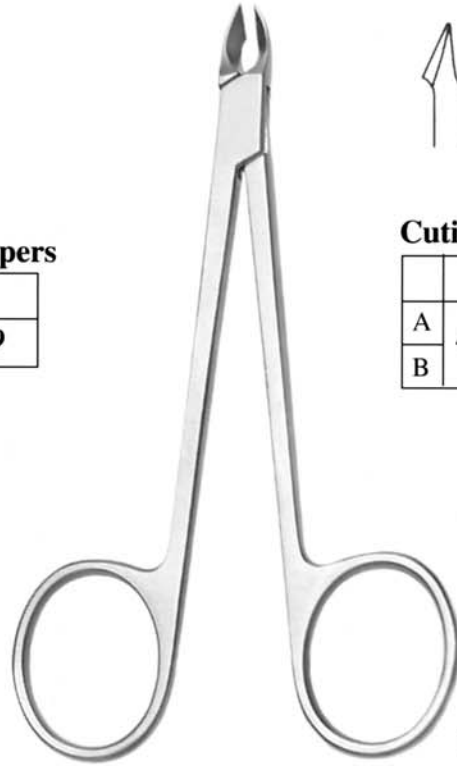
1/1



Tissue and Cuticle Nippers

Size	Code no
4 3/8" - 11 cm	8-301-119

1/1



Cuticle Nippers

	Size	Code no
A	4" - 10 cm	8-301-137
B		8-301-139

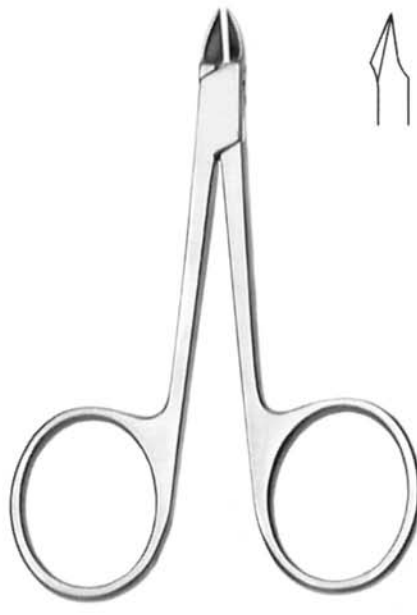
1/1



1/1

Cuticle Nippers

Size	Code no
3 1/2" - 8,5 cm	8-301-133



1/1

Cuticle Nippers

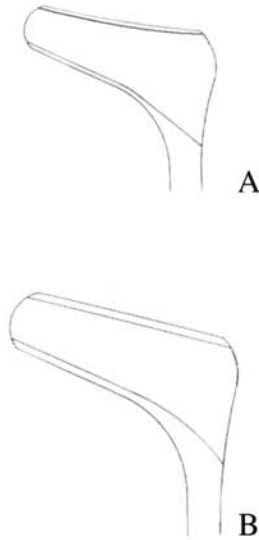
Size	Code no
3 1/4" - 8 cm	8-301-130



1/1

Nail Scissors, curved

Size	Code no
3 1/2" - 8,5 cm	8-302-383



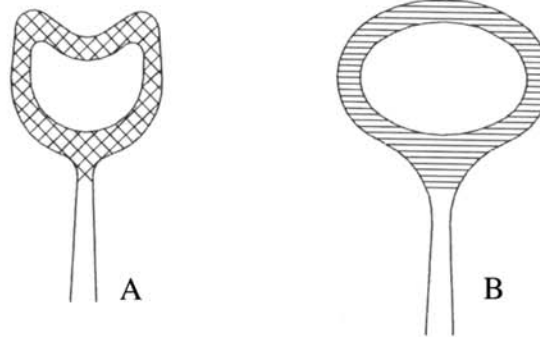
Nasal Speculums, with set screw

	Size		Code no
A	6 1/8" - 15,5 cm	6 x 27 mm	8-090-384
B	6 1/4" - 16 cm	8 x 32 mm	8-090-386



