

General Instrument Sourcebook

Instruments
for
Surgeons



KMedic®

KMedic

Founded in 1986, KMedic is today the leading provider of orthopedic surgical instruments in the United States. KMedic has achieved this position by focusing its energies and wherewithal on orthopedic surgical instruments. This consistent focus and commitment enables KMedic to provide the orthopedic community with an ever-increasing selection of fine instruments that conform to the highest standards of precision and reliability, consistency of pattern and lasting value.

KMedic's Mission

KMedic aspires to be — and to be recognized by the medical profession as — the best orthopedic surgical instrument company. We will achieve this position by passionately pursuing excellence and by dedicating ourselves to improving the quality of life of everyone who interacts with us, particularly those individuals who rely on our products to heal and to cure.

The KMedic Guarantee

KMedic instruments are guaranteed for life against manufacturing defects of material and workmanship. This guarantee is void if instruments are not maintained or repaired properly, or if they are not used for their intended surgical purpose. Tungsten carbide inserts on scissors, needle holders and wire cutters are guaranteed for three years. Replacement parts, such as springs, are guaranteed for one year.

KMedic Certified Instruments

KMedic is a company with a passion for excellence. As such, we are committed to “raising the bar” in every aspect of our business, from customer service to product development. With regard to instruments, this commitment takes the form of superior products that perform impeccably. In order to provide surgeons with the tools they need to operate with the utmost skill and confidence, we have introduced an instrument certifying process that is second to none in the industry. See inside back cover.

Every step in the creation and distribution of KMedic-branded instruments — from material testing and crafting, to delivery and customer service — follows our exacting standards. To achieve this level of excellence, we have a Quality Assurance Program that begins at the President’s office and continues through every KMedic department, down to our loading dock. This program demands:

- That quality is built into every product through excellent design and good manufacturing practices
- Scrupulous adherence to our award-winning Quality Assurance Policy
- The presence of German-trained quality assurance personnel — including instrument makers, engineers and inspectors — to supervise prevention and verification activities

After more than a decade, the proven success of our Quality Assurance Program enables us to “guarantee for life” KMedic Certified Instruments.

About Illustrations

Please keep in mind that the illustrations in this guide indicate general design only. As instrument making is characterized by continual refinement — subject to innovation and improvement — we reserve the right to ship the most modern pattern of a given instrument.

In addition, measurements given for overall length may vary slightly because of metric conversion. Detailed drawings marked $\frac{1}{1}$ are approximately the actual size. Those marked $\frac{1}{2}$ are approximately one half the actual size.

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Ordering Information

KMedic Certified instruments and products may be ordered through an authorized representative. For the KMedic Representative serving your area, please call (800) 955-0559.

KMedic is now available in 70 countries around the globe. For the representative serving your country, please call (201) 767-4002 or contact us on-line: www.kmedic.com.

When ordering, and to avoid substitutions, please specify the KMedic product number, as well as the product description.

Customer Service and Relations

If you have a question or problem regarding KMedic products or services, please don't hesitate to either notify your representative or to call KMedic at (800) 955-0559. Should you need to return an instrument, feel free to contact either your KMedic Representative or KMedic.

To receive more information on new products, or to send us an e-mail, visit our web site @ www.kmedic.com.

In addition to the KMedic General Instrument Sourcebook™, we also publish the KMedic Orthopedic Sourcebook™, the KMedic Spinal Sourcebook™ and the KMedic Foot and Ankle Sourcebook™. To obtain copies of these publications, please contact KMedic directly.

Instrument Maintenance and Repair Program

The KMedic/Pilling Instrument Maintenance and Repair Program is designed to keep your instruments in optimum working condition. By providing routine maintenance, this program helps extend the life of your instruments and thereby saves on replacement and related costs.

Under this program, we will refurbish or repair KMedic and other high-quality instruments. Our services also include: precise sharpening, adjustments, refinishing and lubrication.

We will complete most repairs within 3 to 5 working days. If immediate attention is required, please call us in advance, and ask for our Rush Service.

As part of this program, any KMedic instrument defect covered by our guarantee will be replaced or repaired free of charge. All our repair work is tested and guaranteed to perform its intended tasks. If you are not completely satisfied, we will rework the item at no charge.

For more information about our Repair Program or to receive a price list, call (800) 955-0559.

Instrument Longevity Through Proper Care

Your purchase of KMedic instruments represents a considerable investment. By following these guidelines you will protect your investment and ensure many years of productive and satisfactory performance.

Maintaining the Surface

KMedic Certified stainless steel surgical instruments are made of corrosion resistant, high-grade specialty steels that are especially selected to meet the varying requirements of cutting, clamping, retracting and chiseling.

A special characteristic of these steels is that they form passive layers on the instrument's surface, which protect against corrosion. These layers act as an invisible patina and with repeated use and exposure to air, the instruments become increasingly corrosion resistant.

While every effort is made during the manufacturing process to ensure that instruments are corrosion resistant, the real key to longevity is proper maintenance. Toward that end, you must do your part by caring for your instruments. In a sense, the name "stainless steel" is a misnomer, one which should not be taken literally. When not properly treated, steel can rust or stain, reducing the life of the instrument or rendering it useless. The following sections outline proper instrument care.

New Instruments

Newly purchased instruments must be cleaned, lubricated and autoclaved immediately before use.

Correct Use

Obvious as it sounds, it bears repeating: Instruments are designed for a particular purpose and should be used only for that purpose. Even the strongest instrument can be damaged when used inappropriately, i.e., when a rongeur is used to cut wire.

Water and Stainless Steel

Ordinary tap water contains minerals that can cause discoloration and staining. Therefore, we recommend the use of distilled water for cleaning, disinfecting, sterilizing and rinsing instruments. To avoid staining, use a cleaning solution with a pH near neutral (7).

Manual Cleaning and Soaking

When handling instruments, be very careful not to damage their fine tips and mechanisms. If instruments have been exposed to blood, tissue, saline or other foreign matter, you must rinse them in warm (not hot) water before these substances are allowed to dry. After rinsing, immerse them in a cleaning and disinfecting solution.

Because many compounds, including certain chemicals, are highly corrosive to stainless steel, rinse and dry instruments immediately, in case they have come in contact with any potentially harmful substances.

If no ultrasonic cleaner is available, clean the instrument very carefully. Pay particular attention when cleaning boxlocks, serrations, hinges and other hard-to-reach areas. What's more, use nylon (not steel) brushes, such as KM 39-684, and warm (not hot) cleaning solutions. Follow the manufacturer's instructions for the preparation of the cleaning solutions. Remember to change these solutions daily.

Ultrasonic Cleaning

Ultrasonic is the most effective and efficient way to clean your instruments. To maximize its effectiveness, your instruments should be cleaned of all visible debris before they are put into an ultrasonic cleaner. Please note that chrome-plated instruments may rust if they are not dried and lubricated immediately after sterilization. In addition, we recommend the following:

- Do not mix dissimilar metals, i.e., chrome and stainless, in the same cycle.
- Open all instruments so ratchets and boxlocks are accessible.
- Avoid piling instruments on top of each other when loading.
- Remove and rinse off instruments immediately after the cycle is finished.
- Dry instruments immediately after rinsing and allow them to air-dry thoroughly.
- Lubricate all moving parts.

Instrument Checkup

The best time to review the condition of your instruments is after they have been cleaned and lubricated and have cooled off. Consider the following:

Function:

Scissors must cut cleanly and close properly. Needle holders and clamps must engage properly and meet correctly at the tips.

Surface:

Carefully inspect surfaces for any sign of staining, cracking or other irregularities. Common sources of staining are:

- Inadequate cleaning
- Mixing dissimilar metals
- Impurities in the water
- Unsuitable or improper preparation and usage of cleaning and disinfecting or maintenance agents
- Non-compliance with operating procedures of cleaning and sterilizing equipment

Aluminum Trays

To avoid development of "Aluminum Salt" on your Al-trays, use only distilled water in your autoclave. Already developed "Aluminum Salt" is very difficult to remove which might cause damage of the anodized Al-surface. Any instrument or tray should be cleaned of debris with a non-acid detergent (neutral pH) prior to autoclaving.

Lubrication and Autoclaving

All instruments must be properly cleaned before autoclaving. Then their moving parts, such as boxlocks and hinges, should be well lubricated.

Be careful to use surgical lubricants and not industrial oils. Always sterilize instruments in the open, unlocked position. We recommend that instruments be wrapped in cloth and then placed in the container, or that a cloth be put on the bottom of the pan to absorb moisture. The cloth should be pH(7) neutral and have no residue of detergents. Finally, avoid sudden cooling of your instruments.

Cold Sterilizing or Disinfecting

Prolonged immersion in disinfecting or sterilizing solution can damage your surgical instruments. We recommend that you do not soak your instruments for longer than 20 minutes. To render the instruments sterile and ready for use, use an autoclave cycle.

Caution:

- Instruments with tungsten carbide inserts, such as wire cutters, needle holders and TC scissors, should never be immersed in sterilizing solutions containing Benzyl Ammonium Chloride (BAC). BAC will soften and dissolve the tungsten carbide.
- Never use bleach as it will cause severe pitting.

Storage

Once your instruments are thoroughly dry, store them in a clean, dry environment. Never put them in areas where chemicals may emit corrosive vapors or where temperature and moisture variations could cause condensation on the instruments.

KMedic Instrument Care Checklist

1. Rinse and soak soiled instruments immediately after use. Thoroughly clean before autoclaving.
2. Autoclave and sterilize instruments in an open position.
3. Do not stack or entangle instruments.
4. Follow recommendations made by equipment and solutions manufacturers.
5. Keep instruments properly lubricated.
6. Inspect instruments regularly.
7. If you experience a problem, at any stage of the instrument caring process, please consult with your KMedic Representative.

KMedic: In the Tradition of the Masters

Instrument making is a highly developed craft, and the craftspeople who make KMedic surgical instruments are the modern heirs to this ancient art. It is also a vocation that has respected its traditions over the centuries. So, while new techniques have kept pace with advances in surgical practices, the essence of the craft has changed very little. Today, computers and other advanced technology aid in the manufacture of instruments, but it remains the skills of gifted instrument makers that turn raw steel into the finely honed tools...ready for the surgeon's hand.

An Extension of the Hand

At KMedic we see instruments as an extension of a surgeon's hand. It is with this relationship in mind that we select the instruments offered in this Sourcebook. We demand from our instrument makers: precision and reliability, consistency of pattern and uniform surface, all at a good value. To ensure this level of quality, every one of our suppliers must meet our Quality Assurance Program. Only when they have met these strict standards do we qualify an instrument as KMedic Certified.

The idea that the instrument is an extension of the hand is more than a romantic notion at KMedic. It is directly related to superior performance. When you work with a KMedic instrument, you'll find it satisfies on many levels. First, like any well-crafted tool, it feels very good in your hand. What's more, it functions extremely well. Taken together these two feelings translate into greater confidence and ease.

Evolving Tradition

As we're all aware, new surgical techniques create a continual need for improvements, as well as for the introduction of entirely new instruments. KMedic responds to these needs by forming partnerships with leading surgeons.

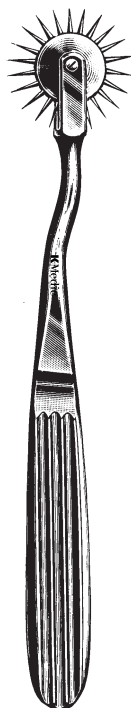
In the belief that closer communication will lead to further advancements, we invite you to call, or to e-mail us, and share your ideas for new and/or improved instrumentation. We look forward to hearing from you.



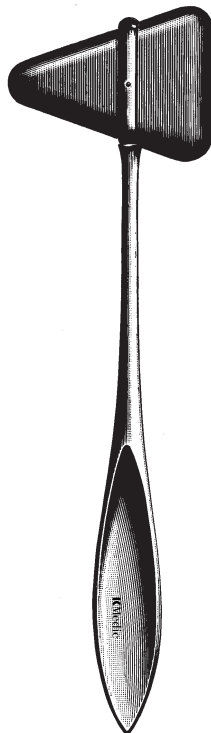
Thomas S. Bielan
President
KMedic

KMedic[®]

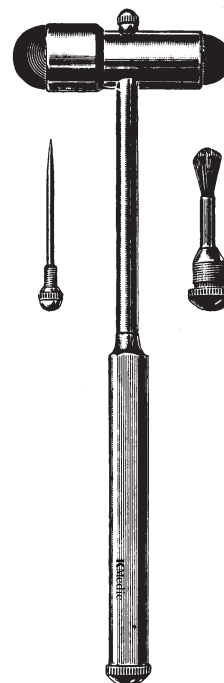
DIAGNOSTIC INSTRUMENTS AND SCALPEL HANDLES



**WARTENBERG
NEUROLOGICAL PIN WHEEL**
KM 28-514
7" (178mm)



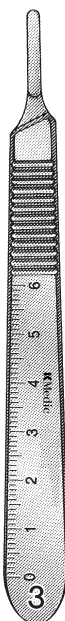
TAYLOR PERCUSSION HAMMER
KM 28-460 KM 28-468
7" (178mm) 8" (203mm)
small large



BUCK NEUROLOGICAL HAMMER
KM 28-492
7 3/4" (195mm) chrome
with brush and needle



SCALPEL HANDLE #3
KM 29-058
for blades 10 through 15



SCALPEL HANDLE #3
KM 29-059
mm and cm graduations
for blades 10 through 15



SCALPEL HANDLE #3L
KM 29-061
extra long
8 1/2" (216mm)
for blades 10 through 15

SCALPEL HANDLES

2



MINI SCALPEL HANDLE #3K
KM 29-070
for blades 61 through 67



SCALPEL HANDLE #4
KM 29-060
for blades 20 through 25



SCALPEL HANDLE #7
KM 29-062
for blades 10 through 15



SCALPEL HANDLE #9
KM 29-064
for blades 10 through 15
extra fine

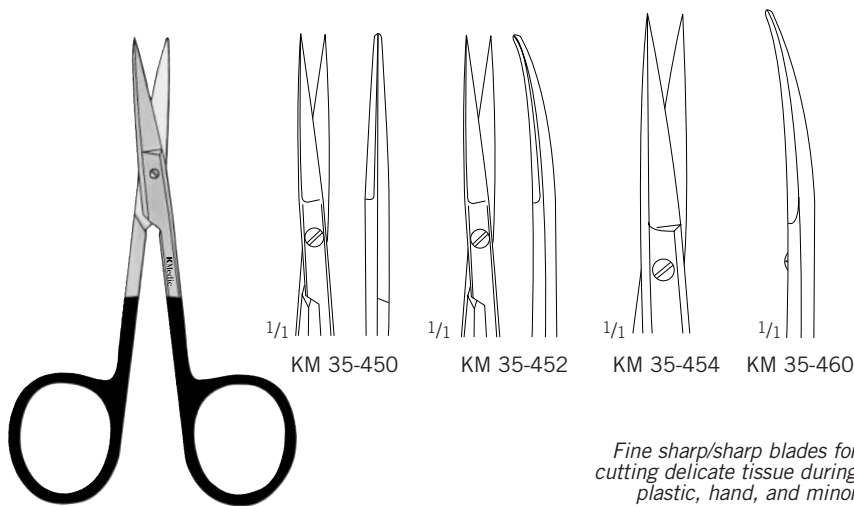
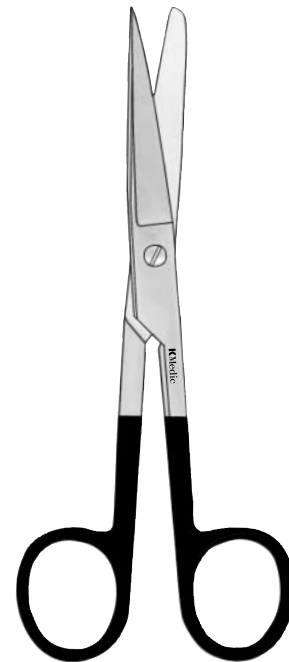
KMedic Super-Cut Scissors

Super-Cut Scissors represent a truly remarkable advance in scissors technology. Using the finest surgical steels, the latest heat treating methods and master craftsmanship, the upper blade of the scissors is ground to a razor-sharp edge. This process creates scissors with an unprecedented smooth and effective cutting action.

Some of the benefits of KMedic Super-Cut Scissors:

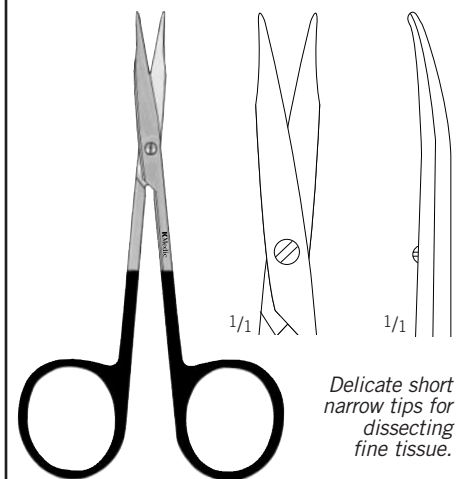
- Cut through soft and fibrous tissue without effort.
- Superb control permits precision in dissection.
- Less hand fatigue for the surgeon and less trauma for the patient.
- Retain sharpness longer than ordinary scissors.
- Ring handles are black-coated for easy identification.
- Fully autoclavable.
- Backed by KMedic's lifetime guarantee.
- Not recommended for fiberglass or plaster splints.

Surgeons who use our Super-Cut Scissors are convinced of their superior performance and won't do without them on their surgical trays.



SUPER-CUT IRIS SCISSORS sharp points

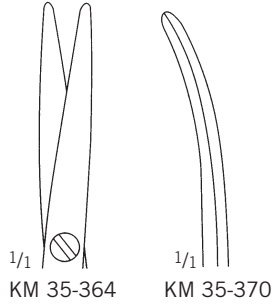
straight
 KM 35-450 3 1/2" (89mm) delicate
 KM 35-454 4 1/2" (114mm)
curved
 KM 35-452 3 1/2" (89mm) delicate
 KM 35-460 4 1/2" (114mm)



SUPER-CUT STEVENS SCISSORS blunt points

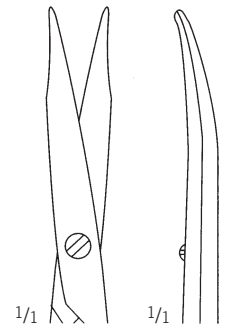
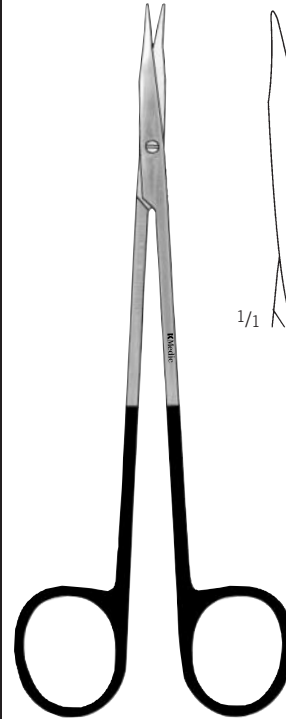
straight KM 35-484 4 1/2" *curved* KM 35-490 4 1/2" (114mm)
 KM 35-494 5 1/4" (133mm)

SUPER-CUT SCISSORS



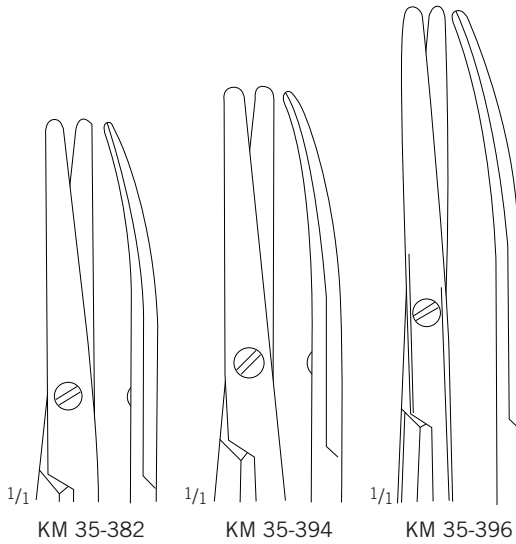
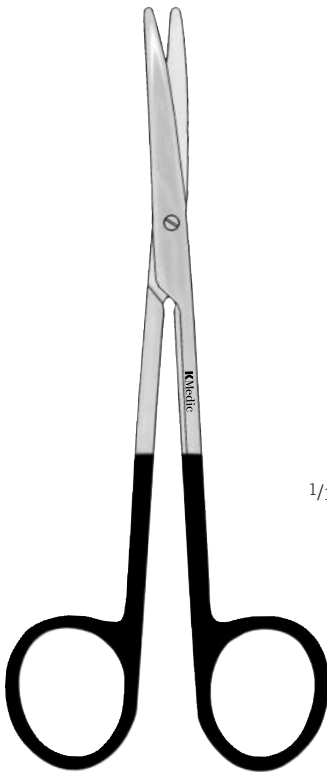
Flat, blunt scissors for dissecting soft tissue.

SUPER-CUT BABY METZENBAUM SCISSORS blunt points
 KM 35-364 4 1/2" (114mm) straight
 KM 35-370 4 1/2" (114mm) curved



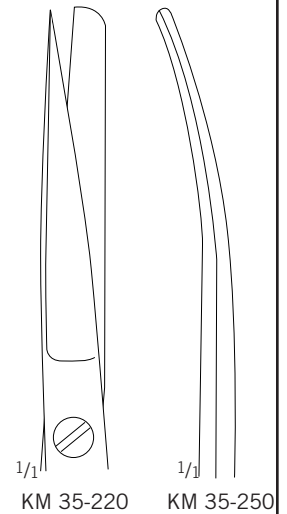
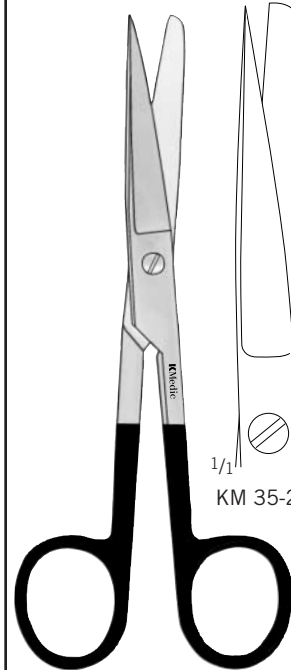
Very delicate blunt scissors with long handles for fine tissue dissection.

SUPER-CUT JAMISON SCISSORS
 KM 35-496 6 1/4" (159mm) curved blunt points, very delicate

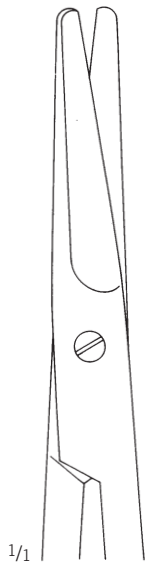


SUPER-CUT METZENBAUM SCISSORS blunt points

<i>straight</i>		<i>curved</i>	
KM 35-380	6" (152mm)	KM 35-382	6" (152mm)
KM 35-392	7" (178mm)	KM 35-394	7" (178mm)
		KM 35-396	7" (178mm) delicate
		KM 35-406	8" (203mm)
		KM 35-418	9" (229mm)
		KM 35-430	11" (279mm)



SUPER-CUT OPERATING SCISSORS
 KM 35-220 5 1/2" (140mm) straight sharp/blunt
 KM 35-250 5 1/2" (140mm) curved sharp/blunt



KM 35-280

SUPER-CUT MAYO SCISSORS

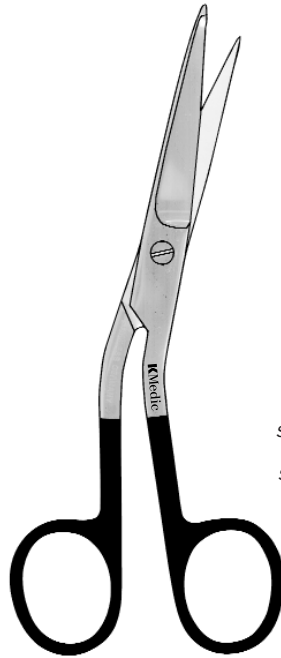
beveled blades, blunt points

straight

- KM 35-280 5 1/2" (140mm)
- KM 35-292 6 3/4" (171mm)
- KM 35-316 9" (229mm)

curved

- KM 35-286 5 1/2" (140mm)
- KM 35-298 6 3/4" (171mm)
- KM 35-322 9" (229mm)
- KM 35-340 11" (279mm)

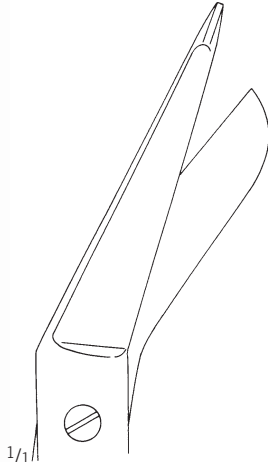


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The delicate offset shanks provide increased leverage. The fine knob slides easily under finger and toe bandages. Excellent for small bandages!

SUPER-CUT HI-LEVEL BANDAGE SCISSORS

KM 35-202
5 1/2" (140mm)
shanks angled on side



KM 35-210

Cuts bandages and multiple layers of dressings with ease. Razor sharp blades reduce hand fatigue.

SUPER-CUT LISTER BANDAGE SCISSORS

- KM 35-210 5 1/2" (140mm)
- KM 35-212 7 1/4" (184mm)



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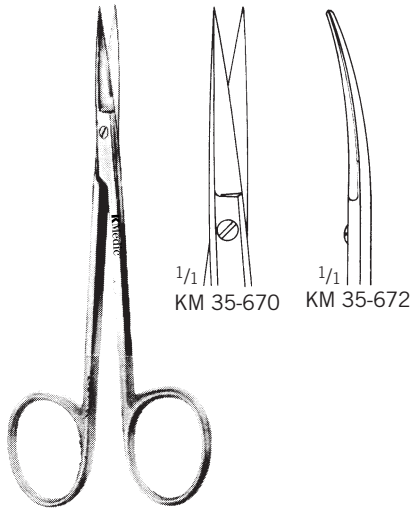
All the benefits of our Super-Cut Lister scissors plus an oversized finger ring, which helps relieve pressure on the third metacarpal.

SUPER-CUT LISTER BANDAGE SCISSORS WITH LARGE FINGER RING

- KM 35-214 8" (203mm)

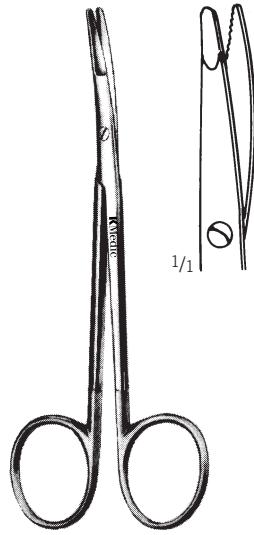
TUNGSTEN CARBIDE SCISSORS

Tungsten carbide (TC) is one of the hardest alloys made today. Our TC scissors have tungsten carbide firmly bonded to both cutting edges. We guarantee that they will stay sharp for at least three years. The finger rings are gold plated for easy identification.



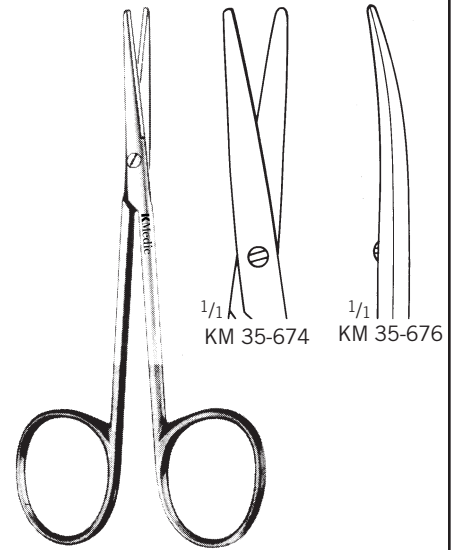
TC IRIS SCISSORS

KM 35-670	KM 35-672
4½" (114mm)	4½" (114mm)
straight	curved
sharp points	sharp points



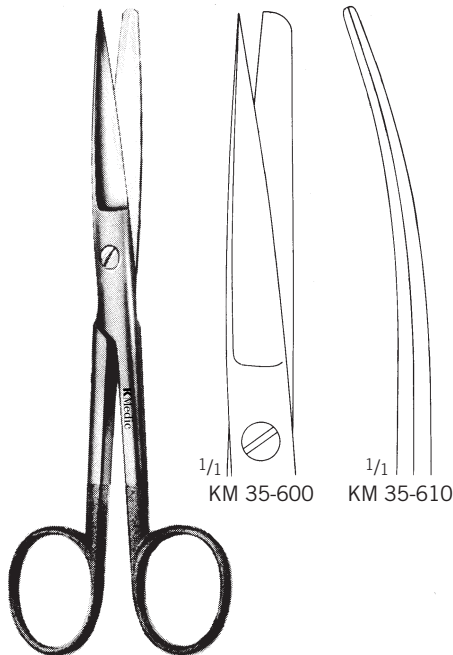
BLEPHAROPLASTY SCISSORS

KM 35-510
4½" (114mm) curved flat tips, one serrated and one carbide blade



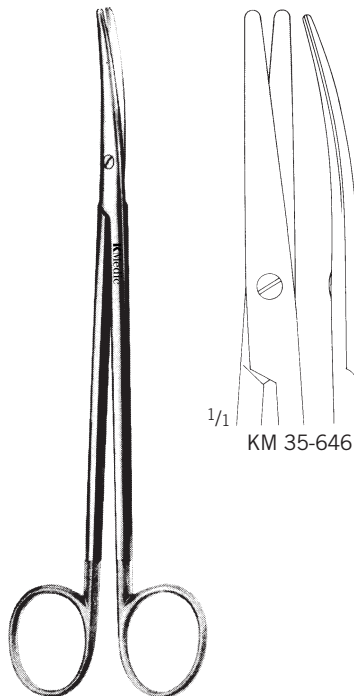
TC STRABISMUS SCISSORS

KM 35-674	KM 35-676
4½" (114mm)	4½" (114mm)
straight	curved
blunt points	blunt points



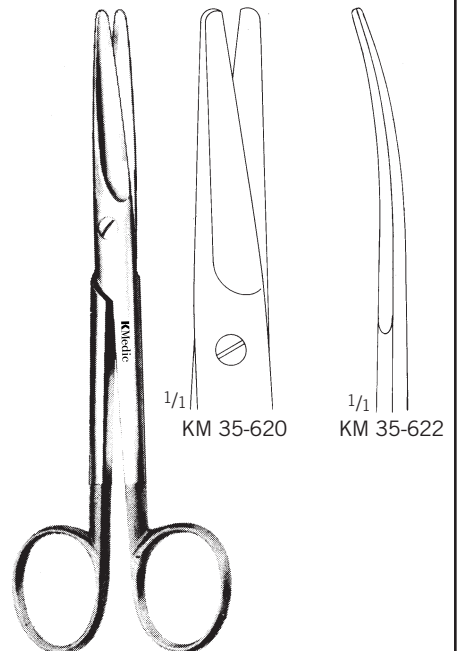
TC OPERATING SCISSORS

KM 35-600	KM 35-610
5½" (140mm)	5½" (140mm)
straight	curved
sharp/blunt	sharp/blunt



TC METZENBAUM SCISSORS blunt points

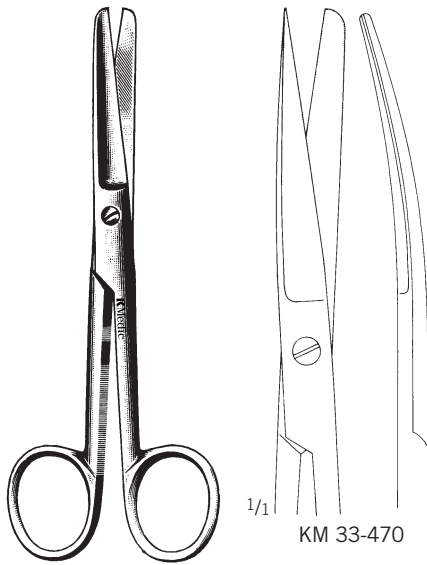
straight	curved
KM 35-640 6"	KM 35-642 6" (152mm)
KM 35-644 7"	KM 35-646 7" (178mm)
KM 35-652 9"	KM 35-654 9" (229mm)



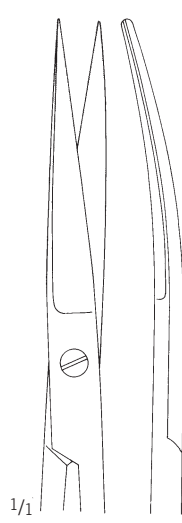
TC MAYO SCISSORS beveled blades

straight	curved
KM 35-620 5½"	KM 35-622 5½" (140mm)
KM 35-624 6¾"	KM 35-626 6¾" (171mm)
KM 35-628 9"	KM 35-630 9" (229mm)

Most scissors can be serrated upon request.



