

# Foot and Ankle Sourcebook

Instruments  
for  
Surgeons



**K**Medic®

## **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 podiatric and orthopedic communities 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.

## **KMedic and The Podiatry Institute®**

KMedic and The Podiatry Institute share a special relationship, one marked by a commitment to the advancement of foot and ankle care. The Podiatry Institute conducts ongoing research and development with the goal of improving instruments and their applications in podiatric surgery. KMedic is proud to be the exclusive licensed producer of instruments designed or modified by The Podiatry Institute.

Wherever you see the logo of The Podiatry Institute, it signifies that the instrument has been approved by, and a royalty is paid to, The Podiatry Institute.



## **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.

### **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.

## About this Edition

With our latest edition of the KMedic Foot and Ankle Sourcebook™, we offer surgeons more than 1,000 instruments for foot and ankle procedures. In the following pages, you'll find an unmatched selection of the finest quality instruments. To facilitate your search for the right instrument, you'll find in the back of this Sourcebook, both an alphabetical and a numerical index. We recommend you use it to quickly locate the instruments you're seeking.

Every instrument in this Sourcebook conforms to the uncompromising standards that characterize KMedic Certified Instruments.

Please keep in mind that the illustrations in this Sourcebook 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  $\frac{1}{4}$  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](http://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, please contact either your KMedic Representative or KMedic.

To receive more information on new products and promotions, or to send us an e-mail, visit our web site @ [www.kmedic.com](http://www.kmedic.com).

In addition to the KMedic Foot and Ankle Sourcebook™, we also publish the KMedic Orthopedic Sourcebook™, the KMedic Spinal Sourcebook™, the KMedic Hand Sourcebook™ and the KMedic General Instrument 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 nail splitter 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. 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:

Splitters, nippers and 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 as well as with The Podiatry Institute. Some examples of our collaboration with The Podiatry Institute include, the P.I. Cox Metatarsal Spreader and the Gratloch Wire Bender™.

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.



Blair Engelken  
President  
KMedic




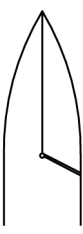






**KMedic**<sup>®</sup>

# KMedic Nail Splitters and Nippers

- Nail splitters and nippers are designed for a particular purpose and should only be used for that purpose. See pages v and vi for important information on Instrument Care and Longevity.
- Routine maintenance, such as sharpening and spring replacement, is needed and helps extend the life of your instruments. See page iv for information on our Instrument Maintenance and Repair Program.
- Replacement springs are available. To order, contact Customer Service and refer to the corresponding product number.
- Springs are guaranteed for one year.













**NAIL SPLITTER**

				
1/1				
				
1/1				
KM 69-320 4" stainless	KM 69-322 4½" stainless	KM 69-326 5" heavy jaw stainless	KM 69-327 5" narrow jaw stainless	KM 69-340 6" stainless
KM 69-316 4" chrome single spring	KM 69-321 4½" chrome single spring	KM 69-323 5" heavy jaw chrome single spring	KM 69-324 5" narrow jaw chrome single spring	KM 69-328 6" chrome single spring



**NAIL SPLITTER**

				
1/1				
				
1/1				
KM 69-341 4" tapered stainless	KM 69-342 4½" tapered stainless	KM 69-343 5" tapered stainless	KM 69-344 6" tapered stainless*	KM 69-448 4½" delicate stainless*

\*Ideal for use in P/A.

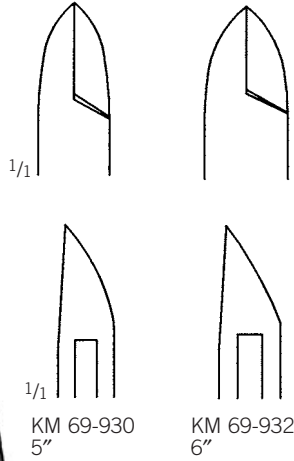
*Our splitters have the true feel of superb craftsmanship. The cutting edge is expertly ground and specially heat treated. For a sure grip, our stainless splitters come with grooved handles.*

# NAIL SPLITTERS AND TISSUE NIPPERS

*Short jaw design provides increased leverage for easier cutting of thick nails – less strain on hand and splitter.*



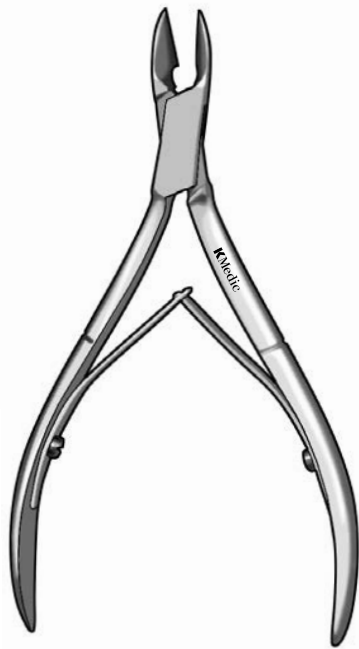
**P.I. SHORT JAW NAIL SPLITTER**  
stainless



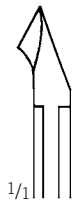
*Very delicate anvil design slides easily under nails.*



**INGROWN NAIL FORCEPS**  
KM 69-348  
5" anvil pattern  
narrow blade  
stainless

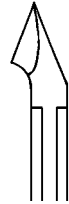


**TISSUE NIPPER**



KM 69-290  
4", 6mm  
stainless

KM 69-276  
4", 6mm chrome  
single spring



KM 69-291  
4", 9mm  
stainless

KM 69-278  
4", 9mm chrome  
single spring



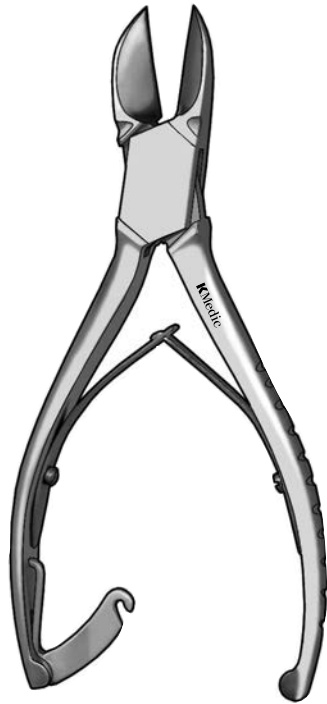
KM 69-292  
4 1/2", 11mm  
stainless

KM 69-293  
4 1/2", 11mm chrome  
single spring

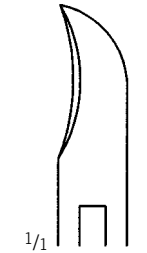
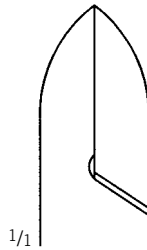


KM 69-294  
5", 14mm  
stainless

KM 69-295  
5", 14mm chrome  
single spring

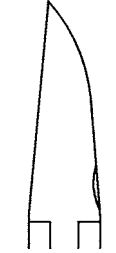


**NAIL NIPPER** heavy



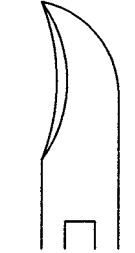
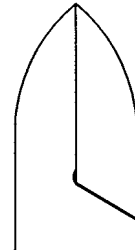
KM 69-430  
5 1/2" concave  
stainless

KM 69-428  
5 1/2" concave  
chrome

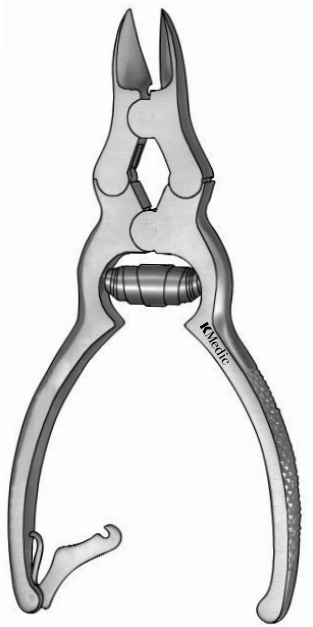


KM 69-432  
5 1/2" straight  
stainless

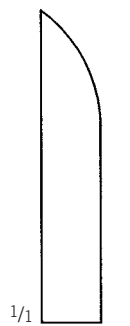
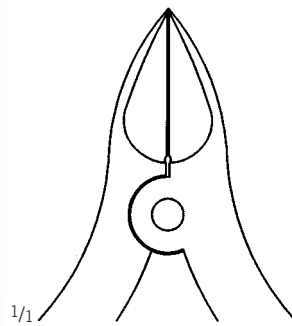
KM 69-434  
5 1/2" straight  
chrome



KM 69-438  
6 1/2" concave  
super size  
stainless



**MYCOTIC NAIL NIPPER**  
6" stainless  
double action  
barrel spring



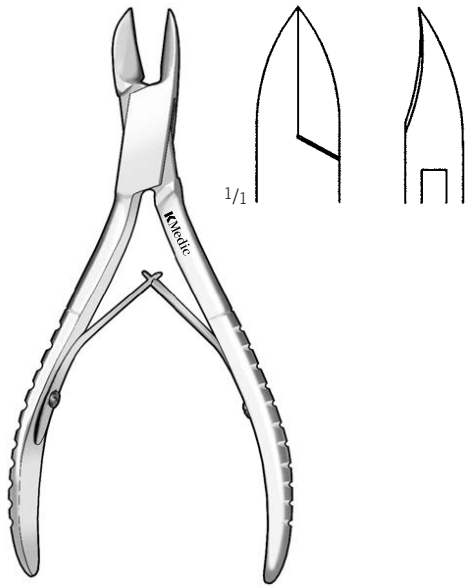
KM 69-445  
straight



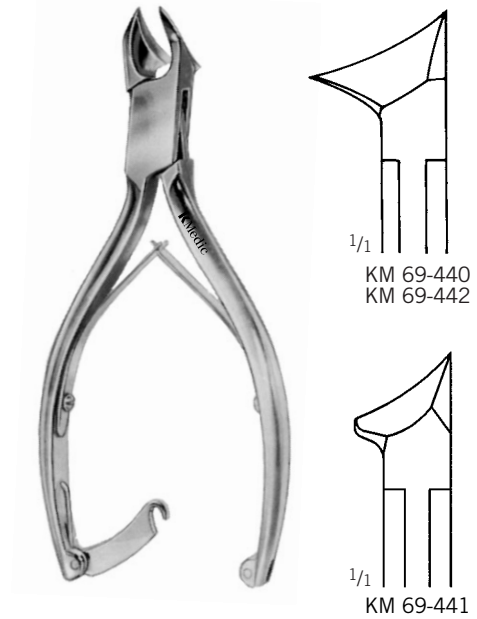
KM 69-446  
concave

*Double action helps prevent hand fatigue.  
Ideal for Mycotic and Onychiauxis nails.*

**NAIL NIPPERS**



**NAIL NIPPER**  
 KM 69-418  
 5 1/2" concave, narrow  
 stainless



**NAIL NIPPER**  
 5 1/2" angled, concave  
 KM 69-440 stainless, sharp end  
 KM 69-441 stainless, blunt end  
 KM 69-442 chrome, sharp end



**NAIL NIPPER**  
 KM 69-380  
 4 1/2" chrome

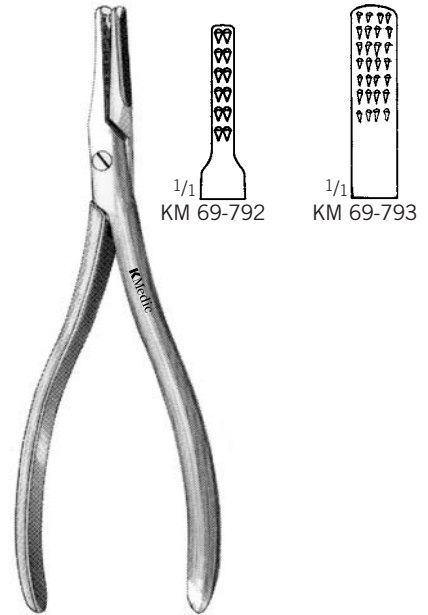


**NAIL NIPPER**  
 KM 69-410  
 4 1/2" concave  
 chrome  
 barrel spring

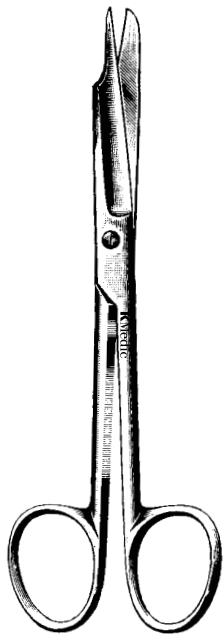
KM 69-412  
 5 1/2" concave  
 chrome  
 barrel spring



**CUTICLE NIPPER**  
 KM 69-258  
 4", 6mm chrome  
 ring handle



**PLATYPUS NAIL REMOVING FORCEPS**  
 KM 69-792      KM 69-793  
 5 1/2", 3mm narrow      5 1/2", 6mm broad



**INGROWN NAIL SPLITTING SCISSORS**  
 KM 69-805  
 6"  
 one serrated blade



**NAIL SPICULE FORCEPS**  
 KM 69-352  
 5 1/2"

*Used to grasp nail spicules for removal.*

**SCALPEL HANDLES**



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



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

**#3L**  
 KM 29-061  
 extra long  
 8 1/2"



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



**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



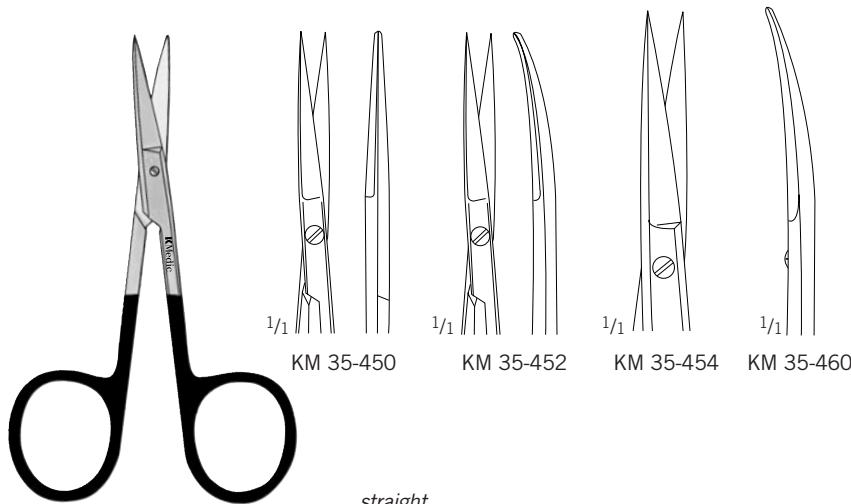
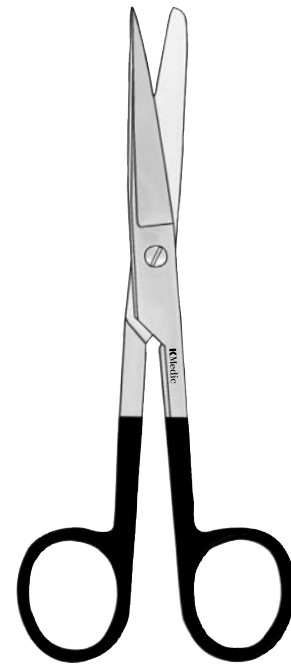
# KMedic Super-Cut Scissors

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:**

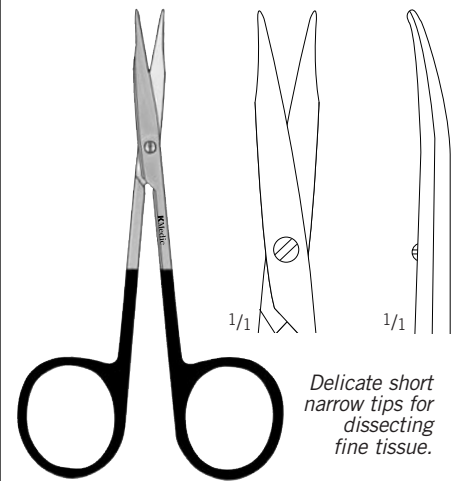
- Cut through soft and fibrous tissue without effort.
- Superb control permits precision in dissection.
- Less hand fatigue for the surgeon and less trauma for the patient.
- Retain sharpness longer than ordinary scissors.
- Ring handles are black-coated for easy identification.
- Fully autoclavable.
- 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.