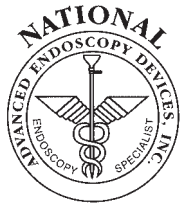
SCHROEDER Tenaculum Forceps, 2 x 2 teeth

Size	Code no
9 1/2" - 24 cm	8-265-186



Tongue Seizing Forceps

	Size		Code no
A	5 1/2" - 14 cm	20mm	8-095-181
B	6 3/4" - 17 cm	28mm	8-095-183



3-Prong Plaster Cast Spreaders

Size	Code no
8 3/4" - 22 cm	8-046-386



Plaster Nippers

Size	Code no
8 1/4" - 21 cm	8-046-200



LISTER Bandage Scissors

Size	Code no
5 3/4" - 14,5 cm	8-040-304
7" - 18 cm	8-040-305



ESMARCH Heavy Duty Bandage and Cast Shears

Size	Code no
8" - 20 cm	8-041-310



Scissors for left-handed, 5 3/4"

		Code no
straight	Sharp-Blunt	8-029-248
curved		8-029-250
straight	Blunt-Blunt	8-029-252
curved		8-029-254
straight	Sharp-Sharp	8-029-256
curved		8-029-258



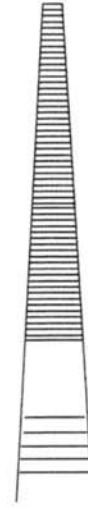
Scissors for left-handed, Delicate

Size	Code no
str. 4 3/8" - 11 cm	8-029-587
cvd. 4 3/8" - 11 cm	8-029-588

LABORATORY FORCEPS



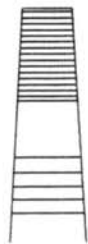
A



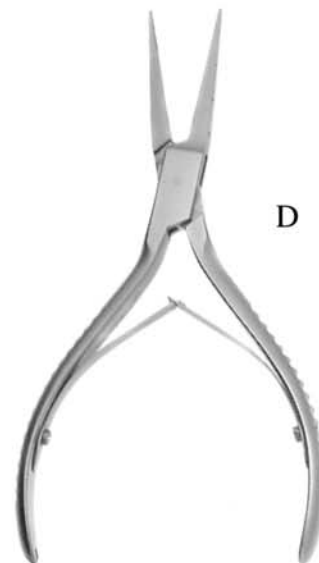
B

**High Quality S.S, Universal Laboratory Forceps
a. Wire Cutters (for soft wire up to .04")**

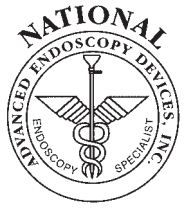
	Size		Code no
A	7" - 17,5 cm	Slim Nose	8-162-058
B	7 7/8" - 20 cm	Long Nose	8-162-059
C	6 1/2" - 16,5 cm	Square Nose	8-162-060
D	6" - 15 cm	Delicate Slim Nose	8-162-047



C



D



Features and Benefits:

- Patented design enables the Kerrison to be fully cleaned, thus, eliminating the build up of bone, tissue, and Bio burden that can cause sticking and or non-performance.
- Wide grip handles provides complete comfort and control.
- Single button makes ease of opening and closing.
- Bite size numbers are etched on both sides of kerrisons. Proven design provides a consistent smooth cutting action.
- Kerrison is manufactured completely from the highest grade German stainless steel.
- Made in Germany.

Sizes available

<u>Model #</u>	<u>Description</u>		
	<u>Bite Size</u>	<u>Length</u>	<u>Angle of Tip</u>
8527-00	1mm	x 180mm	x 40 Deg
8527-01	2mm	x 180mm	x 40 Deg.
8527-02	3mm	x 180mm	x 40 Deg.
8527-03	4mm	x 180mm	x 40 Deg.
8527-04	5mm	x 180mm	x 40 Deg.
8527-05	1mm	x 200mm	x 40 Deg.
8527-06	2mm	x 200mm	x 40 Deg.
8527-07	3mm	x 200mm	x 40 Deg
8527-08	4mm	x 200mm	x 40 Deg
8527-09	5mm	x 200mm	x 40 Deg
8527-10	1mm	x 180mm	x 90 Deg.
8527-11	2mm	x 180mm	x 90 Deg.
8527-12	3mm	x 180mm	x 90 Deg.
8527-13	4mm	x 180mm	x 90 Deg
8527-14	5mm	x 180mm	x 90 Deg
8527-15	1mm	x 200mm	x 90 Deg
8527-16	2mm	x 200mm	x 90 Deg.
8527-17	3mm	x 200mm	x 90 Deg
8527-18	4mm	x 200mm	x 90 Deg
8527-19	5mm	x 200mm	x 90 Deg.