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KM 33-470



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KM 33-472



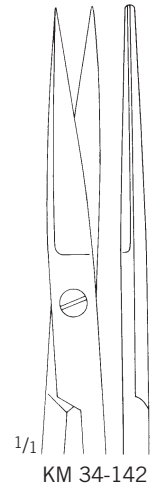
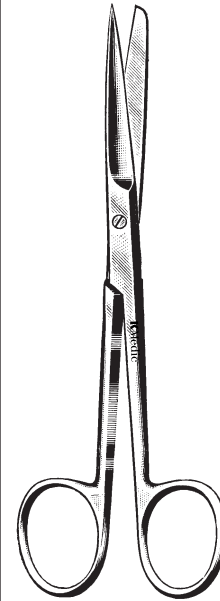
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KM 33-474

OPERATING SCISSORS *straight*

- KM 33-300 4 1/2" (114mm) sharp/blunt
- KM 33-302 4 1/2" (114mm) sharp/sharp
- KM 33-304 4 1/2" (114mm) blunt/blunt
- KM 33-310 5" (127mm) sharp/blunt
- KM 33-312 5" (127mm) sharp/sharp
- KM 33-314 5" (127mm) blunt/blunt
- KM 33-320 5 1/2" (140mm) sharp/blunt
- KM 33-322 5 1/2" (140mm) sharp/sharp
- KM 33-324 5 1/2" (140mm) blunt/blunt
- KM 33-370 6 1/2" (165mm) sharp/blunt
- KM 33-372 6 1/2" (165mm) sharp/sharp
- KM 33-374 6 1/2" (165mm) blunt/blunt

OPERATING SCISSORS *curved*

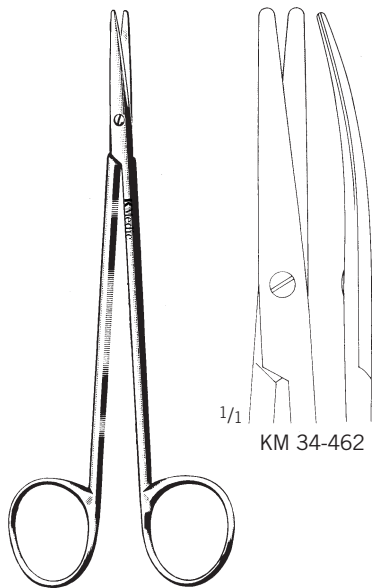
- KM 33-470 4 1/2" (114mm) sharp/blunt
- KM 33-472 4 1/2" (114mm) sharp/sharp
- KM 33-474 4 1/2" (114mm) blunt/blunt
- KM 33-482 5" (127mm) sharp/blunt
- KM 33-484 5" (127mm) sharp/sharp
- KM 33-486 5" (127mm) blunt/blunt
- KM 33-490 5 1/2" (140mm) sharp/blunt
- KM 33-492 5 1/2" (140mm) sharp/sharp
- KM 33-494 5 1/2" (140mm) blunt/blunt
- KM 33-520 6 1/2" (165mm) sharp/blunt
- KM 33-522 6 1/2" (165mm) sharp/sharp
- KM 33-524 6 1/2" (165mm) blunt/blunt



1/1
KM 34-142

DEAVER SCISSORS 5 1/2" (140mm)

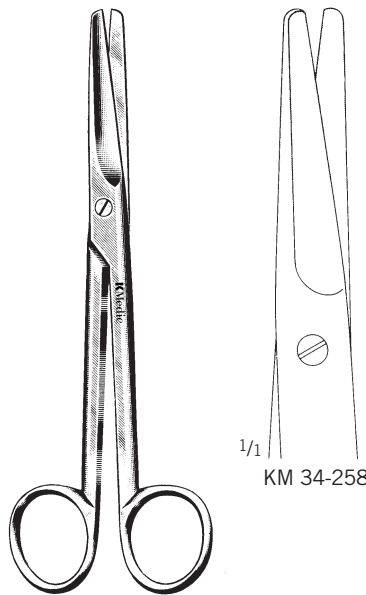
- | | |
|-----------------------|-----------------------|
| <i>straight</i> | <i>curved</i> |
| KM 34-140 sharp/blunt | KM 34-150 sharp/blunt |
| KM 34-142 sharp/sharp | KM 34-152 sharp/sharp |



1/1
KM 34-462

METZENBAUM SCISSORS blunt points

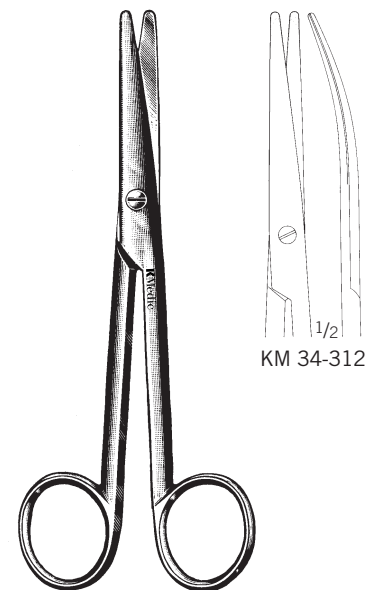
- | | |
|--------------------------|---------------------------|
| <i>straight</i> | <i>curved</i> |
| KM 34-436 4 1/2" (114mm) | KM 34-438 4 1/2" (114mm) |
| KM 34-458 6" (152mm) | KM 34-462 6" (152mm) del. |
| KM 34-466 7" (178mm) | KM 34-470 7" (178mm) |
| | KM 34-494 7" (178mm) del. |
| KM 34-472 8" (203mm) | KM 34-474 8" (203mm) |
| KM 34-476 9" (229mm) | KM 34-478 9" (229mm) |
| KM 34-486 11" (279mm) | KM 34-488 11" (279mm) |



1/1
KM 34-258

MAYO SCISSORS beveled blades

- | | |
|--------------------------|--------------------------|
| <i>straight</i> | <i>curved</i> |
| KM 34-256 5 1/2" (140mm) | KM 34-258 5 1/2" (140mm) |
| KM 34-260 6 3/4" (171mm) | KM 34-262 6 3/4" (171mm) |
| KM 34-292 9" (229mm) | KM 34-294 9" (229mm) |
| <i>serrated</i> | <i>serrated</i> |
| KM 34-280 6 3/4" (171mm) | KM 34-282 6 3/4" (171mm) |

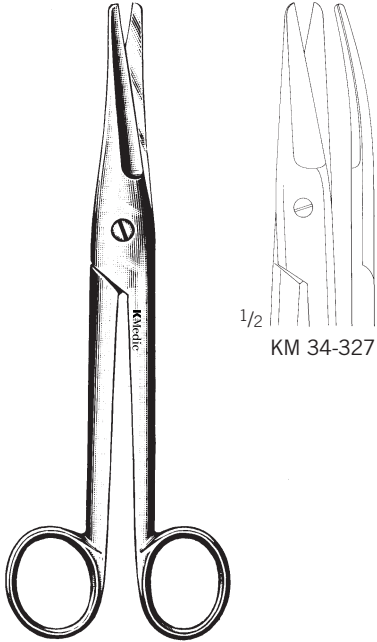


1/2
KM 34-312

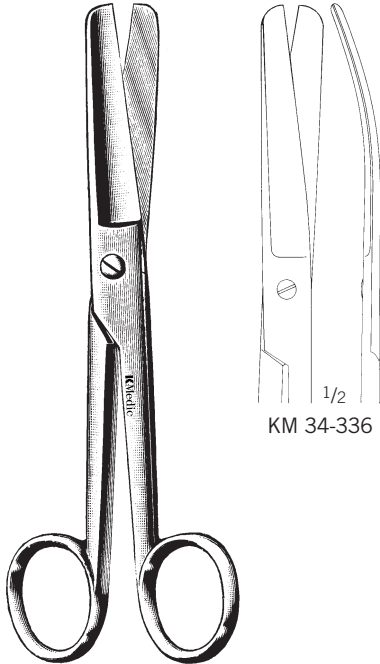
MAYO-STILLÉ SCISSORS rounded blades

- | | |
|--------------------------|--------------------------|
| <i>straight</i> | <i>curved</i> |
| KM 34-306 5 1/2" (140mm) | KM 34-308 5 1/2" (140mm) |
| KM 34-310 6 3/4" (171mm) | KM 34-312 6 3/4" (171mm) |

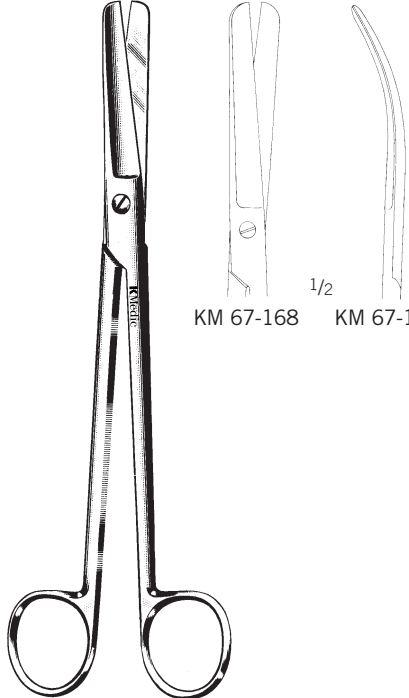
OPERATING SCISSORS



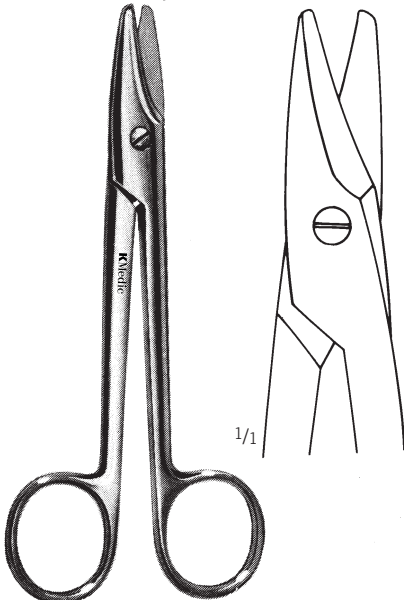
MAYO-NOBLE SCISSORS beveled blades
 KM 34-325 KM 34-327
 6½" (165mm) 6½" (165mm)
 straight curved



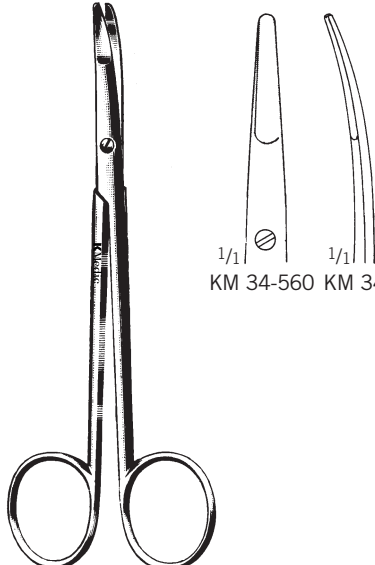
DOYEN ABDOMINAL SCISSORS
 KM 34-334 KM 34-336
 7" (178mm) 7" (178mm)
 straight curved



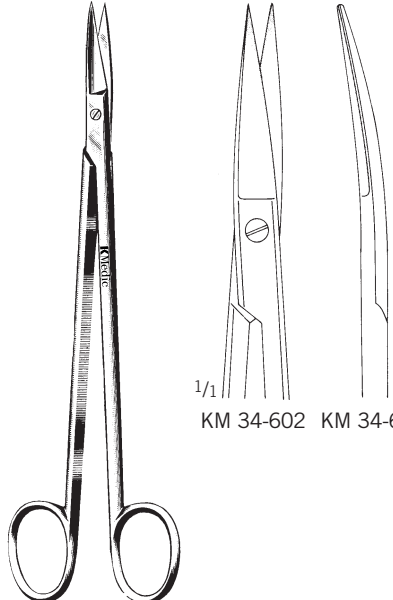
SIMS SCISSORS 8" (203mm)
straight *curved*
 KM 67-164 sharp/sharp KM 67-170 sharp/sharp
 KM 67-166 sharp/blunt KM 67-172 sharp/blunt
 KM 67-168 blunt/blunt KM 67-174 blunt/blunt



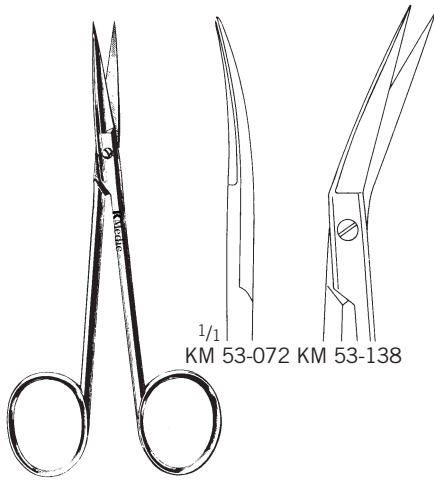
SISTRUNK SCISSORS heavy pattern
 KM 34-356 KM 34-358
 5½" (140mm) 5½" (140mm)
 straight curved



RAGNELL SCISSORS
 KM 34-560 KM 34-562
 5" (127mm) 7" (178mm)
 curved curved
 flat blunt tips flat blunt tips



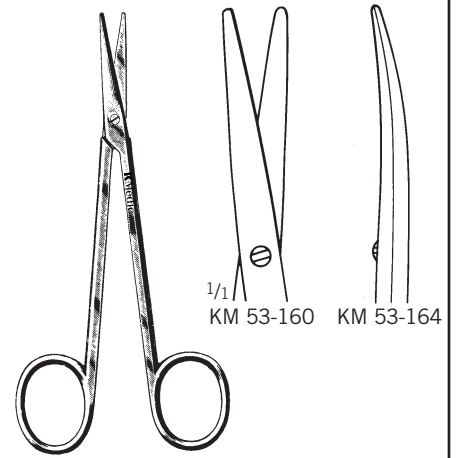
KELLY FISTULA SCISSORS 6¼" (159mm)
 smooth sharp/sharp
 KM 34-602 straight
 KM 34-607 curved
 KM 34-612 angular



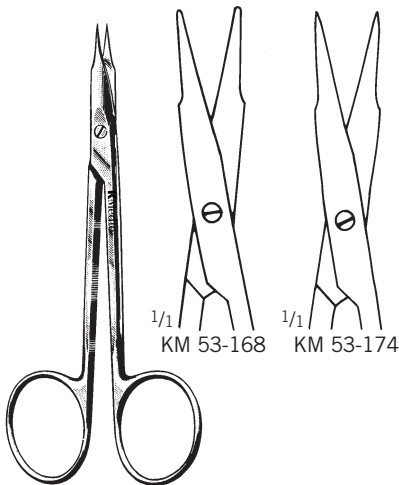
IRIS SCISSORS sharp points
straight
 KM 53-064 3½" KM 53-066 3½" (89mm)
 KM 53-068 4½" KM 53-072 4½" (114mm)
 KM 53-080 4½" KM 53-084 4½" (105mm)
 delicate delicate
angled on side
 KM 53-138 4½" (114mm)



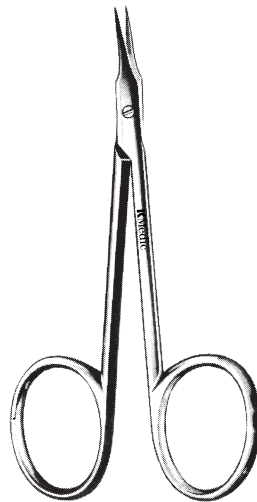
PLASTIC SURGERY SCISSORS 4¾" (121mm)
straight
 KM 33-532 sharp/sharp KM 33-538 sharp/sharp
 KM 33-534 sharp/blunt KM 33-540 sharp/blunt
 KM 33-536 blunt/blunt KM 33-542 blunt/blunt
angled on side
 KM 33-544 sharp/sharp



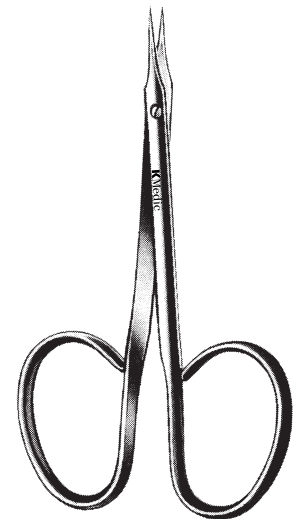
STRABISMUS SCISSORS
 KM 53-160 KM 53-164
 4" (102mm) 4" (102mm)
straight *curved*
 blunt points blunt points



STEVENS TENOTOMY SCISSORS
straight
 KM 53-168 4¾" (108mm) blunt/blunt
 KM 53-174 4¾" (108mm) sharp/sharp
curved
 KM 53-172 4¾" (108mm) blunt/blunt
 KM 53-176 4¾" (108mm) sharp/sharp



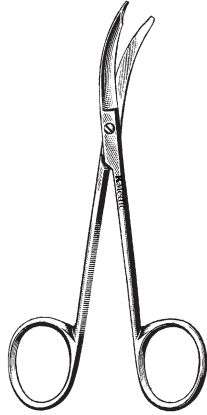
GRADLE SCISSORS
 KM 53-316
 3¾" (95mm) slightly curved
 sharp/sharp



GRADLE SCISSORS
 KM 53-318
 4" (102mm) slightly curved
 ribbon type, sharp/sharp

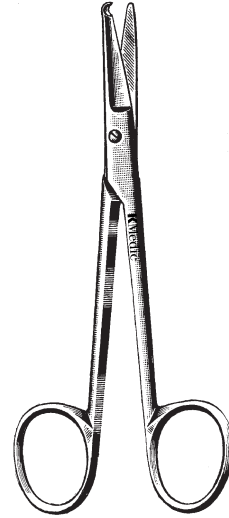
SUTURE SCISSORS

10



SHORTBENT STITCH SCISSORS

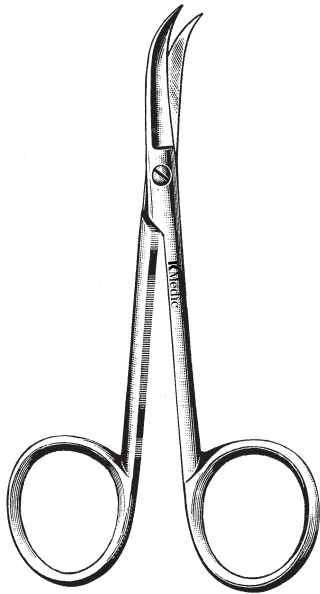
KM 35-080
3 1/2" (89mm)
curved on side
delicate



SPENCER STITCH SCISSORS

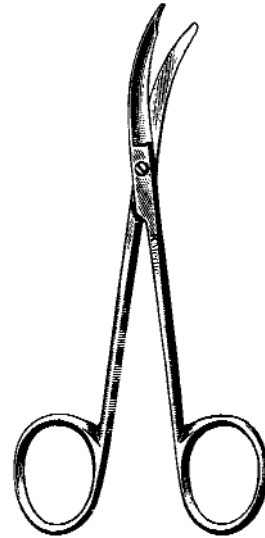
KM 35-068
3 1/2" (89mm)
delicate
straight

KM 35-092
4 3/4" (121mm)
delicate
straight



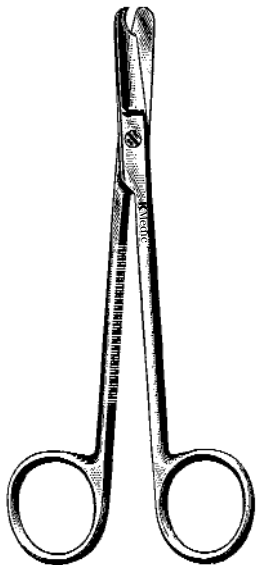
HILL STITCH SCISSORS

KM 35-084
4 1/4" (108mm)

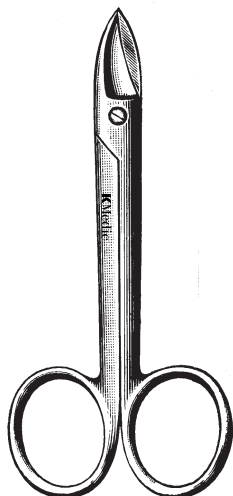


NORTHBENT STITCH SCISSORS

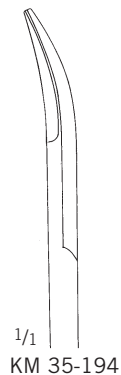
KM 35-104
4 3/4" (121mm)
curved on side



LITTAUER STITCH SCISSORS
 KM 35-120
 5 1/2" (140mm)



WIRE CUTTING SCISSORS 4" (102mm)
straight
 KM 35-168 smooth
 KM 35-170 one serrated blade

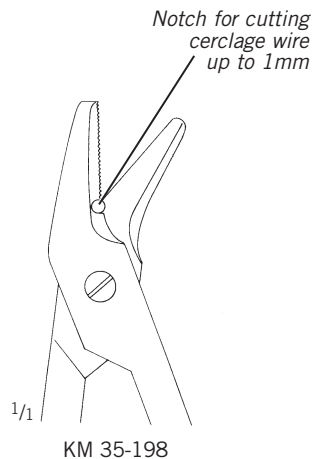


1/1
 KM 35-194

curved
 KM 35-192 smooth
 KM 35-194 one serrated blade



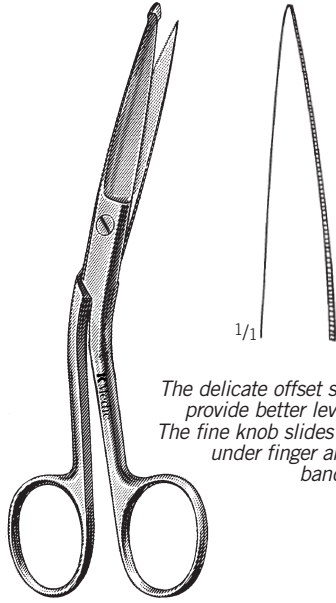
WIRE CUTTING SCISSORS 4 3/4" (121mm)
 KM 35-198 one serrated blade, angular
 KM 35-200 one serrated blade, angular carbide



1/1
 KM 35-198

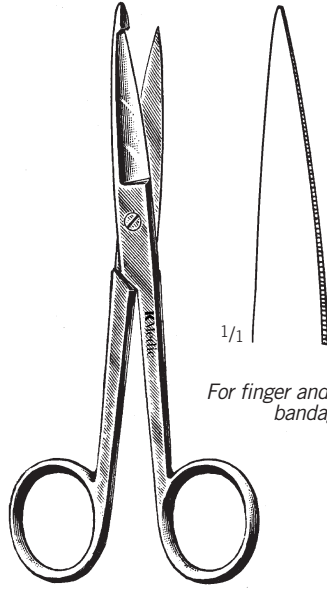
Notch for cutting
 cerclage wire
 up to 1mm

BANDAGE AND UTILITY SCISSORS



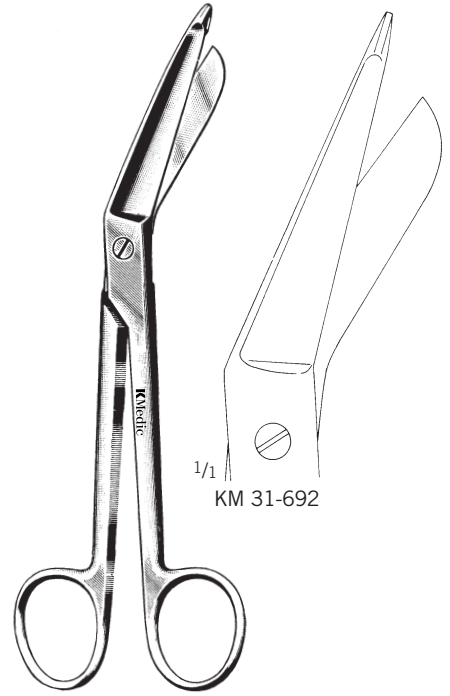
The delicate offset shanks provide better leverage. The fine knob slides easily under finger and toe bandages.

HI-LEVEL BANDAGE SCISSORS
 KM 31-792
 5½" (140mm) shanks angled on side
 one serrated blade



For finger and toe bandages.

KNOWLES BANDAGE SCISSORS
 KM 31-804
 5½" (140mm) straight
 one serrated blade



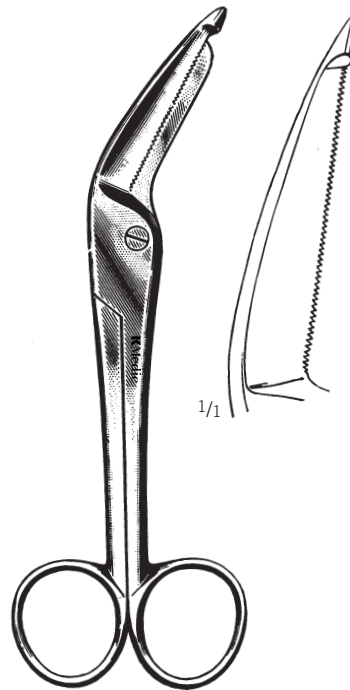
1/1
 KM 31-692

LISTER BANDAGE SCISSORS
 KM 31-668 3½" (89mm)
 KM 31-680 4½" (114mm)
 KM 31-692 5½" (140mm)
 KM 31-704 7¼" (184mm)
 KM 31-708 8" (203mm) one large finger ring



UTILITY SCISSORS one serrated blade
 KM 31-832 KM 31-830
 6" (152mm) Lister-type 7½" (191mm)
 (not pictured)

With autoclavable plastic finger rings.



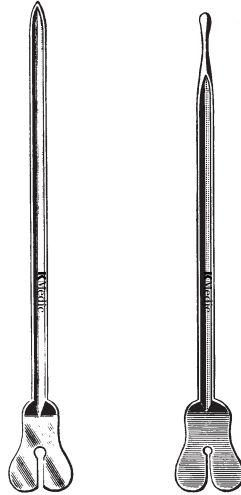
HERCULES SCISSORS
 KM 31-834
 7½" (191mm) heavy duty
 one serrated blade



KMEDIC UTILITY SHEARS
 KM 31-836
 8" (203mm) with wire cutting notch
 one serrated blade



PROBE WITH EYE malleable stainless
 KM 42-608 4½" (114mm)
 KM 42-610 5" (127mm)
 KM 42-612 5½" (140mm)
 KM 42-614 6" (152mm)
 KM 42-616 8" (203mm)
 KM 42-618 10" (254mm)
 KM 42-620 12" (305mm)



GROOVED DIRECTORS
with tongue tie
 KM 42-646 4½" (114mm)
 KM 42-647 5" (127mm)
 KM 42-648 5½" (140mm)
 KM 42-649 6" (152mm)
with probe and tongue tie
 KM 42-654 5" (127mm)
 KM 42-655 5½" (140mm)
 KM 42-656 6" (152mm)



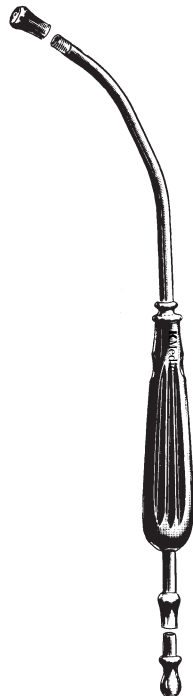
1 french = .33mm

BARON SUCTION TUBE 5½" (140mm)
 KM 42-832 3 french
 KM 42-834 5 french
 KM 42-836 7 french

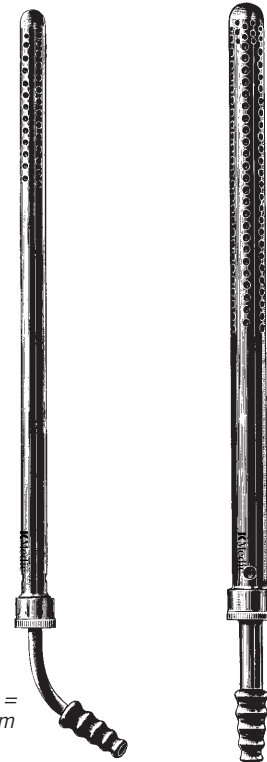


1 french = .33mm

FRAZIER SUCTION TUBE 7" (178mm)
 KM 42-823 6 french
 KM 42-824 7 french
 KM 42-825 8 french
 KM 42-826 10 french
 KM 42-830 12 french



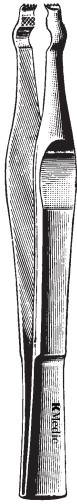
YANKAUER SUCTION TUBE
 KM 58-228 11½" (292mm) chrome
 KM 58-230 front tip only



1 french = .33mm

POOLE SUCTION TUBE 9" (229mm)
 chrome
 KM 42-844 23 french curved
 KM 42-852 30 french straight

SUTURE INSTRUMENTS



WACHENFELDT CLIP APPLYING AND REMOVING FORCEPS
 KM 42-256
 5" (127mm)



MICHEL CLIP APPLYING FORCEPS
 KM 42-254
 5" (127mm)



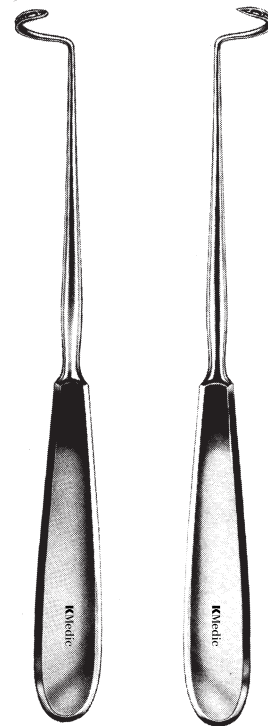
WACHENFELDT CLIP APPLYING AND REMOVING FORCEPS
 KM 42-258
 5" (127mm) cross action



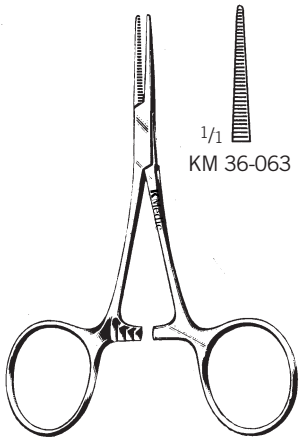
MICHEL CLIP APPLYING AND REMOVING FORCEPS
 KM 42-248
 5" (127mm) double ended



CASTROVIEJO MICRO TYING FORCEPS
 4" (102mm)
 straight, with tying platform
 KM 53-450 KM 53-456
 0.12mm 0.5mm
 1x2 teeth 1x2 teeth



DESCHAMPS LIGATURE CARRIER
 8" (203mm)
 KM 42-558 blunt left
 KM 42-560 blunt right
 KM 42-562 sharp left
 KM 42-564 sharp right



1/1 KM 36-063
1/1 KM 36-067

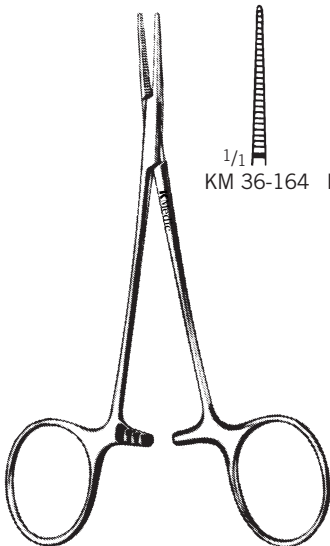
HARTMANN MOSQUITO FORCEPS
KM 36-063 straight
KM 36-067 curved
3 1/2" (89mm)



1/1 KM 36-156
1/1 KM 36-158
1/1 KM 36-160
1/1 KM 36-162

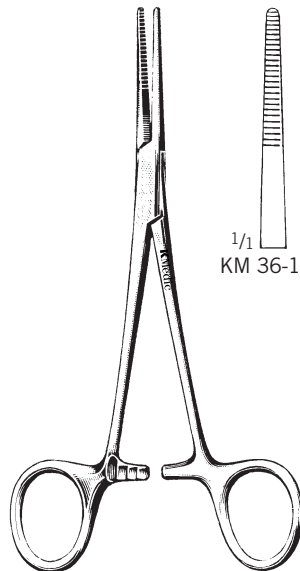
HALSTED MOSQUITO FORCEPS 5" (127mm)
straight
KM 36-156
KM 36-160 delicate
KM 36-076 1x2 teeth
curved
KM 36-158
KM 36-162 delicate
KM 36-078 1x2 teeth

1/1 KM 36-076
1/1 KM 36-078



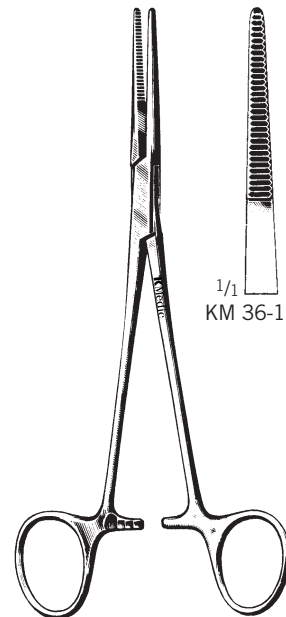
1/1 KM 36-164
1/1 KM 36-165

MICRO MOSQUITO FORCEPS
extremely fine tips
KM 36-164 straight
KM 36-165 curved
5" (127mm)



1/1 KM 36-166
1/1 KM 36-168

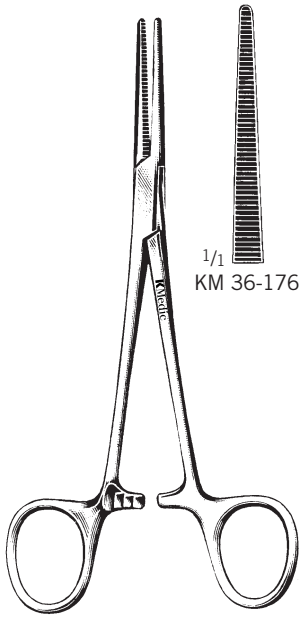
KELLY FORCEPS
KM 36-166 straight
KM 36-168 curved
5 1/2" (140mm)



1/1 KM 36-196
1/1 KM 36-198

RANKIN-KELLY FORCEPS
KM 36-196 straight
KM 36-198 curved
6 1/4" (159mm)

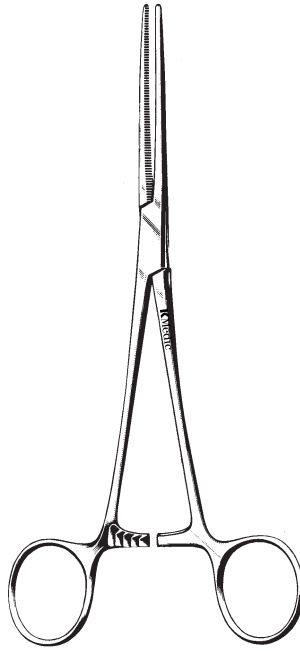
HEMOSTATIC FORCEPS



1/1 KM 36-176 1/1 KM 36-178

CRILE FORCEPS

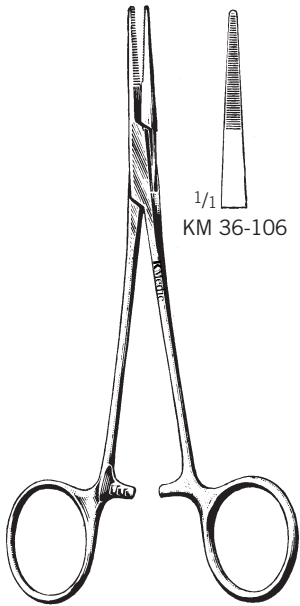
<i>straight</i>	<i>curved</i>
KM 36-176 5½"	KM 36-178 5½" (140mm)
KM 36-180 5½"	KM 36-182 5½" (140mm)
extra delicate	extra delicate
KM 36-186 6¼"	KM 36-188 6¼" (159mm)



1/1 KM 36-306 1/1 KM 36-308

ROCHESTER PEAN FORCEPS

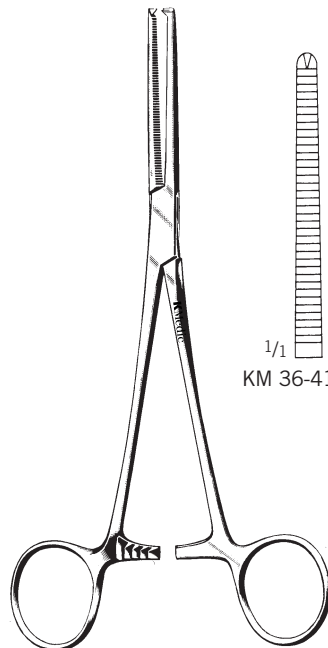
<i>straight</i>	<i>curved</i>
KM 36-306 5½"	KM 36-308 5½" (140mm)
KM 36-316 6¼"	KM 36-318 6¼" (159mm)
KM 36-326 7¼"	KM 36-328 7¼" (184mm)
KM 36-336 8"	KM 36-338 8" (203mm)
KM 36-346 9"	KM 36-348 9" (229mm)
KM 36-356 10"	KM 36-358 10" (254mm)
KM 36-360 12"	KM 36-362 12" (305mm)



1/1 KM 36-106 1/1 KM 36-108

PROVIDENCE HOSPITAL FORCEPS

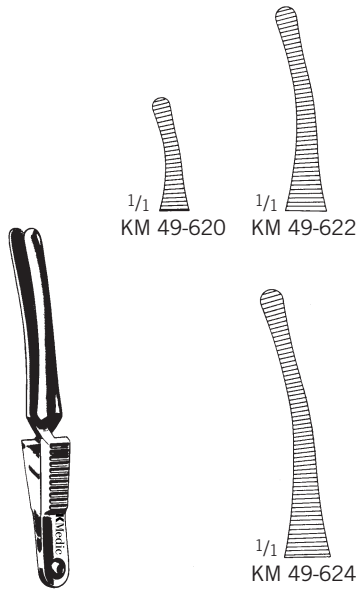
KM 36-106	KM 36-108
5½" (140mm)	5½" (140mm)
straight	curved



1/1 KM 36-416 1/1 KM 36-418 1/1 KM 36-426 1/1 KM 36-428

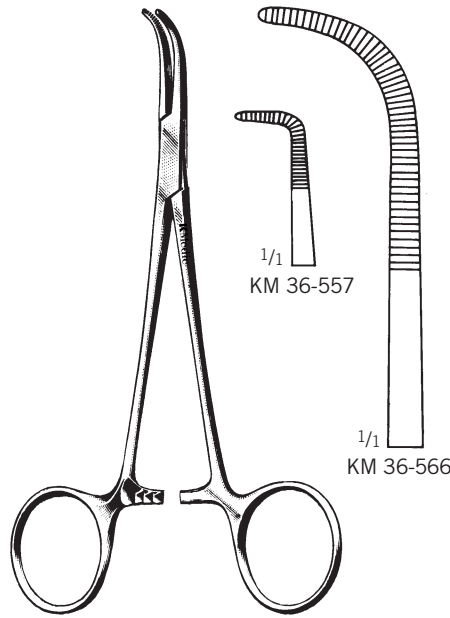
ROCHESTER-OSHSNER FORCEPS 1x2 teeth

<i>straight</i>	<i>curved</i>
KM 36-406 5½"	KM 36-408 5½" (140mm)
KM 36-416 6¼"	KM 36-418 6¼" (159mm)
KM 36-426 7¼"	KM 36-428 7¼" (184mm)
KM 36-436 8"	KM 36-438 8" (203mm)
KM 36-446 9"	KM 36-448 9" (229mm)
KM 36-456 10"	KM 36-458 10" (254mm)