*straight*  
 KM 35-450 3 1/2" delicate  
 KM 35-454 4 1/2"  
*curved*  
 KM 35-452 3 1/2" delicate  
 KM 35-460 4 1/2"

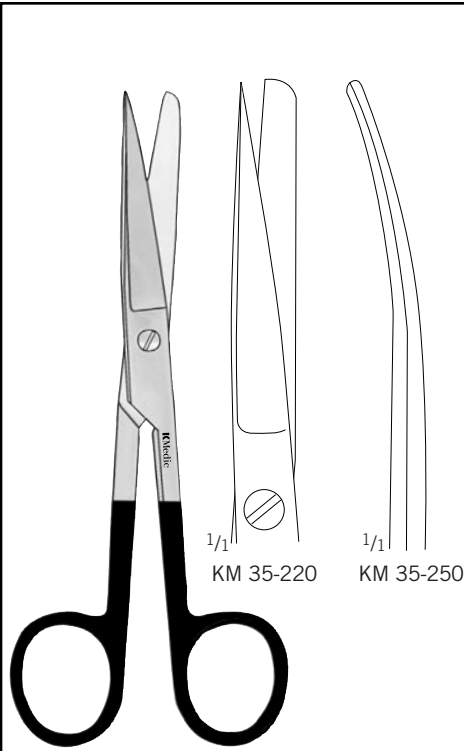
**SUPER-CUT IRIS SCISSORS** sharp points



*Delicate short narrow tips for dissecting fine tissue.*

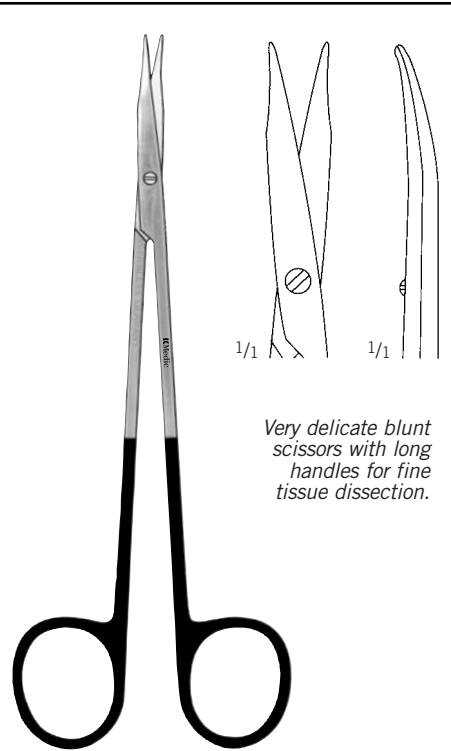
**SUPER-CUT STEVENS SCISSORS**  
 blunt points  
*straight*  
 KM 35-484 4 1/2"      *curved*  
 KM 35-490 4 1/2"  
 KM 35-494 5 1/4"

**SUPER-CUT SCISSORS**



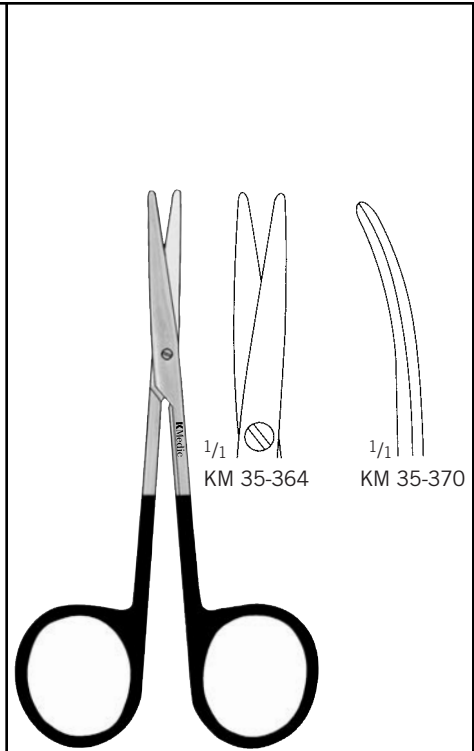
**SUPER-CUT OPERATING SCISSORS**  
 KM 35-220  
 5½" straight  
 sharp/blunt points

**SUPER-CUT JAMISON SCISSORS**  
 KM 35-250  
 5½" curved  
 sharp/blunt points



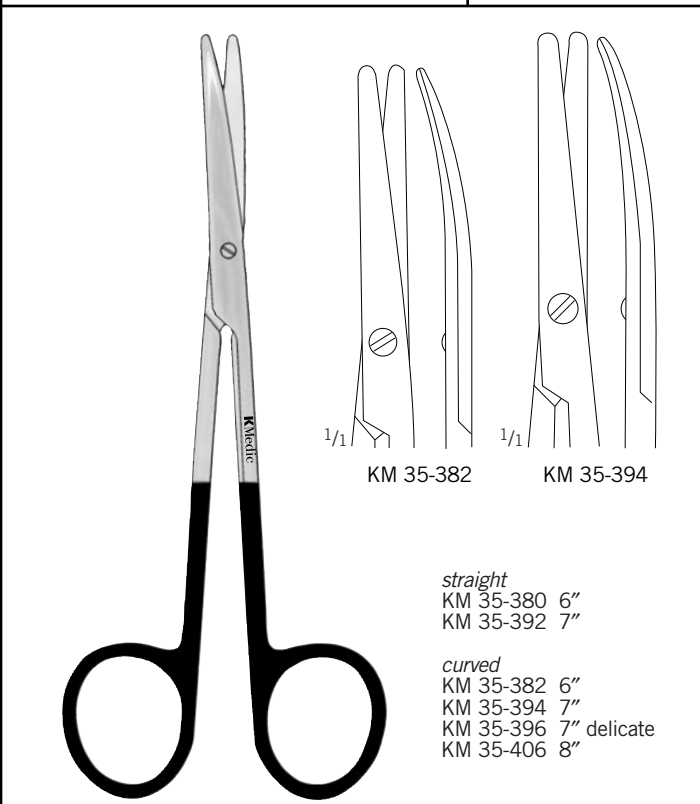
**SUPER-CUT JAMISON SCISSORS**  
 KM 35-496  
 6¼" curved blunt points, very delicate

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



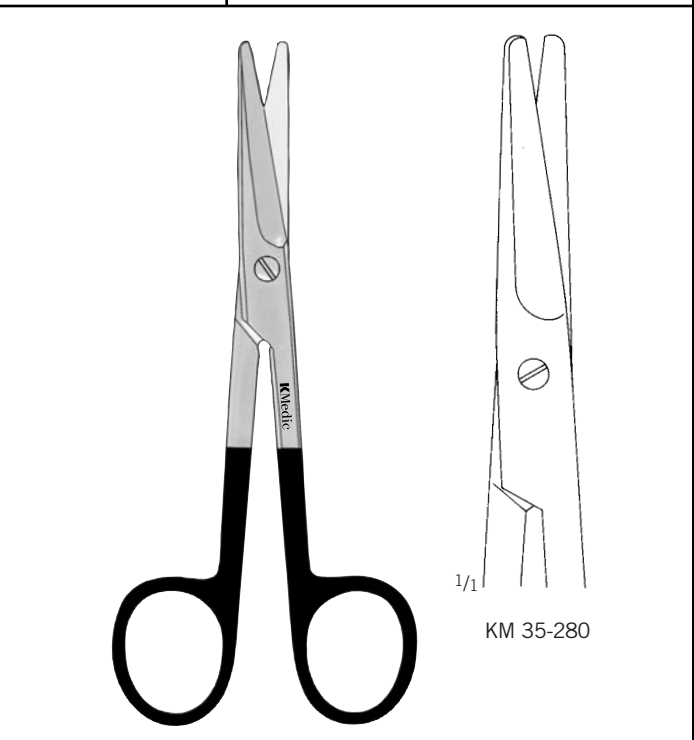
**SUPER-CUT BABY METZENBAUM SCISSORS**  
 KM 35-364  
 4½" straight  
 blunt points

**SUPER-CUT BABY METZENBAUM SCISSORS**  
 KM 35-370  
 4½" curved  
 blunt points



**SUPER-CUT METZENBAUM SCISSORS** blunt points

- straight*
- KM 35-380 6"
- KM 35-392 7"
- curved*
- KM 35-382 6"
- KM 35-394 7"
- KM 35-396 7" delicate
- KM 35-406 8"



**SUPER-CUT MAYO SCISSORS**  
 beveled blades, blunt points

<i>straight</i>	<i>curved</i>
KM 35-280 5½"	KM 35-286 5½"
KM 35-292 6¾"	KM 35-298 6¾"
KM 35-316 9"	KM 35-322 9"

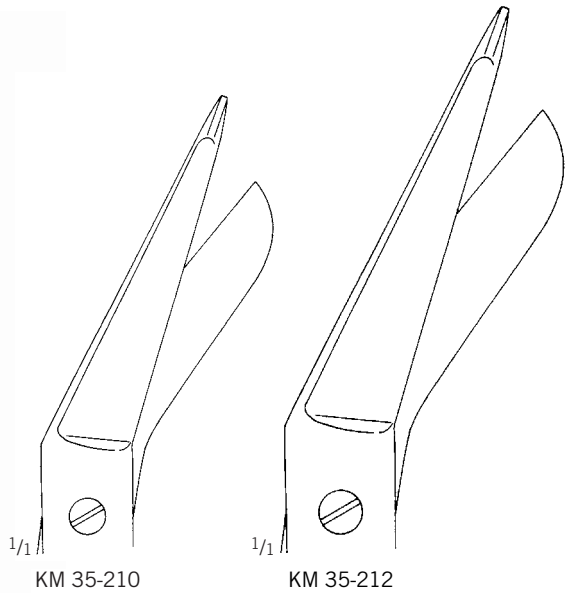
### Super-Cut Bandage Scissors

KMedic developed these four remarkably sharp scissors in response to the demands of doctors, nurses, and other O.R. personnel.

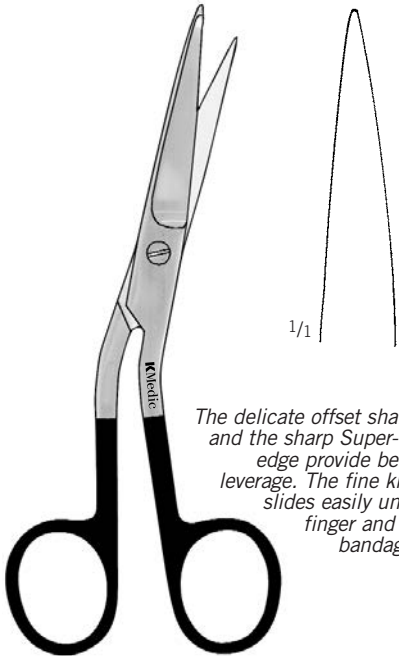
Hospital tests show that these scissors cut multiple layers of stockinette, bandages, drapes, and moleskin with ease.

- Very little hand strength is required for cutting, putting less strain on thumb and forearm.
- Perfect cutting control because you don't have to force them to cut.
- Scissors cut faster, saving critical time in the O.R.
- Retain their sharpness longer than ordinary scissors.

**IMPORTANT NOTE:** Super-Cut Scissors should not be used to cut fiberglass or plaster splints.

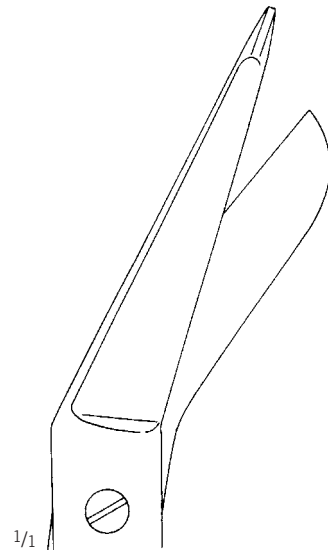


**SUPER-CUT LISTER BANDAGE SCISSORS**  
KM 35-210 5 1/2"  
KM 35-212 7 1/4"



*The delicate offset shanks and the sharp Super-Cut edge provide better leverage. The fine knob slides easily under finger and toe bandages.*

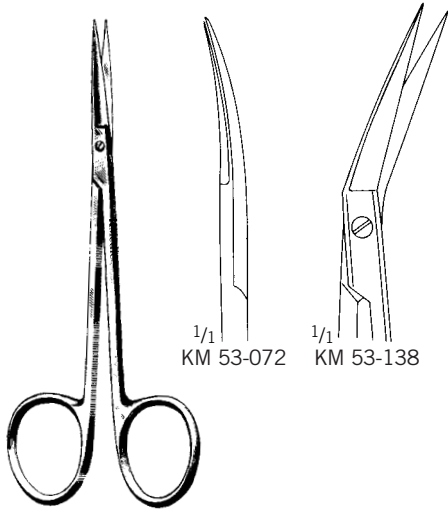
**SUPER-CUT HI-LEVEL BANDAGE SCISSORS**  
KM 35-202  
5 1/2" shanks angled on side



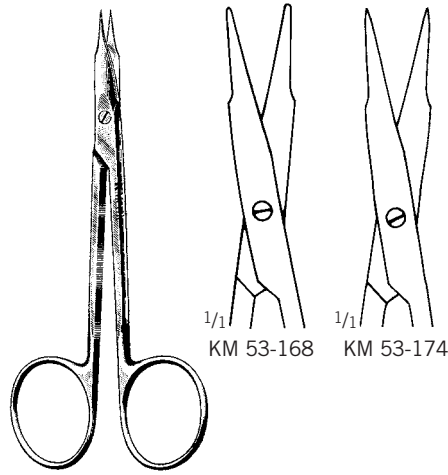
*Razor sharp scissors ideal for cutting heavy material—including: moleskin, drapes and stockinette. Not recommended for fiberglass or plaster splints. Oversized finger ring helps relieve pressure on the third metacarpal.*

**SUPER-CUT LISTER BANDAGE SCISSORS WITH LARGE FINGER RING**  
KM 35-214  
8"

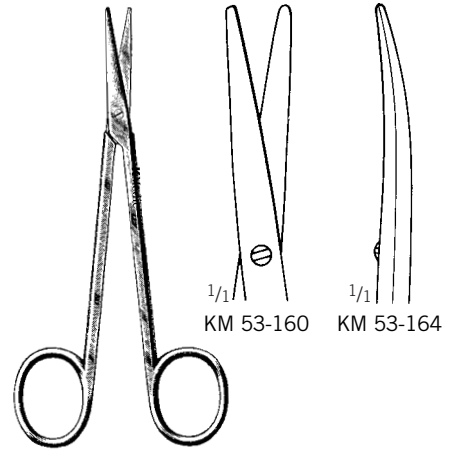
**OPERATING AND DISSECTING SCISSORS**



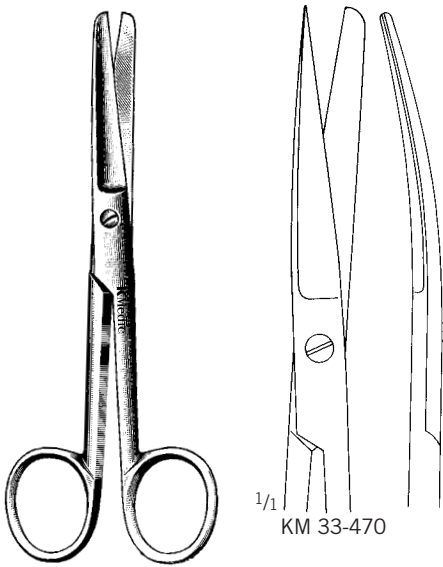
**IRIS SCISSORS** sharp points  
*straight* KM 53-064 3½" KM 53-066 3½"  
 KM 53-068 4½" KM 53-072 4½"  
 KM 53-080 4⅝" deli. KM 53-084 4⅝" deli.  
*curved*  
*angled on side*  
 KM 53-138 4½"