Champion Kerrison

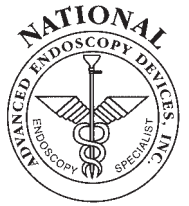
Features and Benefits:

- Universal Design
- MFG From 100% High Grade German Stainless Steel
- Unique Clean out Distal
- Bite Size numbers etched on both sides of kerrison
- Made In Germany



Model #	Description		
	Bite Size	Length	Angle of Tip
8530-00	1mm	x 180mm	x 40 Deg.
8530-01	2mm	x 180mm	x 40 Deg.
8530-02	3mm	x 180mm	x 40 Deg.
8530-03	4mm	x 180mm	x 40 Deg.
8530-04	5mm	x 180mm	x 40 Deg.
8530-05	1mm	x 200mm	x 40 Deg.
8530-06	2mm	x 200mm	x 40 Deg.
8530-07	3mm	x 200mm	x 40 Deg.
8530-08	4mm	x 200mm	x 40 Deg.
8530-09	5mm	x 200mm	x 40 Deg.
8530-10	1mm	x 180mm	x 90 Deg.
8530-11	2mm	x 180mm	x 90 Deg.
8530-12	3mm	x 180mm	x 90 Deg.
8530-13	4mm	x 180mm	x 90 Deg.
8530-14	5mm	x 180mm	x 90 Deg.
8530-15	1mm	x 200mm	x 90 Deg.
8530-16	2mm	x 200mm	x 90 Deg.
8530-17	3mm	x 200mm	x 90 Deg.
8530-18	4mm	x 200mm	x 90 Deg.
8530-19	5mm	x 200mm	x 90 Deg.





Features and Benefits

- Universal Design
- Harden Jaw For Consistent smooth cutting
- MFG in Germany From the Highest Grade German Stainless Steel



Model #	Description
8528-08	Kwik-Kleen Punch
8528-08-A	Kwik-Kleen Punch Jaw Shaft Only
8528-09	Ferris –Smooth Bone Ronguer
8528-10A	Tischler Punch – Jaw & Shaft Only
8528-12	Mini Punch
8528-13	Burke Punch
8528-14	Baby Tischler



Arthro - Pro

Features and Benefits

- Ergo Handle Design
- Mfg in Germany from 100 % High Grade-German Stainless Steel
- Large variety of Jaw Patterns
- Slim and Light weight handles
- Low profile punch jaws
- Performance Proven design
- Available in 2.7mm and 3.4mm Dia.
- Available in Vertical Angles – 7 Deg – 15 Deg Upturn
- Available in Horizontal Angles – 15 Deg -30 Deg – 45 Deg Right and Left



Jaw Patterns Available

Grasper
Spoon-Biopsy
Duckbill Punch
Low Profile Punch
Suction Punch

Side Biter
Back Biter
Scissor Punch
Scissor
Hook Punch

Contact Rep For specific model numbers and Ordering Information.

SAMPLE OF JAW PATTERNS



Grasper



Rt. Angle Punch



Axial Tooth Grasper



Stinger Back Biter



Scissor Punch



Duckbill Punch

ALPHABETICAL INDEX

ADSON Tissue Forceps	21	LANGENBECK Elevators	33
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ADVANCED ENDOSCOPY DEVICES, INC.

22134 Sherman Way

Canoga Park, CA 91303 • USA

Phone: (818) 227-2720

Fax: (818) 227-2724

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