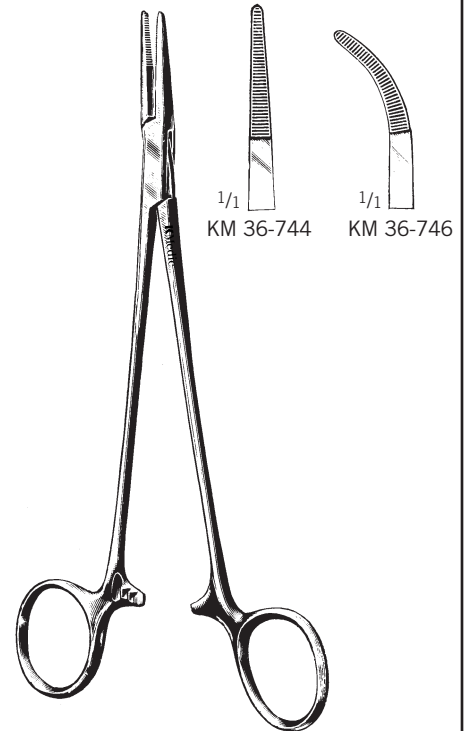
JOHNS HOPKINS BULLDOG CLAMPS

<i>straight</i>		<i>curved</i>	
KM 49-602	1 1/2"	KM 49-618	1 1/2" (38mm)
KM 49-604	2"	KM 49-620	2" (51mm)
KM 49-606	2 1/2"	KM 49-622	2 1/2" (64mm)
KM 49-608	3"	KM 49-624	3" (76mm)
KM 49-610	3 1/2"	KM 49-626	3 1/2" (89mm)



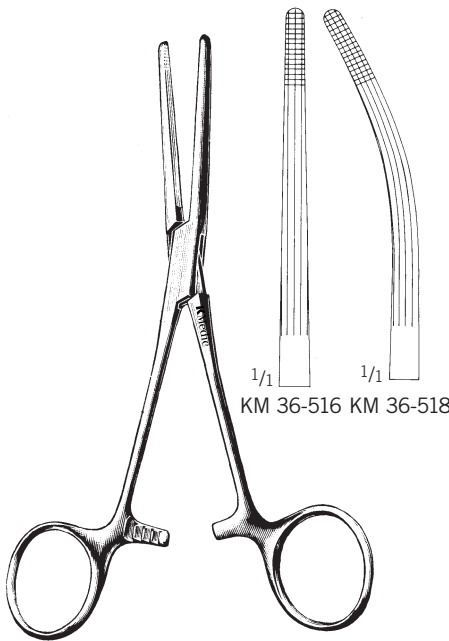
MIXTER FORCEPS fully curved

KM 36-557	5 1/4" (133mm)	delicate
KM 36-562	6 1/4" (159mm)	
KM 36-564	7 1/4" (184mm)	
KM 36-566	9" (229mm)	



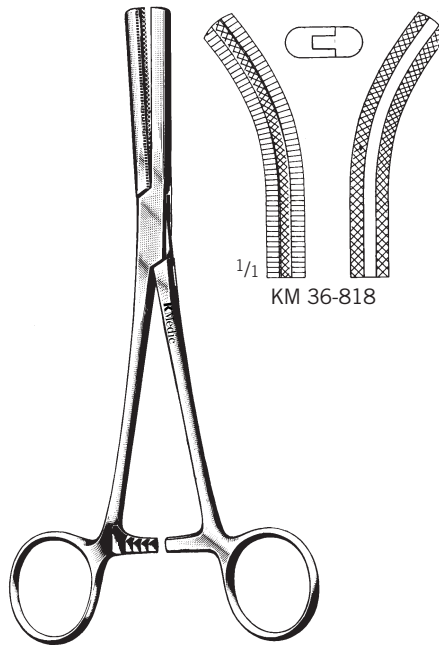
ADSON HEMOSTATIC FORCEPS

KM 36-744	7 1/4" (184mm)	straight
KM 36-746	7 1/4" (184mm)	curved



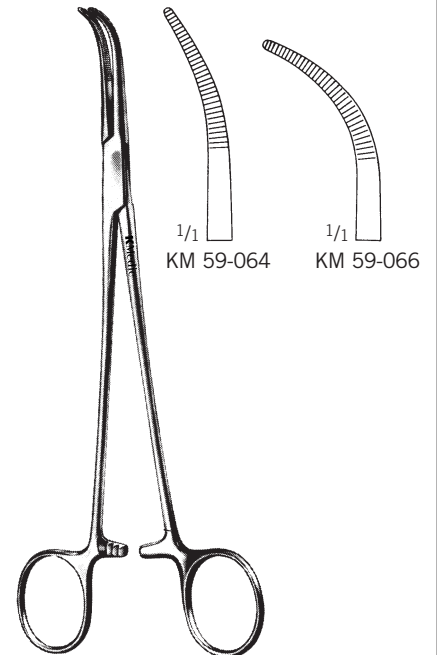
ROCHESTER-CARMALT FORCEPS

<i>straight</i>		<i>curved</i>	
KM 36-516	6 1/4"	KM 36-518	6 1/4" (159mm)
KM 36-536	8"	KM 36-538	8" (203mm)



FERGUSON ANGIOTRIBE FORCEPS

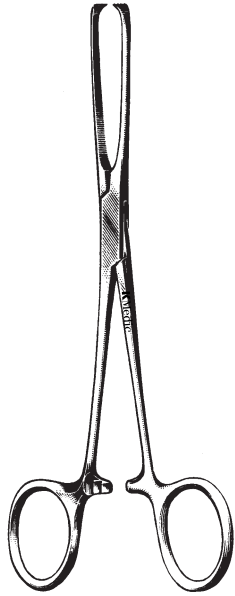
<i>straight</i>		<i>curved</i>	
KM 36-816	6 1/2"	KM 36-818	6 1/2" (165mm)
KM 36-826	7 1/2"	KM 36-828	7 1/2" (191mm)




SCHNIDT FORCEPS

KM 59-064	7 1/2" (191mm)	half curved
KM 59-066	7 1/2" (191mm)	full curved

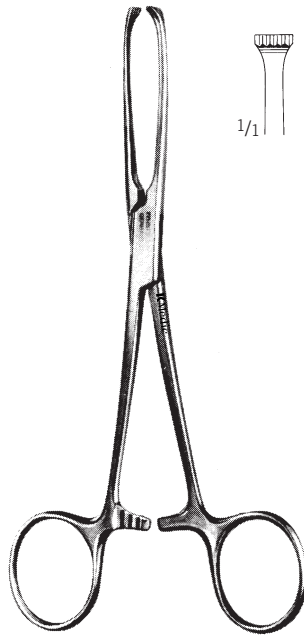
INTESTINAL FORCEPS



1/1 
KM 43-105

ALLIS TISSUE FORCEPS

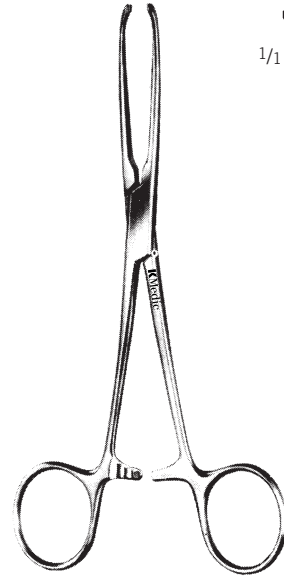
KM 43-105 4 3/4" 4x5 teeth delicate (121mm)
 KM 43-107 5 3/4" 4x5 teeth delicate (146mm)
 KM 43-110 6" 3x4 teeth standard (152mm)
 KM 43-112 6" 4x5 teeth standard (152mm)
 KM 43-116 6" 5x6 teeth standard (152mm)



1/1 

ALLIS TISSUE FORCEPS

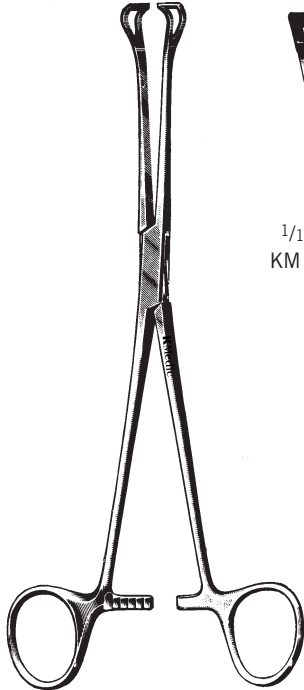
KM 43-124
 7 1/2" (191mm) 5x6 teeth



1/1 

ALLIS-JUDD TISSUE FORCEPS

KM 43-168
 6" (152mm) 3x4 teeth



1/1 
KM 43-310

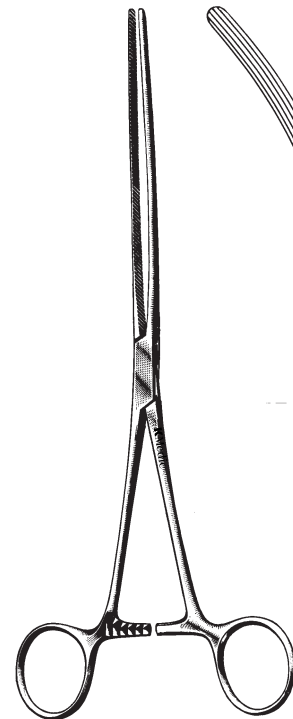
BABCOCK FORCEPS


KM 43-310 6 1/4" (159mm)
 KM 43-324 8" (203mm)
 KM 43-326 9 1/2" (241mm)



LAHEY VULSELLUM FORCEPS

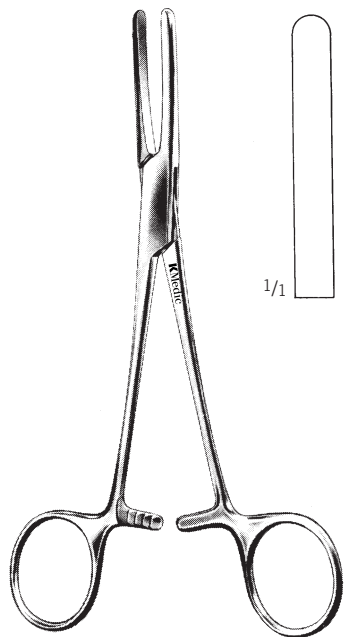
KM 36-696
 6 1/4" (159mm) 3x3 prongs



1/2 
KM 43-524

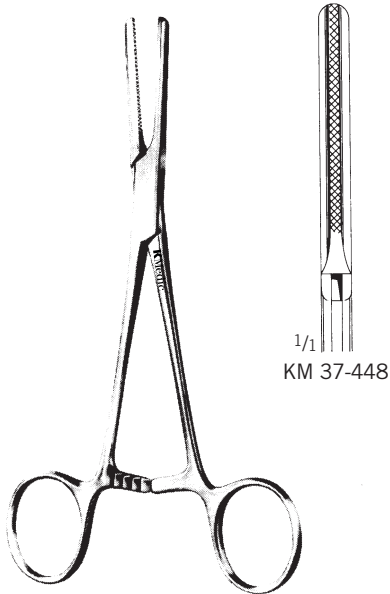
DOYEN CLAMP longitudinal serrations

KM 43-520 9" (229mm) straight
 KM 43-524 9" (229mm) curved



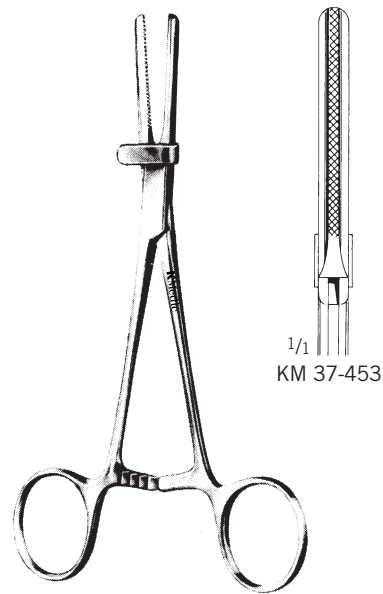
PRESBYTERIAN TUBE OCCLUDING FORCEPS

KM 37-444
7" (178mm) smooth



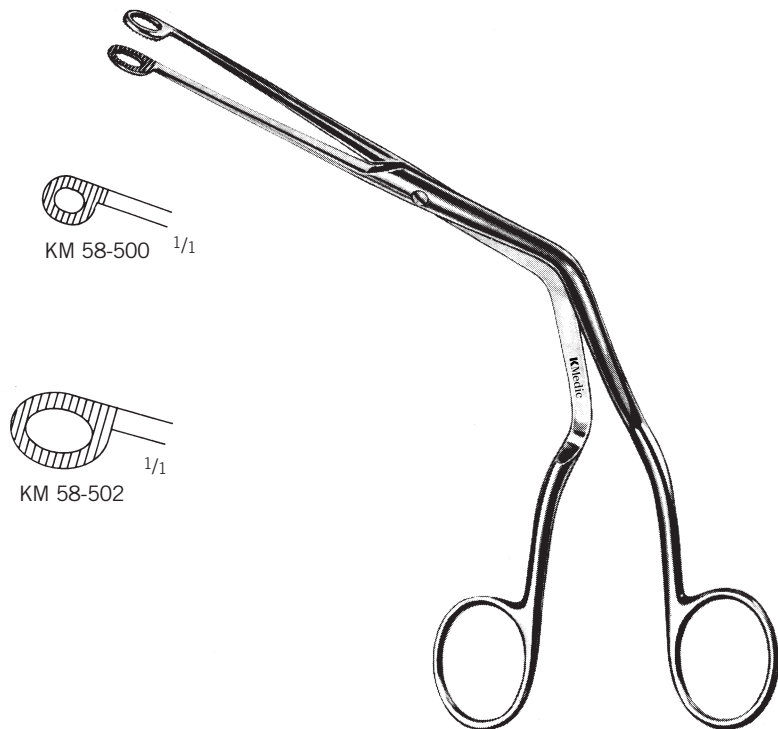
VORSE TUBE OCCLUDING FORCEPS

serrated
KM 37-448 5½" (140mm)
KM 37-450 7¼" (184mm)
KM 37-452 8" (203mm)



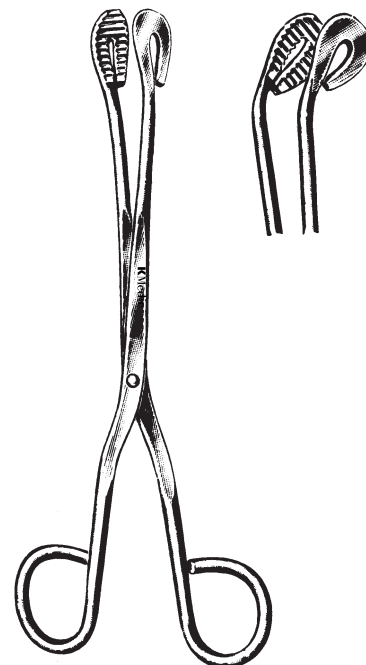
VORSE TUBE OCCLUDING FORCEPS

serrated, with guard
KM 37-453 5½" (140mm)
KM 37-454 7¼" (184mm)
KM 37-455 8" (203mm)



MAGILL ENDOTRACHEAL CATHETER INTRODUCING FORCEPS

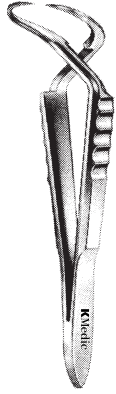
KM 58-500 KM 58-502
7" (178mm) child 9" (229mm) adult



UTILITY AND STERILIZER FORCEPS

straight curved
KM 39-644 8" KM 39-648 8" (203mm)
KM 39-646 11" KM 39-650 11" (279mm)

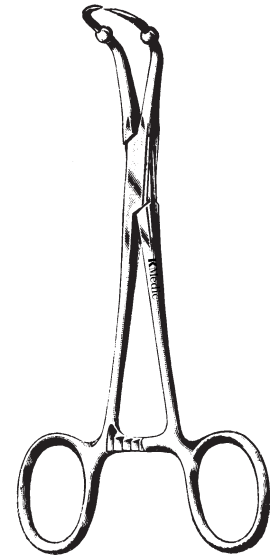
TOWEL AND SPONGE FORCEPS



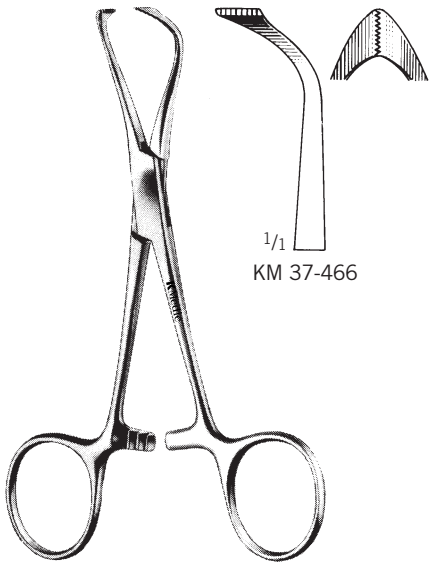
JONES TOWEL FORCEPS
 KM 37-470 2½" (64mm)
 KM 37-478 3¼" (83mm)



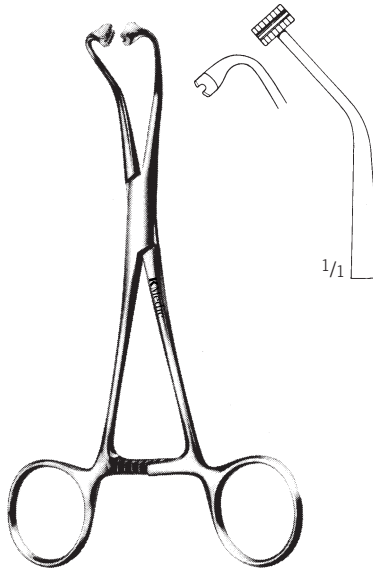
BACKHAUS TOWEL FORCEPS
 KM 37-458 3½" (89mm)
 KM 37-462 5¼" (133mm)



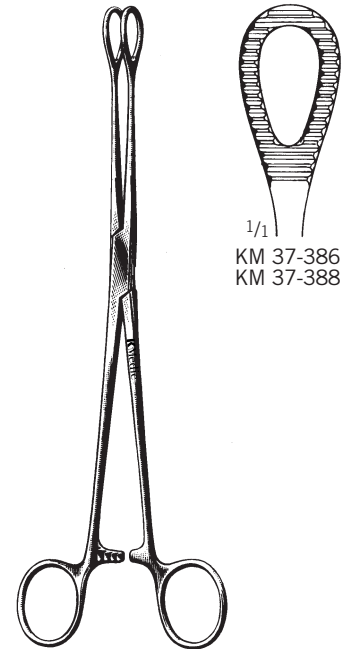
BACKHAUS-ROEDER TOWEL CLAMP
 KM 37-464 5¼" (133mm) with ball stops



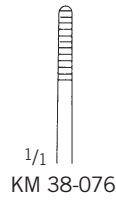
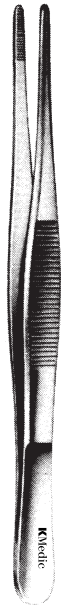
LORNA (EDNA) TOWEL CLAMP
 KM 37-466 4" (102mm) non-perforating
 KM 37-468 5½" (133mm) non-perforating



PEERS TOWEL CLAMP
 KM 37-456 5¾" (146mm) non-perforating

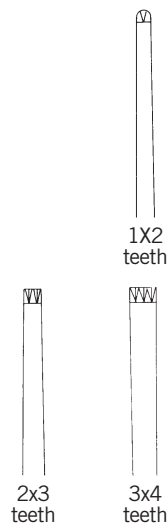


FOERSTER SPONGE FORCEPS
straight, serrated KM 37-366 7"
curved, serrated KM 37-368 7" (178mm)
straight, smooth KM 37-370 7"
curved, smooth KM 37-372 7" (178mm)
 KM 37-386 9½"
 KM 37-388 9½" (241mm)
 KM 37-390 9½"
 KM 37-392 9½" (241mm)



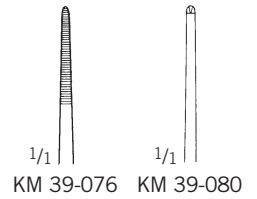
DRESSING FORCEPS serrated

- KM 38-076 4½" (114mm)
- KM 38-080 5" (127mm)
- KM 38-084 5½" (140mm)
- KM 38-088 6" (152mm)
- KM 38-094 8" (203mm)
- KM 38-100 10" (254mm)
- KM 38-106 12" (305mm)



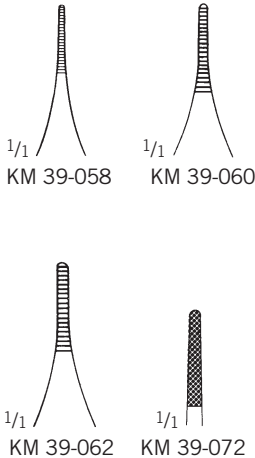
TISSUE FORCEPS

- | | |
|-----------------------|-----------------------|
| 1x2 teeth | 2x3 teeth |
| KM 38-264 4½" (114mm) | KM 38-292 5" (127mm) |
| KM 38-268 5" (127mm) | KM 38-296 5½" (140mm) |
| KM 38-272 5½" (140mm) | |
| KM 38-276 6" (152mm) | 3x4 teeth |
| KM 38-280 8" (203mm) | KM 38-304 5½" (140mm) |
| KM 38-286 10" (254mm) | |
| KM 38-290 12" (305mm) | |



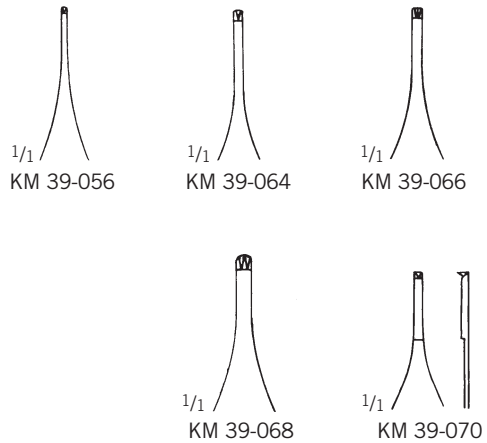
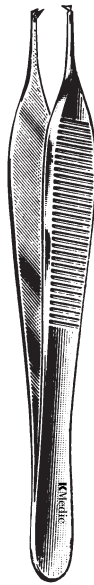
SEMKEN FORCEPS

- | |
|----------------------|
| serrated |
| KM 39-076 5" (127mm) |
| KM 39-086 6" (152mm) |
| 1x2 teeth |
| KM 39-080 5" (127mm) |
| KM 39-088 6" (152mm) |



ADSON DRESSING FORCEPS

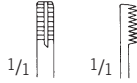
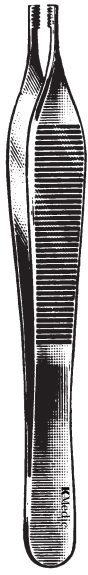
- 4¾" (121mm) serrated
- KM 39-058 micro tip
- KM 39-060 delicate tip
- KM 39-062 standard tip
- KM 39-072 carbide tip



ADSON TISSUE FORCEPS 4¾" (121mm)

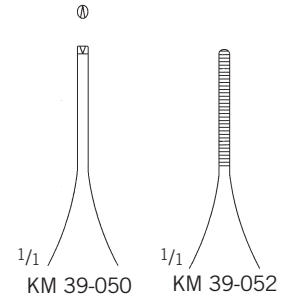
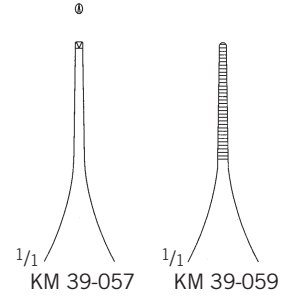
- | | |
|---|-----------|
| 1x2 teeth | 2x3 teeth |
| KM 39-056 micro tip | KM 39-068 |
| KM 39-063 serrated tip | |
| KM 39-064 delicate tip | |
| KM 39-066 standard tip | |
| KM 39-070 delicate, with tying platform | |

DRESSING AND TISSUE FORCEPS



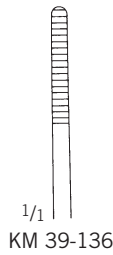
ADSON BROWN TISSUE FORCEPS

KM 39-092
4 3/4" (121mm) 9x9 teeth
side grasping



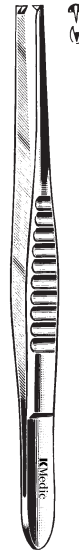
ADSON DRESSING AND TISSUE FORCEPS 6" (152mm)

KM 39-057 micro 1x2 teeth
KM 39-059 micro serrated
KM 39-050 1x2 teeth
KM 39-052 serrated



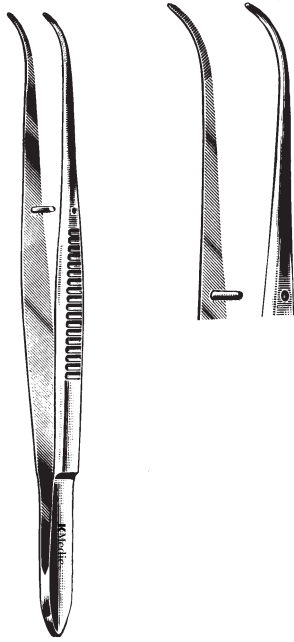
DRESSING FORCEPS

serrated with fluted handles
KM 39-128 4 1/2" (114mm)
KM 39-132 5" (127mm)
KM 39-136 5 1/2" (140mm)
KM 39-140 6" (152mm)

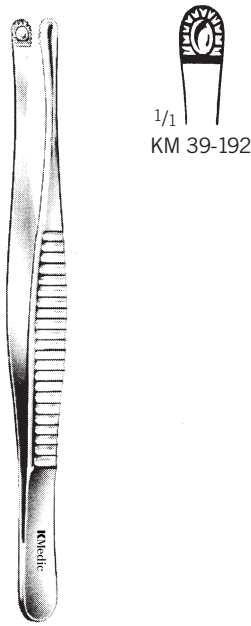


TISSUE FORCEPS

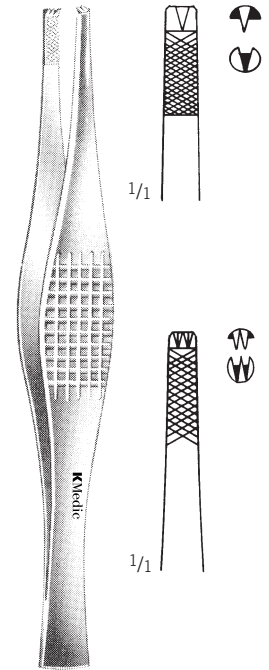
1x2 teeth with fluted handles
KM 39-310 4 1/2" (114mm)
KM 39-314 5" (127mm)
KM 39-318 5 1/2" (140mm)
KM 39-322 6" (152mm)



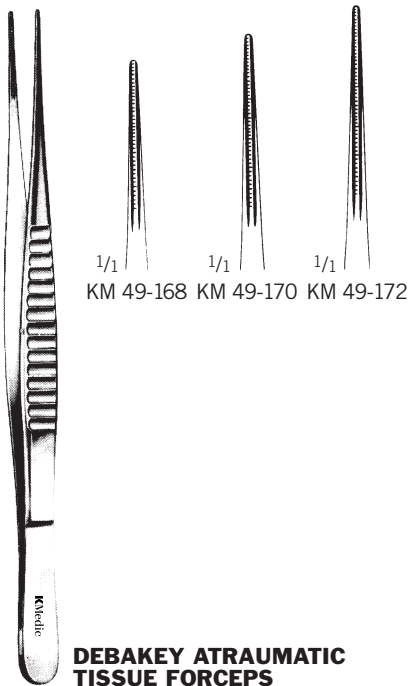
DRESSING FORCEPS
 KM 38-082
 5" (127mm) curved
 fine point serrated



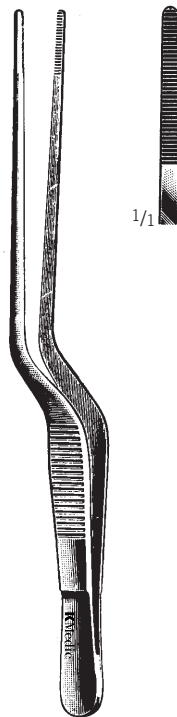
RUSSIAN TISSUE FORCEPS
 KM 39-192 6" (152mm)
 KM 39-196 8" (203mm)
 KM 39-198 10" (254mm)



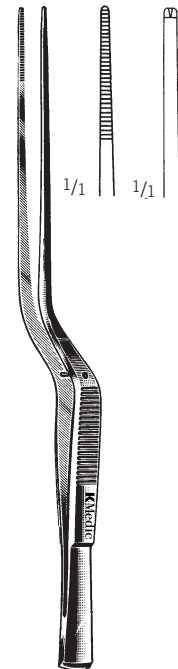
FERRIS-SMITH TISSUE FORCEPS
 7" (178mm) with platform
 KM 38-322 1x2 teeth
 KM 38-324 2x3 teeth



DEBAKEY ATRAUMATIC TISSUE FORCEPS
 KM 49-168 6 1/4" (159mm) 1.5mm
 KM 49-170 8" (203mm) 1.5mm
 KM 49-172 9 1/4" (235mm) 1.5mm
 KM 49-180 6 1/4" (159mm) 2.0mm
 KM 49-182 8" (203mm) 2.0mm
 KM 49-184 9 1/4" (235mm) 2.0mm
 KM 49-210 6 1/4" (159mm) 3.5mm
 KM 49-212 8" (203mm) 3.5mm
 KM 49-216 9 1/4" (235mm) 3.5mm

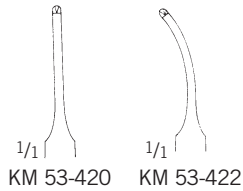
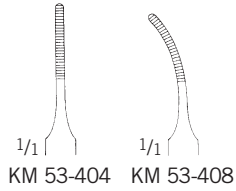
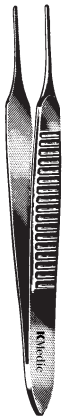


ADSON BAYONET FORCEPS
 KM 39-074
 8 1/4" (210mm) straight with serrated tips



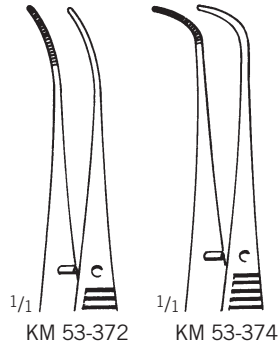
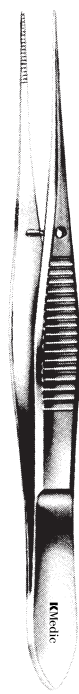
CUSHING BAYONET TISSUE FORCEPS 7 1/4" (184mm)
 KM 38-186 1x2 teeth
 KM 38-184 serrated

DRESSING AND TISSUE FORCEPS



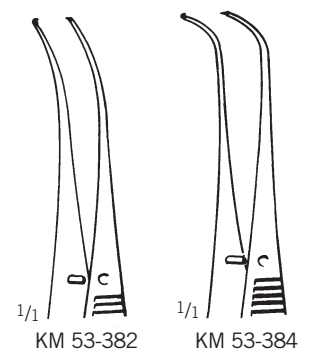
GRAEFE EYE DRESSING FORCEPS

2½" (64mm)
 KM 53-404 straight serrated
 KM 53-408 curved serrated
 KM 53-420 straight 1x2 teeth
 KM 53-422 curved 1x2 teeth



EYE DRESSING FORCEPS 4" (102mm)

serrated
 KM 53-368 straight
 KM 53-372 half curved
 KM 53-374 full curved



IRIS FORCEPS 4" (102mm)

1x2 teeth
 KM 53-380 straight
 KM 53-382 half curved
 KM 53-384 full curved



KM 39-450
 #3
 4¾" (121mm)
 narrow fine

KM 39-451
 #3C
 4¾" (111mm)
 narrow fine

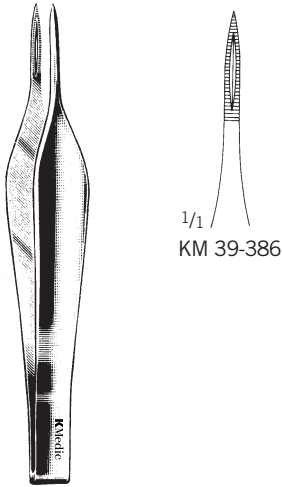
KM 39-452
 #4
 4¾" (111mm)
 fine

KM 39-453
 #5
 4¾" (111mm)
 extra fine

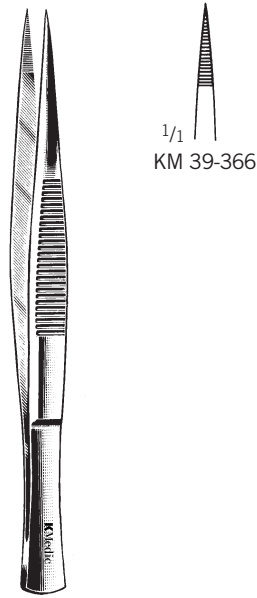
KM 39-455
 #6
 4½" (114mm)
 angled pickup

KM 39-456
 #7
 4½" (114mm)
 curved fine

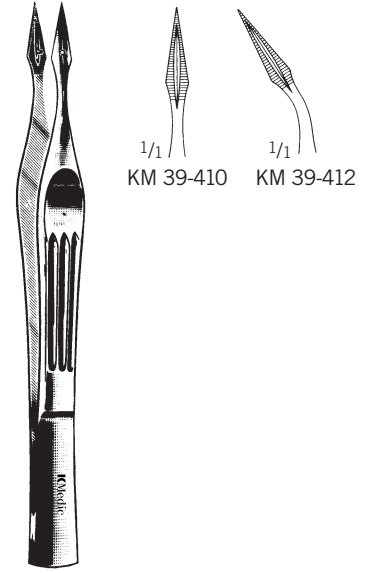
SWISS JEWELERS STYLE FORCEPS



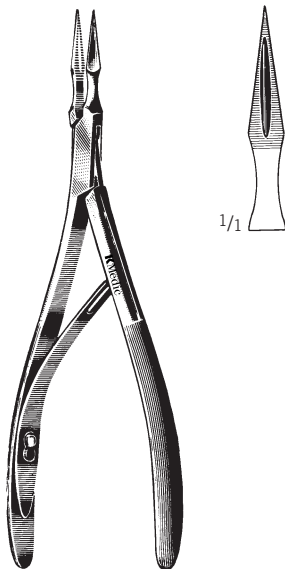
FEILCHENFELD FORCEPS serrated
 KM 39-386 3¼" (83mm)
 KM 39-390 4½" (114mm)



PLAIN SPLINTER FORCEPS serrated
 KM 39-364 3½" (89mm)
 KM 39-366 4½" (114mm)



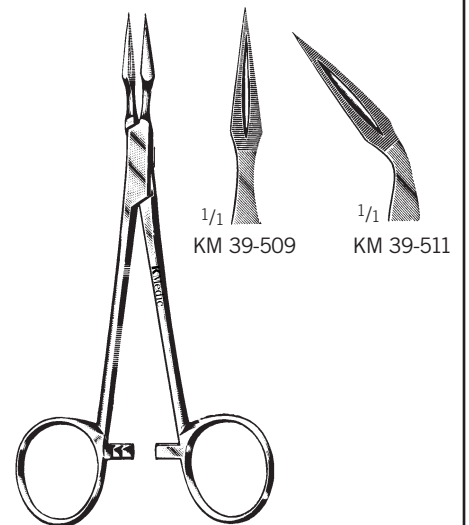
CARMALT SPLINTER FORCEPS serrated
 KM 39-410 4¼" (108mm) straight
 KM 39-412 4¼" (108mm) curved



VIRTUS SPLINTER FORCEPS
 KM 39-478 6" (152mm) straight
 serrated



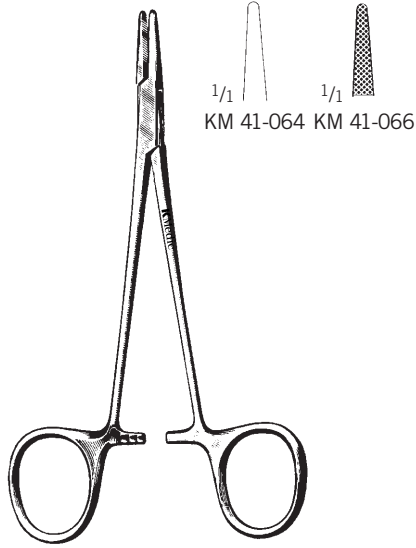
VANGUARD SPLINTER LIBERATOR
 KM 39-534 5" (127mm), trocar in
 reversible handle
 KM 39-536 trocar point only



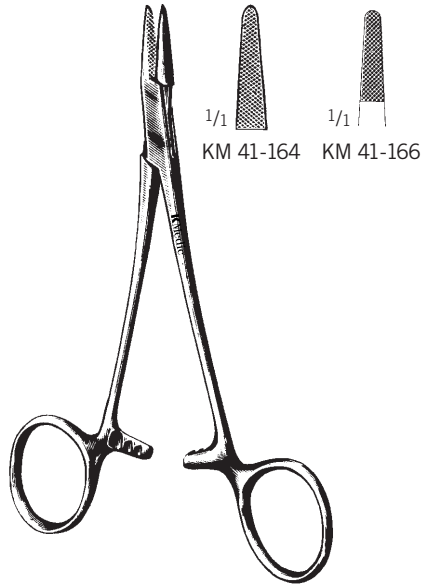
WILLIAMS SPLINTER FORCEPS serrated
 KM 39-509 5½" (140mm) straight
 KM 39-511 5½" (133mm) 45 degree angled
 KM 39-513 5½" (140mm) 90 degree angled

NEEDLE HOLDERS

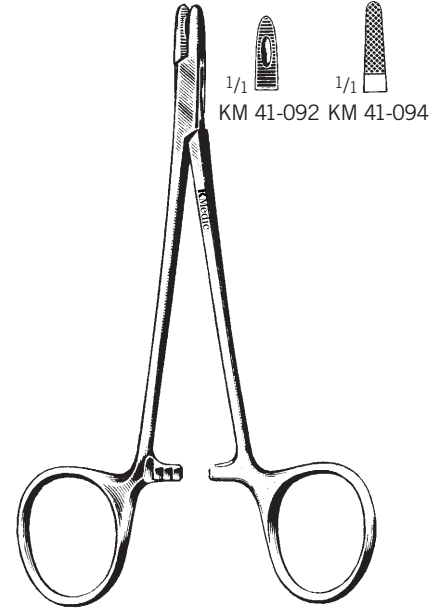
Our carbide needle holders have TC inserts firmly bonded to the inside of both jaws. We guarantee them for three years. The surface profiles of the inserts have been precision milled to provide the surgeon with a firm, non-slip grip on the needle. Because the carbide is harder than the steel of the needles, carbide needle holders last much longer than ordinary ones. The finger rings are gold plated for easy identification.