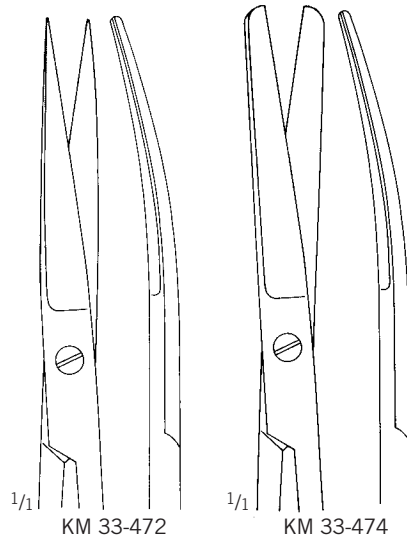
**STEVENS TENOTOMY SCISSORS**  
*straight*  
 KM 53-168 4¼" blunt/blunt points  
 KM 53-174 4¼" sharp/sharp points  
*curved*  
 KM 53-172 4¼" blunt/blunt points  
 KM 53-176 4¼" sharp/sharp points



**STRABISMUS SCISSORS**  
 KM 53-160 4" straight blunt points  
 KM 53-164 4" curved blunt points

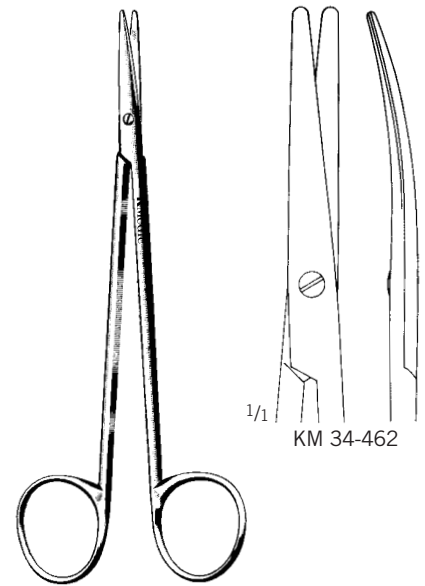


**OPERATING SCISSORS** *straight*  
 KM 33-300 4½" sharp/blunt points  
 KM 33-302 4½" sharp/sharp  
 KM 33-304 4½" blunt/blunt  
 KM 33-310 5" sharp/blunt  
 KM 33-312 5" sharp/sharp  
 KM 33-314 5" blunt/blunt  
 KM 33-320 5½" sharp/blunt  
 KM 33-322 5½" sharp/sharp  
 KM 33-324 5½" blunt/blunt  
 KM 33-370 6½" sharp/blunt  
 KM 33-372 6½" sharp/sharp  
 KM 33-374 6½" blunt/blunt

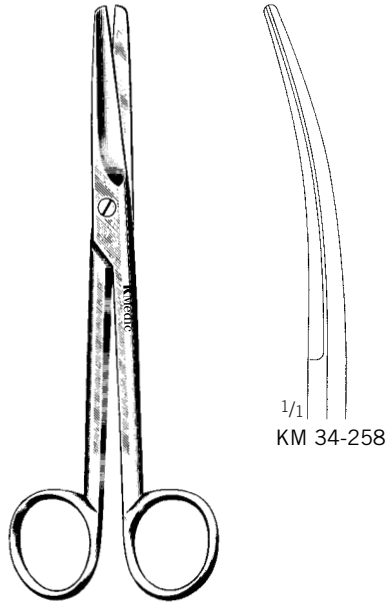


**OPERATING SCISSORS** *curved*  
 KM 33-470 4½" sharp/blunt points  
 KM 33-472 4½" sharp/sharp  
 KM 33-474 4½" blunt/blunt  
 KM 33-482 5" sharp/blunt  
 KM 33-484 5" sharp/sharp  
 KM 33-486 5" blunt/blunt  
 KM 33-490 5½" sharp/blunt  
 KM 33-492 5½" sharp/sharp  
 KM 33-494 5½" blunt/blunt  
 KM 33-520 6½" sharp/blunt  
 KM 33-522 6½" sharp/sharp  
 KM 33-524 6½" blunt/blunt

All scissors can be serrated upon request.



**METZENBAUM SCISSORS**  
 KM 34-458 6" straight  
 KM 34-462 6" curved  
 KM 34-466 7" straight  
 KM 34-470 7" curved



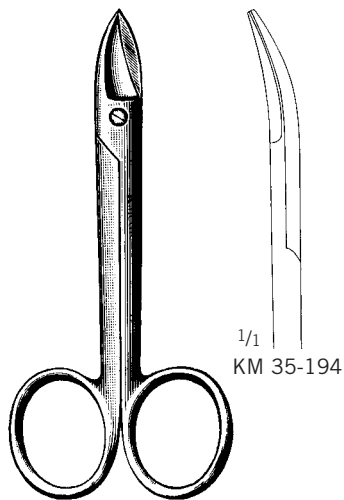
**MAYO SCISSORS** beveled  
 KM 34-256 5½" straight  
 KM 34-258 5½" curved  
 KM 34-260 6¾" straight  
 KM 34-262 6¾" curved



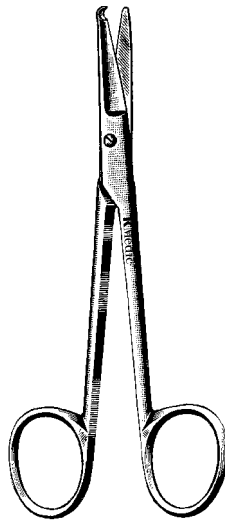
**SISTRUNK SCISSORS** delicate  
 KM 34-348 5" straight  
 KM 34-354 5" curved



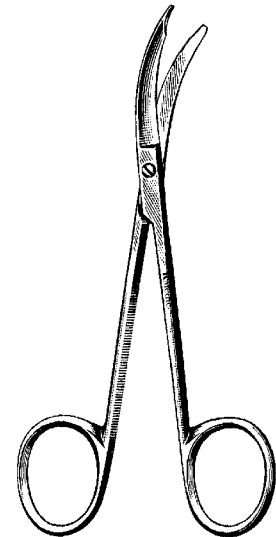
**NAIL SCISSORS**  
 KM 69-106  
 3½" curved



**WIRE CUTTING SCISSORS**  
 one blade serrated  
 KM 35-170 4" straight  
 KM 35-194 4" curved

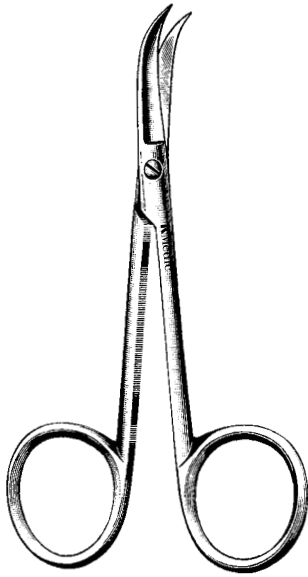


**SPENCER STITCH SCISSORS**  
 KM 35-068 3½"  
 KM 35-092 4¾"

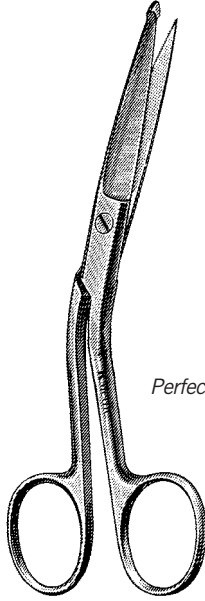


**SHORTBENT STITCH SCISSORS**  
 KM 35-080  
 3½"

**BANDAGE SCISSORS**

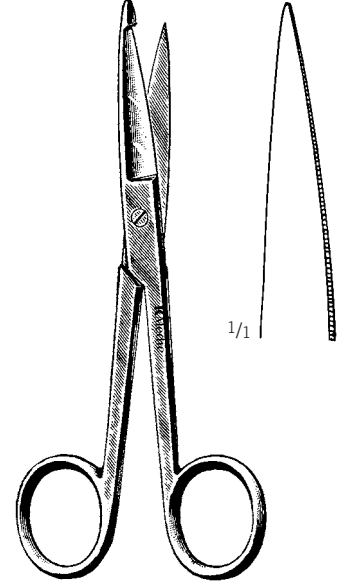


**HILL STITCH SCISSORS**  
 KM 35-084  
 4 1/4"  
 curved

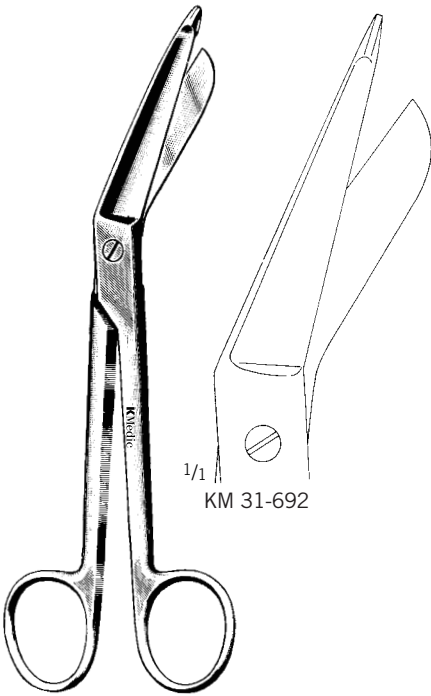


*Perfect for toe bandages.*

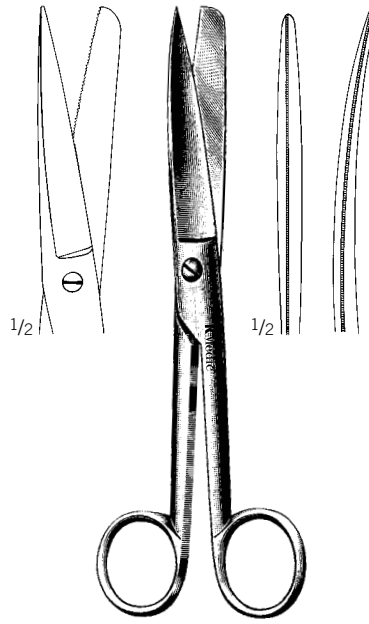
**HI-LEVEL BANDAGE SCISSORS**  
 KM 31-792  
 5 1/2"  
 one serrated blade



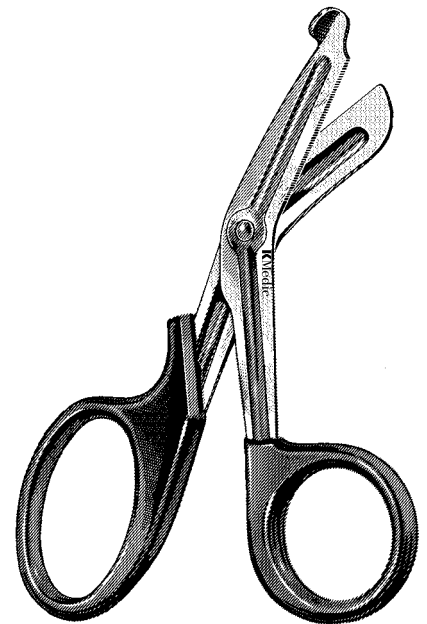
**KNOWLES BANDAGE SCISSORS**  
 KM 31-804  
 5 1/2"  
 one serrated blade



**LISTER BANDAGE SCISSORS**  
 KM 31-668 3 1/2"  
 KM 31-680 4 1/2"  
 KM 31-692 5 1/2"  
 KM 31-704 7 1/4"  
 KM 31-708 8" one large finger ring

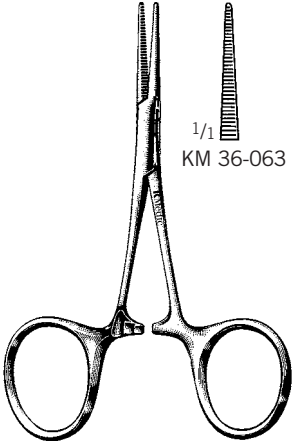


**MOLESKIN SCISSORS** one blade serrated  
 KM 69-820 7 1/2" straight  
 KM 69-824 7 1/2" curved



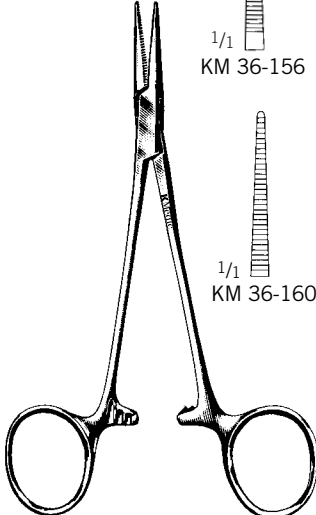
**UTILITY SCISSORS** one blade serrated  
 KM 31-832 6"  
 KM 31-830 7 1/2"

*With autoclavable black plastic finger rings.*



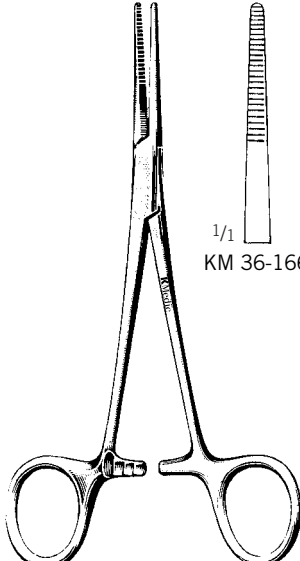
1/1 KM 36-063  
1/1 KM 36-067

**HARTMANN MOSQUITO FORCEPS**  
KM 36-063 KM 36-067  
3 1/2" straight 3 1/2" curved



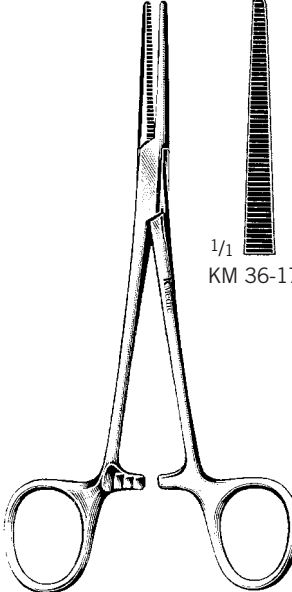
1/1 KM 36-156 1/1 KM 36-158  
1/1 KM 36-160 1/1 KM 36-162

**HALSTED MOSQUITO FORCEPS**  
KM 36-156 KM 36-158  
5" straight 5" curved  
KM 36-160 KM 36-162  
5" straight delicate 5" curved delicate



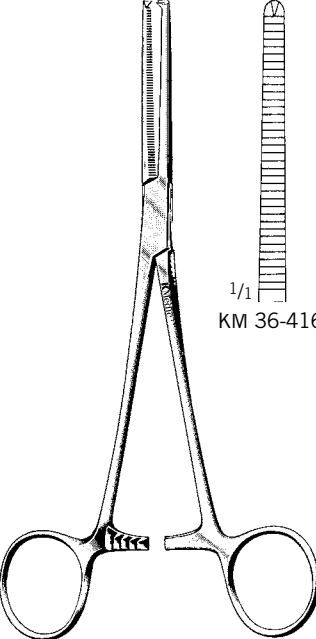
1/1 KM 36-166 1/1 KM 36-168

**KELLY FORCEPS**  
KM 36-166 KM 36-168  
5 1/2" straight 5 1/2" curved



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

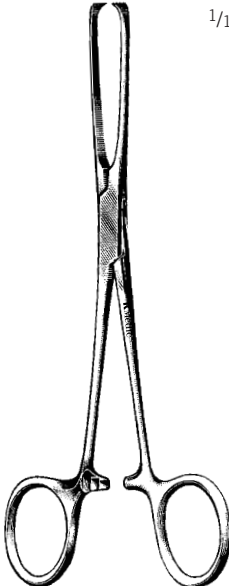
**CRILE FORCEPS**  
KM 36-176 KM 36-178  
5 1/2" straight 5 1/2" curved