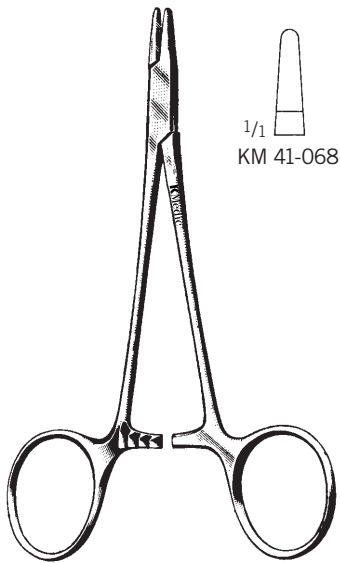
HALSEY NEEDLE HOLDER
 KM 41-064 5" (127mm) smooth
 KM 41-065 5" (127mm) smooth carbide
 KM 41-066 5 1/4" (133mm) serrated
 KM 41-067 5" (127mm) serrated carbide



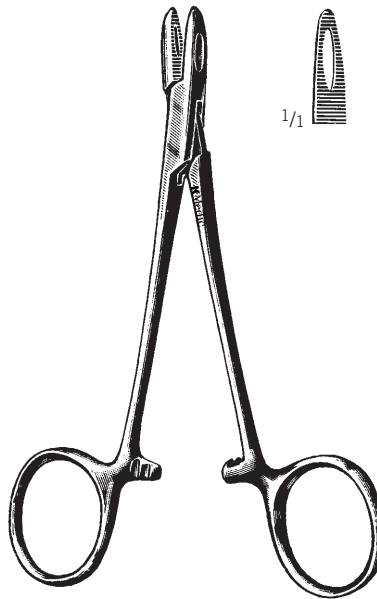
HEGAR BAUMGARTNER NEEDLE HOLDER
 KM 41-162 5" (127mm) serrated
 KM 41-164 5 3/4" (146mm) serrated
 KM 41-166 5" (127mm) serrated carbide



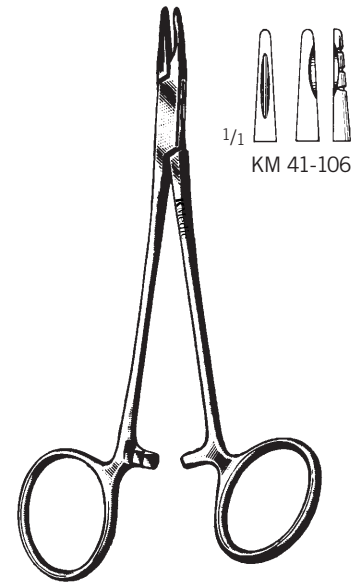
DERF NEEDLE HOLDER
 KM 41-092 4 3/4" (121mm) horizontal serrations
 KM 41-094 4 3/4" (121mm) carbide cross serrations



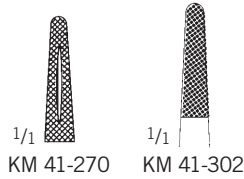
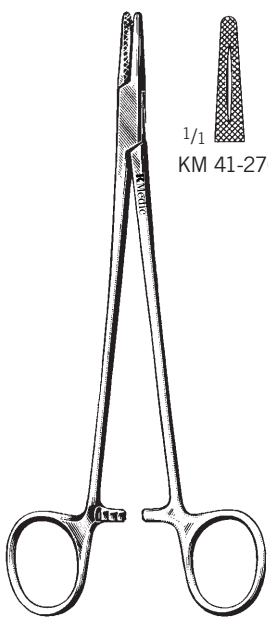
WEBSTER NEEDLE HOLDER smooth
 KM 41-068 5" (127mm)
 KM 41-070 5" (127mm) carbide



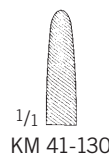
COLLIER NEEDLE HOLDER
 KM 41-104 5" (127mm) fenestrated jaws serrated



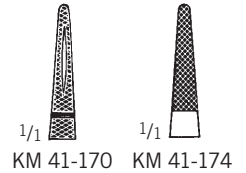
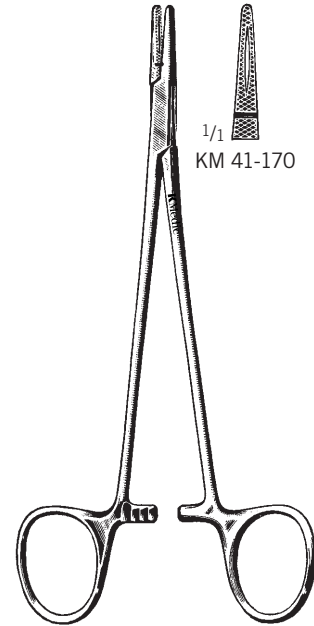
NIEVERT NEEDLE HOLDER
 smooth, one offset finger ring
 KM 41-106 5" (127mm)
 KM 41-108 5" (127mm) carbide



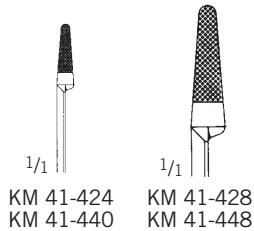
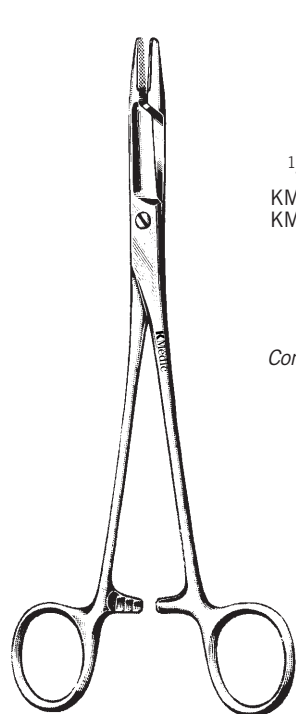
MAYO HEGAR NEEDLE HOLDER serrated carbide
 KM 41-270 5 1/4" (133mm)
 KM 41-272 6" (152mm)
 KM 41-278 7" (178mm)
 KM 41-284 8" (203mm)
 KM 41-286 10 1/2" (267mm)
 KM 41-300 5" (127mm)
 KM 41-302 6" (152mm)
 KM 41-308 7" (178mm)
 KM 41-314 8" (203mm)
 KM 41-316 10 1/2" (267mm)



BROWN NEEDLE HOLDER fine serrations
 KM 41-130 5 1/4" (133mm) convex jaws
 KM 41-132 7 1/4" (184mm) convex jaws



CRILE-WOOD (DEBAKEY) NEEDLE HOLDER serrated carbide
 KM 41-170 6" (152mm)
 KM 41-171 7" (178mm)
 KM 41-172 8" (203mm)
 KM 41-173 9" (229mm)
 KM 41-174 6" (152mm)
 KM 41-175 7" (178mm)
 KM 41-176 8" (203mm)
 KM 41-178 9" (229mm)



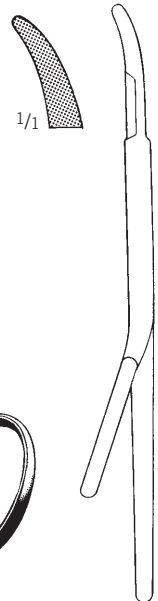
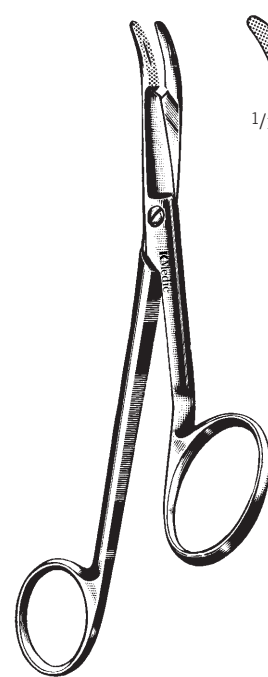
Combination needle holder and suture scissors.

OLSEN-HEGAR NEEDLE HOLDER

- KM 41-424 4 3/4" (121mm) delicate serrated*
- KM 41-426 4 3/4" (121mm) delicate smooth*
- KM 41-428 5 1/2" (140mm) serrated
- KM 41-432 6 1/2" (165mm) serrated
- KM 41-434 7 1/2" (191mm) serrated

- carbide
- KM 41-440 4 3/4" (121mm) delicate serrated*
 - KM 41-446 4 3/4" (121mm) delicate smooth*
 - KM 41-448 5 1/2" (140mm) serrated
 - KM 41-452 6 1/2" (165mm) serrated
 - KM 41-454 7 1/2" (191mm) serrated

*For suture sizes 5-0, 6-0, 7-0 only.



Combination needle holder and suture scissors.

GILLIES NEEDLE HOLDER

- KM 41-333 6 1/2" (165mm) curved one fenestrated jaw one angled finger ring

NEEDLE HOLDERS



1/1
KM 42-148

SAROT NEEDLE HOLDER serrated carbide
KM 42-148 7½" KM 42-152 7½" (191mm)
KM 42-150 10½" KM 42-154 10½" (267mm)



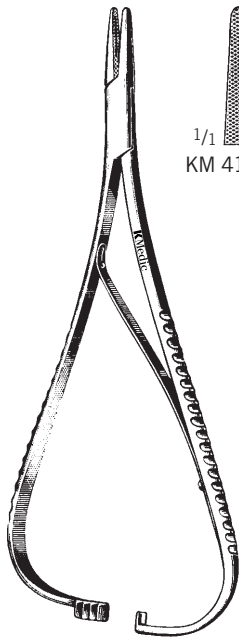
1/1
KM 41-257

RYDER NEEDLE HOLDER serrated carbide
KM 41-257 5" (127mm) KM 41-266 8" (203mm)
KM 41-264 6" (152mm) KM 41-267 9" (229mm)
KM 41-265 7" (178mm) KM 41-268 10¼" (260mm)



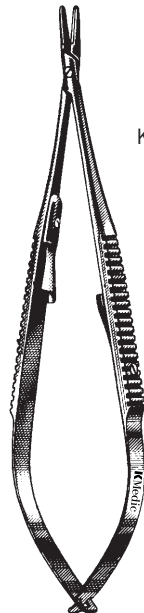
1/1
KM 41-240

RYDER MICRO NEEDLE HOLDER serrated carbide
KM 41-240 5" (127mm) KM 41-246 8" (203mm)
KM 41-242 6" (152mm) KM 41-248 9" (229mm)
KM 41-244 7" (178mm)



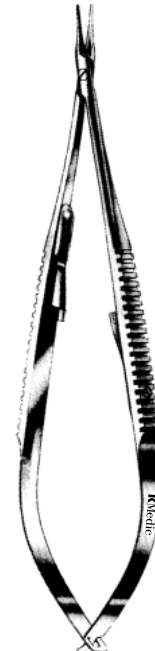
1/1
KM 41-198

MATHIEU NEEDLE HOLDER serrated carbide
KM 41-198 5½" (140mm) KM 41-200 5½" (140mm) carbide



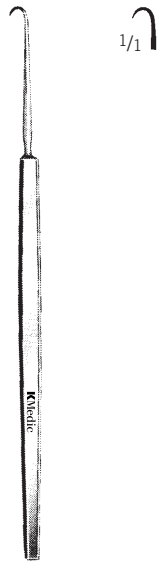
1/1 1/1
KM 42-186 KM 42-188

CASTROVIEJO MICRO NEEDLE HOLDER 5½" (140mm) smooth, with lock carbide
KM 42-186 straight KM 42-190 straight
KM 42-188 curved KM 42-192 curved

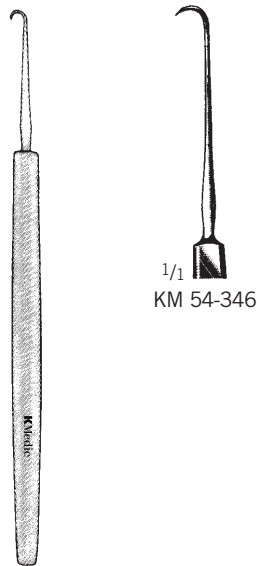


1/1 1/1
KM 42-196 KM 42-198

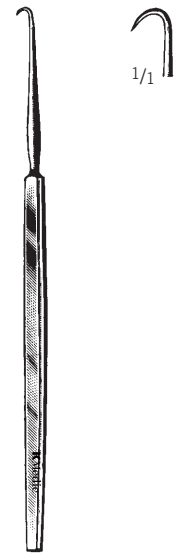
CASTROVIEJO MICRO NEEDLE HOLDER 5½" (140mm) extra delicate, smooth, with lock
KM 42-196 straight
KM 42-198 curved



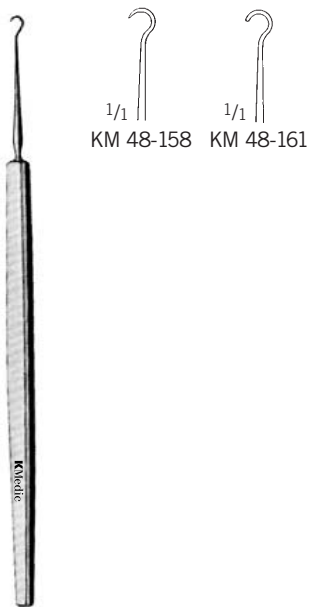
KMEDIC SKIN HOOK
 KM 52-055
 4 3/4" (121mm) one sharp prong
 2mm diameter



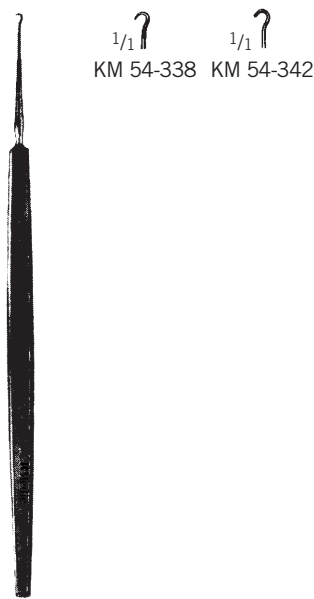
WIENER SKIN HOOK 5" (127mm)
 KM 54-346 KM 54-348
 one sharp prong one blunt prong
 3.5mm diameter 3.5mm diameter



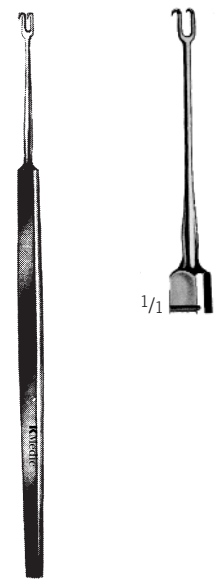
COTTLE SKIN HOOK
 KM 52-050
 5 1/2" (140mm) one sharp prong
 large deep curve
 4mm diameter



FRAZIER HOOK 5" (127mm)
 KM 48-158 KM 48-161
 one sharp prong one blunt prong
 2.5mm diameter 2.5mm diameter






TYRELL HOOK 5" (127mm)
 KM 54-338 KM 54-342
 one sharp prong one blunt prong
 1.5mm diameter 1.5mm diameter



GUTHRIE HOOK
 KM 54-350
 5" (127mm) 2 sharp prongs
 2.5mm wide




SKIN HOOKS AND FINGER RETRACTORS

1/1
KM 58-077




1/1
KM 58-083

GILLIES HOOK 7" (178mm)
KM 58-077 2mm diameter
KM 58-083 3mm diameter

1/1




FREER SKIN HOOK 6" (152mm)
KM 52-040 2 sharp prongs 2mm wide
KM 52-042 2 blunt prongs 2mm wide

1/1
KM 52-060

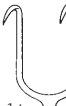
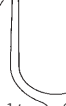
1/1
KM 52-064

KLEINERT-KUTZ HOOK 6" (152mm)
KM 52-060 3mm diameter
KM 52-064 5mm diameter
KM 52-068 7mm diameter

1/1
KM 58-091




1/1
KM 58-092

1/1
KM 58-093


1/1
KM 58-094

JOSEPH HOOK 6 1/4" (159mm) sharp
KM 58-088 1 prong
KM 58-091 2 prongs 2mm wide
KM 58-092 2 prongs 5mm wide
KM 58-093 2 prongs 7mm wide
KM 58-094 2 prongs 10mm wide




1/1
KM 52-082

1/1
KM 52-086



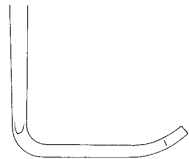
1/1
KM 52-087

LAHEY RETRACTOR 4 3/4" (121mm)
KM 52-082 1 sharp prong
KM 52-086 2 sharp prongs
KM 52-087 3 sharp prongs

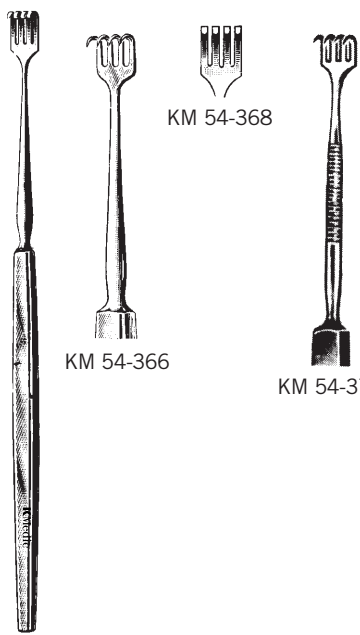




1/1
KM 52-088

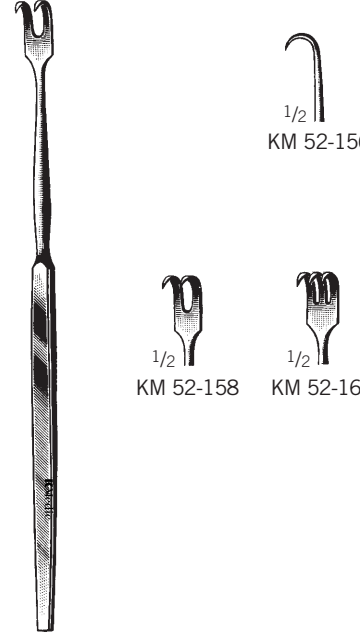
1/1
KM 52-090



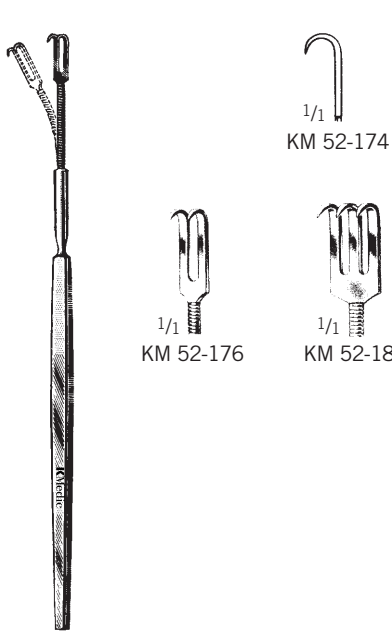
SENN RETRACTOR 3 prongs
KM 52-088 6 1/4" (159mm) sharp
KM 52-090 6 1/4" (159mm) blunt



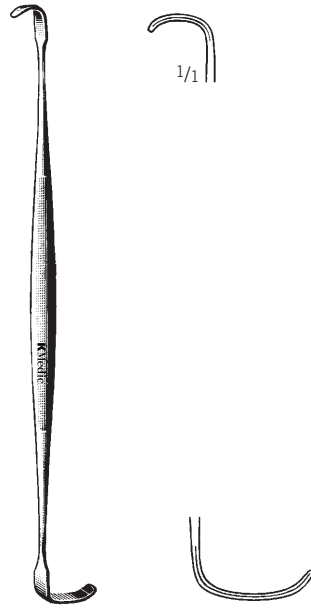
BLAIR (ROLLET) RETRACTOR
 5½" (140mm)
 KM 54-366 4 sharp prongs, rigid
 KM 54-368 4 blunt prongs, rigid
 KM 54-372 4 sharp prongs, flexible




RIGID RAKE RETRACTOR
 6½" (165mm)
 KM 52-156 1 sharp prong
 KM 52-158 2 sharp prongs
 KM 52-162 3 sharp prongs



FLEXIBLE RAKE RETRACTOR
 6¼" (159mm)
 KM 52-174 1 sharp prong
 KM 52-176 2 sharp prongs
 KM 52-182 3 sharp prongs




RAGNELL RETRACTOR
 KM 52-094
 5¾" (146mm) double ended
 4mm width x 8mm depth blade
 and 6mm width x 15mm depth blade



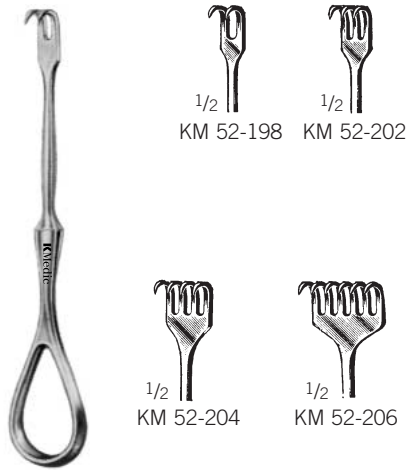
LINDE-RAGNELL RETRACTOR
 KM 69-982
 5¼" (133mm) double ended with serrations
 4mm width x 8mm depth blade
 and 6mm width x 15mm depth blade

Fine cross serrations help prevent slippage.



DAVIS RETRACTOR
 KM 52-076
 6" (152mm) double ended
 6mm width x 17mm depth blade
 and 9mm width x 20mm depth blade

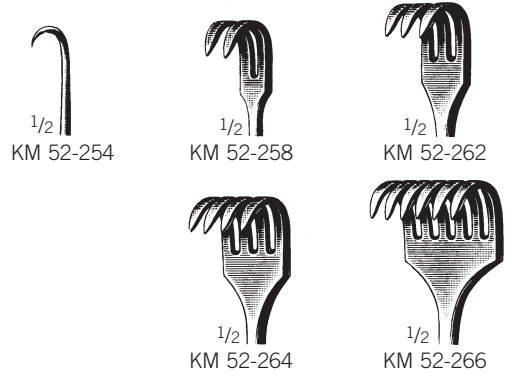
RETRACTORS



VOLKMAN RETRACTOR 4 1/2" (114mm)
 KM 52-198 2 sharp prongs
 KM 52-202 3 sharp prongs
 KM 52-204 4 sharp prongs
 KM 52-206 6 sharp prongs
 KM 52-208 2 blunt prongs
 KM 52-212 3 blunt prongs
 KM 52-214 4 blunt prongs
 KM 52-216 6 blunt prongs



VOLKMAN RETRACTOR 8 1/2" (216mm) with ring handle

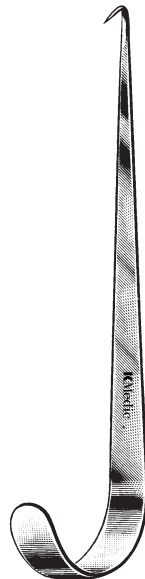


sharp
 KM 52-254 1 prong 10mm depth
 KM 52-258 2 prongs 8mm width X 10mm depth
 KM 52-262 3 prongs 13mm width X 10mm depth
 KM 52-264 4 prongs 18mm width X 10mm depth
 KM 52-266 6 prongs 28mm width X 10mm depth

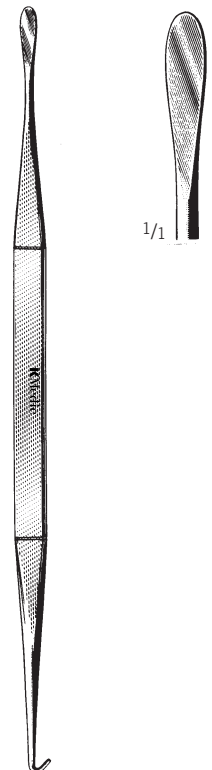
blunt
 KM 52-268 2 prongs 8mm width X 10mm depth
 KM 52-272 3 prongs 13mm width X 10mm depth
 KM 52-274 4 prongs 18mm width X 10mm depth
 KM 52-276 6 prongs 28mm width X 10mm depth



MATHIEU RETRACTOR 6 1/4" (159mm)
 KM 52-092 3 sharp prongs
 KM 52-093 3 blunt prongs
 KM 52-096 1/1 sharp prong



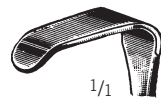
JACKSON TRACHEAL HOOK
 KM 52-096
 5 3/4" (146mm) sharp



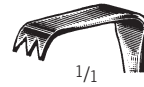
SMITHWICK HOOK AND DISSECTOR
 KM 49-320
 12" (305mm) double ended



CRILE RETRACTOR
KM 51-468
4³/₈" (111mm) double ended



1/1
KM 52-116
#1



1/1
KM 52-118
#2



1/1
KM 52-122
#3



1/1
KM 52-124
#4



1/1
KM 52-128
#5

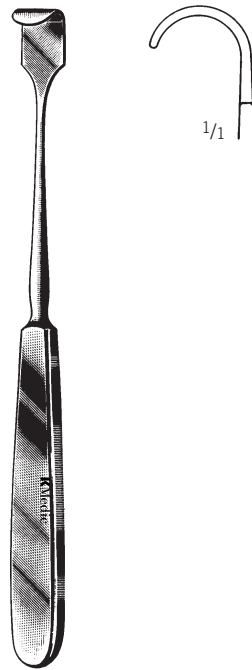


1/1
KM 52-130
#6

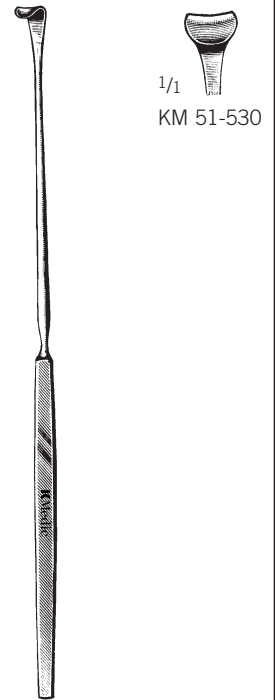
MEYERDING FINGER RETRACTOR 7" (178mm)



LAHEY RETRACTOR
KM 51-528
7³/₄" (195mm)



LITTLE RETRACTOR
KM 51-520
7³/₄" (195mm)

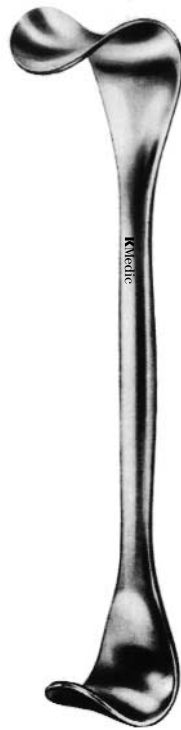


LOVE NERVE RETRACTOR 8¹/₂" (216mm)
KM 51-530 7mm blade straight
KM 51-532 7mm blade angled 45 degrees
KM 51-534 7mm blade angled 90 degrees

RETRACTORS



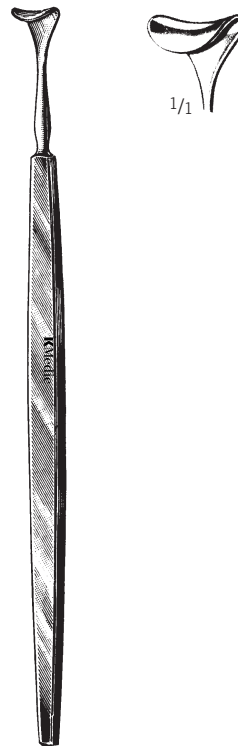
GREEN RETRACTOR
 KM 51-524
 8½" (216mm) fenestrated handle



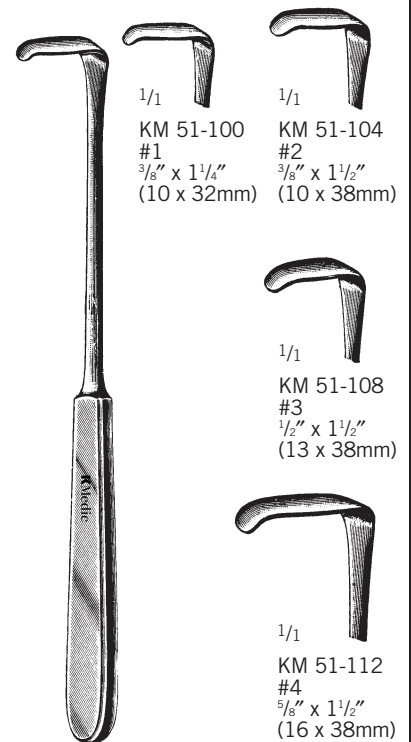
GOELET RETRACTOR
 KM 51-376
 7½" (191mm) double ended



CUSHING VEIN RETRACTOR
 KM 51-521
 9" (229mm) fenestrated handle



CUSHING VEIN RETRACTOR
 KM 51-523
 8" (203mm) 10mm blade



LANGENBECK RETRACTOR 8" (203mm)

1/1
 KM 51-100
 #1
 3/8" x 1¼"
 (10 x 32mm)

1/1
 KM 51-104
 #2
 3/8" x 1½"
 (10 x 38mm)

1/1
 KM 51-108
 #3
 1/2" x 1½"
 (13 x 38mm)

1/1
 KM 51-112
 #4
 5/8" x 1½"
 (16 x 38mm)



1/1
KM 51-202

RICHARDSON RETRACTOR 9 1/2" (241mm)
 KM 51-200 3/4" wide x 1" long blade
 (19mm wide x 25mm long blade)
 KM 51-202 1" wide x 1 1/4" long blade
 (25mm wide x 32mm long blade)
 KM 51-204 1 1/2" wide x 1 1/2" long blade
 (38mm wide x 38mm long blade)

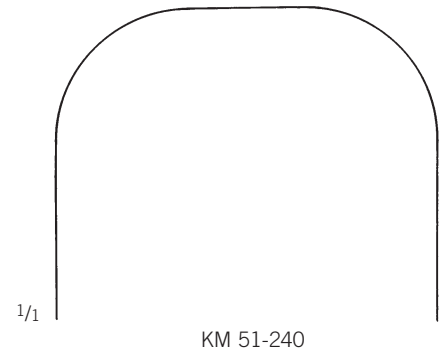
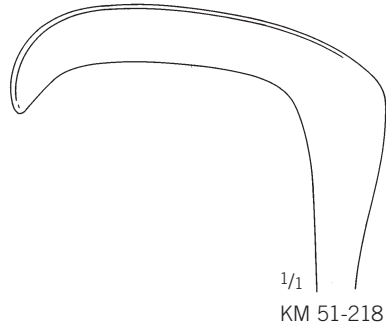


RICHARDSON RETRACTOR
 KM 51-206
 9 1/2" (241mm)
 3/4" wide x 2" long blade
 (19mm wide x 51mm long blade)



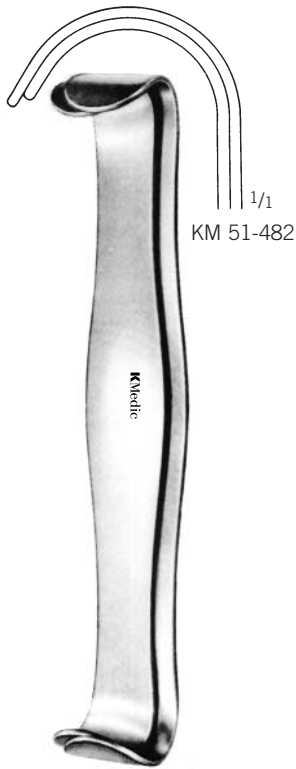
**RICHARDSON-EASTMANN
 RETRACTOR**
 KM 51-212 9 1/2" (241mm) small
 KM 51-214 10 1/4" (260mm) large
 KM 51-210 set of two

RETRACTORS



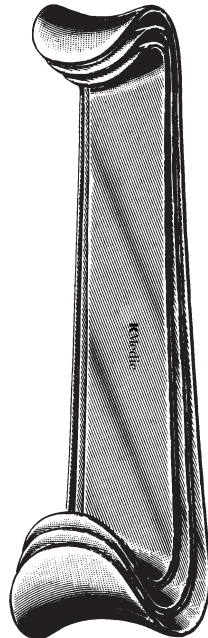
KELLY RETRACTOR 9³/₄" (248mm) with loop handle
 KM 51-216 1¹/₂" x 2" blade (38mm x 51mm)
 KM 51-218 2" x 2¹/₂" blade (51mm x 64mm)
 KM 51-220 2¹/₂" x 3" blade (64mm x 76mm)
 KM 51-222 3" x 2¹/₂" blade (76mm x 64mm)

DEAVER RETRACTOR hollow grip handle
 KM 51-230 1" wide x 10" long blade (25mm x 254mm)
 KM 51-232 1" wide x 12" long blade (25mm x 305mm)
 KM 51-234 1" wide x 13" long blade (25mm x 330mm)
 KM 51-240 2" wide x 12" long blade (51mm x 305mm)
 KM 51-236 2¹/₂" wide x 14¹/₂" long blade (64mm x 368mm)
 KM 51-242 3" wide x 12" long blade (76mm x 305mm)
 KM 51-238 3¹/₂" wide x 12" long blade (89mm x 305mm)

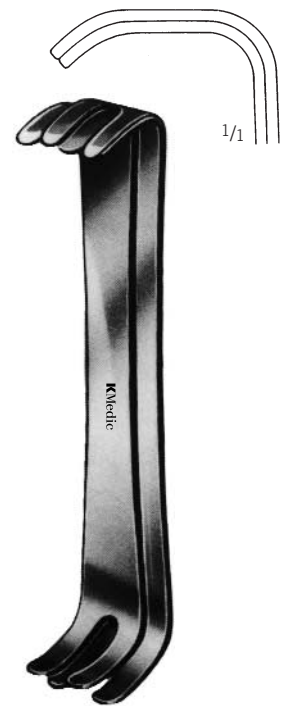


1/1
KM 51-482

PARKER RETRACTOR
double ended, set of two
KM 51-480 5" (127mm) set
KM 51-482 7 1/4" (184mm) set

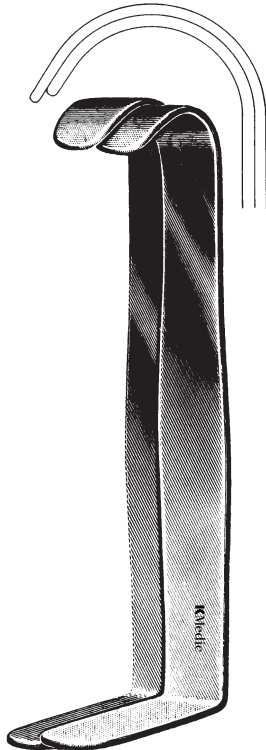


ROUX RETRACTOR
KM 51-498 5 1/4" (133mm) small
3/4" x 1" (19mm x 25mm)
KM 51-500 5 3/4" (146mm) medium
7/8" x 1 3/8" (22mm x 35mm)
KM 51-502 6 5/8" (173mm) large
1" x 1 5/8" (25mm x 41mm)

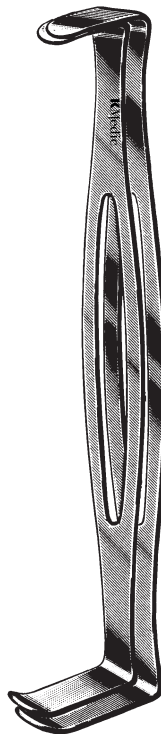


1/1

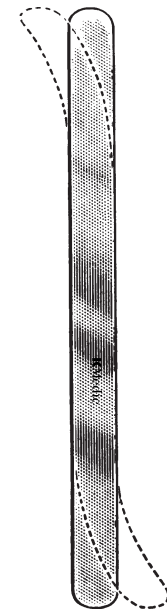
MAYO-COLLINS RETRACTOR
KM 51-388
6" (152mm) double ended, set of two



PARKER-MOTT RETRACTOR
KM 51-494
6" (152mm) double ended, set of two



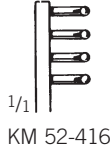
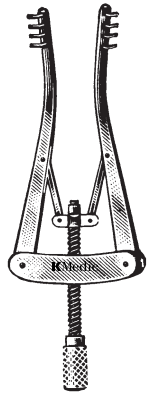
U.S. ARMY RETRACTOR
KM 51-372
8 1/4" (210mm) double ended, set of two



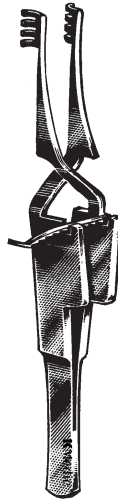
RIBBON RETRACTOR malleable
KM 51-752 6" x 1/2" (152mm x 13mm)
KM 51-755 7 1/2" x 1" (191mm x 25mm)
KM 51-766 13" x 3/4" (330mm x 19mm)
KM 51-768 13" x 1" (330mm x 25mm)
KM 51-770 13" x 1 1/4" (330mm x 32mm)
KM 51-772 13" x 1 1/2" (330mm x 38mm)
KM 51-776 13" x 2" (330mm x 51mm)

For more large retractors, refer to Section B in our Orthopedic Sourcebook™.