1/1 KM 36-416 1/1 KM 36-418

**KOCHER FORCEPS (OCHSNER) 1x2 teeth**  
KM 36-406 KM 36-408  
5 1/2" straight 5 1/2" curved

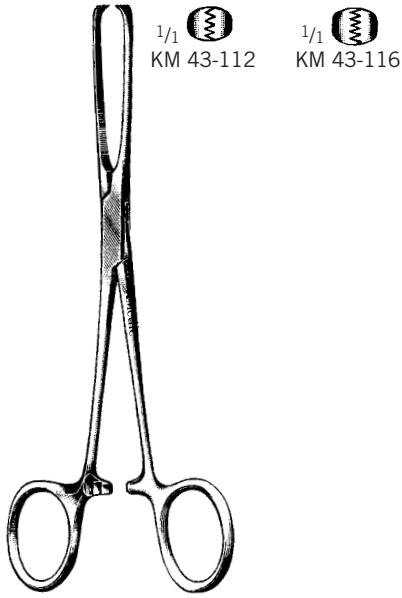
**ROCHESTER-OCHSNER FORCEPS**  
KM 36-416 KM 36-418  
6 1/4" straight 6 1/4" curved



1/1

**ALLIS TISSUE FORCEPS**  
KM 43-105  
4 3/4", 4x5 teeth

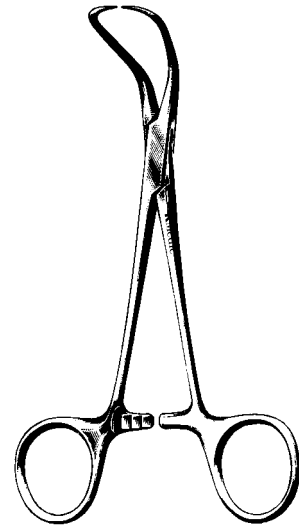
**TISSUE AND TOWEL FORCEPS**



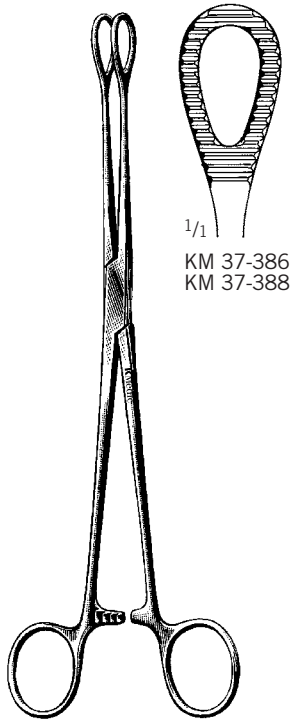
**ALLIS TISSUE FORCEPS**  
 KM 43-112      KM 43-116  
 6", 4x5 teeth      6", 5x6 teeth



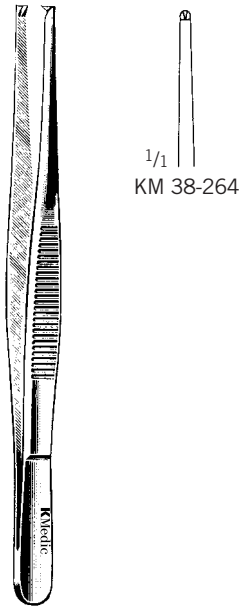
**JONES TOWEL FORCEPS**  
 KM 37-470      KM 37-478  
 2 1/2"      3 1/4"



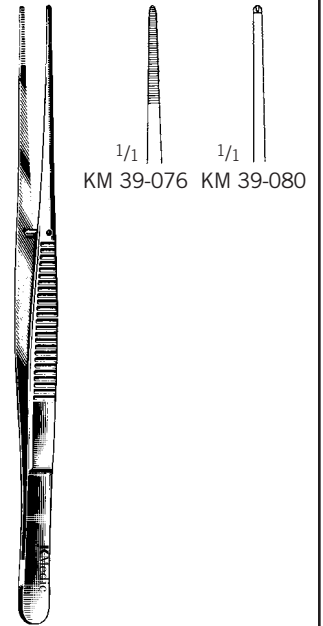
**BACKHAUS TOWEL FORCEPS**  
 KM 37-458      KM 37-462  
 3 1/2"      5 1/4"



**FOERSTER FORCEPS** serrated  
 KM 37-366      KM 37-386  
 7" straight      9 1/2" straight  
 KM 37-368      KM 37-388  
 7" curved      9 1/2" curved

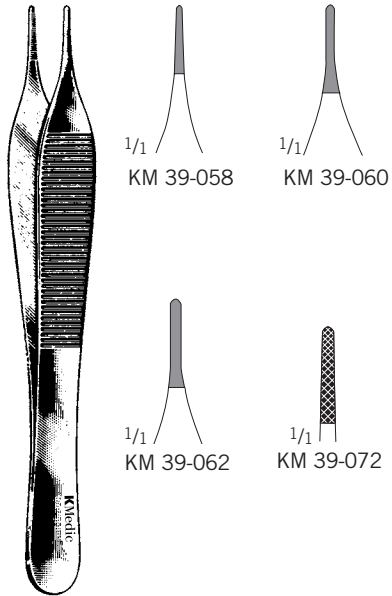


**TISSUE FORCEPS** 1x2 teeth  
 KM 38-264      KM 38-272  
 4 1/2"      5 1/2"  
 KM 38-268      KM 38-276  
 5"      6"



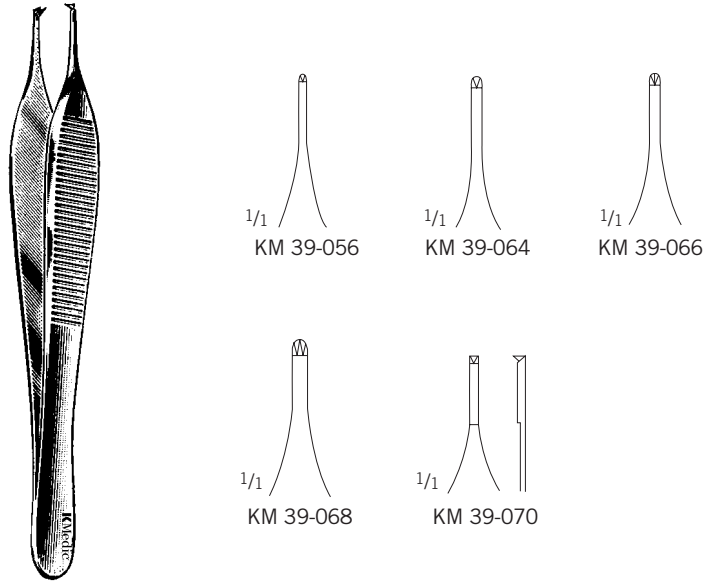
**SEMKEN FORCEPS**  
 KM 39-076      KM 39-080  
 5" serrated      5", 1x2 teeth





**ADSON DRESSING FORCEPS**

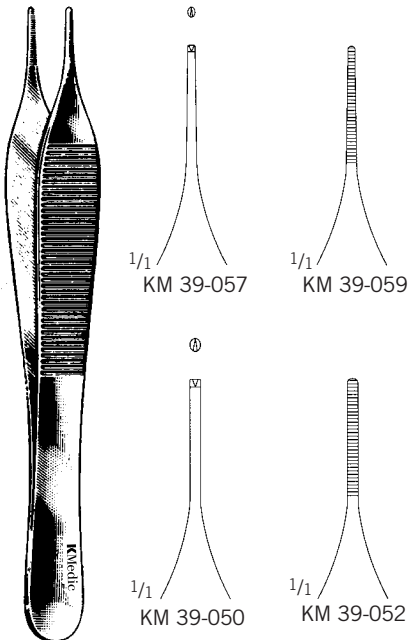
4 3/4" serrated  
 KM 39-058 micro tip  
 KM 39-060 delicate tip  
 KM 39-062 standard tip  
 KM 39-072 carbide tip



**ADSON TISSUE FORCEPS 4 3/4"**

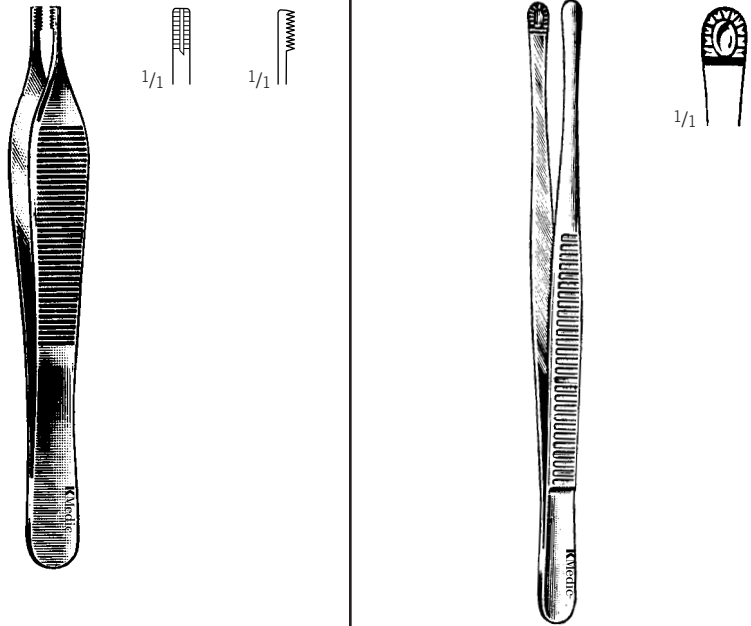
1x2 teeth  
 KM 39-056 micro tip  
 KM 39-063 serrated tip  
 KM 39-064 delicate tip  
 KM 39-066 standard tip  
 KM 39-070 delicate, with tying platform

2x3 teeth  
 KM 39-068



**ADSON DRESSING AND TISSUE FORCEPS 6"**

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



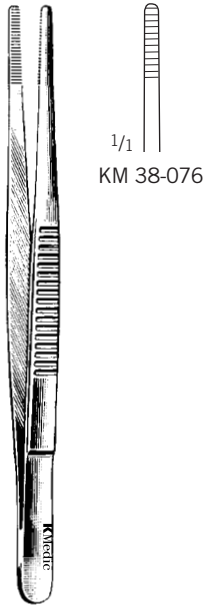
**ADSON BROWN FORCEPS**

KM 39-092  
 4 3/4" 9x9 teeth  
 side grasping

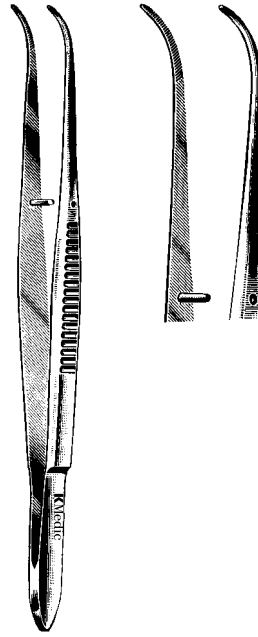
**RUSSIAN FORCEPS**

KM 39-192  
 6"

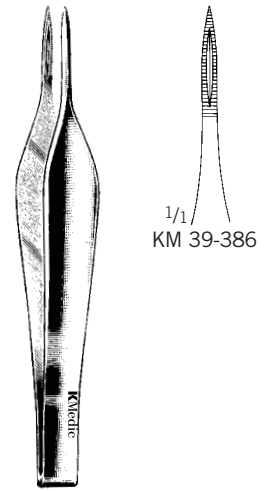
**DRESSING AND SPLINTER FORCEPS**



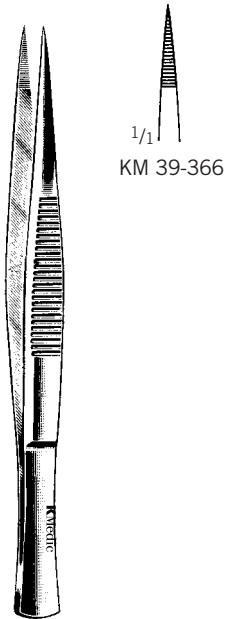
**DRESSING FORCEPS** serrated  
 KM 38-076 4 1/2"  
 KM 38-080 5"  
 KM 38-084 5 1/2"  
 KM 38-088 6"



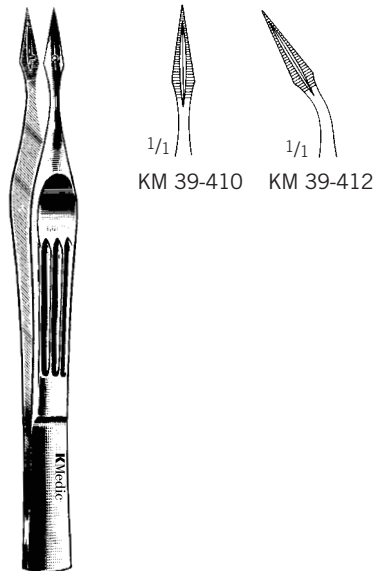
**DRESSING FORCEPS**  
 KM 38-082 5" curved  
 KM 38-088 6" fine point serrated



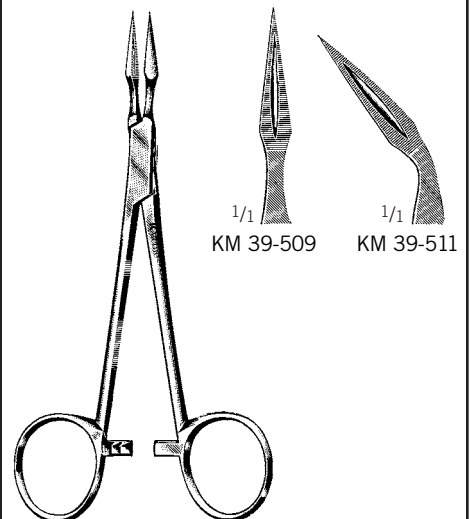
**FEILCHENFELD FORCEPS** serrated  
 KM 39-386 3"  
 KM 39-390 4 1/2"



**SPLINTER FORCEPS** serrated  
 KM 39-364 3 1/2"  
 KM 39-366 4 1/2"

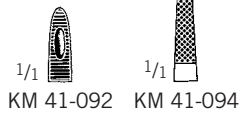
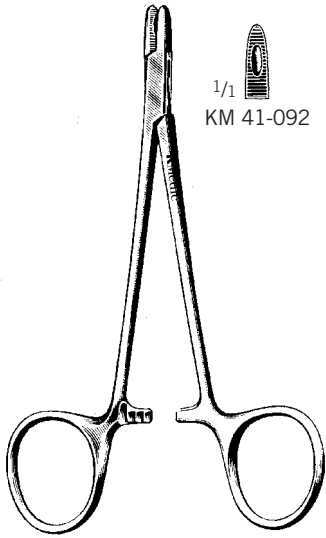


**CARMALT SPLINTER FORCEPS** serrated  
 KM 39-410 4 1/4" straight  
 KM 39-412 4 1/4" curved

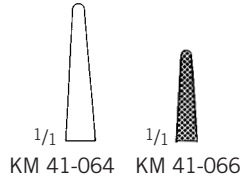
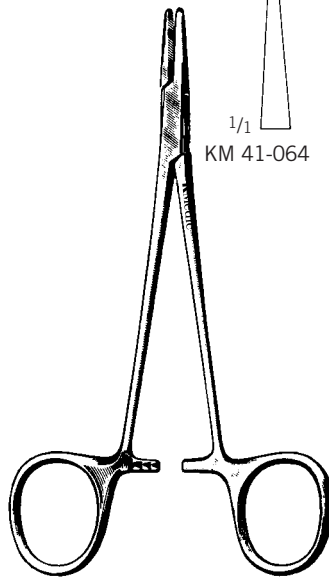


**WILLIAMS SPLINTER FORCEPS** serrated  
 KM 39-509 5 1/2" straight  
 KM 39-511 5 1/4" 45 degree angled

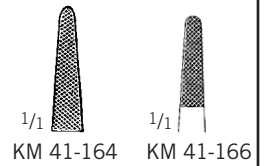
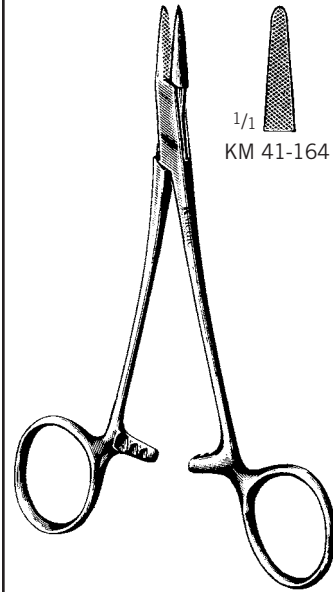
Our carbide needle holders have TC inserts firmly bonded to the inside of both jaws. We guarantee them for three years. The surface profiles of the inserts have been precision milled to provide the surgeon with a firm, non-slip grip on the needle. Because the carbide is harder than the steel of the needles,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



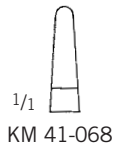
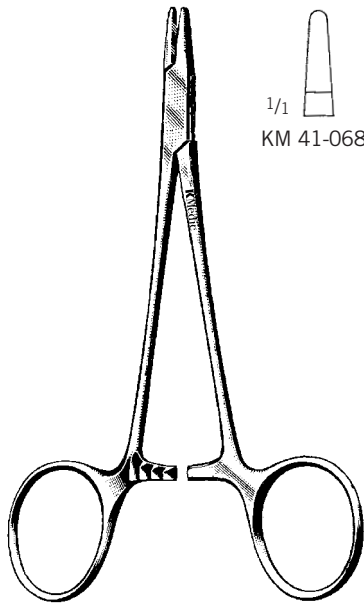
**DERF NEEDLE HOLDER**  
 KM 41-092 4 3/4" horizontal serrations  
 KM 41-094 4 3/4" carbide cross serrations



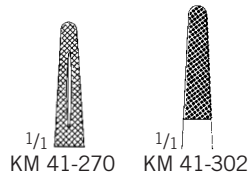
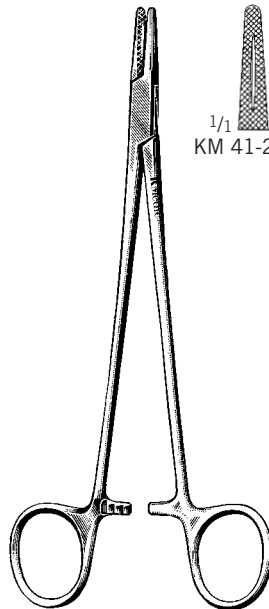
**HALSEY NEEDLE HOLDER**  
 KM 41-064 5" smooth  
 KM 41-065 5" smooth carbide  
 KM 41-066 5 1/4" serrated  
 KM 41-067 5" serrated carbide



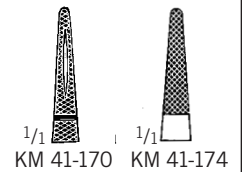
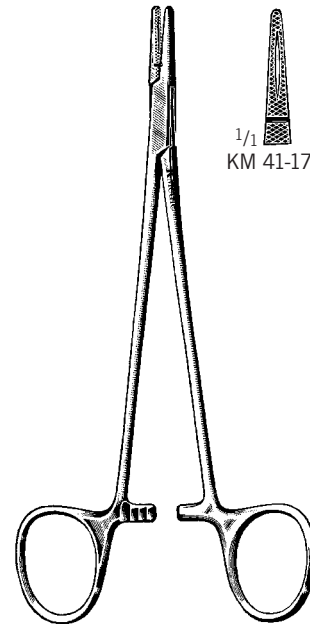
**HEGAR BAUMGARTNER NEEDLE HOLDER**  
 KM 41-162 5" serrated  
 KM 41-164 5 3/4" serrated  
 KM 41-166 5 1/2" serrated carbide



**WEBSTER NEEDLE HOLDER** smooth  
 KM 41-068 5"  
 KM 41-070 5" carbide

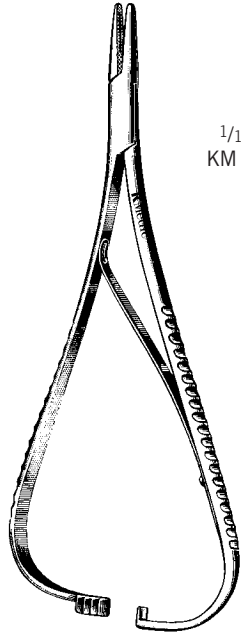


**MAYO HEGAR NEEDLE HOLDER** serrated  
 KM 41-270 5 1/2" carbide  
 KM 41-272 6" carbide  
 KM 41-278 7" carbide  
 KM 41-300 5" carbide  
 KM 41-302 6" carbide  
 KM 41-308 7" carbide  
 left-handed  
 KM 41-302L 6" carbide



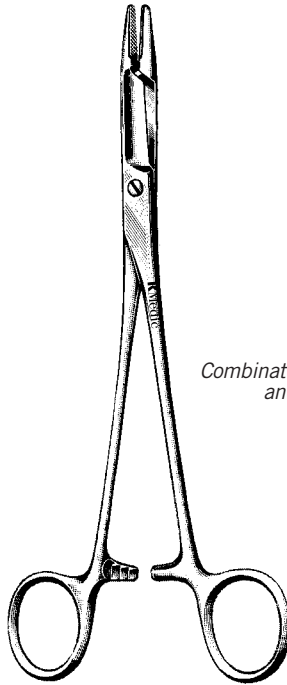
**CRILE-WOOD (DEBAKEY) NEEDLE HOLDER** serrated  
 KM 41-170 6" carbide  
 KM 41-171 7" carbide  
 KM 41-174 6" carbide  
 KM 41-175 7" carbide

# NEEDLE HOLDERS



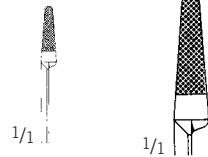
1/1  
KM 41-198

**MATHIEU NEEDLE HOLDER** serrated  
KM 41-198 5 1/2"  
KM 41-200 5 1/2" carbide



Combination needle holder  
and suture scissors.

**OLSEN-HEGAR NEEDLE HOLDER**



1/1 KM 41-424  
KM 41-440 1/1 KM 41-428  
KM 41-448

- KM 41-424 4 3/4" delicate serrated\*
- KM 41-426 4 3/4" delicate smooth\*
- KM 41-428 5 1/2" serrated
- KM 41-432 6 1/2" serrated

- carbide
- KM 41-440 4 3/4" delicate serrated\*
  - KM 41-446 4 3/4" delicate smooth\*
  - KM 41-448 5 1/2" serrated
  - KM 41-452 6 1/2" serrated

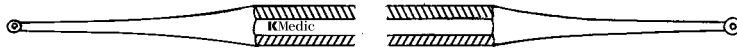
\*For suture sizes 5-0, 6-0, 7-0 only.

## NOTES



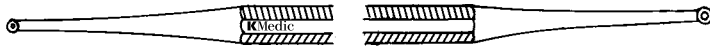
**HAND INSTRUMENTS, DOUBLE ENDED SOLID OCTAGON HANDLES**

All detail drawings on this page shown full size.



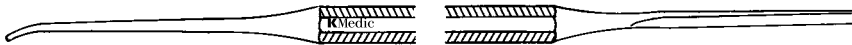
**CURETTE EXCAVATOR**

KM 69-488  
5½" double ended  
1.5 and 2.0mm with hole



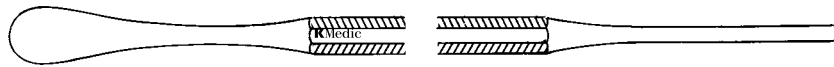
**CURETTE EXCAVATOR**

KM 69-492  
5½" double ended  
1.5 and 2.5mm with hole



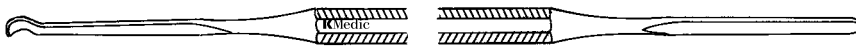
**PROBE AND PACKER**

KM 69-495  
6" double ended



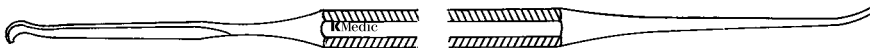
**SPATULA AND PACKER**

KM 69-498  
5¾" double ended



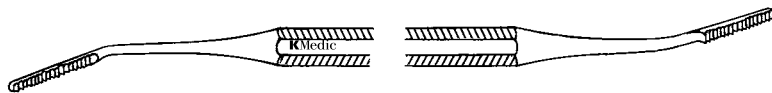
**EXCAVATOR AND PACKER**

KM 69-502  
5¾" double ended



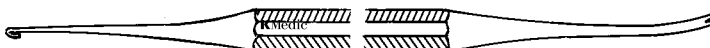
**EXCAVATOR AND PROBE**

KM 69-518  
6" double ended



**NAIL RASP**

KM 69-538  
6¾" angled  
double ended



**JOHNSON-TUCKER HOOK AND FORK**

KM 69-790  
6½" double ended, delicate

# HAND INSTRUMENTS



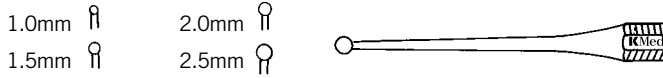
## HAND INSTRUMENTS, SINGLE ENDED SOLID OCTAGON HANDLES

All detail drawings on this page shown full size.



### CURETTE EXCAVATOR (VERUCCA)

KM 69-457  
5", 4mm without hole  
single ended  
*With McGlamry Bullneck.  
Will resist bending.*

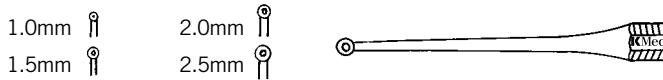


### CURETTE EXCAVATOR

KM 69-459  
5", 1.0mm without hole  
single ended

KM 69-461  
5", 1.5mm  
KM 69-463  
5", 2.0mm

KM 69-465  
5", 2.5mm



### CURETTE EXCAVATOR

KM 69-468  
5", 1.0mm with hole  
single ended

KM 69-478  
5", 1.5mm  
KM 69-480  
5", 2.0mm

KM 69-484  
5", 2.5mm



### NUCLEUS KNIFE

KM 69-524  
5 1/4" small  
single ended



KM 69-528  
5 1/4" large  
single ended



### BONE FILE #92A

KM 69-530  
6" single ended



### BONE FILE #92B

KM 69-534  
6" single ended



### NAIL SPLITTER

KM 69-557 5" small blade straight, single ended

KM 69-562 5" small blade angled, single ended



### NAIL SPLITTER

KM 69-560 5" large blade straight, single ended

KM 69-568 5" large blade angled, single ended



### LOCKE ELEVATOR

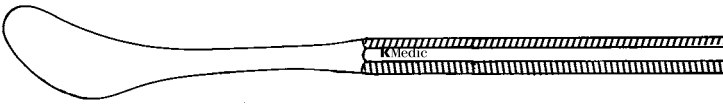
KM 69-579  
4 1/2" narrow blade  
single ended

*With McGlamry Bullneck.  
Will resist bending.*

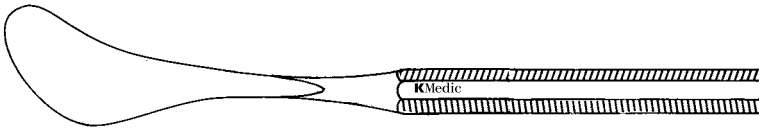


KM 69-590  
5" wide blade  
single ended

All detail drawings on this page shown full size.



**GOLF STICK KNIFE #41**  
KM 69-618  
5 1/2"  
single ended



**GOLF STICK KNIFE #43**  
KM 69-620  
5 1/2"  
single ended



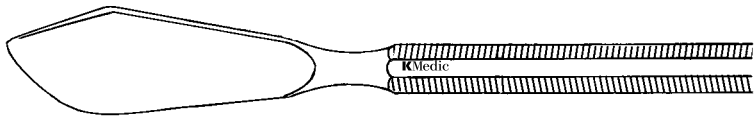
**INGROWN NAIL INSTRUMENT**  
KM 69-595  
5"  
single ended



**SOFT CORN KNIFE**  
KM 69-622  
5" round blade  
straight, single ended



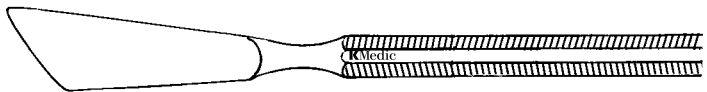
**SOFT CORN SPOON KNIFE**  
KM 69-623  
5" oval blade  
slightly curved, single ended



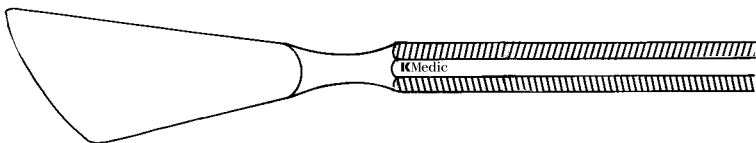
**CORN KNIFE**  
KM 69-625  
5 1/2" curved  
single ended



**CHISEL**  
KM 69-630  
5 1/4" medium blade  
straight edge  
single ended



**CHISEL**  
KM 69-640  
5 1/4" large blade  
curved edge  
single ended


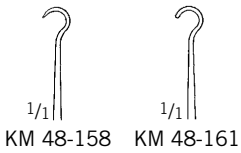

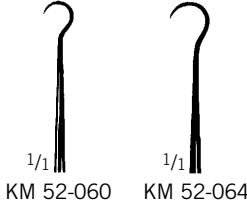







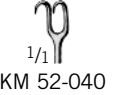

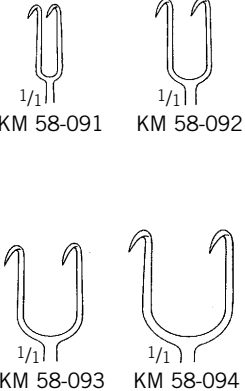
**CHISEL**  
KM 69-645  
5 1/4" extra large blade  
curved edge  
single ended



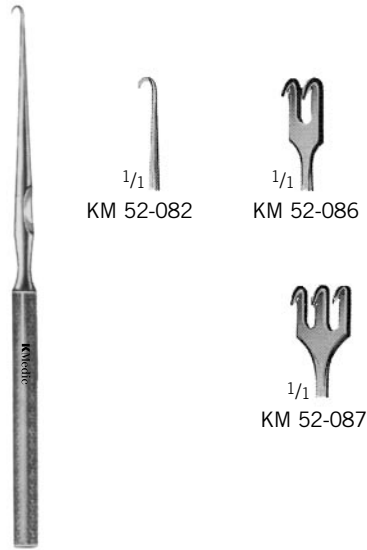
**CHISEL**  
KM 69-650  
5 1/4" spade pattern  
curved edge  
single ended