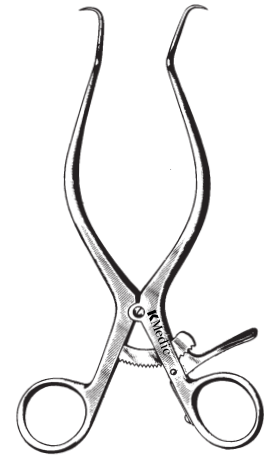
SELF-RETAINING RETRACTORS



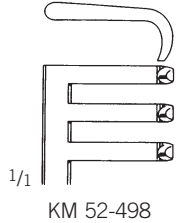
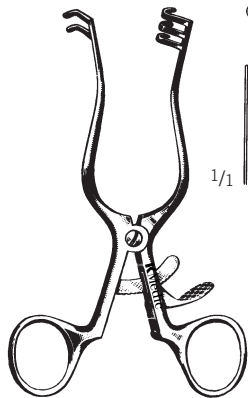
ALM RETRACTOR 4 blunt prongs
 KM 52-414 2 3/4" (70mm)
 KM 52-416 4" (102mm)



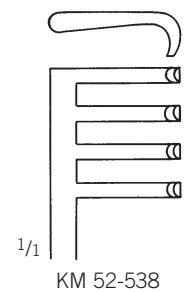
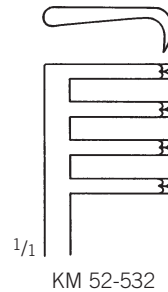
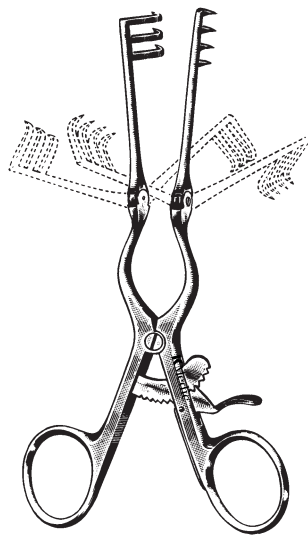
SELF RETAINING RETRACTORS
 4" (102mm)
 KM 52-417 4 sharp prongs
 KM 52-418 4 blunt prongs



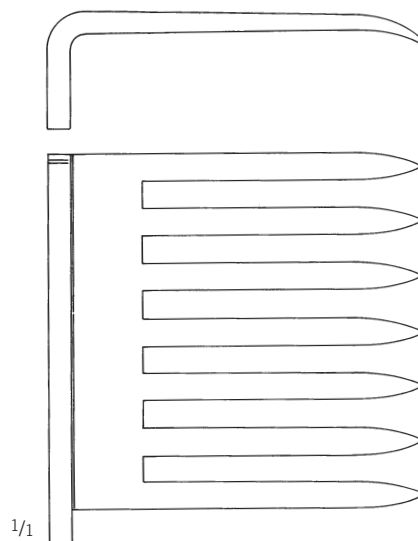
GELPI RETRACTOR sharp points
 KM 52-776 3 1/2" (89mm)
 KM 52-778 4 1/2" (114mm)
 KM 52-780 5 1/2" (140mm)
 KM 52-768 7 1/2" (191mm)
 KM 52-769 7" with ball stops (178mm)



WEITLANER RETRACTOR
 sharp points 2x3 teeth KM 52-492 4"
 blunt points 2x3 teeth KM 52-494 4" (102mm)
 3x4 teeth KM 52-498 5 1/2"
 3x4 teeth KM 52-502 6 1/2"
 3x4 teeth KM 52-504 8"
 3x4 teeth KM 52-506 9 1/2"
 3x4 teeth KM 52-518 5 1/2" (140mm)
 3x4 teeth KM 52-522 6 1/2" (165mm)
 3x4 teeth KM 52-524 8" (203mm)
 3x4 teeth KM 52-526 9 1/2" (241mm)



BECKMAN-WEITLANER RETRACTOR hinged blades
 3x4 sharp prongs
 KM 52-530 5 1/2" (140mm) 15mm depth x 20mm height
 KM 52-532 6 1/2" (165mm) 15mm depth x 20mm height
 KM 52-534 8 1/2" (216mm) 17mm depth x 22mm height
 KM 52-542 9 1/2" (241mm) 24mm depth x 22mm height
 3x4 blunt prongs
 KM 52-536 5 1/2" (140mm) 15mm depth x 20mm height
 KM 52-538 6 1/2" (165mm) 15mm depth x 20mm height
 KM 52-540 8 1/2" (216mm) 17mm depth x 22mm height
 KM 52-544 9 1/2" (241mm) 24mm depth x 22mm height



BECKMAN-EATON RETRACTOR
 KM 52-476
 12 1/2" (317mm)
 hinged blades
 7x7 sharp prongs
 45mm depth x 45mm height

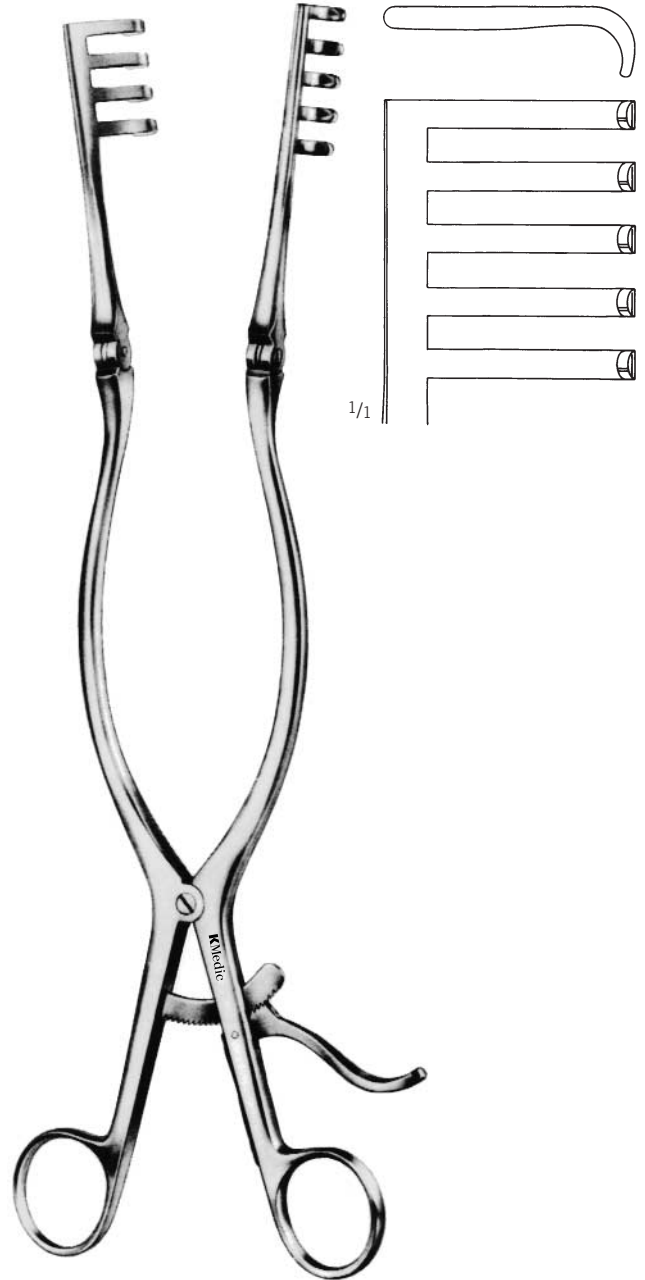
SELF-RETAINING RETRACTORS



BECKMAN RETRACTOR

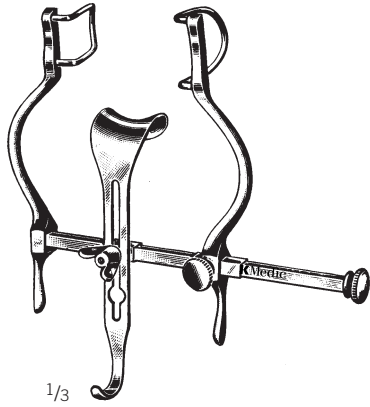
KM 52-470
 12 1/4" (311mm)
 with hinged blades
 4x4 sharp prongs
 17mm depth x 27mm height

KM 52-472
 12 1/4" (311mm)
 with hinged blades
 4x4 blunt prongs
 17mm depth x 27mm height

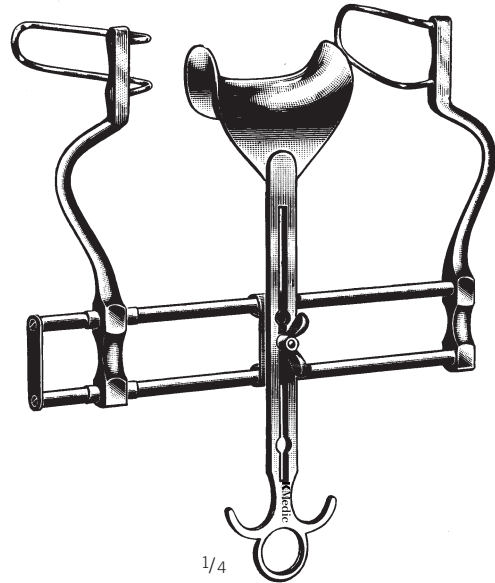


ADSON RETRACTOR

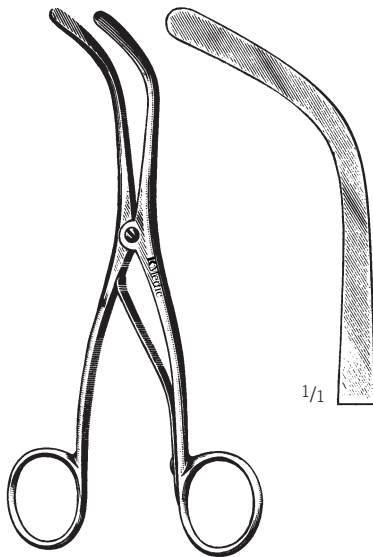
KM 52-474
 13" (330mm)
 with hinged blades
 4x5 blunt prongs



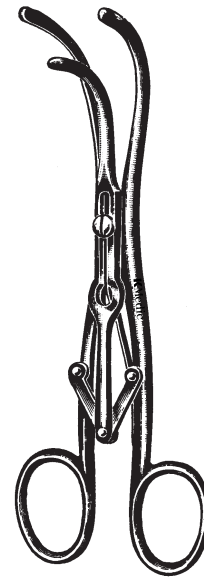
BALFOUR RETRACTOR Pediatric
KM 52-380
3 1/2" (89mm) spread, fenestrated



BALFOUR RETRACTOR Adult
KM 52-358
7" (178mm) spread, fenestrated

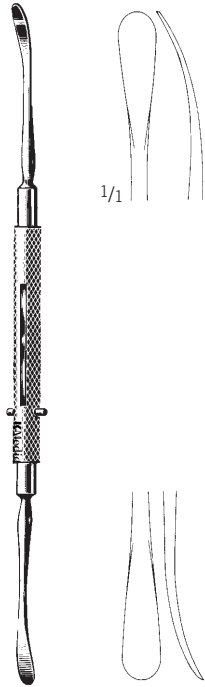


TROSSEAU DILATOR
KM 61-338
5 1/4" (133mm) bi-valve

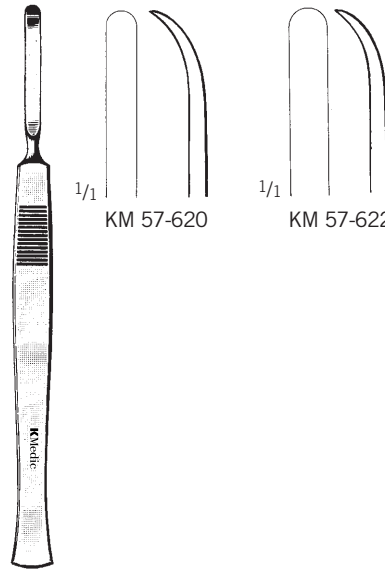


LA BORDE DILATOR
KM 61-344
5 1/2" (140mm) tri-valve


ELEVATORS



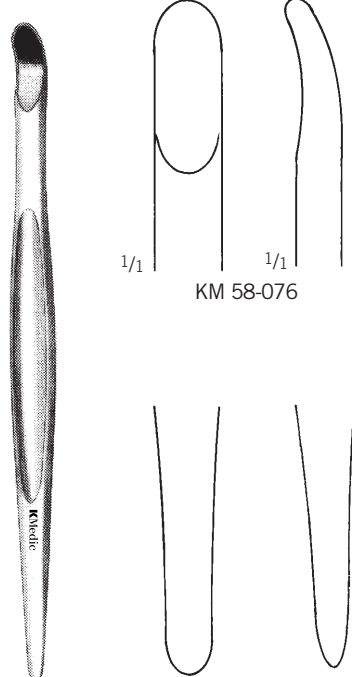
FREER ELEVATOR
 KM 57-614
 7½" (191mm) one sharp and one blunt blade, 5mm wide



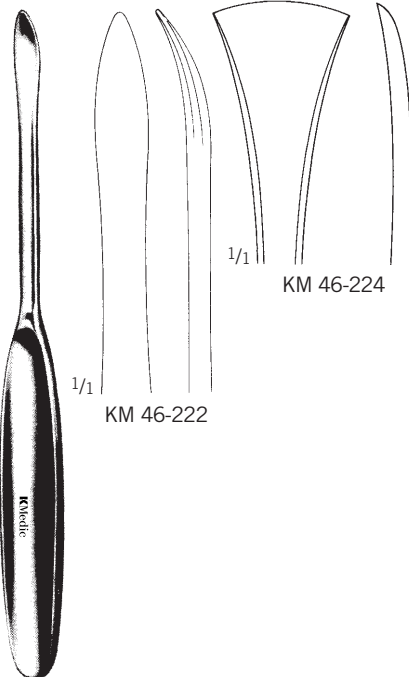
MCKENTY ELEVATOR 5½" (140mm)
 KM 57-620 4mm wide
 KM 57-622 5mm wide



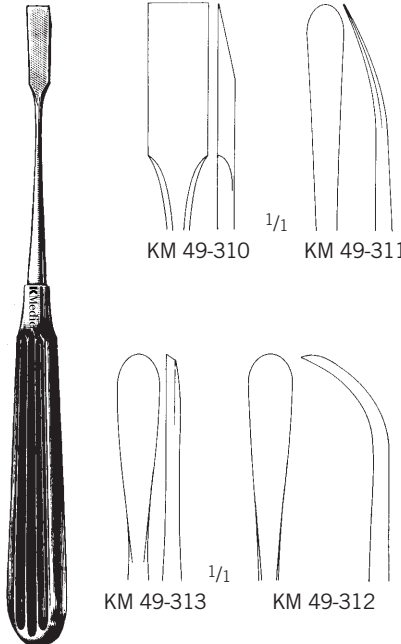
KEY PERIOSTEAL ELEVATOR
 KM 46-258 7" (178mm) ¼" (6mm) wide
 KM 46-260 7½" (191mm) ⅜" (10mm) wide
 KM 46-262 7½" (191mm) ½" (13mm) wide
 KM 46-264 8" (203mm) ¾" (19mm) wide
 KM 46-266 8¼" (210mm) 1" (25mm) wide



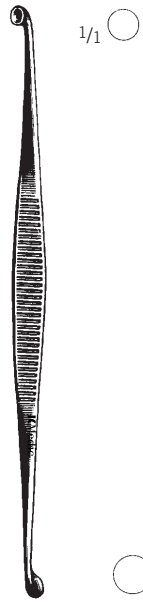
SAYRE PERIOSTEAL ELEVATOR
 6½" (165mm)
 KM 58-075 sharp double ended
 KM 58-076 blunt double ended



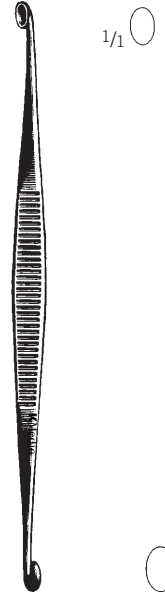
LANGENBECK PERIOSTEAL ELEVATOR
 7" (178mm)
 KM 46-222 7mm wide blunt edge
 KM 46-224 18mm wide sharp edge



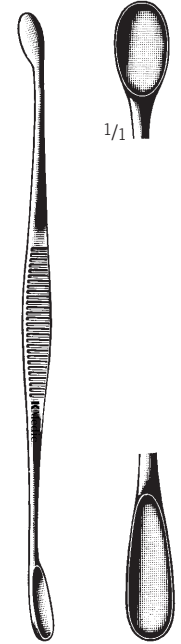
ADSON PERIOSTEAL ELEVATOR
 6¾" (171mm)
 KM 49-310 straight sharp
 KM 49-311 curved blunt
 KM 49-313 straight semi-sharp
 KM 49-312 curved semi-sharp



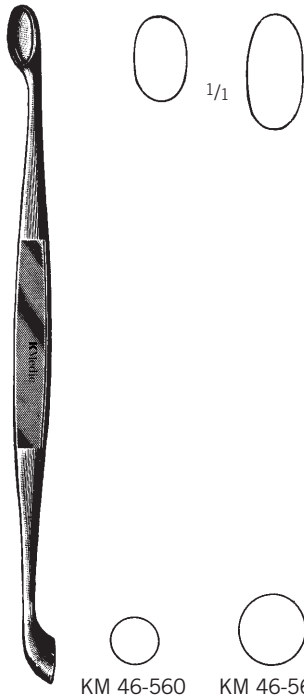
MARTINI BONE CURETTE
 KM 29-620
 5½" (140mm) double ended
 4mm and 5mm round cups



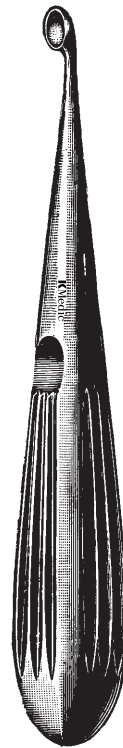
WILLIGER BONE CURETTE
 KM 29-630
 5½" (140mm) double ended
 3mm and 4mm oval cups



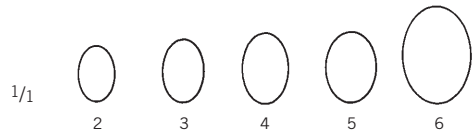
VOLKMANN CURETTE
 KM 46-550
 6½" (165mm) double ended
 oval cups



VOLKMANN CURETTE oval and round cups
 KM 46-560 5" (127mm) double ended
 KM 46-562 6½" (165mm) double ended
 KM 46-561 8" (203mm) double ended



BRUN (SPRATT) CURETTE oval cup



- 7" (178mm)**
 KM 46-511 #5/0
 KM 46-512 #4/0
 KM 46-513 #3/0
 KM 46-515 #2/0
 KM 46-517 #0
 KM 46-519 #1
 KM 46-521 #2
 KM 46-523 #3
 KM 46-525 #4
 KM 46-529 #5
 KM 46-531 #6

- 9" (229mm)**
 KM 46-563 #3/0
 KM 46-564 #2/0
 KM 46-565 #0
 KM 46-566 #1
 KM 46-567 #2
 KM 46-568 #3
 KM 46-569 #4
 KM 46-570 #5
 KM 46-571 #6

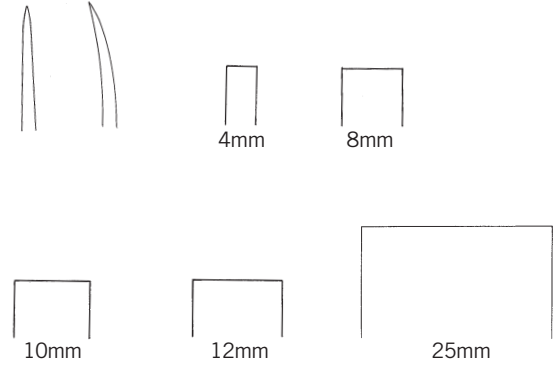
OSTEOTOMES



U.S. ARMY PATTERN OSTEOTOME
 6½" (165mm)
 KM 46-284 6mm wide
 KM 46-286 12mm wide
 KM 46-288 18mm wide



LAMBOTTE OSTEOTOME

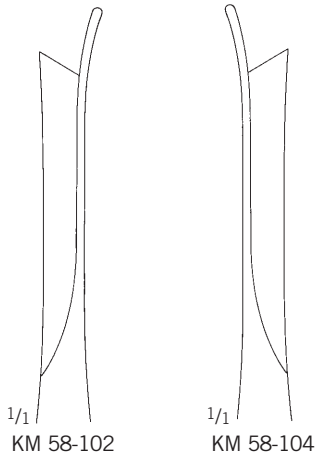


- 5" (127mm) straight** without calibration lines
- | | |
|----------------|----------------|
| KM 46-336 4mm | KM 46-343 14mm |
| KM 46-338 6mm | KM 46-345 15mm |
| KM 46-340 8mm | KM 46-346 18mm |
| KM 46-342 10mm | KM 46-347 19mm |
| KM 46-344 12mm | KM 46-335 20mm |

- 7" (178mm) straight** with calibration lines
- | | |
|----------------|----------------|
| KM 46-348 4mm | KM 46-352 12mm |
| KM 46-349 5mm | KM 46-353 16mm |
| KM 46-350 6mm | KM 46-354 19mm |
| KM 46-358 8mm | KM 46-355 22mm |
| KM 46-351 10mm | KM 46-356 25mm |

- 9" (229mm) straight** without calibration lines
- | |
|----------------------|
| KM 46-304 ¼" (6mm) |
| KM 46-306 ½" (13mm) |
| KM 46-310 ¾" (19mm) |
| KM 46-314 1" (25mm) |
| KM 46-318 1¼" (32mm) |
| KM 46-322 1½" (38mm) |

- 9" (229mm) curved** without calibration lines
- | |
|----------------------|
| KM 46-328 ¼" (6mm) |
| KM 46-329 ½" (13mm) |
| KM 46-330 ¾" (19mm) |
| KM 46-331 1" (25mm) |
| KM 46-332 1¼" (32mm) |
| KM 46-333 1½" (38mm) |



SILVER OSTEOTOME
 7" (178mm) single guard
 KM 58-100 straight
 KM 58-102 guard, right
 KM 58-104 guard, left



- straight**
- | |
|---------------------|
| KM 46-497 ⅛" (3mm) |
| KM 46-498 ⅜" (4mm) |
| KM 46-499 ¼" (6mm) |
| KM 46-500 ⅝" (8mm) |
| KM 46-501 ⅜" (10mm) |
| KM 46-502 ½" (13mm) |
| KM 46-503 ⅝" (16mm) |
| KM 46-504 ¾" (19mm) |

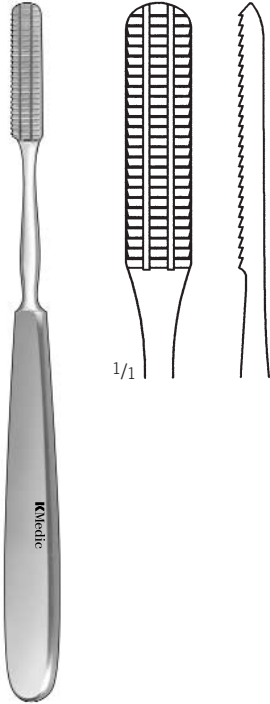
- curved**
- | |
|---------------------|
| KM 46-700 ⅛" (3mm) |
| KM 46-701 ⅜" (4mm) |
| KM 46-702 ¼" (6mm) |
| KM 46-703 ⅝" (8mm) |
| KM 46-704 ⅜" (10mm) |
| KM 46-706 ½" (13mm) |
| KM 46-708 ⅝" (16mm) |
| KM 46-709 ¾" (19mm) |

HOKE OSTEOTOME 5¼" (133mm) straight

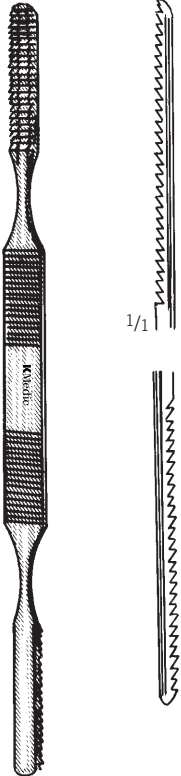


- | |
|----------------|
| KM 46-268 2mm |
| KM 46-270 4mm |
| KM 46-272 6mm |
| KM 46-274 8mm |
| KM 46-276 10mm |
| KM 46-278 12mm |
| KM 46-280 15mm |

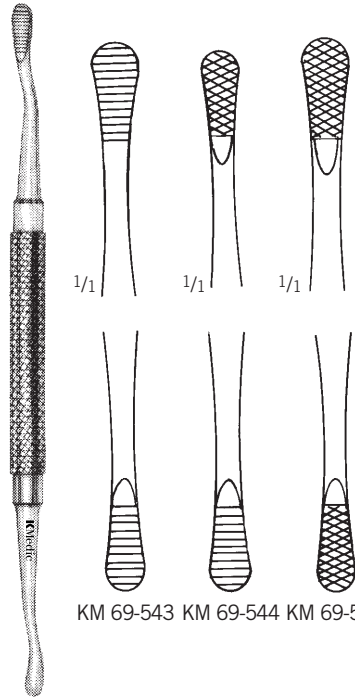
SHEEHAN OSTEOTOME 6¼" (159mm)



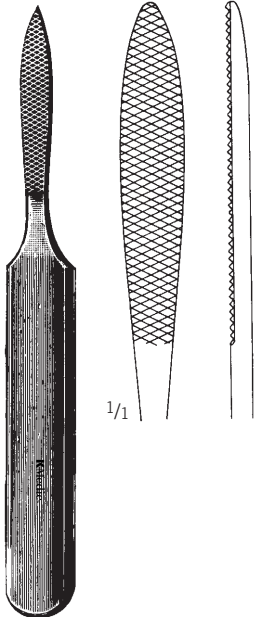
MALTZ RASP
KM 58-060
7 1/4" (184mm)
backward cutting



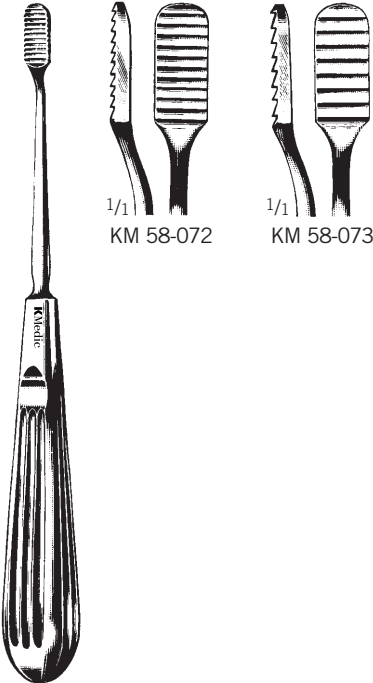
MALTZ RASP IMPROVED
KM 58-062
8 1/4" (210mm) double ended
forward and backward cutting



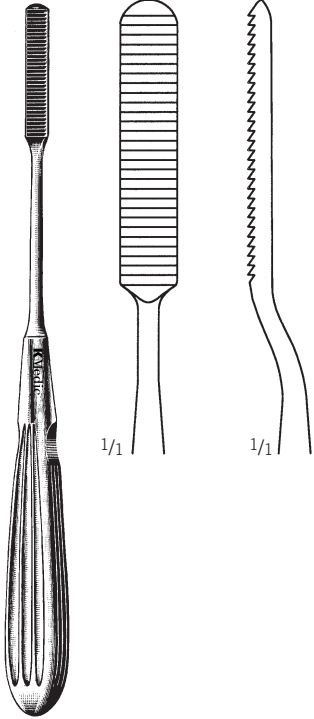
BONE FILES 7" (178mm) double ended
KM 69-543 #12 plain serrations
KM 69-544 #12A plain and cross serrations
KM 69-545 #12CA cross serrations



JOSEPH RASP
KM 58-068
6 1/4" (159mm) fine
cross serrations

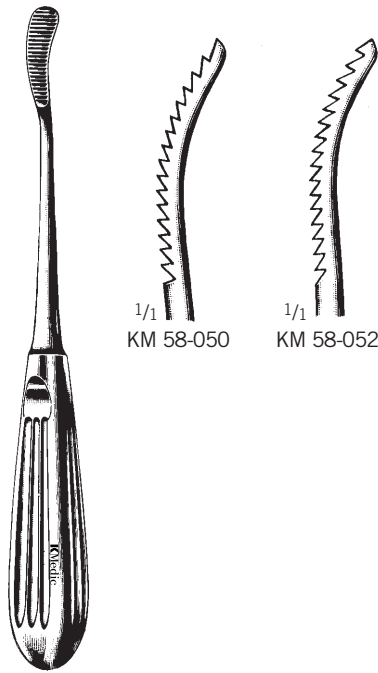


LEWIS RASP backward cutting
KM 58-072 fine teeth
KM 58-073 coarse teeth



COTTLE RASP
KM 58-066
8" (203mm)
backward cutting

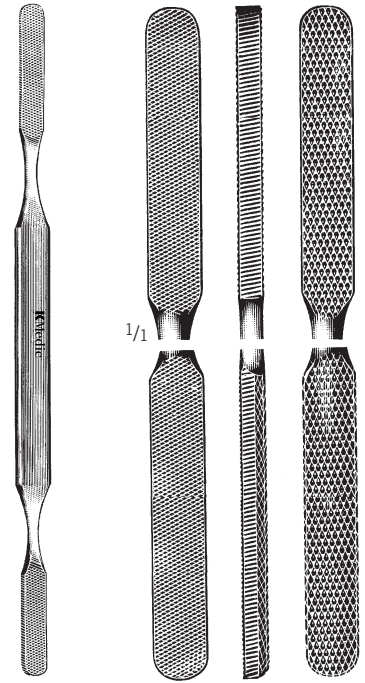
BONE RASPS, FILES AND SAWS



AUFRICHT RASP 8¼" (210mm)
 KM 58-050 forward cutting
 KM 58-052 backward cutting



BONE FILE
 KM 46-650
 9½" (241mm) bayonet shank
 half round blade
 fine teeth



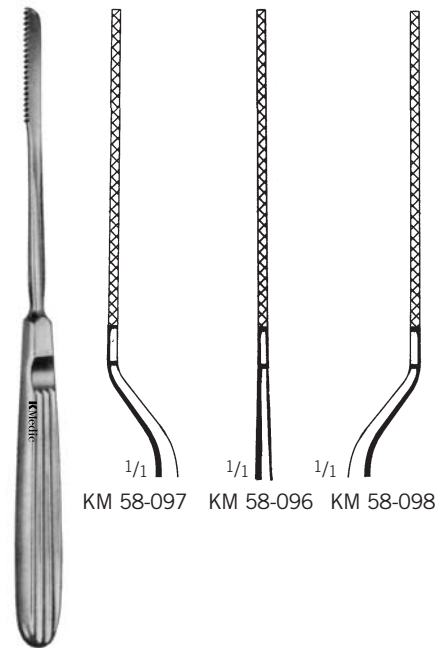
FOMON RASP
 KM 46-655
 8½" (216mm) double ended
 fine and coarse teeth
 4-sided, convex and flat



PUTTI BONE RASP
 KM 46-654
 11" (279mm) flat ends
 one end curved up
 one end curved sideways



PUTTI BONE RASP
 KM 46-652
 12" (305mm) one round end
 and one half round end



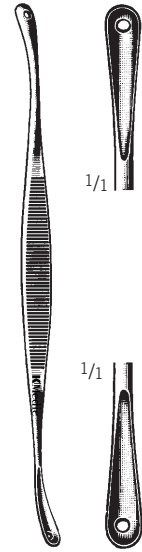
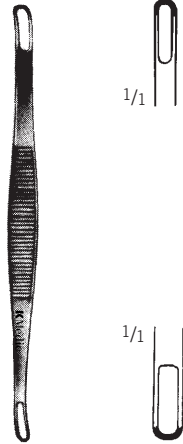
JOSEPH BONE SAW 7½" (191mm)
 KM 58-096 straight
 KM 58-097 bayonet left
 KM 58-098 bayonet right



SCHAMBERG COMEDONE EXTRACTOR
 KM 29-580
 3 3/4" (95mm)
 standard
 crimped loops



SCHAMBERG COMEDONE EXTRACTOR
 KM 29-584
 3 3/4" (95mm)
 square loops



UNNA COMEDONE EXTRACTOR
 KM 29-592
 5 3/4" (146mm)
 fenestrated spoon ends



KMEDIC COMEDONE EXTRACTOR
 KM 29-604
 6 1/4" (159mm) one fenestrated cup
 and curved lancet with cap



GREG COMEDONE EXTRACTOR
 KM 29-606
 5" (127mm) one fenestrated cup
 and lancet blade with cap



SAALFELD COMEDONE EXTRACTOR
 KM 29-566
 4 1/2" (114mm) with lancet
 and one fenestrated cup

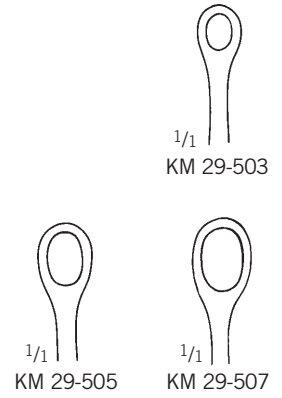
DERMAL INSTRUMENTS



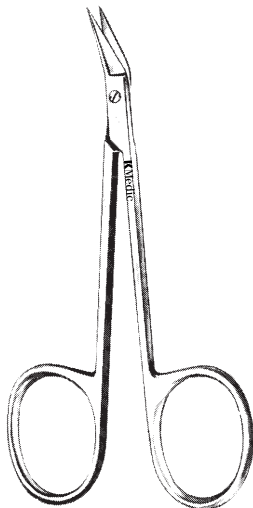
KEYES PUNCH 4" (102mm)
 KM 29-511 2mm KM 29-514 5mm
 KM 29-512 3mm KM 29-515 6mm
 KM 29-513 4mm KM 29-517 8mm



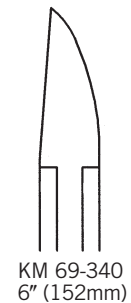
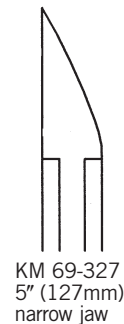
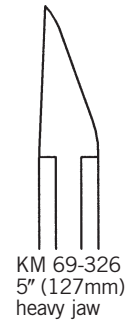
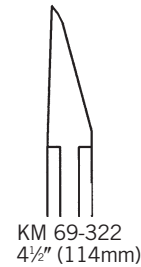
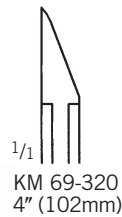
FOX CURETTE 5½" (140mm) round
 KM 29-495 1mm KM 29-498 4mm
 KM 29-496 2mm KM 29-499 5mm
 KM 29-497 3mm KM 29-500 6mm



PIFFARD CURETTE 5½" (140mm) oval
 KM 29-503 #1 small
 KM 29-505 #2 medium
 KM 29-507 #3 large

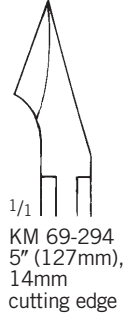
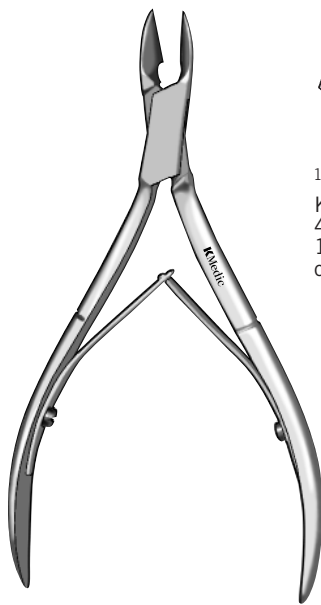


BIRO DERMAL NAEVUS SCISSORS
 KM 35-515
 4" (102mm) angled on flat
 sharp outside edges



NAIL SPLITTER

Note: For a sure grip, our splitters have grooved handles.