**SKIN HOOKS**

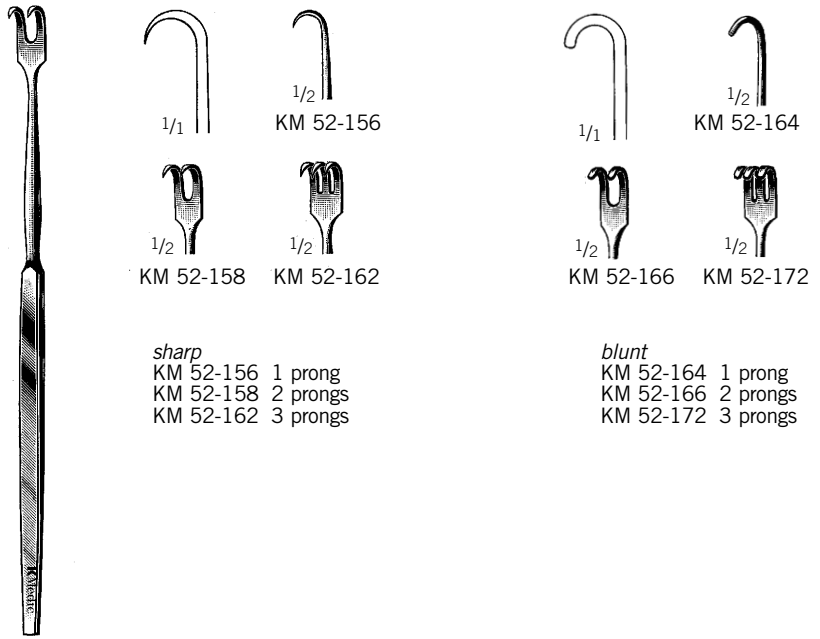
  <p><b>FRAZIER HOOK</b> 5" KM 48-158 one sharp prong 2.5mm diameter KM 48-161 one blunt prong 2.5mm diameter</p>	  <p><b>KLEINERT-KUTZ HOOK</b> 6" KM 52-060 3mm diameter KM 52-064 5mm diameter KM 52-068 7mm diameter</p>	  <p><b>GILLIES HOOK</b> 7" KM 58-077 2mm diameter KM 58-083 3mm diameter</p>
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  <p><b>GUTHRIE HOOK</b> KM 54-350 5" 2 sharp prongs 2.5mm wide KM 54-351 5" 2 blunt prongs 2.5mm wide</p>	  <p><b>FREER SKIN HOOK</b> 6" KM 52-040 2 sharp prongs 2.5mm wide KM 52-042 2 blunt prongs 2.5mm wide</p>	  <p><b>JOSEPH HOOK</b> 6 1/2" 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</p>
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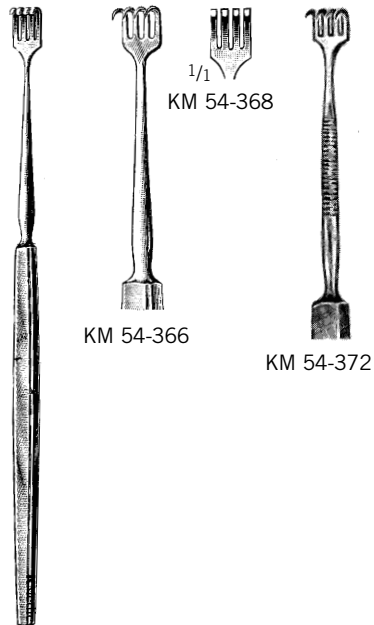
**LAHEY RETRACTOR 4 3/4"**  
 KM 52-082 1 sharp prong  
 KM 52-086 2 sharp prongs  
 KM 52-087 3 sharp prongs



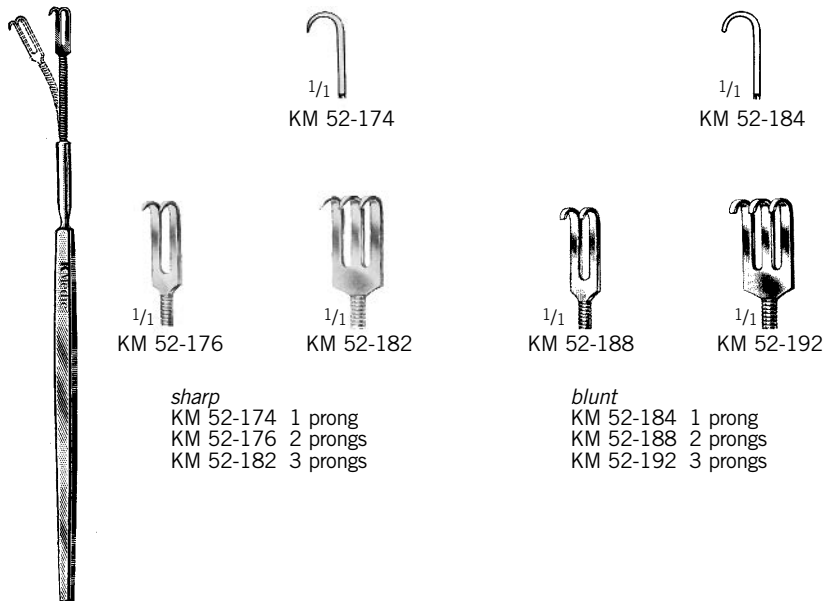
**RIGID RAKE RETRACTOR 6 1/2"**

*sharp*  
 KM 52-156 1 prong  
 KM 52-158 2 prongs  
 KM 52-162 3 prongs

*blunt*  
 KM 52-164 1 prong  
 KM 52-166 2 prongs  
 KM 52-172 3 prongs



**BLAIR (ROLLET) RETRACTOR 5 1/2"**  
 6mm wide  
 KM 54-366 4 sharp prongs, rigid  
 KM 54-368 4 blunt prongs, rigid  
 KM 54-372 4 sharp prongs, flexible




**FLEXIBLE RAKE RETRACTOR 6 1/4"**









*sharp*  
 KM 52-174 1 prong  
 KM 52-176 2 prongs  
 KM 52-182 3 prongs

*blunt*  
 KM 52-184 1 prong  
 KM 52-188 2 prongs  
 KM 52-192 3 prongs


**FINGER RETRACTORS**



**VOLKMAN FINGER RETRACTOR** 4½"



 1/2 KM 52-198	 1/2 KM 52-202	 1/2 KM 52-208	 1/2 KM 52-212
 1/2 KM 52-204	 1/2 KM 52-206	 1/2 KM 52-214	 1/2 KM 52-216

<i>sharp</i>	<i>blunt</i>
KM 52-198 2 prongs	KM 52-208 2 prongs
KM 52-202 3 prongs	KM 52-212 3 prongs
KM 52-204 4 prongs	KM 52-214 4 prongs
KM 52-206 6 prongs	KM 52-216 6 prongs




**MATHIEU RETRACTOR** 6¼"

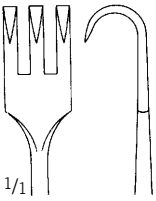
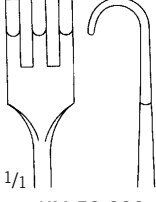
9mm width x 7mm depth prongs  
and 7mm width x 18mm depth blade

 1/1 KM 52-092	 1/1 KM 52-093
---	---


3 sharp prongs double ended  
3 blunt prongs double ended



**SENN RETRACTOR** 3 prongs

 1/1 KM 52-088	 1/1 KM 52-090
---	---

6¼" sharp  
6¼" blunt




**SAFETY SENN RETRACTOR**

KM 52-089  
6¼" (159mm)  
sharp middle prong  
blunt end prongs

Instrument design approved by  
The Podiatry Institute®

*Fine cross serrations help prevent slippage.*



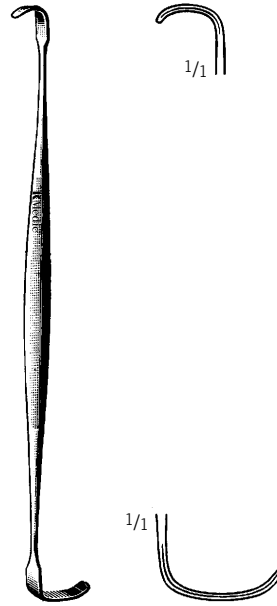
**P.I. LINDE-RAGNELL RETRACTOR**

KM 69-982  
5¼" double ended with serrations  
4mm x 8mm blade  
and 6mm x 15mm blade

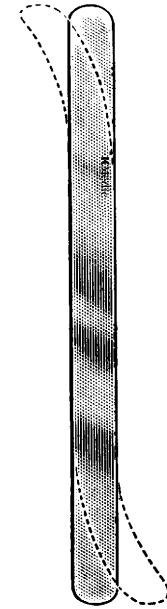
Instrument design approved by  
The Podiatry Institute®



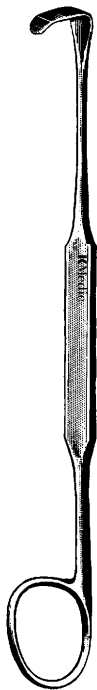
**DAVIS RETRACTOR**  
 KM 52-076  
 6" double ended  
 6mm x 17mm blade  
 and 9mm x 20mm blade



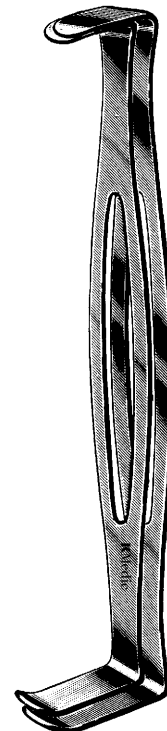
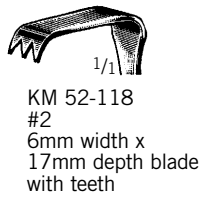
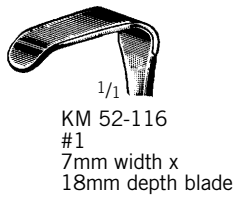
**RAGNELL RETRACTOR**  
 KM 52-094  
 5 3/4" double ended  
 3mm x 8mm blade  
 and 5mm x 15mm blade



**RIBBON RETRACTOR** malleable  
 KM 51-752      KM 51-755  
 6" x 1/2"      7 1/2" x 1"

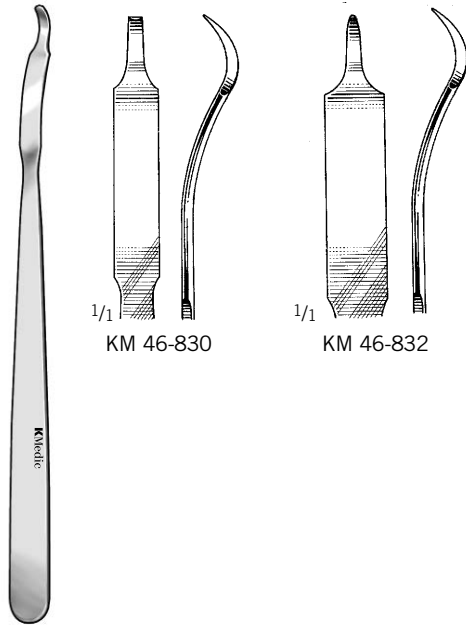


**MEYERDING FINGER RETRACTOR 7"**

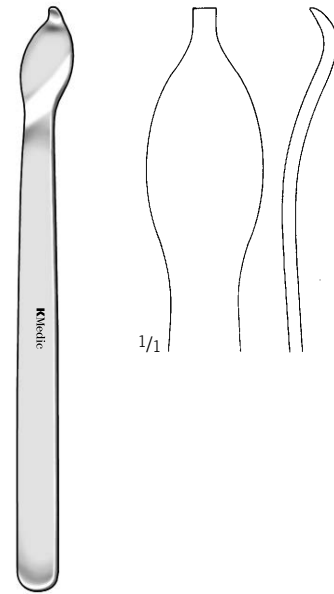


**U.S. ARMY RETRACTOR**  
 KM 51-372  
 8 1/2" double ended, set of two  
 smaller: 15mm width x 25mm depth  
 and 15mm width x 30mm depth  
 larger: 15mm width x 37mm depth  
 and 15mm width x 42mm depth

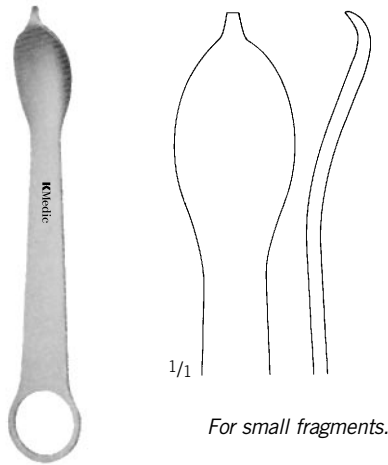
**RETRACTORS**



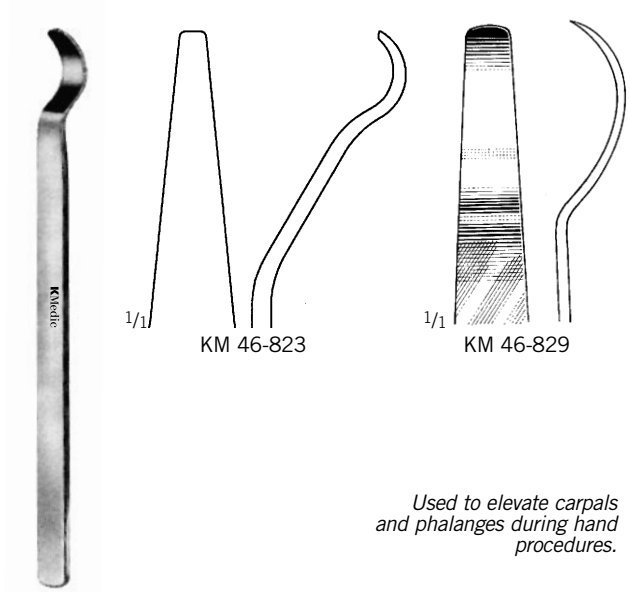
**MINI HOHMANN RETRACTOR**  
 KM 46-830      KM 46-832  
 6½"              6½"  
 6mm blade width      8mm blade width



**HOHMANN RETRACTOR**  
 KM 46-827  
 6"  
 broad tip  
 15mm blade width



**HOHMANN RETRACTOR**  
 KM 46-826  
 4¾" with finger ring  
 broad tip  
 16mm blade width



**HAYES HAND RETRACTOR**  
 KM 46-823      KM 46-829  
 6¼"              6"  
 3mm width distal tip      6mm width distal tip

*Used to elevate carpals and phalanges during hand procedures.*

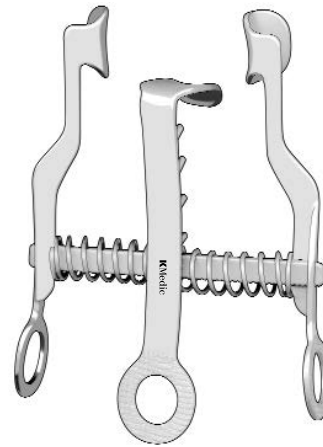
*KMedic Vickers Retractors are designed to provide excellent visibility. Each of the retractors is self-retaining and automatically expands the wound site.*

*Useful for retracting wounds on the great toe.*



**VICKERS DIGITAL RETRACTOR**  
 KM 52-425  
 2" x 3/4" x 1 1/4"  
 2 x 2 blunt hooks  
 maximum opening: 3/4"

*Useful for small wound retraction.*



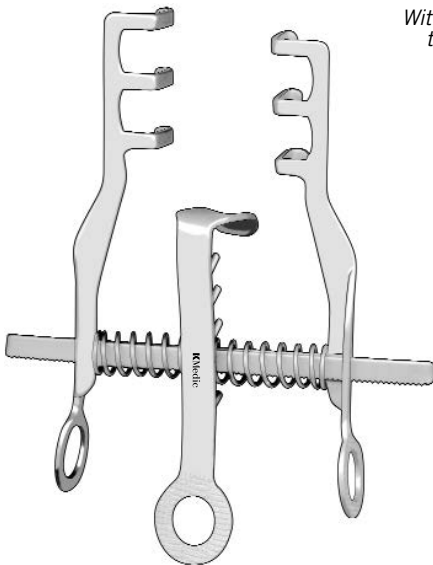
**VICKERS LOW PROFILE SMALL WOUND RETRACTOR**  
 KM 52-426  
 2 1/2" x 3"  
 10mm depth x 12mm height curved smooth blades  
 maximum opening: 30mm  
 center blade: 10mm x 16mm