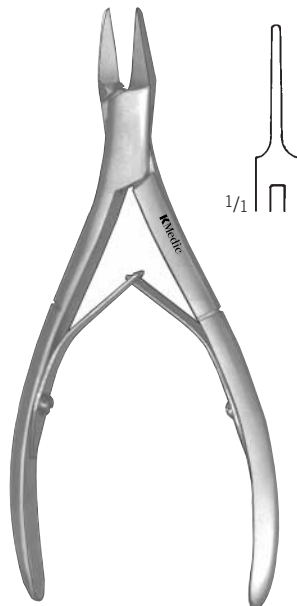
TISSUE NIPPER



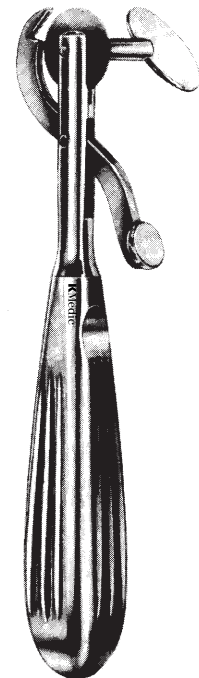
NAIL NIPPER heavy



NAIL NIPPER
KM 69-410 4 1/2" (114mm) concave chrome barrel spring
KM 69-412 5 1/2" (140mm) concave chrome barrel spring

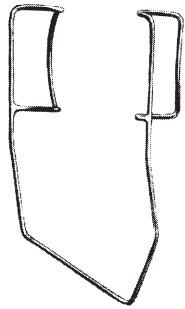


INGROWN NAIL FORCEPS
KM 69-348 5" (127mm) anvil pattern narrow blade



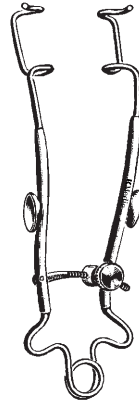
FINGER RING CUTTER
KM 29-430 6 1/2" (165mm) chrome with saw blade
KM 29-434 saw blade only

EYE INSTRUMENTS



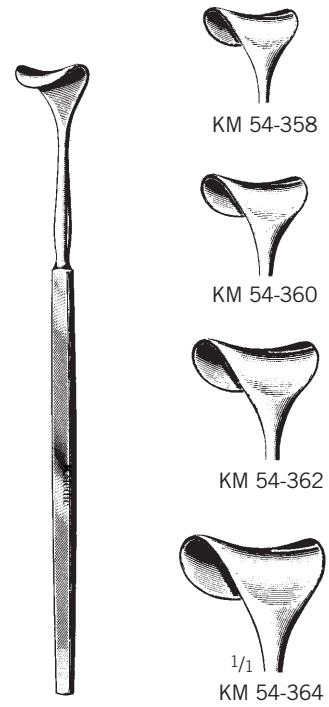
BARRAQUER EYE SPECULUM

1 3/4" (44mm)
 KM 54-108 small blades 10mm wide
 KM 54-110 large blades 15mm wide



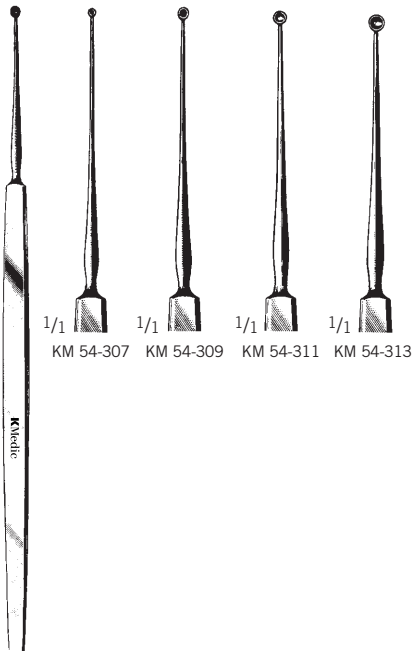
GRAEFE EYE SPECULUM

KM 54-080
 3 1/2" (89mm)



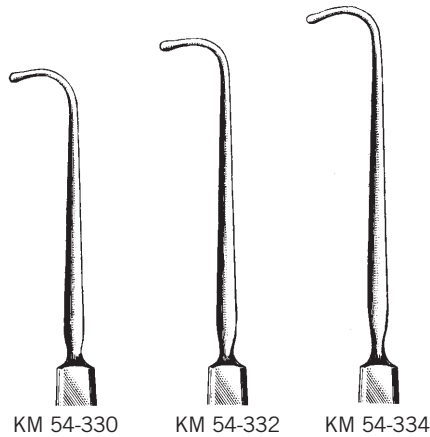
DESMARRES LID RETRACTOR

5 1/2" (140mm)
 KM 54-358 #1 11mm
 KM 54-360 #2 13mm
 KM 54-362 #3 15mm
 KM 54-364 #4 17mm



MEYHOEFFER CURETTE 5" (127mm)

KM 54-307 #2/0 1.0mm
 KM 54-309 #0 1.5mm
 KM 54-311 #1 1.7mm
 KM 54-313 #2 2.0mm



GRAEFE STRABISMUS HOOK

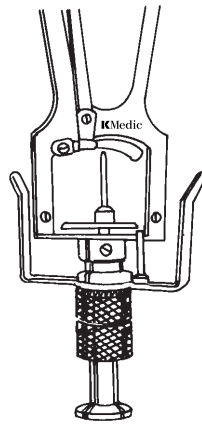
5 1/2" (140mm)
 KM 54-330 small
 KM 54-332 medium
 KM 54-334 large



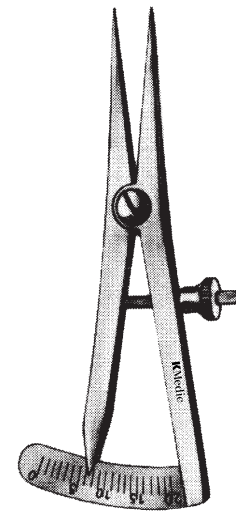
BOWMAN LACRIMAL PROBES

5" (127mm) sterling

KM 54-713 size 0000/000
 KM 54-715 size 00/0
 KM 54-717 size 1/2
 KM 54-719 size 3/4
 KM 54-721 size 5/6
 KM 54-723 size 7/8



KM 53-058
KM 53-062



CASTROVIEJO CALIPER
KM 53-040
3 1/4" (83mm) graduated 0-20mm

SCHIOTZ TONOMETER

- KM 53-056 straight scale
- KM 53-058 straight scale with Allen Plunger
- KM 53-060 improved, inclined scale
- KM 53-062 improved, inclined scale with Allen Plunger



DIX SPUD AND NEEDLE
KM 54-272
in reversible screw handle



FOREIGN BODY NEEDLES AND SPUDS



1/16
NEEDLE
KM 54-280
5" (127mm)
2 x 5mm blade



1/16
DAVIS
KM 54-282
4 3/4" (121mm)
0.8mm blade



1/16
ELLIS
KM 54-284
4 1/2" (114mm) curved
1.2mm blade

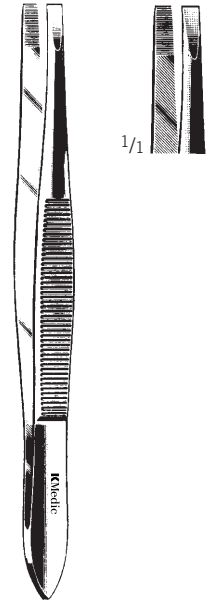
EYE INSTRUMENTS



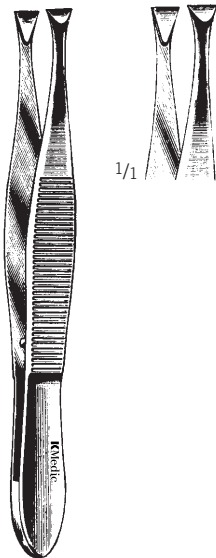
BISHOP HARMAN FORCEPS 3 3/8" (86mm)
 KM 53-426 extra delicate serrated 0.7mm
 KM 53-428 delicate serrated 1.0mm
 KM 53-440 delicate 1x2 teeth 1.0mm



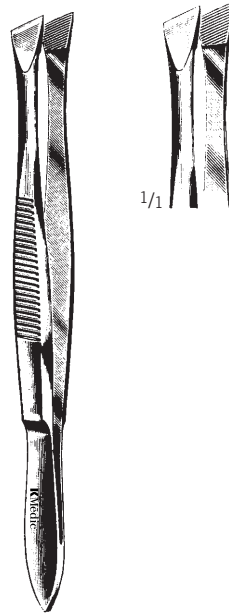
TROUTMAN-BARRAQUER FORCEPS
 KM 53-460
 3" (76mm) 1x2 teeth
 0.12mm with tying platform



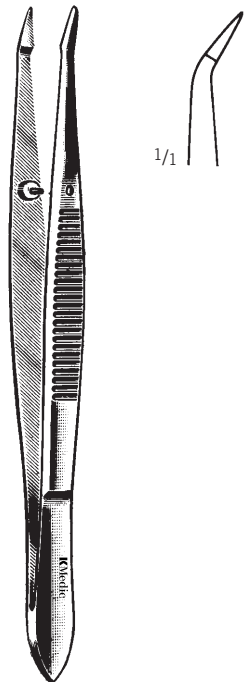
DOUGLAS CILIA FORCEPS
 KM 53-560
 3 1/2" (89mm) fine serrations



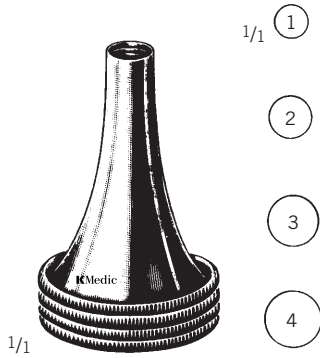
LITTAUER CILIA FORCEPS
 KM 53-564
 3 1/2" (89mm) fine serrations



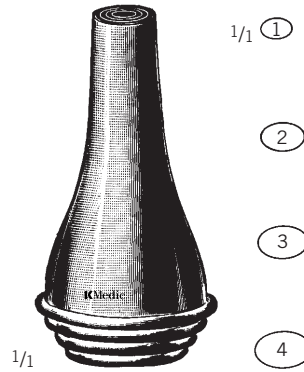
BERGH CILIA FORCEPS
 KM 53-568
 3 1/2" (89mm) fine serrations



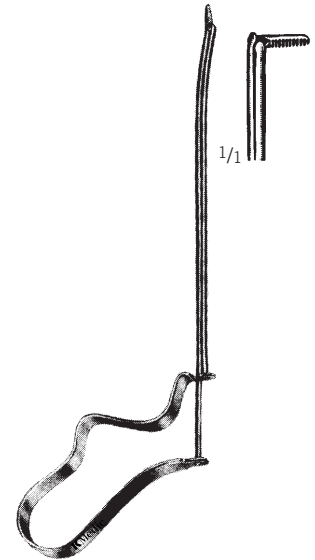
BARRAQUER CILIA & SUTURE FORCEPS
 KM 53-580
 4 1/2" (114mm) smooth platform



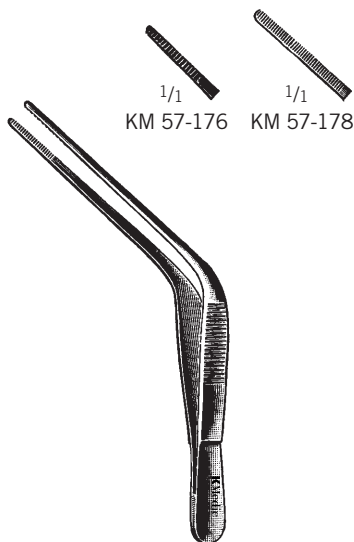
HARTMAN EAR SPECULA round chrome
 KM 56-180 #1 4mm diameter
 KM 56-182 #2 5mm diameter
 KM 56-184 #3 6mm diameter
 KM 56-186 #4 7mm diameter



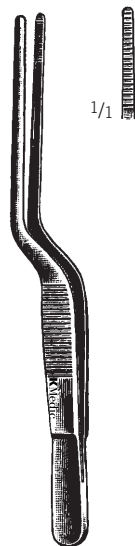
GRUBER EAR SPECULA oval adult chrome
 KM 56-168 #1 4 x 5mm
 KM 56-170 #2 5 x 6mm
 KM 56-172 #3 6 x 7mm
 KM 56-174 #4 7 x 8mm



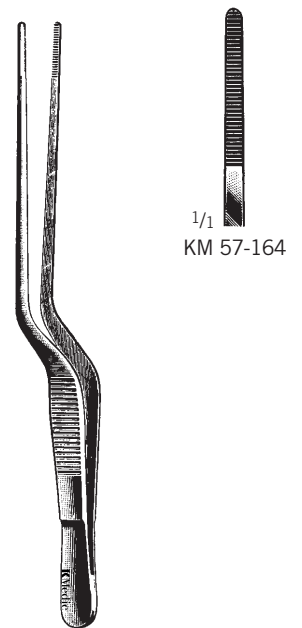
QUIRE MECHANICAL FINGER
 KM 55-210
 4" (102mm)



WILDE EAR FORCEPS
 KM 57-176 4½" (114mm) delicate serrated angular
 KM 57-178 5" (127mm) serrated angular

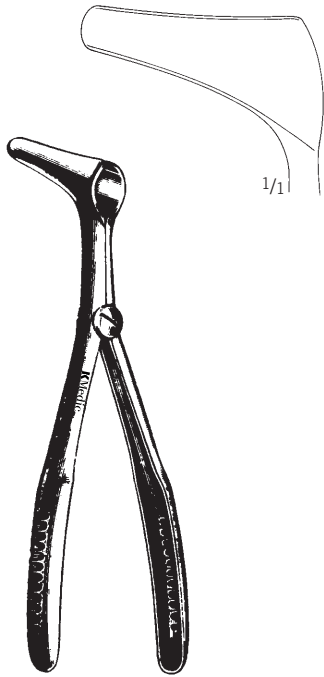


LUCAE EAR FORCEPS
 KM 55-094 5½" (140mm) serrated bayonet

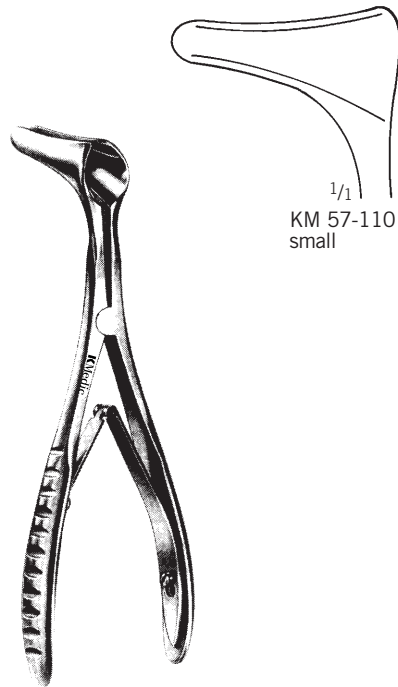


JANSEN (GRUENWALD) EAR FORCEPS
 KM 55-100 6¼" (159mm) serrated bayonet
 KM 57-164 8" (203mm) serrated bayonet

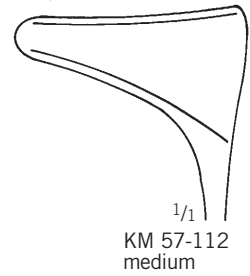
EAR AND NOSE INSTRUMENTS



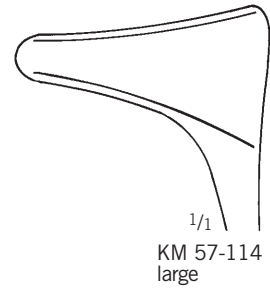
VIENNA SPECULUM LIGHT
 KM 57-104
 5 3/4" (146mm)
 adult



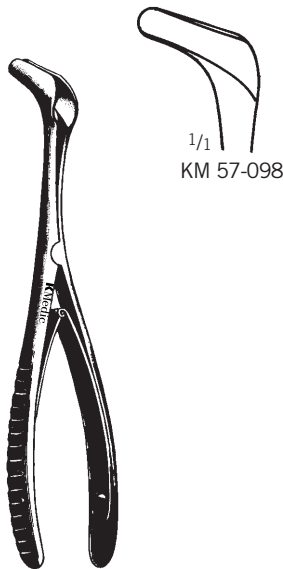
VIENNA SPECULUM 5 3/4" (146mm)



1/1
 KM 57-112
 medium



1/1
 KM 57-114
 large

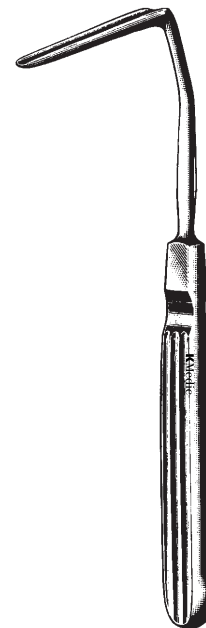


HALLE-TIECK SPECULUM
 KM 57-098
 5 1/2" (140mm)
 infant

1/1
 KM 57-098



KILLIAN NASAL SPECULUM 6" (152mm)
 KM 57-058 2" blade
 KM 57-064 3" blade
 KM 57-070 3 1/2" blade



AUFRICHT NASAL RETRACTOR
 KM 57-120
 6 1/2" (165mm)
 solid blade

1/1
KM 55-160

1/1
KM 55-174

HARTMANN ALLIGATOR FORCEPS
 KM 55-160 3 1/2" (89mm) serrated
 KM 55-162 5 1/2" (140mm) serrated
 KM 55-164 6 1/2" (165mm) serrated
 KM 55-174 3 1/2" (89mm) 1x2 teeth serrated

1/1

HARTMANN EAR DRESSING FORCEPS
 KM 55-188
 5" (127mm) delicate serrated

1/1
KM 55-166

1/1
KM 55-168

NOYES ALLIGATOR FORCEPS
 KM 55-166 5 1/2" (140mm) serrated
 KM 55-168 5 1/2" (140mm) 1x2 teeth serrated

1/1

HARTMANN NASAL FORCEPS
 KM 57-182
 8" (203mm) standard serrated

1/1

KNIGHT SEPTUM FORCEPS
 KM 55-198
 7" (178mm) cup jaws

1/1
KM 55-192

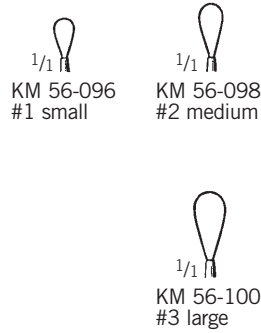
1/1
KM 55-194

LUC SEPTUM FORCEPS 8" (203mm)
 KM 55-192 small cup
 KM 55-194 large cup

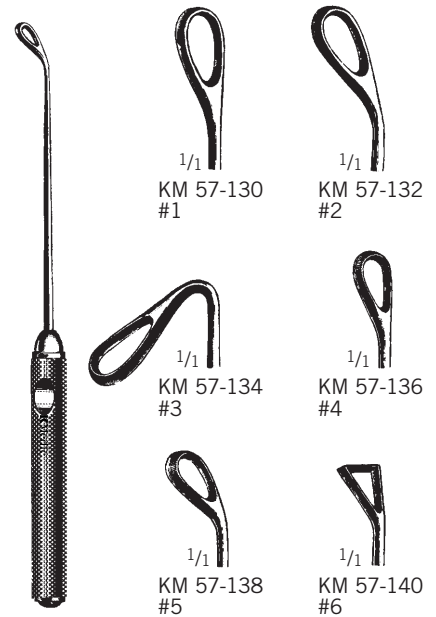
EAR AND NOSE INSTRUMENTS



GROSS SPOON AND HOOK
KM 56-104
4¾" (121mm)



BILLEAU LOOP 6½" (165mm)



COAKLEY ANTRUM CURETTES
6¾" (171mm)



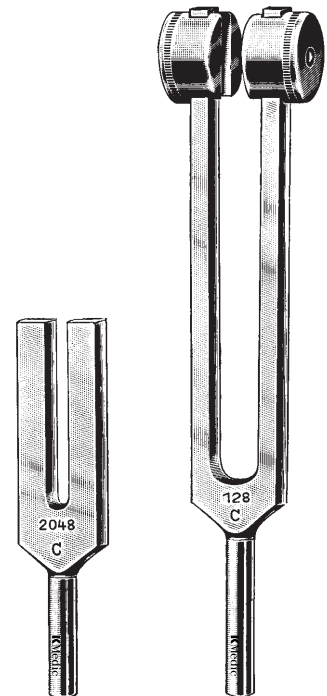
straight blunt
KM 56-059 #00
KM 56-061 #0
KM 56-063 #1
KM 56-065 #2
KM 56-067 #3

angled blunt
KM 56-074 #00
KM 56-076 #0
KM 56-078 #1
KM 56-080 #2
KM 56-082 #3

straight sharp
KM 56-085 #00
KM 56-086 #0
KM 56-087 #1
KM 56-088 #2
KM 56-089 #3

angled sharp
KM 56-091 #00
KM 56-092 #0
KM 56-093 #1
KM 56-094 #2
KM 56-095 #3

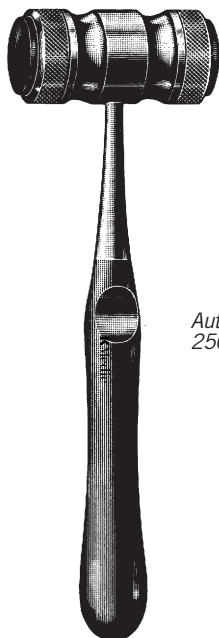
BUCK CURETTE 6½" (165mm)



TUNING FORK aluminum alloy
KM 56-284 C-128
KM 56-312 C-256
KM 56-318 C-512
KM 56-330 C-1024
KM 56-334 C-2048
KM 56-342 set of five in a case

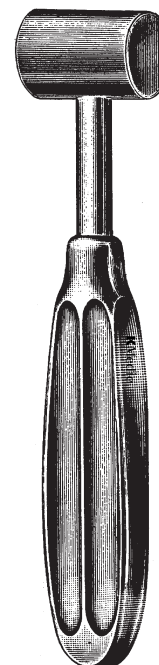


MALLET #49
 KM 46-656
 7 1/4" (195mm) lead filled and faced
 weight: 7 oz. (200 grams)
 head weight: 5 oz. (150 grams)
 head diameter: 22mm



*Autoclavable to
 250°F (121°C).*

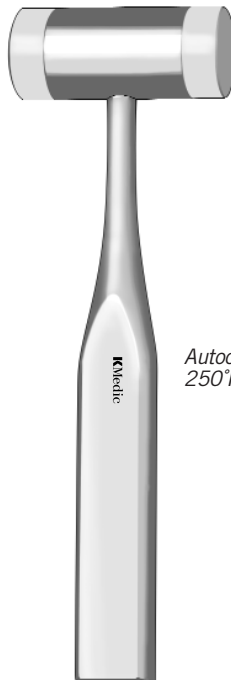
MEAD MALLET
 KM 46-657
 7 1/2" (191mm) with replaceable nylon caps
 weight: 11 oz. (315 grams)
 head weight: 6 oz. (170 grams)
 head diameter: 20mm



GERZOG BONE MALLET
 KM 46-661
 7 1/2" (191mm) lead filled and faced
 weight: 10 oz. (285 grams)
 head weight: 7 oz. (200 grams)
 head diameter: 25mm



LUCAE BONE MALLET
 KM 46-660
 8" (203mm) brass head
 stainless steel handle
 weight: 9 oz. (260 grams)
 head weight: 5 oz. (150 grams)
 head diameter: 25mm



*Autoclavable to
 250°F (121°C).*

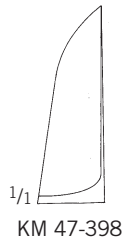
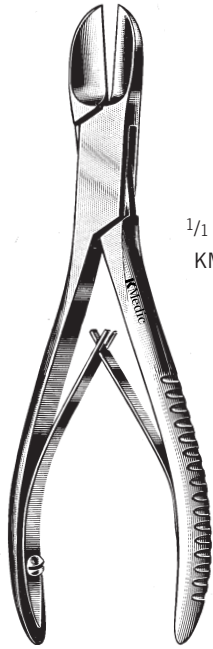
MALLET lightweight
 KM 46-662
 7 1/2" (191mm) with two replaceable nylon caps
 anodized aluminum handle
 weight: 7 oz. (200 grams)
 head weight: 4 oz. (120 grams)
 head diameter: 25mm



HEATH MALLET heavyweight
 KM 46-663
 7 1/2" (191mm) solid stainless steel
 weight: 2 lbs. (900 grams)
 head weight: 1 lb. 4 oz. (570 grams)
 head diameter: 40mm

For our complete selection of mallets, refer to Section H in our Orthopedic Sourcebook™.

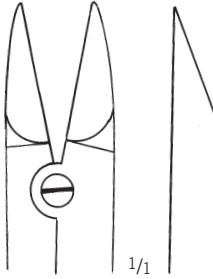
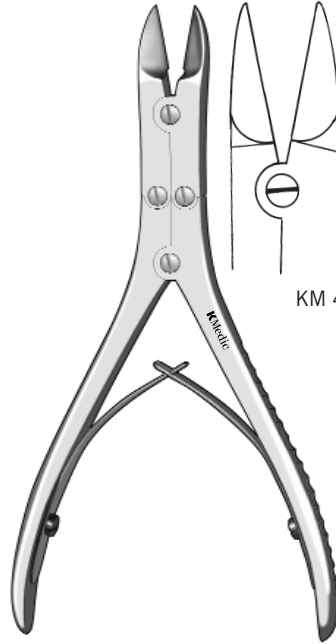
BONE CUTTING INSTRUMENTS



KM 47-398

LISTON BONE FORCEPS

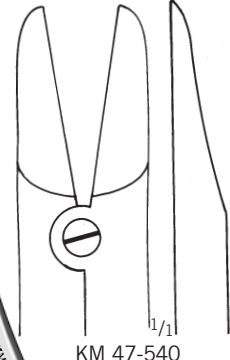
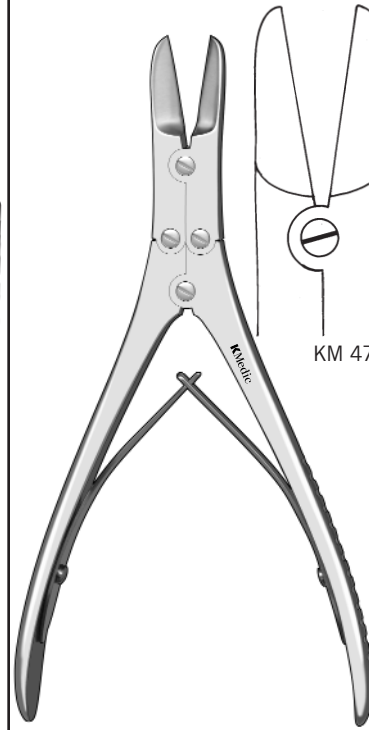
straight
 KM 47-398 5½" KM 47-410 5½" (140mm)
 KM 47-400 6¾" KM 47-404 6¾" (171mm)
 KM 47-402 7½" KM 47-412 7½" (191mm)



KM 47-555

RUSKIN-LISTON FORCEPS 6" (152mm)

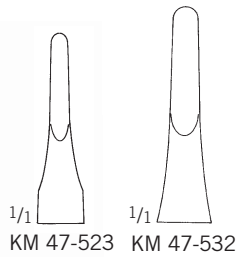
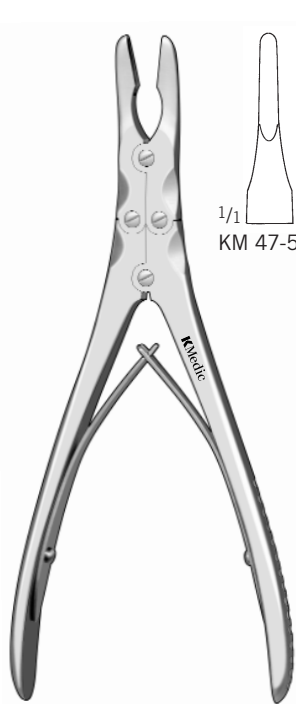
KM 47-550 *straight*
 KM 47-555 *straight delicate*
 KM 47-557 *curved delicate*



KM 47-540

RUSKIN-LISTON FORCEPS 7½" (191mm)

KM 47-538 *straight*
 KM 47-540 *straight delicate*
 KM 47-542 *angled on flat*



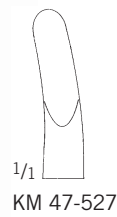
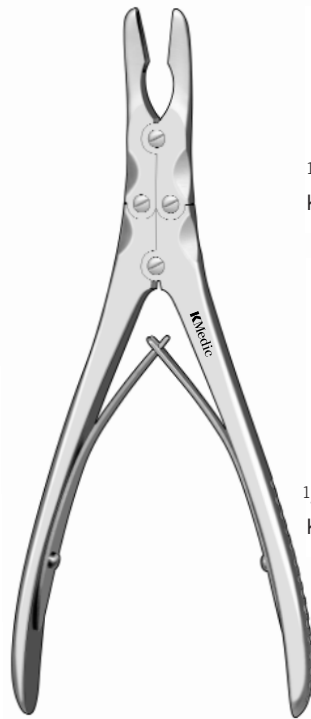
KM 47-523 KM 47-532



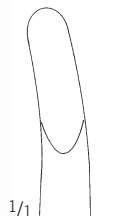
KM 47-534

RUSKIN RONGEUR 6" (152mm)

straight
 KM 47-523 2x14mm bite delicate
 KM 47-532 3x15mm bite
curved
 KM 47-534 3x15mm bite



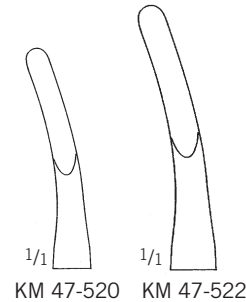
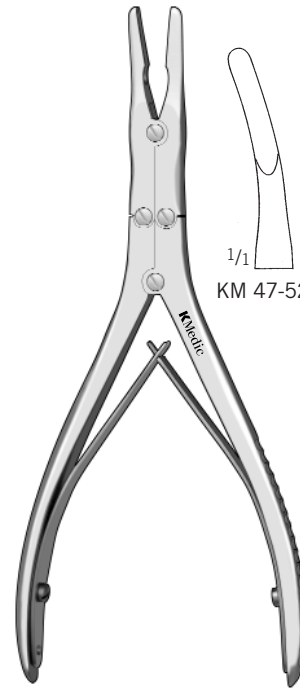
KM 47-527



KM 47-531

RUSKIN RONGEUR 7¼" (184mm)

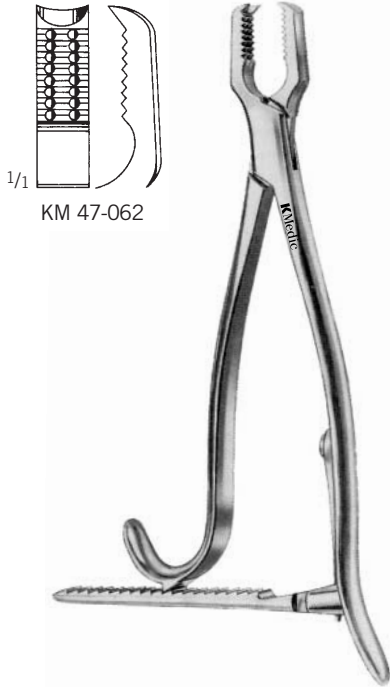
straight
 KM 47-526 4x16mm bite
 KM 47-528 6x16mm bite
curved
 KM 47-527 4x16mm bite
 KM 47-531 6x16mm bite



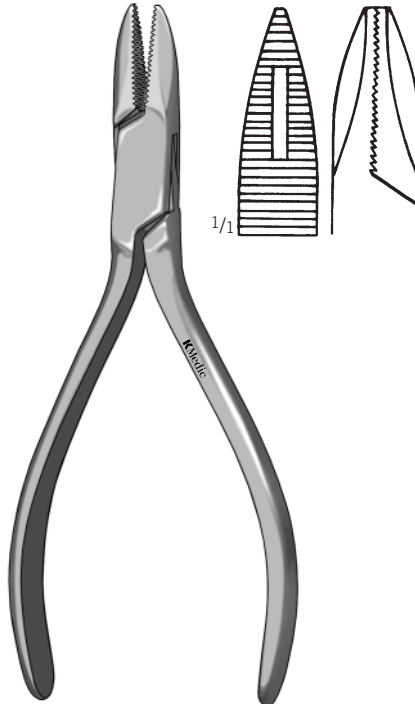
KM 47-520 KM 47-522

BEYER RONGEUR 7" (178mm)

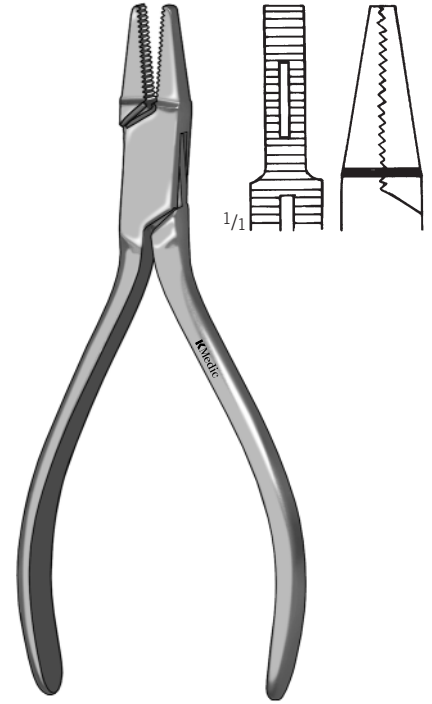
curved
 KM 47-520 3x14mm bite
 KM 47-522 4x15mm bite



KERN BONE FORCEPS
 KM 47-062 5 3/4" (146mm) with ratchet
 KM 47-064 8 1/2" (216mm) with ratchet



NEEDLE NOSE PLIERS
 KM 48-245 5 1/2" (140mm) for wire manipulation



FLAT NOSE PLIERS
 KM 48-246 5 1/2" (140mm) for wire manipulation



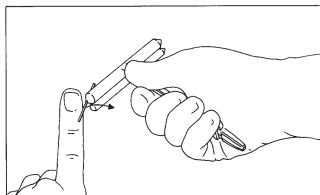
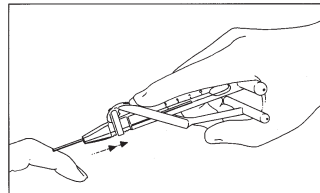
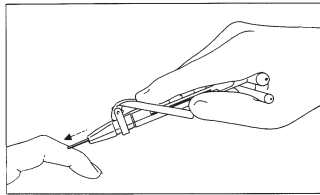
BUNNELL DRILL
 KM 48-392 5 3/4" (146mm) cannulated
 3-jaw chuck accepts wire up to 4.0mm (5/32") with key



RALKS DRILL
 KM 48-390 6" (152mm) cannulated
 offset handle, 3-jaw chuck accepts wire up to 6.35mm (1/4") with key

Vickers Easidriver™

Now you can drive, bend and pull K-Wire for a fraction of the cost of power equipment.