1/2

1/1

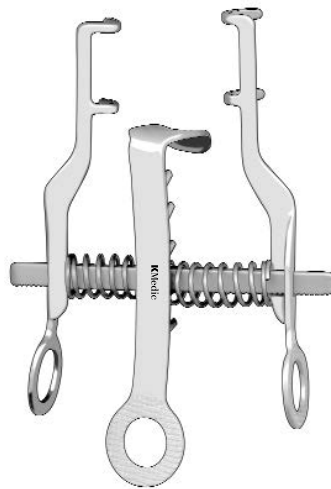
*Center blade for low profile retractors.*

*With three blunt prongs to secure placement.*



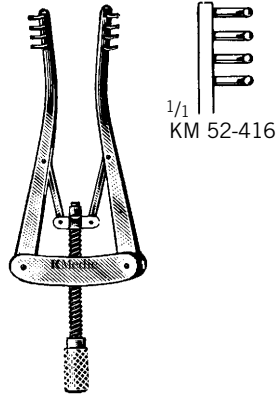
**VICKERS LOW PROFILE RETRACTOR**  
 KM 52-427  
 3" x 3 3/4"  
 3 x 3 blunt prongs  
 11mm depth x 25mm height  
 maximum opening: 35mm  
 center blade: 10mm x 16mm

*With two blunt prongs to secure placement.*

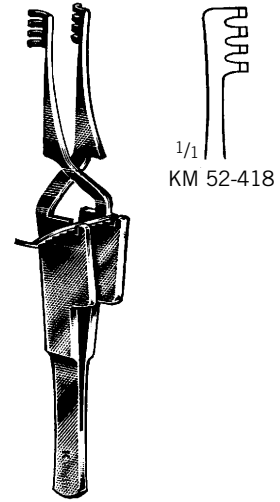


**VICKERS LOW PROFILE UNIVERSAL RETRACTOR**  
 KM 52-428  
 2 1/2" x 3"  
 2 x 2 blunt prongs  
 8mm depth x 17mm height  
 maximum opening: 30mm  
 center blade: 10mm x 16mm

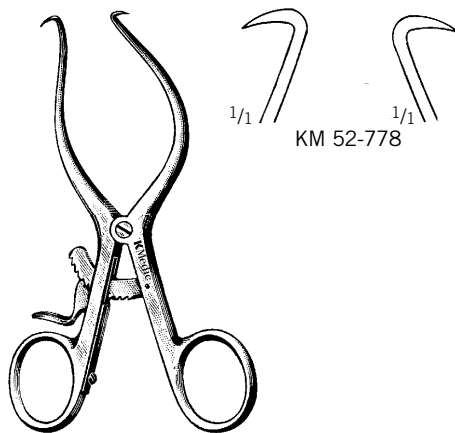
**RETRACTORS**



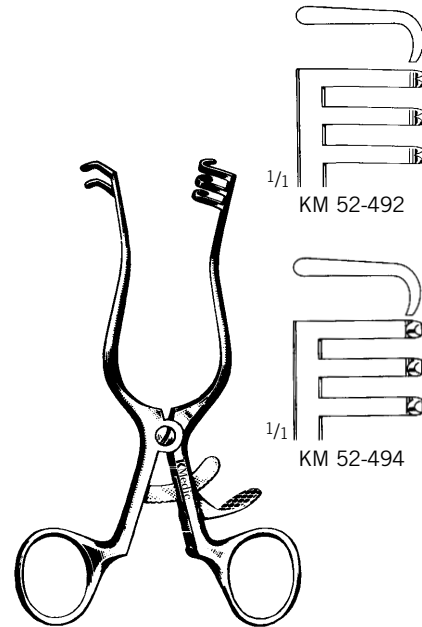
**ALM RETRACTOR** 4 blunt prongs  
 KM 52-414 2 3/4" delicate 4mm depth x 8mm height  
 KM 52-416 4" delicate 5mm depth x 9mm height



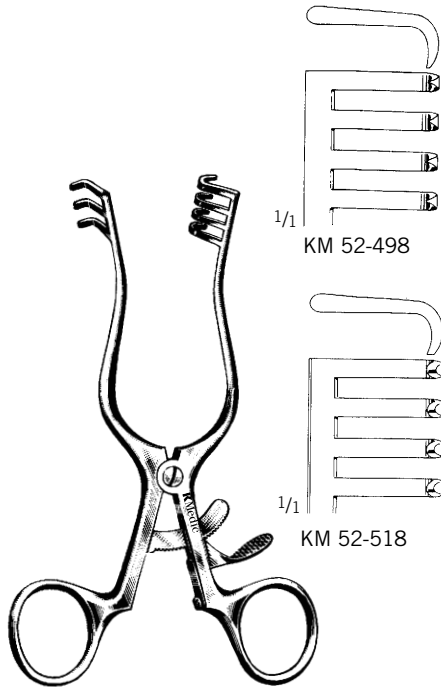
**SELF-RETAINING RETRACTOR (HEISS)**  
 KM 52-417 4" delicate 4 sharp prongs 3mm depth x 8mm height  
 KM 52-418 4" delicate 4 blunt prongs 3mm depth x 8mm height



**GELPI RETRACTOR**  
*sharp points*  
 KM 52-776 3 1/2"  
 KM 52-778 4 1/2"  
 KM 52-780 5 1/2"  
 KM 52-768 7 1/2"

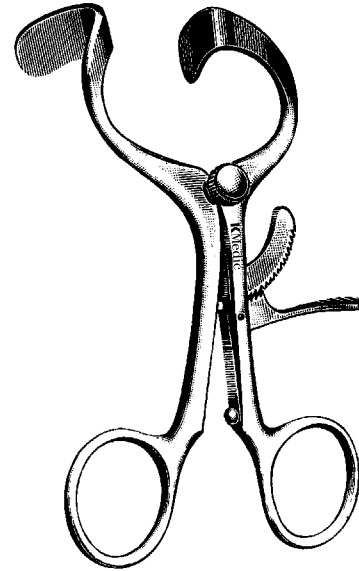


**WEITLANER RETRACTOR**  
 KM 52-492 4" sharp 2x3 prongs 13mm depth x 13mm height  
 KM 52-494 4" blunt 2x3 prongs 13mm depth x 13mm height



**WEITLANER RETRACTOR**

KM 52-498	KM 52-518
5½" sharp	5½" blunt
3x4 prongs	3x4 prongs
14mm depth x	14mm depth x
18mm height	18mm height



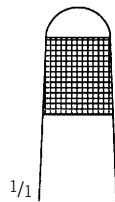
**MALTZ-SEEBURGER RETRACTOR**

KM 58-240  
4½"

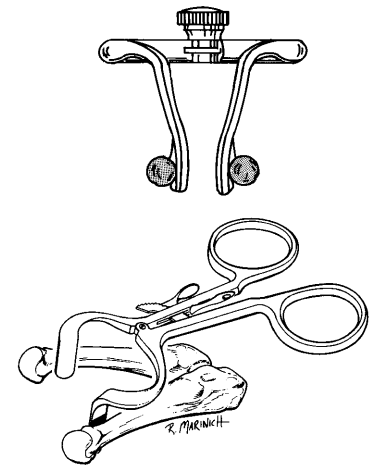


**P.I. COX METATARSAL SPREADER**

KM 69-990  
4½"  
8mm width x 28mm depth blades

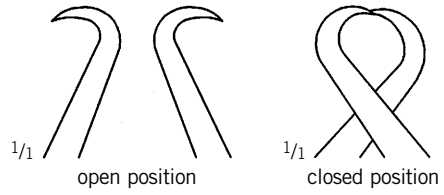
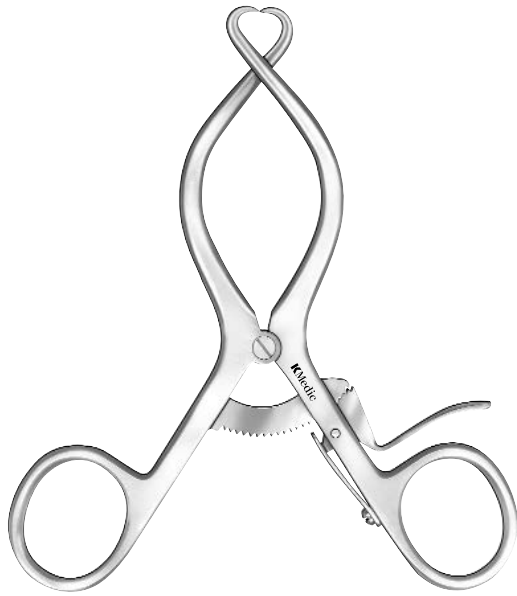


- Specially designed thin serrated blades fit anatomically correct against the metatarsals.
- Precise design assures slip-proof hold on metatarsals.
- Affords excellent visibility for the surgeon.
- Designed by Dr. Kenneth Cox.
- A KMedic exclusive.



Instrument design approved by  
The Podiatry Institute®

**RETRACTORS**

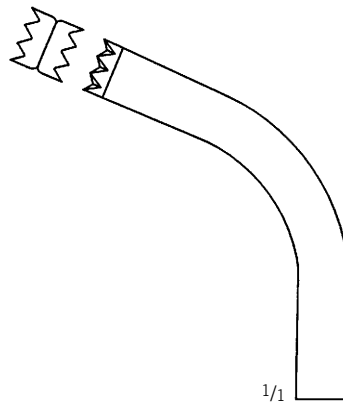


- Designed to aid in the removal of interdigital neuroma.
- Tips overlap in closed position making insertion and removal of retractor easier.
- Provides excellent visibility of neuroma when retractor is in open position.

**JOHNSON NEUROMA RETRACTOR**  
 KM 52-782  
 5½" sharp

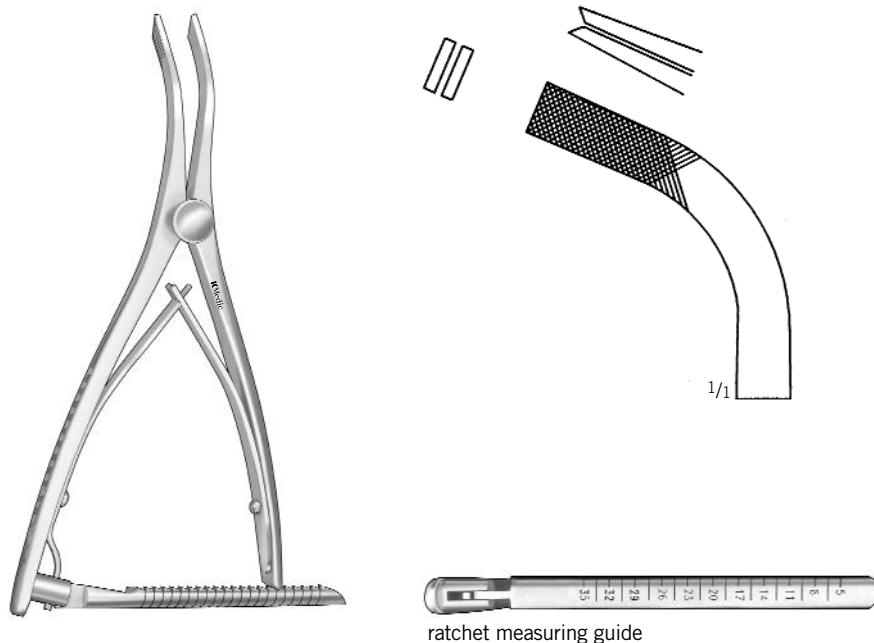


*Available with  
 or without teeth.*



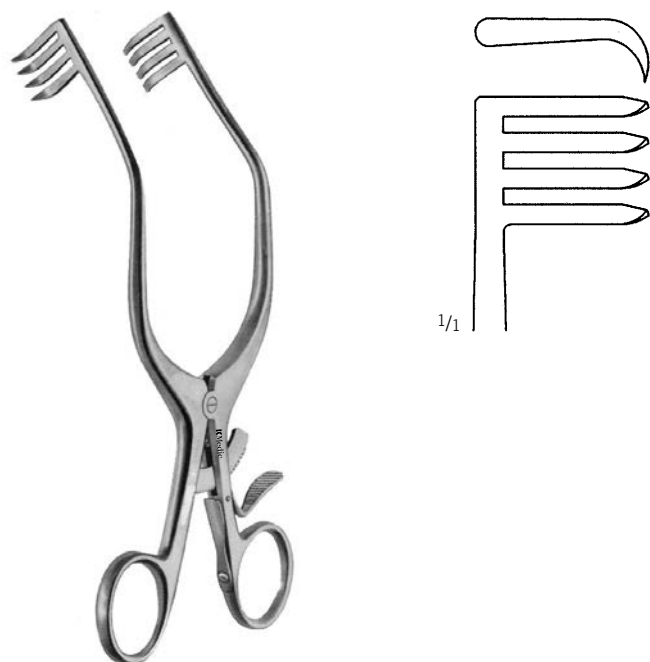
**INGE RETRACTOR**  
 KM 48-217  
 6½" with teeth  
 KM 48-218  
 6½" without teeth





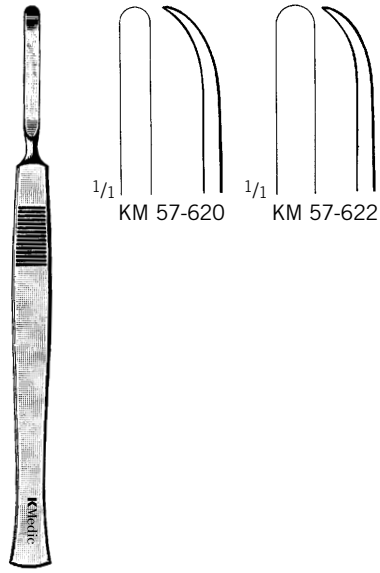
- Ratchet is graduated up to 35 millimeters to accurately assess how wide the lateral portion of the bone graft needs to be.
- Useful in many types of procedures to accurately assess the amount of bone graft needed, such as for fusions and nonunions.
- Narrow tips allow for easy entrance into small incisions.
- Serrated tips for non-traumatic tissue abrasion.
- Available exclusively from KMedic.