NO MANUAL DEVICE HAS EVER ACHIEVED THIS FUNCTION

For years, surgeons have sought a simple pin driver that could actually be fully controlled with one hand. The Vickers Easidriver™ leaves the other hand free to manipulate tissue, leaving the patient in better hands.

IDEAL BACK UP UNIT FOR OFFICE AND HOSPITAL

What do you use when your power equipment fails during surgery? Now you have the handy Vickers Easidriver™. Without loss of precious time, it is ready for use. In cases where power equipment is not indicated or available, the Vickers can become your primary driver, allowing for feel and control that power units don't offer.

Dr. Vickers, who developed the instrument, is a specialist in hand surgery and the Chairman of the Instrumentation and Equipment Committee of the International Federation of Societies for Surgery of the Hand.

VICKERS EASIDRIVER™
KM 46-540, 5½" (140mm)
German Stainless

- Single handed operation
- Chuckless
- Depthscale
- Wire bending facility
- No maintenance
- No Set-Up
- Autoclavable
- For wire from .028" to .062" (.7mm to 1.6mm)



- Precision manufactured in Germany from certified implant stainless steel.
- Longer, gently tapered points for easier penetration.
- Smoothly hand polished, causing less trauma when removed.
- Sold six (6) to the package.



Trocar Point

Diamond Point



Round End

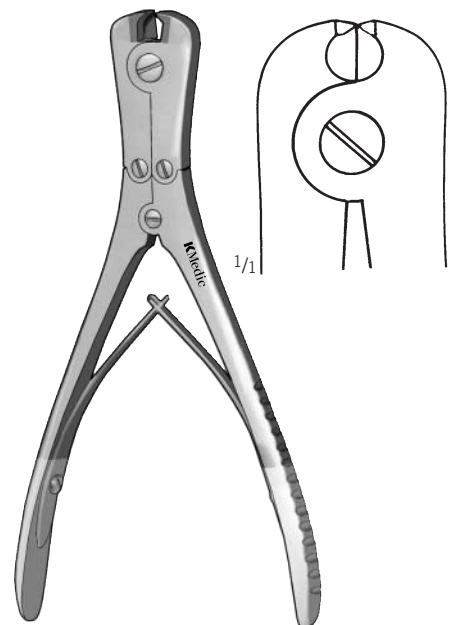
3 Shank End

KIRSCHNER WIRES

LENGTH	DIAMETER AND PRODUCT NUMBER				
	.028" (.7mm)	.035" (.9mm)	.045" (1.1mm)	.054" (1.4mm)	.062" (1.6mm)
DOUBLE END TROCER					
4" (102mm)	KM 71-100	KM 71-101	KM 71-102	KM 71-104	KM 71-103
9" (229mm)	KM 71-110	KM 71-111	KM 71-112	KM 71-114	KM 71-113
12" (305mm)	KM 71-120	KM 71-121	KM 71-122	KM 71-124	KM 71-123
SINGLE TROCER round end					
9" (229mm)	KM 71-150	KM 71-151	KM 71-152	KM 71-154	KM 71-153
12" (305mm)	KM 71-160	KM 71-161	KM 71-162	KM 71-164	KM 71-163
DOUBLE END DIAMOND					
9" (229mm)	KM 71-210	KM 71-211	KM 71-212	KM 71-214	KM 71-213
SINGLE DIAMOND round end					
9" (229mm)	KM 71-240	KM 71-241	KM 71-242	KM 71-244	KM 71-243

STEINMANN PINS

LENGTH	DIAMETER AND PRODUCT NUMBER					
	5/16" (2.0mm)	1/2" (2.4mm)	5/8" (2.8mm)	3/4" (3.2mm)	7/8" (3.5mm)	1" (25.4mm)
DOUBLE END TROCER						
9" (229mm)	KM 71-450	KM 71-453	KM 71-456	KM 71-459	KM 71-462	KM 71-465
SINGLE TROCER 3 shank end						
9" (229mm)	KM 71-480	KM 71-483	KM 71-486	KM 71-489	KM 71-492	KM 71-495
SINGLE TROCER round end						
9" (229mm)	KM 71-510	KM 71-513	KM 71-516	KM 71-519	KM 71-522	KM 71-525
DOUBLE END DIAMOND						
9" (229mm)	KM 71-600	KM 71-603	KM 71-606	KM 71-609	KM 71-612	KM 71-615
SINGLE DIAMOND 3 shank end						
9" (229mm)	KM 71-630	KM 71-633	KM 71-636	KM 71-639	KM 71-642	KM 71-645
SINGLE DIAMOND round end						
9" (229mm)	KM 71-660	KM 71-663	KM 71-666	KM 71-669	KM 71-672	KM 71-675



WIRE CUTTER

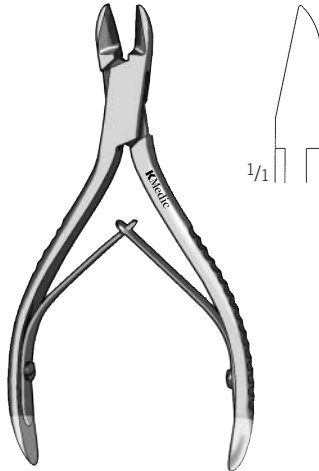
KM 46-625
7" (178mm) front and side cutting with carbide inserts, double action maximum capacity .062" (1.6mm)

For more wires and pins, refer to Section P in our Orthopedic Sourcebook™.

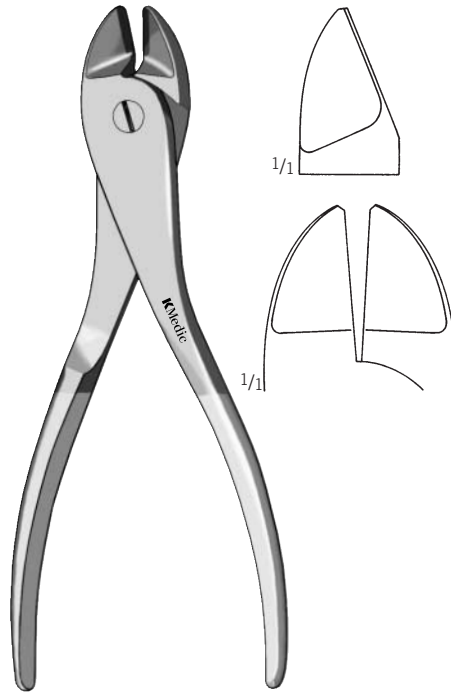
Note: To achieve the best results when cutting wire, follow these simple steps.

- Choose the appropriate cutter for the wire diameter you want to cut.
- Do not exceed the maximum capacity marked on each cutter.
- Cut the wire in the middle of the jaw—not on the edge or in the corner.
- When cutting, do not twist or turn the cutter.
- Protect from flying particles. The harder the metal, the farther the pieces can fly.

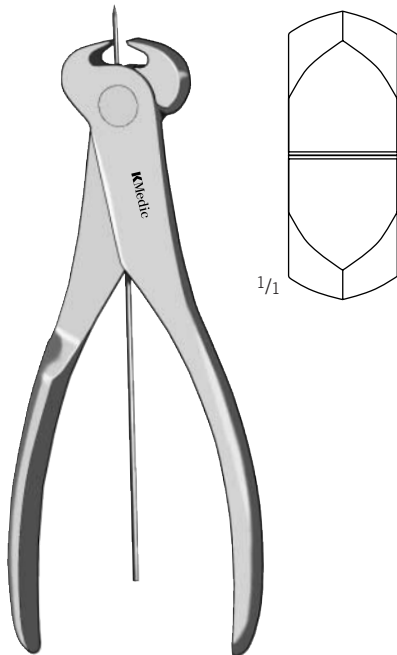
The cutting specifications given are for K-Wire and Steinmann Pins.



PEDIATRIC WIRE CUTTER
 KM 46-622
 4 3/4" (121mm) carbide inserts
 cuts up to .028" (0.7mm)

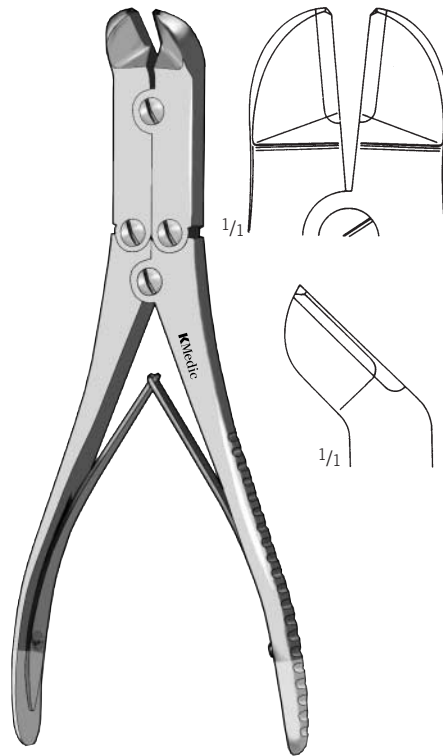


SIDE BITE WIRE CUTTER
 KM 46-621
 7" (178mm) welded carbide jaws
 cuts up to .062" (1.6mm)

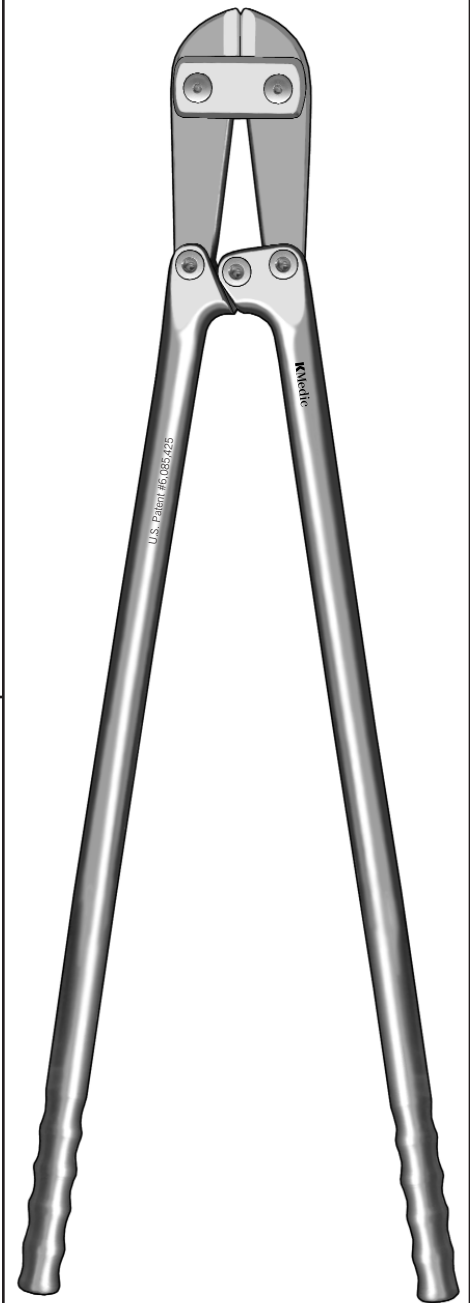


CANNULATED PIN CUTTER
 KM 46-647
 7 1/2" (191mm)
 cuts up to .062" (1.6mm)

Cannulation allows you to slide the cutter over the inserted wire. The piece cut off will be held inside the channel.



DOUBLE ACTION WIRE CUTTER
 KM 46-624
 8 1/2" (216mm) angled carbide inserts
 cuts up to 3/32" (2.4mm)



PIN CUTTER (LARGE)
 KM 46-626
 22" (559mm) side cutting
 cuts up to 1/4" (6.3mm)

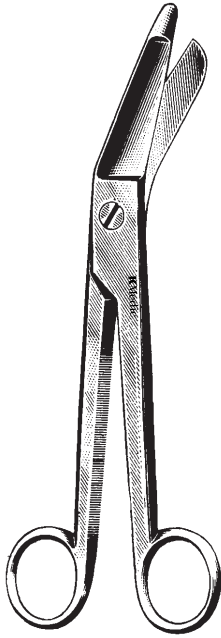
Note: This heavy duty cutter, engineered for us in Germany, gives you leverage like no other cutter on the market. The replaceable jaws are made of the highest grade tool steel and are able to cut Steinmann Pins up to 1/4" (6.3mm).

Not for use inside patient.

U.S. Patent #6,085,425

For our complete selection of wire and pin cutters, refer to Section Q in our Orthopedic Sourcebook™.

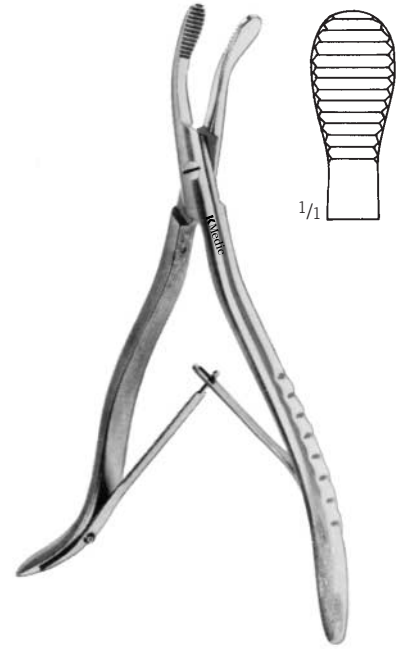
PLASTER CAST INSTRUMENTS



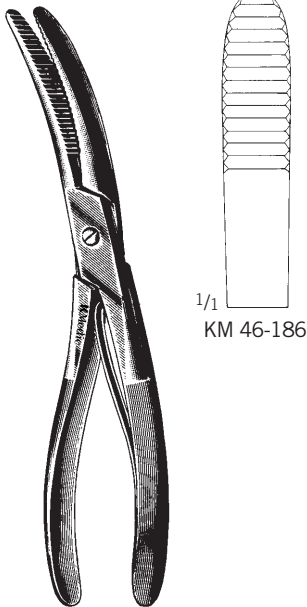
ESMARCH SHEARS
KM 46-060
8" (203mm)



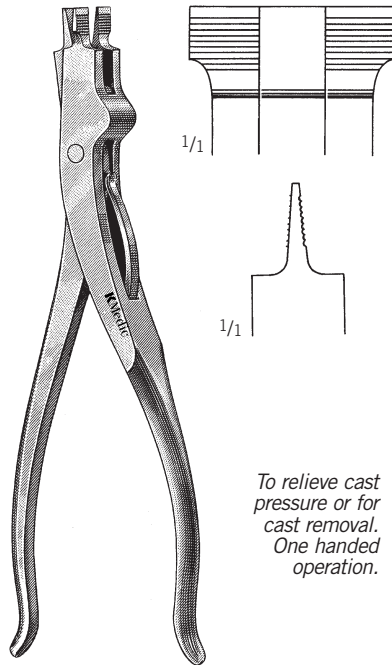
BRUNS SHEARS
KM 46-090
9 1/4" (235mm)
one serrated blade



PEDIATRIC CAST BREAKER
KM 46-188
7" (178mm)

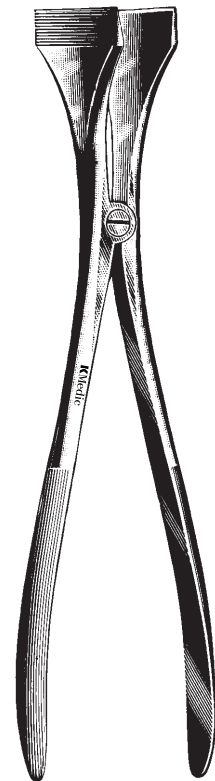


PLASTER EDGER WOLFF
KM 46-186 KM 46-184
7" (178mm) small 9 1/2" (241mm)



KMEDIC CAST SPREADER
KM 46-134
9" (229mm) serrated
3 prongs

To relieve cast pressure or for cast removal. One handed operation.



HENNIG PLASTER SPREADER
KM 46-138
11" (279mm)



PEDERSON SPECULUM

KM 64-278 small
 KM 64-280 medium
 KM 64-282 large



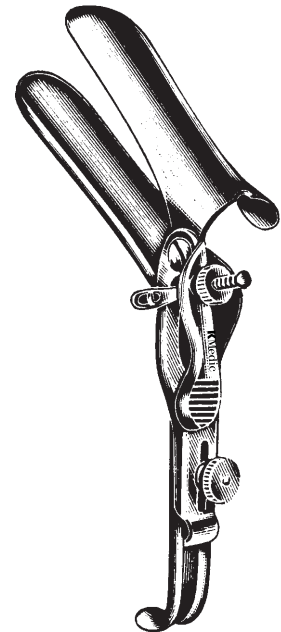
SLENDER PEDERSON SPECULUM

KM 64-288
 narrow blades



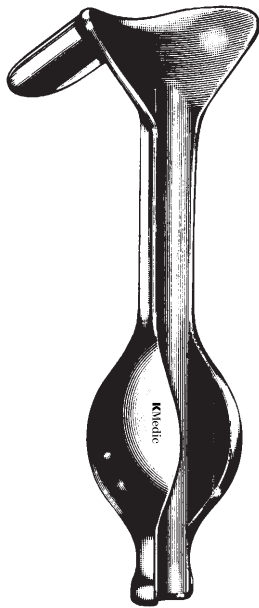
GRAVES SPECULUM

KM 64-256 small
 KM 64-262 medium
 KM 64-266 large

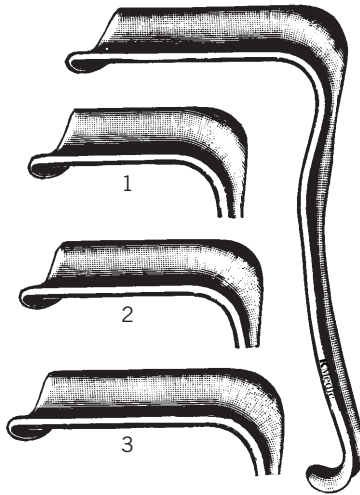


GRAVES OPEN SIDE SPECULUM

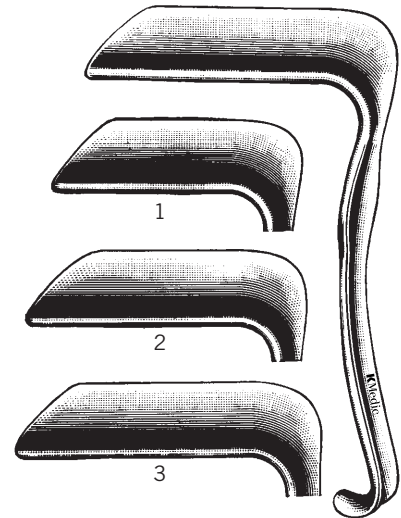
KM 64-290
 medium size
 wide angle blades



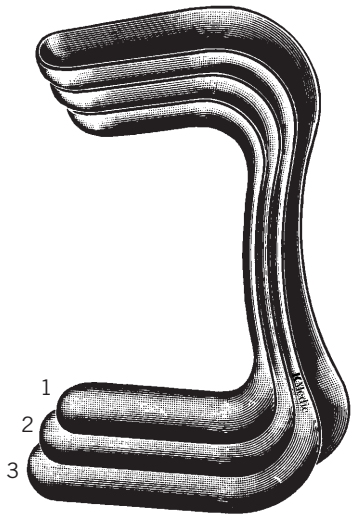
AUVARD VAGINAL SPECULA 9" (229mm)
 KM 64-328 1½" x 3¼", 2 lbs.
 (38mm x 83mm, 900 grams)
 KM 64-329 1½" x 3¼", 2½ lbs.
 (38mm x 83mm, 1,134 grams)
 KM 64-330 1½" x 3¼", 3 lbs.
 (38mm x 83mm, 1,361 grams)
 KM 64-332 1½" x 4", acute angle, 2½ lbs.
 (35mm x 102mm, 1,134 grams)



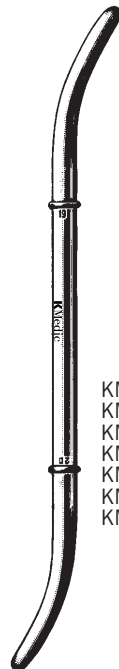
EASTMAN VAGINAL RETRACTOR
 7" (178mm)
 KM 64-410 #1 small
 KM 64-412 #2 medium
 KM 64-414 #3 large



JACKSON VAGINAL RETRACTOR
 7" (178mm)
 KM 64-402 #1 small
 KM 64-404 #2 medium
 KM 64-406 #3 large

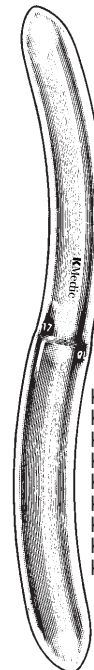


SIMS VAGINAL RETRACTOR double ended
 KM 64-420 #1 small
 KM 64-422 #2 medium
 KM 64-424 #3 large



KM 64-566 size 9 & 10
 KM 64-568 size 11 & 12
 KM 64-574 size 13 & 14
 KM 64-580 size 15 & 16
 KM 64-584 size 17 & 18
 KM 64-592 size 19 & 20
 KM 64-562 set of six in a case

HANK UTERINE DILATORS 11" (279mm)
 double ended



KM 64-616 size 3mm & 4mm
 KM 64-618 size 5mm & 6mm
 KM 64-624 size 7mm & 8mm
 KM 64-630 size 9mm & 10mm
 KM 64-634 size 11mm & 12mm
 KM 64-642 size 13mm & 14mm
 KM 64-648 size 15mm & 16mm
 KM 64-650 size 17mm & 18mm
 KM 64-604 set of eight in a case

HEGAR UTERINE DILATORS 8" (203mm)
 double ended



KM 64-662 size 13 & 15 french
 KM 64-666 size 17 & 19 french
 KM 64-670 size 21 & 23 french
 KM 64-674 size 25 & 27 french
 KM 64-678 size 29 & 31 french
 KM 64-702 size 33 & 35 french
 KM 64-706 size 37 & 39 french
 KM 64-710 size 41 & 43 french
 KM 64-658 set of eight in a case
 1 french = .33mm

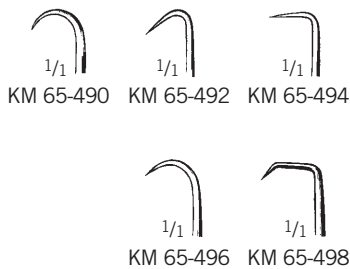
PRATT UTERINE DILATORS
 11½" (292mm)
 double ended



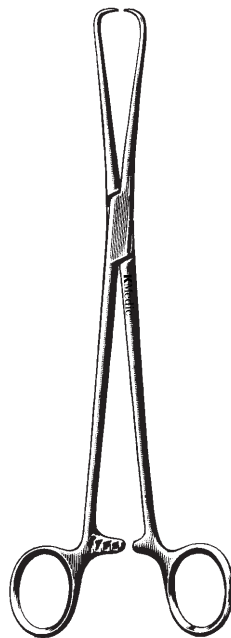
SIMS UTERINE SOUND
 KM 65-474
 13" (330mm) cm scale
 malleable
 silver plated



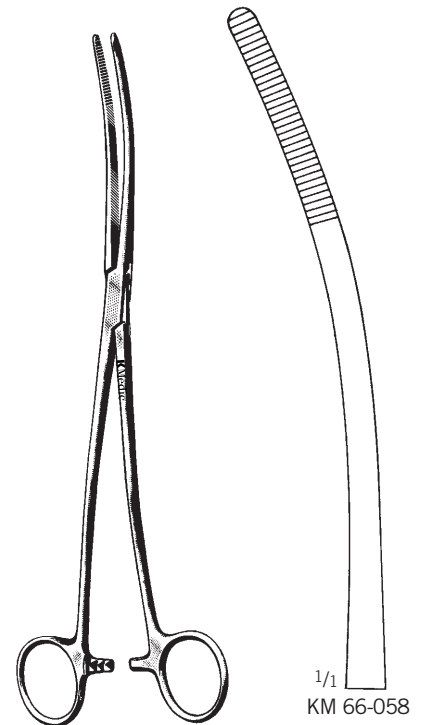
SIMPSON UTERINE SOUND
 13" (330mm)
 malleable silver plated
 KM 65-468 inch scale
 KM 65-470 cm scale



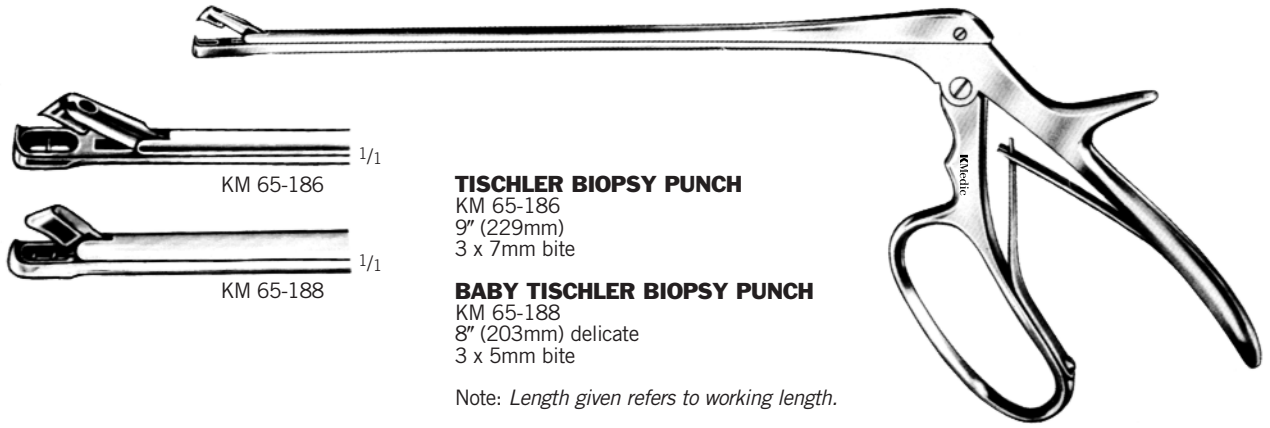
EMMETT UTERINE TENACULUM HOOK
 9" (229mm)
 KM 65-490 #1 narrow curved
 KM 65-492 #2 acute angle
 KM 65-494 #3 right angle
 KM 65-496 #4 wide curved
 KM 65-498 #5 double angle



SCHROEDER TENACULUM FORCEPS
 KM 66-268 9½" (241mm)
 KM 66-274 9½" (241mm) S-shape



BOZEMANN UTERINE DRESSING FORCEPS
 KM 66-056 10¼" (260mm) straight
 KM 66-058 10¼" (260mm) curved



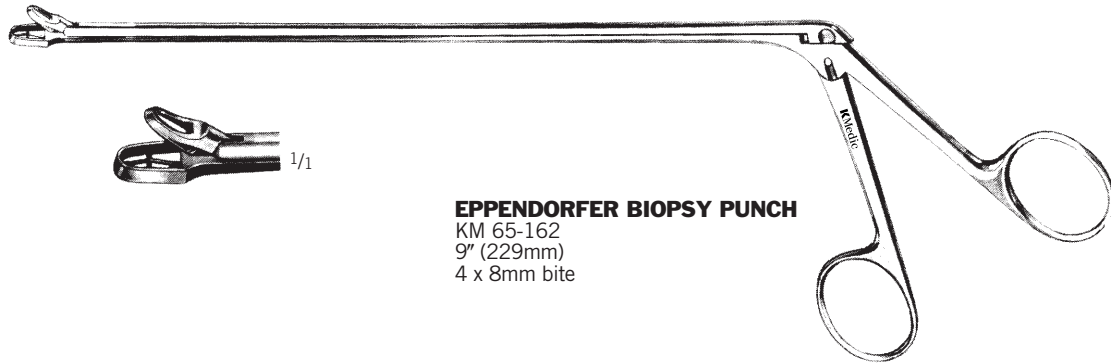
TISCHLER BIOPSY PUNCH

KM 65-186
9" (229mm)
3 x 7mm bite

BABY TISCHLER BIOPSY PUNCH

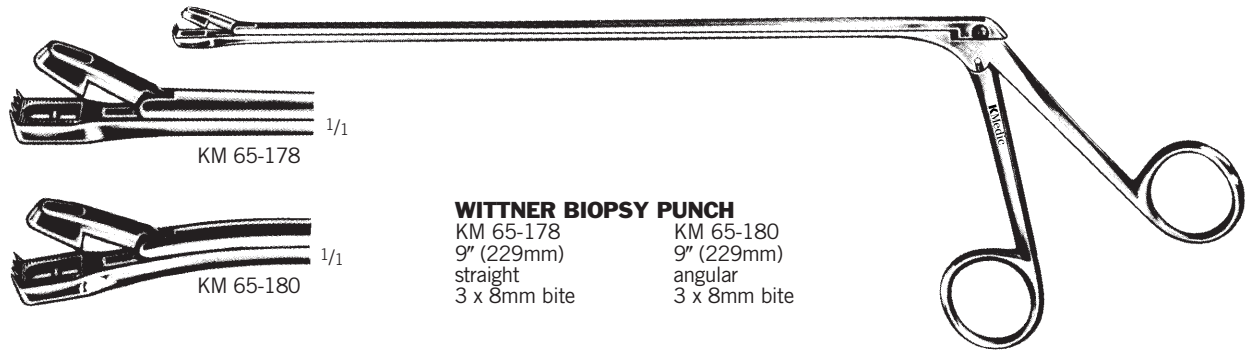
KM 65-188
8" (203mm) delicate
3 x 5mm bite

Note: Length given refers to working length.



EPPENDORFER BIOPSY PUNCH

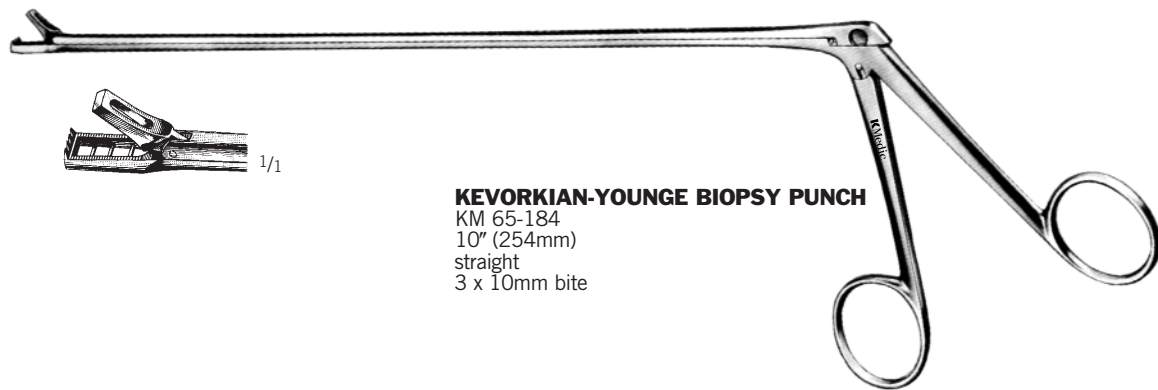
KM 65-162
9" (229mm)
4 x 8mm bite



WITTNER BIOPSY PUNCH

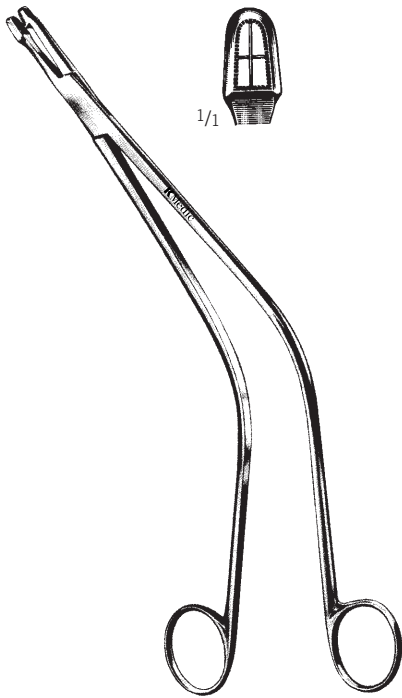
KM 65-178
9" (229mm)
straight
3 x 8mm bite

KM 65-180
9" (229mm)
angular
3 x 8mm bite



KEVORKIAN-YOUNGE BIOPSY PUNCH

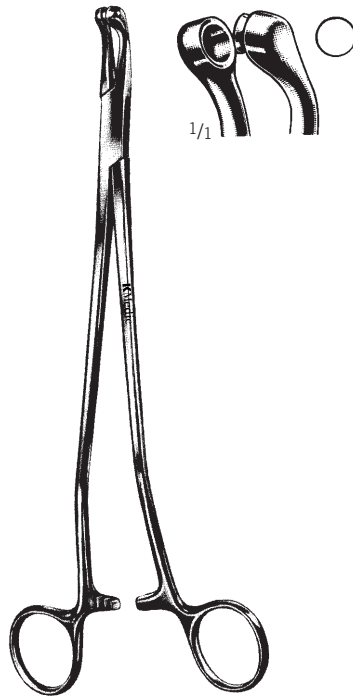
KM 65-184
10" (254mm)
straight
3 x 10mm bite



KM 65-118

SCHUBERT BIOPSY PUNCH

KM 65-115	KM 65-118
8½" (216mm)	10½" (267mm)
straight	angular
4 x 8mm bite	4 x 8mm bite



THOMS-GAYLOR BIOPSY PUNCH

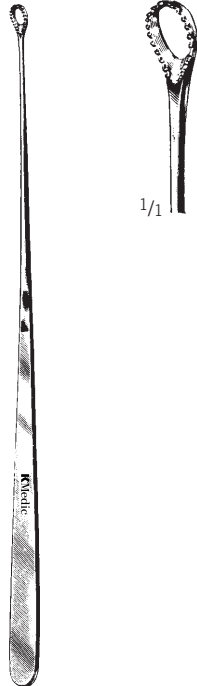
KM 65-084
9½" (241mm) interfitted jaw
5mm cup



KEVORKIAN-YOUNGE ENDOCERVICAL BIOPSY CURETTE 12" (305mm)

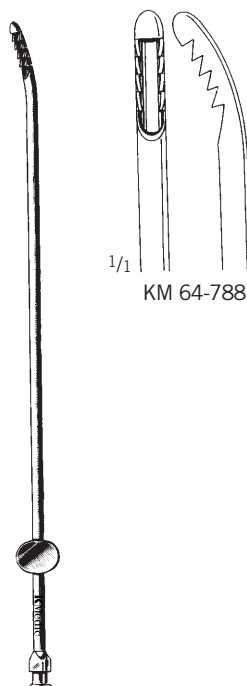
KM 64-796
without basket
3 x 12mm sharp tip

KM 64-802
with basket
3 x 12mm sharp tip



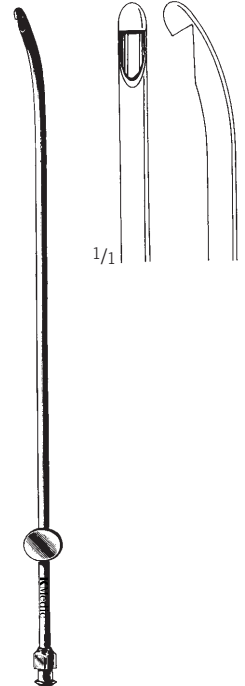
HEANEY UTERINE BIOPSY CURETTE

KM 64-764
9" (229mm)
serrated



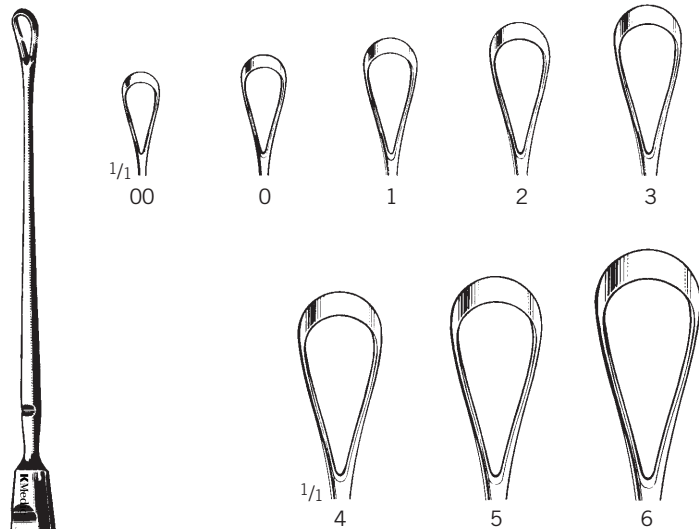
NOVAK SUCTION BIOPSY CURETTE

KM 64-786	KM 64-788
9½" (241mm)	9½" (241mm)
2mm diameter	4mm diameter



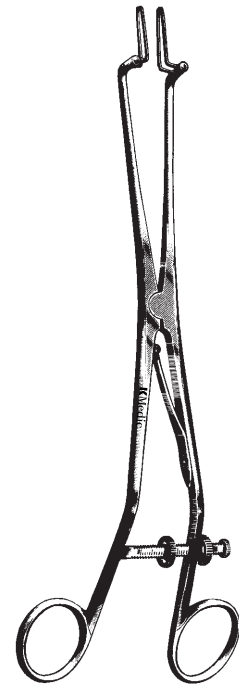
RANDALL SUCTION BIOPSY CURETTE

KM 64-808
9¾" (248mm)
4mm diameter

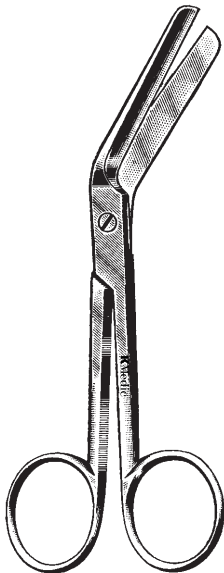


- KM 65-347 #00
- KM 65-349 #0
- KM 65-351 #1
- KM 65-353 #2
- KM 65-355 #3
- KM 65-357 #4
- KM 65-359 #5
- KM 65-361 #6

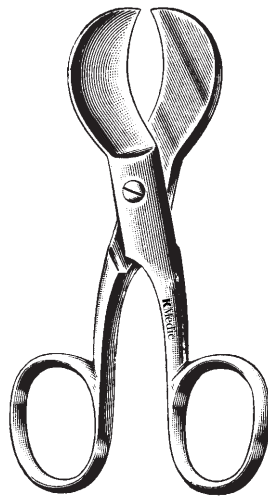
SIMS UTERINE CURETTE 11" (279mm) malleable sharp



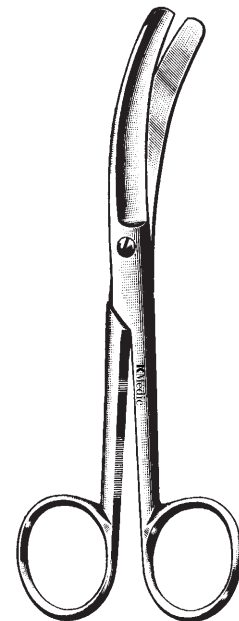
KOGAN ENDOCERVICAL SPECULUM
KM 64-830
9½" (241mm) with gauge and
set screw 7 x 25mm jaws



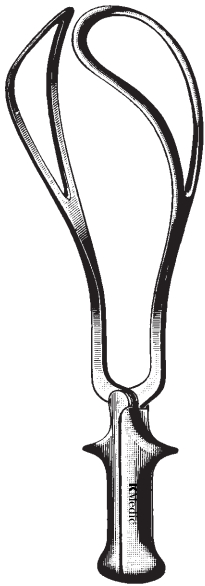
BRAUN EPISIOTOMY SCISSORS
KM 34-502 KM 34-504
5½" (140mm) 8½" (216mm)
angled sideways angled sideways



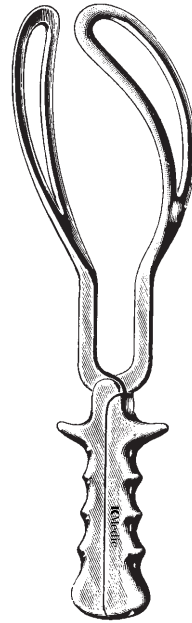
UMBILICAL SCISSORS
KM 67-292
4¼" (108mm)



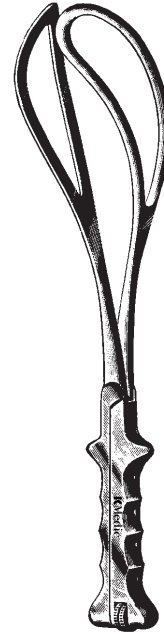
BUSCH UMBILICAL SCISSORS
KM 67-294
6½" (165mm)
curved sideways



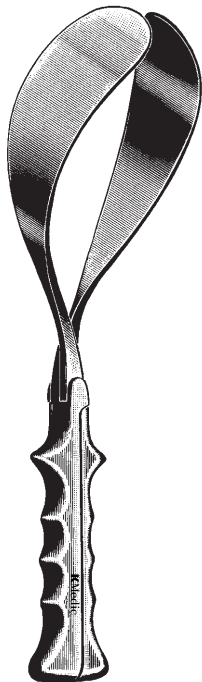
DE LEE OBSTETRICAL FORCEPS
fenestrated blades
KM 67-498 KM 67-500
12" (305mm) 14" (356mm)
short model long model



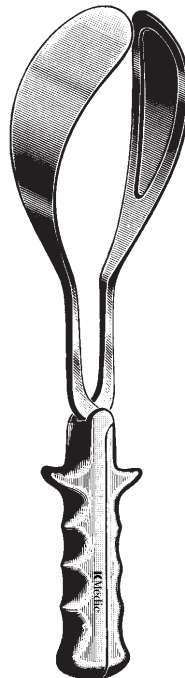
SIMPSON OBSTETRICAL FORCEPS
fenestrated blades
KM 67-502 KM 67-504
12" (305mm) 14" (356mm)
short model long model



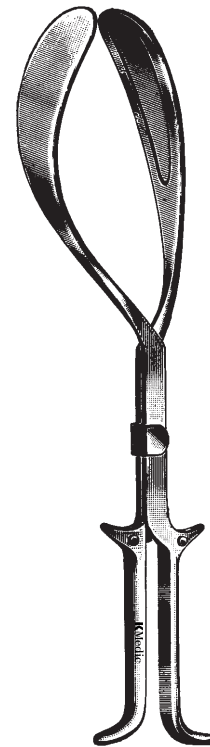
ELLIOT OBSTETRICAL FORCEPS
fenestrated blades
KM 67-509 KM 67-511
12½" (317mm) 15" (381mm)
short model long model



MCLEAN OBSTETRICAL FORCEPS
KM 67-516
14" (356mm) solid blades, short shanks

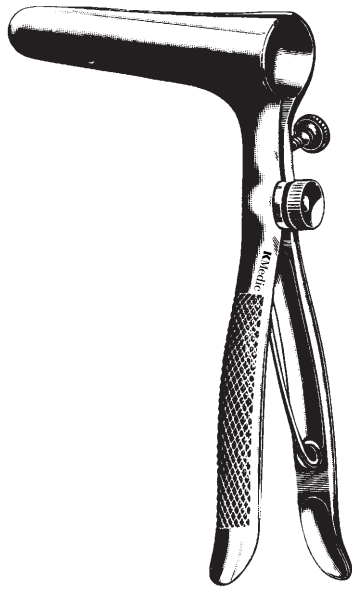


SIMPSON-LUIKART OBSTETRICAL FORCEPS
KM 67-526
14" (356mm) solid blades



KIELLAND-LUIKART OBSTETRICAL FORCEPS
KM 67-520
15½" (394mm) solid blades

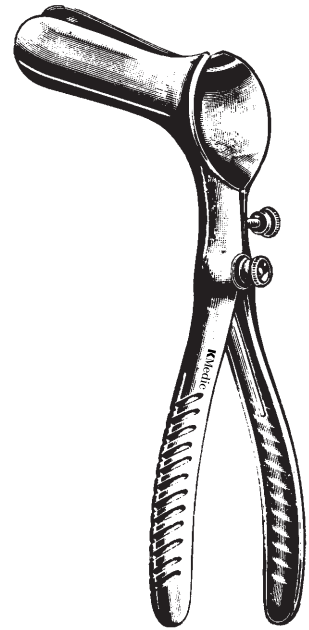
RECTAL INSTRUMENTS

**BODENHAMMER RECTAL SPECULUM**

KM 63-300
6" (152mm) long with set screw
3½" x ¾" (89mm x 19mm)
solid blades

**SIMS RECTAL SPECULUM**

KM 63-304
6" (152mm) long with set screw
3½" x ⅝" (89mm x 16mm)
fenestrated blades

**PRATT RECTAL SPECULUM**

KM 63-312
8½" (216mm) long with set screw
3½" x 1" (89mm x 25mm)
solid blades

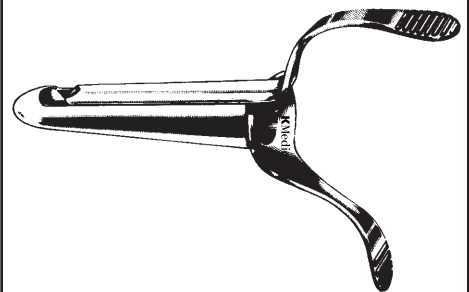
**FANSLER-IVES RECTAL SPECULUM**

KM 63-318
chrome with obturator
3½" long x 1½"
(82mm x 29mm)
outside diameter

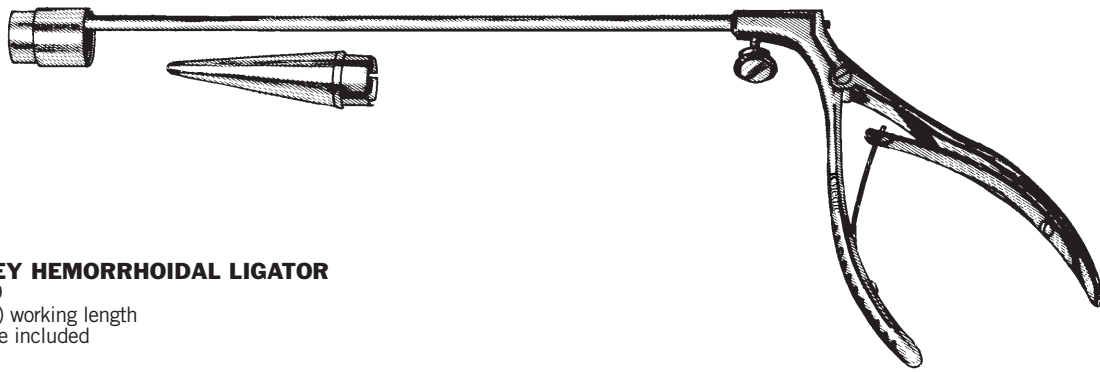
KM 63-319
obturator only

**HIRSCHMAN RECTAL ANOSCOPE**

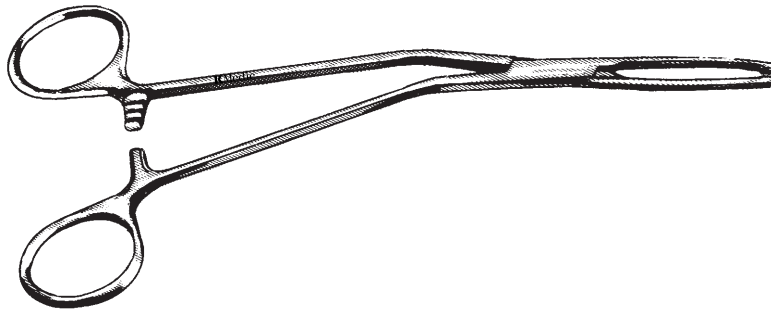
KM 63-330 small, 2¼" (57mm) long x
⅝" (14mm) inside diameter
KM 63-332 medium, 2⅝" (67mm) long x
⅞" (18mm) inside diameter
KM 63-334 large, 3½" (89mm) long x
1" (22mm) inside diameter

**BRINKERHOFF RECTAL SPECULUM**

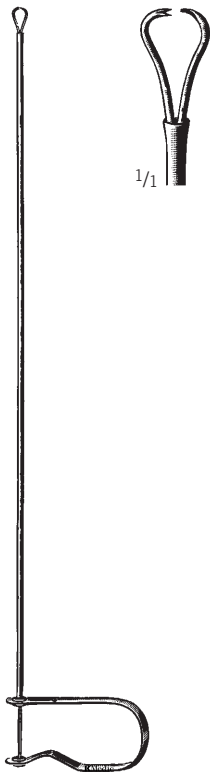
KM 63-350 small, 3½" (89mm) long x
1" (25mm) tapers to ½" (13mm)
KM 63-352 medium, 4" (102mm) long x
1" (25mm) tapers to ⅝" (16mm)
KM 63-354 large, 4¾" (121mm) long x
1¼" (32mm) tapers to ¾" (19mm)



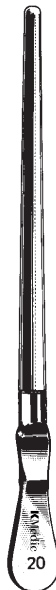
MCGIVNEY HEMORRHOIDAL LIGATOR
 KM 63-479
 7" (178mm) working length
 loading cone included



MCGIVNEY FORCEPS
 KM 63-503
 7½" (191mm) angled shanks



COTTON CARRIER
 KM 63-382
 15" (381mm) shaft
 2x3 teeth, spring handle



- KM 64-008 8 french
 - KM 64-010 10 french
 - KM 64-012 12 french
 - KM 64-014 14 french
 - KM 64-016 16 french
 - KM 64-018 18 french
 - KM 64-020 20 french
 - KM 64-022 22 french
 - KM 64-024 24 french
 - KM 64-026 26 french
 - KM 64-028 28 french
 - KM 64-030 30 french
 - KM 64-032 32 french
 - KM 64-034 34 french
- 1 french = .33mm

DITTEL URETHRAL SOUNDS



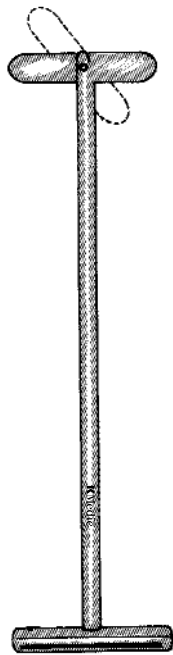
- KM 64-108 8 french
 - KM 64-110 10 french
 - KM 64-112 12 french
 - KM 64-114 14 french
 - KM 64-116 16 french
 - KM 64-118 18 french
 - KM 64-120 20 french
 - KM 64-124 22 french
 - KM 64-126 24 french
 - KM 64-128 26 french
 - KM 64-130 28 french
 - KM 64-132 30 french
 - KM 64-134 32 french
 - KM 64-136 34 french
 - KM 64-106 set of 12 in a case (sizes 8-30)
- 1 french = .33mm

VAN BUREN URETHRAL SOUNDS
 11" (279mm) curved

MISCELLANEOUS



BUNT FORCEPS HOLDER
KM 39-670



KMEDIC FORCEPS HOLDER
KM 39-672 6" (152mm)
KM 39-674 12" (305mm)



INSTRUMENT CLEANING BRUSH
7" (178mm)
KM 39-682 wire set of three
KM 39-684 nylon set of three



RULER inch and mm graduated
KM 39-692 6" (152mm) flexible
KM 39-694 8" (203mm) flexible
KM 39-698 12" (305mm) flexible
KM 39-700 20" (508mm) flexible

Sterilize, identify, move and store all your instruments together in these stainless steel containers. Steam and gas sterilization. Removable lid can double up as a tray. Engravable tags for easy identification. Check the size of your autoclave chamber before ordering. Recommend to replace the cloth inserts every six months.



STERILIZING CONTAINER
KM 46-544 small
9" x 5" x 2" (229mm x 127mm x 51mm)
KM 46-545 medium
11" x 9" x 2" (279mm x 229mm x 51mm)
KM 46-547 large
20" x 8" x 2" (508mm x 203mm x 51mm)
(not pictured)

REPLACEMENT CLOTH INSERTS
KM 46-546 28" x 28" (711mm x 711mm)

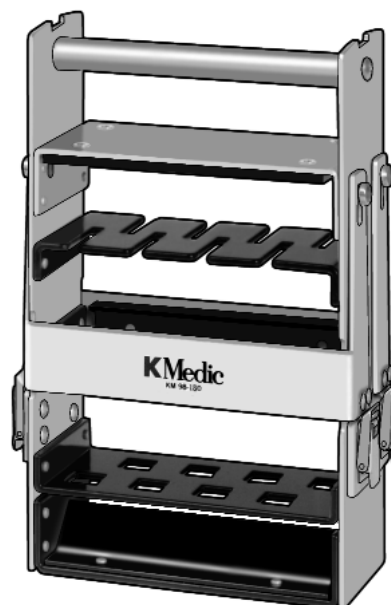
COVER TOWEL cotton
KM 46-544P small
KM 46-545P medium

SILICONE MAT
KM 98-125
fits tray KM 46-544

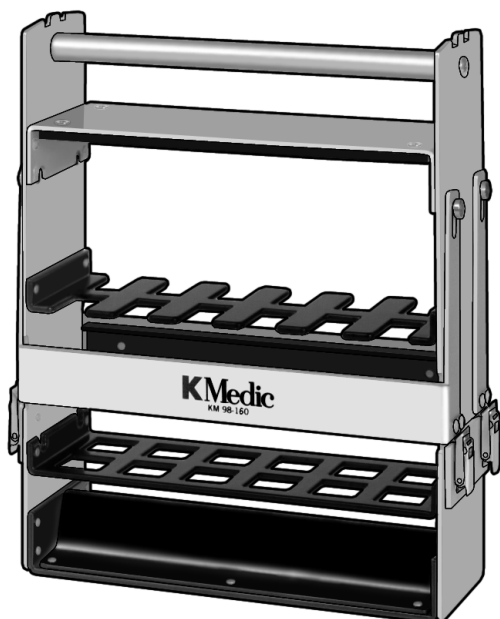
Lightweight racks for sterilization and storage

- Nylon coated brackets help avoid metal to metal contact.
- Plastic plate on underside of top bracket helps protect sharp tips from being damaged.
- Side arm stays locked to help prevent instruments from falling out, even when turned upside down.
- Deep brackets hold instruments in place.
- Custom designed base keeps instruments upright during loading and unloading.
- Reinforced, sturdier frames are made from corrosion-resistant anodized aluminum.
- Fully autoclavable to 270°F.
- Quick reference chart easily identifies the type and size instrument rack holds.
- Patented design manufactured only by KMedic.

See page 76 for detailed descriptions of KMedic instruments held in each SmartRack®.



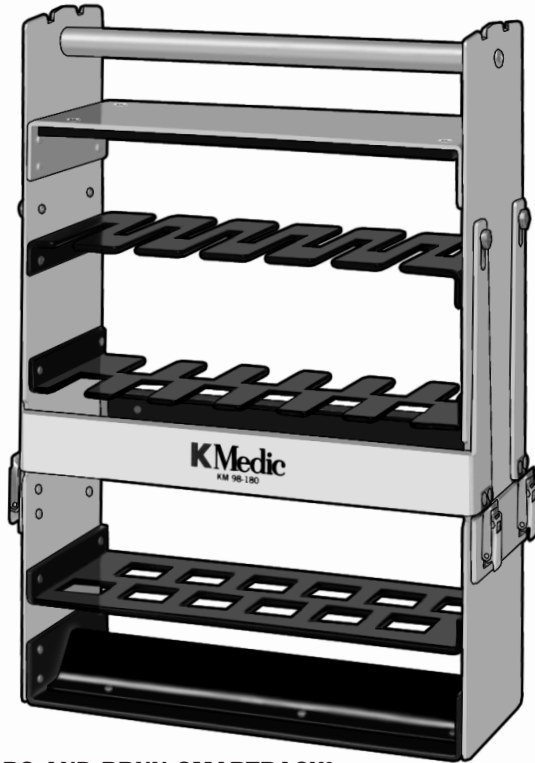
HOKE SMARTRACK®
 KM 98-150
 8 3/4" x 5" x 2 1/4"
 (210mm x 127mm x 57mm)
 Holds eight 5 1/4" (133mm) KMedic
 Hoke Chisels or Osteotomes



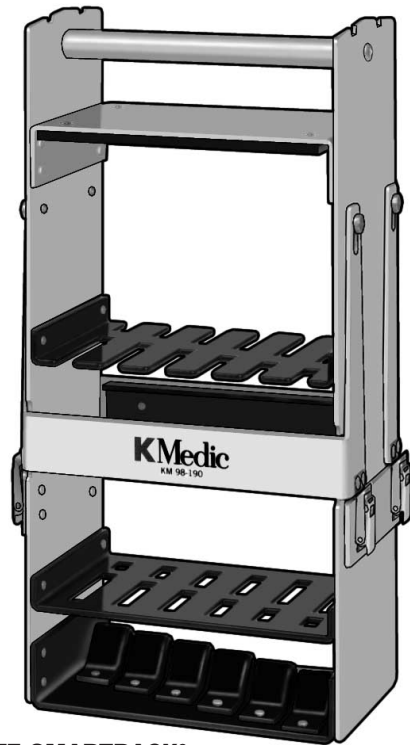
BRUN SMARTRACK®
 KM 98-160
 9 3/4" x 8 1/2" x 2 3/4"
 (248mm x 216mm x 70mm)
 Holds twelve 7" (178mm) KMedic
 Brun Curettes



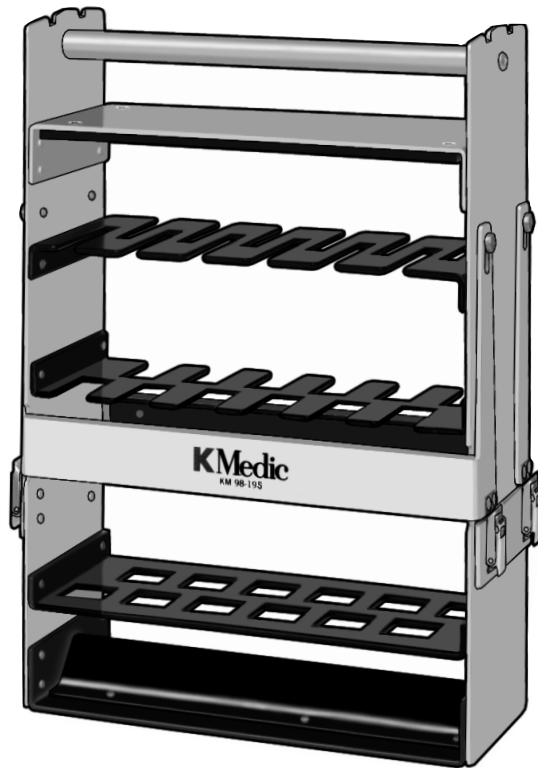
COBB SMARTRACK®
 KM 98-170
 13 3/4" x 14 1/2" x 3"
 (349mm x 368mm x 76mm)
 Holds nine 11" (279mm) KMedic
 Cobb Curettes, Elevators or Gouges



HIBBS AND BRUN SMARTRACK®
 KM 98-180
 12" x 9" x 3 1/4"
 (305mm x 229mm x 83mm)
 Holds twelve 9" (229mm) KMedic Brun Currettes,
 Hibbs Chisels, Gouges or Osteotomes



LAMBOTTE SMARTRACK®
 KM 98-190
 11 3/4" x 6 1/4" x 3 1/2"
 (298mm x 159mm x 89mm)
 Holds twelve 9" (229mm) KMedic
 Lambotte Osteotomes



SMITH PETERSON SMARTRACK®
 KM 98-195
 11" x 10" x 4"
 (279mm x 254mm x 102mm)
 Holds fourteen 8" (203mm) KMedic Smith
 Peterson Osteotomes or Gouges

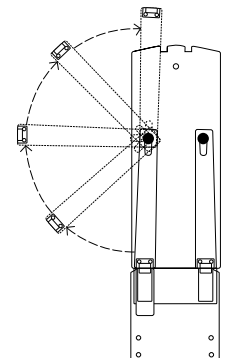
SmartRacks®

Exclusive KMedic design protects sharp edges better.

SmartRacks® are built to last!
 Outside frame is made from corrosion-resistant anodized aluminum and double riveted. Fully autoclavable to 270°F.

Side gates stay open during loading and unloading. Notches in the top of each panel keep side gates up and out of the way.

Delicate tips are protected. A plastic plate attached to the top bracket prevents metal to metal contact—even when the racks are turned upside down.

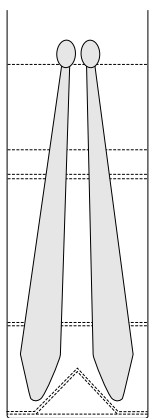


User-friendly side gates stay locked. Nylon coated gates are secured in place with side latches—reduces accidental opening.

Cross brackets hold instruments better. Positioning slots are deeper and hold instruments securely.



No metal to metal contact. Instrument slots are covered with nylon to help prevent scratching and maintain instrument quality.



Easy to load and unload. Our unique “A” frame base forces instruments to lean into the rack—not out. Racks can go from the autoclave to the O.R. where instruments can be removed one at a time.

SmartRacks® save time. Product number and content charts are printed on top of racks. This makes instrument-to-rack identification quick and easy.

DESCRIPTION	INSTRUMENTS HELD IN EACH RACK
<p>HOKE SMARTRACK® KM 98-150 8³/₄" x 5" x 2¹/₄" (210mm x 127mm x 57mm)</p>	<p>Eight 5¹/₄" (133mm) KMedic Hoke Chisels or Osteotomes Hoke Chisels – KM 46-505 thru KM 46-509 Hoke Osteotomes – KM 46-497 thru KM 46-504 KM 46-700 thru KM 46-709</p>
<p>BRUN SMARTRACK® KM 98-160 9³/₄" x 8¹/₂" x 2³/₄" (248mm x 216mm x 70mm)</p>	<p>Twelve 7" (178mm) KMedic Brun Curettes KM 46-511 thru KM 46-531</p>
<p>COBB SMARTRACK® KM 98-170 13³/₄" x 14¹/₂" x 3" (349mm x 368mm x 76mm)</p>	<p>Nine 11" (279mm) KMedic Cobb Curettes, Elevators or Gouges Curettes – KM 46-422 thru KM 46-441 Elevators – KM 46-413 thru KM 46-420 Gouges – KM 49-030 thru KM 49-036</p>
<p>HIBBS AND BRUN SMARTRACK® KM 98-180 12" x 9" x 3¹/₄" (305mm x 229mm x 83mm)</p>	<p>Twelve 9" (229mm) KMedic Brun Curettes, Hibbs Chisels, Gouges or Osteotomes Brun Curettes – KM 46-551 thru KM 46-559, KM 46-563 thru KM 46-571, KM 49-110 thru KM 49-118, and KM 49-150 thru KM 49-158 Hibbs Chisels – KM 49-059 thru KM 49-082 Hibbs Gouges – KM 46-387 thru KM 46-412 Hibbs Osteotomes – KM 46-359 thru KM 46-384</p>
<p>LAMBOTTE SMARTRACK® KM 98-190 11³/₄" x 6¹/₄" x 3¹/₂" (298mm x 159mm x 89mm)</p>	<p>Twelve 9" (229mm) KMedic Lambotte Osteotomes KM 46-304 thru KM 46-322 KM 46-328 thru KM 46-333</p>
<p>SMITH PETERSON SMARTRACK® KM 98-195 11" x 10" x 4" (279mm x 254mm x 102mm)</p>	<p>Fourteen 8" (203mm) KMedic Smith Peterson Osteotomes or Gouges Smith Peterson Osteotomes – KM 46-448 thru KM 46-463 Smith Peterson Gouges – KM 46-466 thru KM 46-495</p>

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KM 64-642	64	KM 67-294	68	KM 71-214	60		
KM 64-648	64	KM 67-498	69	KM 71-240	60		

Ruler MM and Inches

Conversions:

Inches to MM

Multiply the inch dimension by 25.4 to obtain the size in millimeters.

MM to Inches

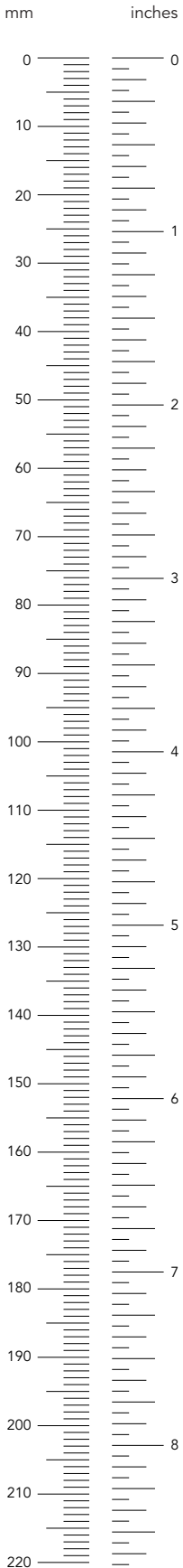
Multiply the millimeter dimension by .0394 or divide by 25.4 to obtain the size in inches.

Fahrenheit to Centigrade or Celsius Degrees

Subtract 32 from Fahrenheit temperature. Multiply result by 5. Divide result by 9.

Celsius or Centigrade to Fahrenheit

Multiply Centigrade temperature by 9. Divide result by 5. Add to 32.



What to look for in a KMedic Certified Instrument.

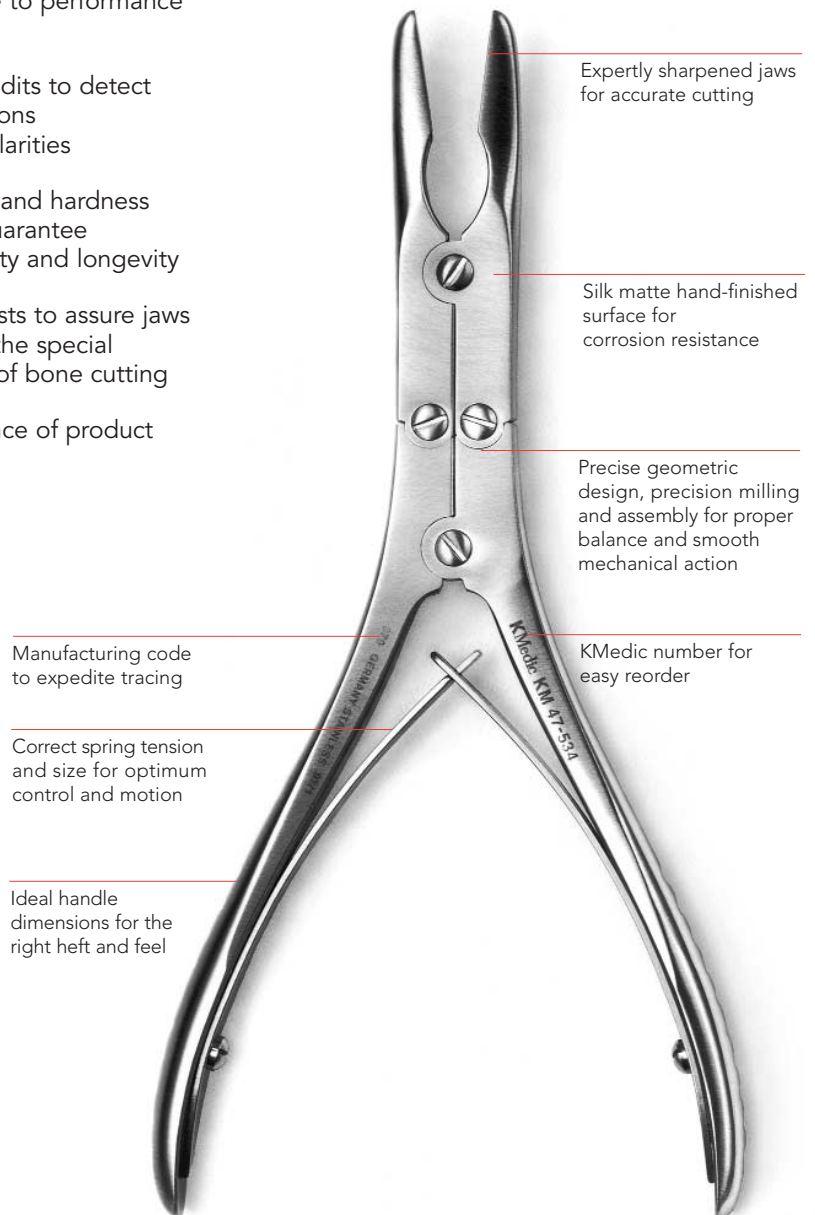
On the surface it's difficult to tell one instrument from another. But in fact, many qualities distinguish KMedic Certified Instruments from those of other manufacturers. Our instruments are the product of a working knowledge of the surgeon's art, exacting manufacturing specifications and strict adherence to our Quality Assurance Program. From its origins as an idea, to the crafting of the prototype, to its appearance on a surgical tray, it takes approximately 80 steps to create a KMedic Certified Instrument. Every finished instrument is the result of years of performance monitoring and continual improvements. Which is why we guarantee every KMedic Certified Instrument for life.

At every stage of the manufacturing process superior quality is built into our instruments. Nevertheless before our instruments find themselves in a surgeon's

hand, they are subject to an inspection process that includes:

- Visual inspection against a master sample to assure pattern consistency
- Exacting caliper and micrometer measurements of critical dimensions
- Function tests to ensure adherence to performance standards
- Surface audits to detect imperfections and irregularities
- Corrosion and hardness tests to guarantee functionality and longevity
- Cutting tests to assure jaws will meet the special demands of bone cutting
- Maintenance of product history

The Ruskin Rongeur, shown here, is typical of KMedic craftsmanship. From its perfect symmetry to its glare-diminishing finish, it provides surgeons with the qualities they require to perform at their best. A closer inspection reveals:



KMedic®

KMedic[®]

**Orthopedic
Surgical
Instruments**

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