**SAXENA BONE GRAFTING RETRACTOR**  
 KM 48-220  
 6½"  
 35mm graduated ratchet



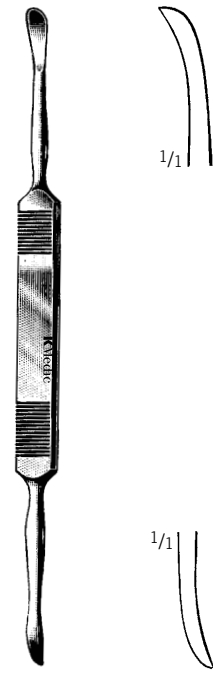
**ADSON RETRACTOR**  
 KM 52-444  
 7½" angled  
 4x4 sharp prongs  
 18mm depth x 18mm height

**ELEVATORS**



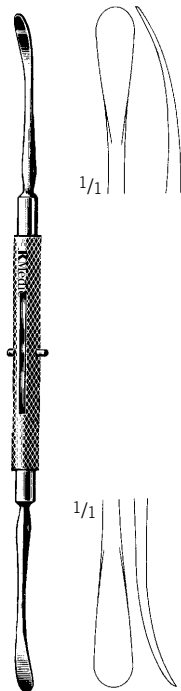
**MCKENTY ELEVATOR**

KM 57-620      KM 57-622  
 5½" semi-sharp      5½" semi-sharp  
 4mm                      5mm



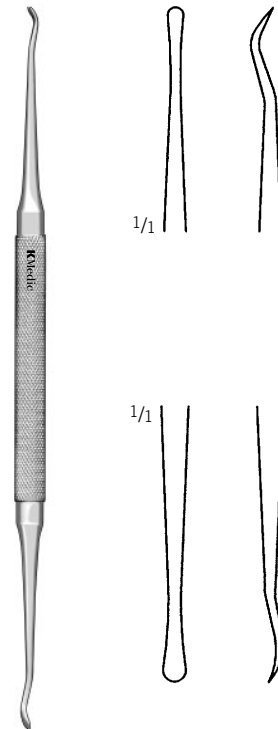
**OHL ELEVATOR**

KM 57-612  
 7" double ended  
 6mm semi-sharp end  
 and 5mm sharp end





**FREER ELEVATOR**

KM 57-614  
 7½" double ended  
 5mm sharp end  
 and 5mm blunt end



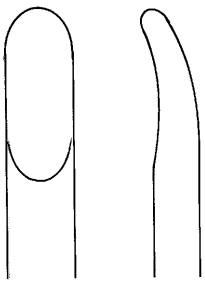
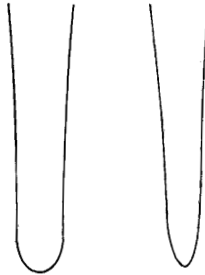


**KLEINERT KUTZ  
 ELEVATOR AND DISSECTOR**



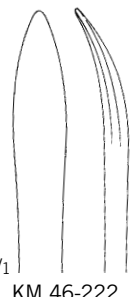
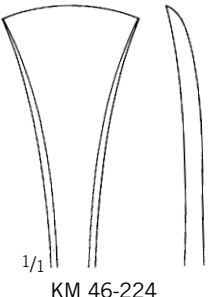
KM 57-615  
 7¾"  
 2mm x 3mm sharp ends



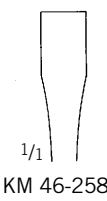
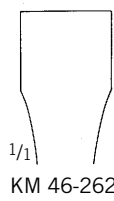
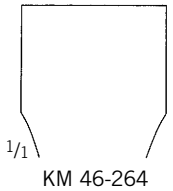
**SMITHWICK HOOK AND DISSECTOR**  
 KM 49-320  
 12" double ended  
 5mm semi-sharp end  
 and 1x10mm blunt hook


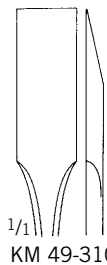
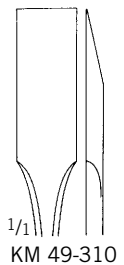
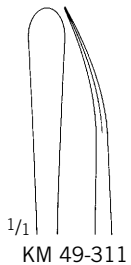
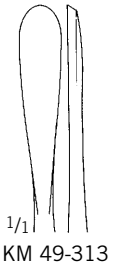
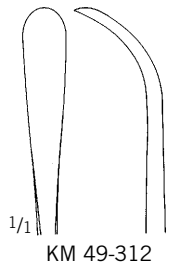
**SAYRE PERIOSTEAL ELEVATOR** 6½"  
 KM 58-075 sharp, double ended  
 5mm end and 9mm end  
 KM 58-076 blunt, double ended  
 5mm end and 9mm end

**LANGENBECK ELEVATOR**  
 KM 46-222 7¾" blunt edge  
 width: 6mm  
 KM 46-224 7¾" sharp edge  
 width: 17mm

**KEY PERIOSTEAL ELEVATOR** sharp edge  
 KM 46-258 7" ¼" width  
 KM 46-260 7½" ¾" width  
 KM 46-262 7½" ½" width  
 KM 46-264 8" ¾" width

**ADSON PERIOSTEAL ELEVATOR** 6¾"  
 KM 49-310 sharp 7mm straight  
 KM 49-311 blunt 7mm curved  
 KM 49-313 semi-sharp 7mm straight  
 KM 49-312 semi-sharp 7mm curved

**ELEVATORS**



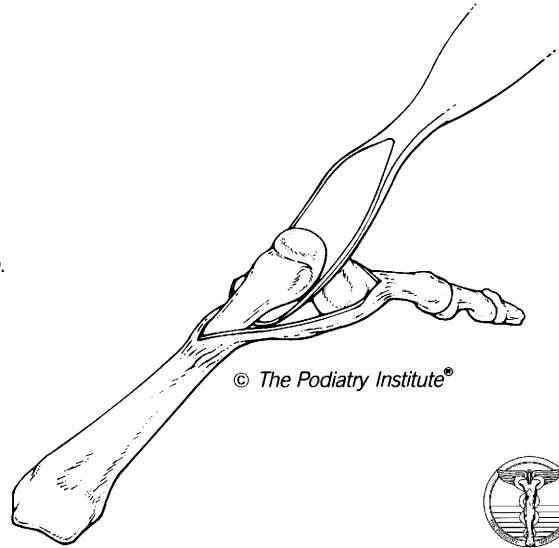
$\frac{1}{1}$   
KM 69-760  
6½" sharp  
11mm

KM 69-762  
6½" sharp  
13mm

KM 69-764  
6½" sharp  
15mm

KM 69-766  
6½" sharp  
17mm

*For foot surgeons, the McGlamry® Elevator is indispensable. It's the perfect tool to deglove a metatarsal head. And, it's invaluable in numerous other procedures.*



© The Podiatry Institute®

**MCGLAMRY® ELEVATOR** sharp edge



Instrument design approved by  
The Podiatry Institute®



**METATARSAL ELEVATOR** sharp edge  
KM 69-758 6½", 9mm



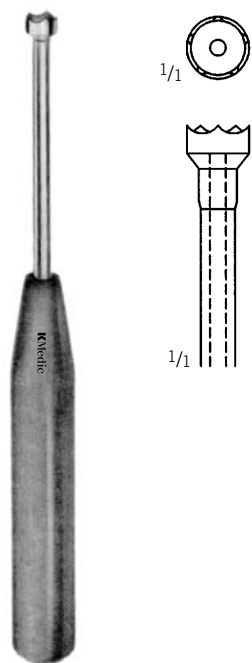
$\frac{1}{2}$   
KM 46-244  
7½" blunt  
fully curved  
width: ⅝" (15mm)

$\frac{1}{2}$   
KM 46-245  
7½" blunt  
slightly curved  
width: ⅝" (15mm)

$\frac{1}{2}$   
KM 46-246  
7¾" blunt  
fully curved  
width: ⅝" (7mm)

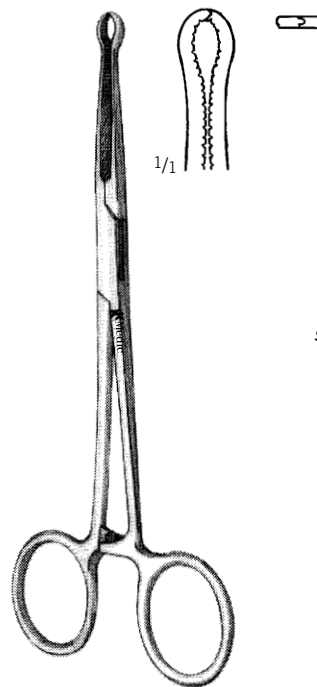
$\frac{1}{2}$   
KM 46-248  
8" blunt  
slightly curved  
width: ⅝" (7mm)

**CREGO ELEVATOR**  
blunt edge



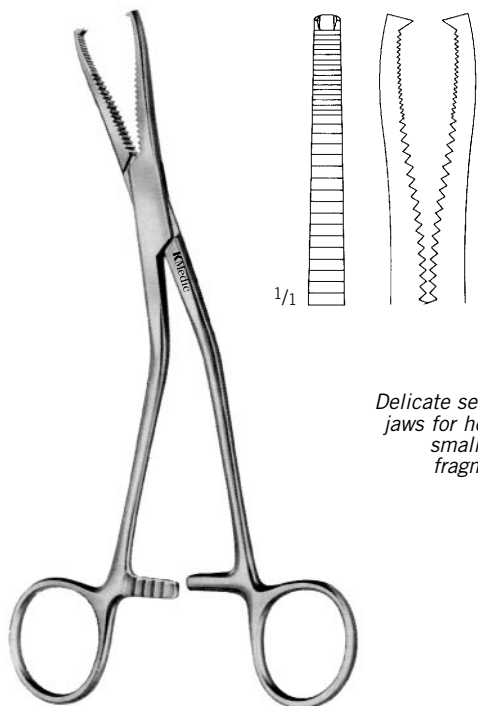
*Helpful for fixating a fracture particle with K-Wire. Cannulation accepts wires up to 2.0mm.*

**CROWN FIXATOR**  
 KM 49-910  
 6½" cannulated



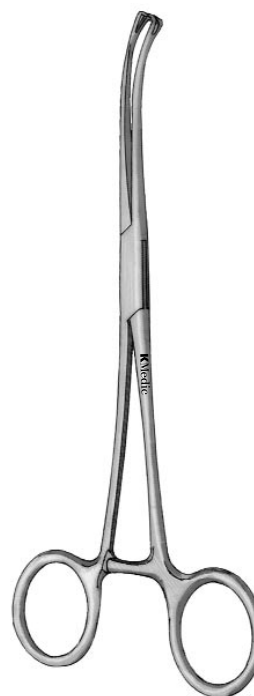
*Very useful for removing the sesamoid bone.*

**LOCKE PHALANGEAL FORCEPS**  
 KM 69-787  
 6", 1x2 teeth serrated jaws



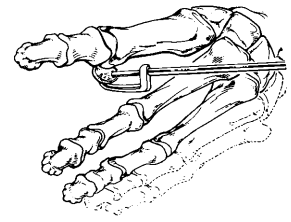
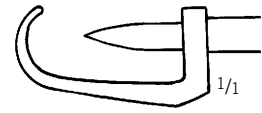
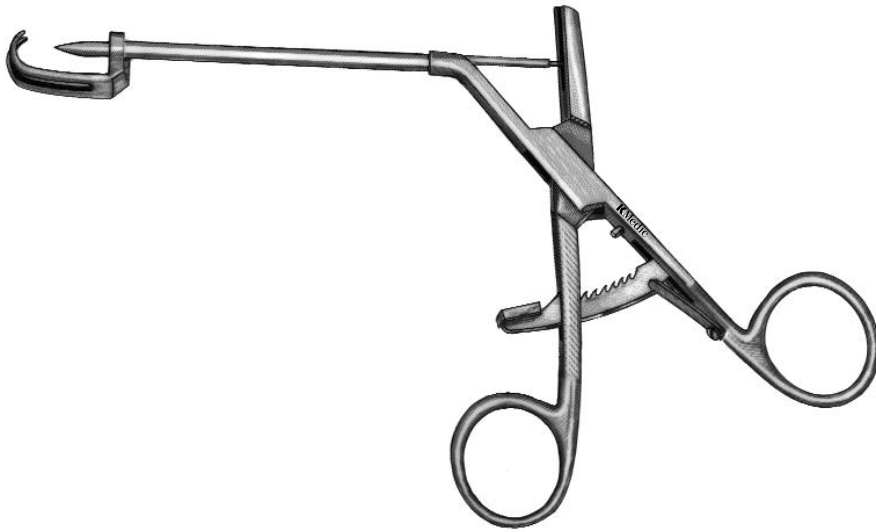
*Delicate serrated jaws for holding small bone fragments.*

**DINGMAN CARTILAGE AND BONE CLAMP**  
 KM 46-804  
 7½" angular  
 2x2 sharp teeth serrated jaws



**SESAMOIDECTOMY CLAMP**  
 KM 69-795  
 6½" slightly curved

**BONE HOLDING INSTRUMENTS**



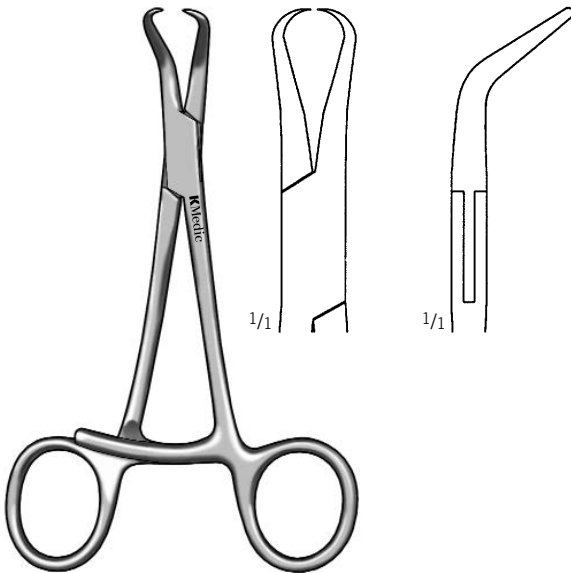
*Designed to grasp and hold a sesamoid while dissecting it free.*

*The sesamoid is first exposed within the capsule, then the two-pronged tip is hooked beneath the sesamoid. The plunger is then seated in the bone to secure it for manipulation and dissection.*

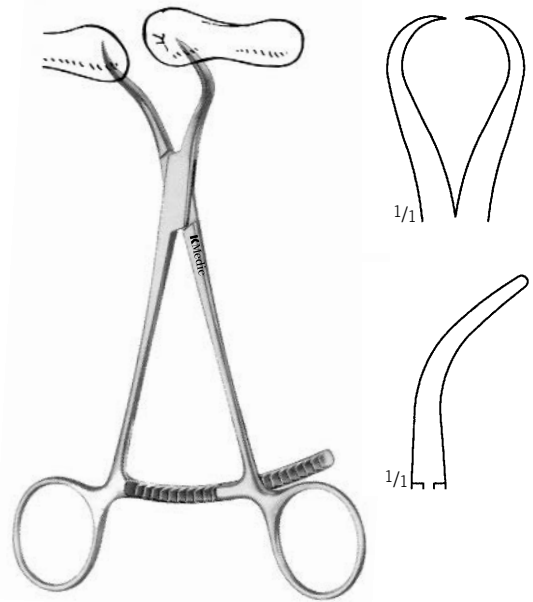
**P.I. VOGEN SESAMOID CLAMP**  
KM 69-827  
4" shaft



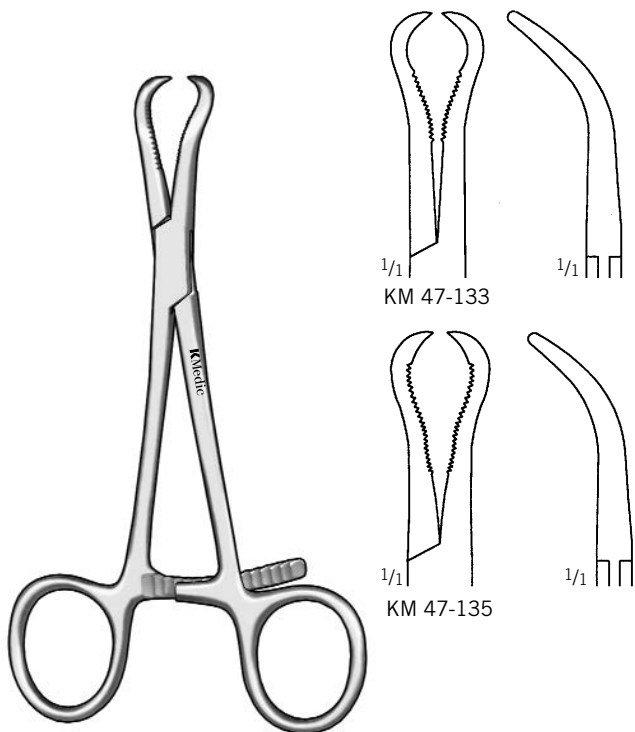
Instrument design approved by  
The Podiatry Institute®



**STAGBETLE BONE REDUCTION FORCEPS**  
KM 47-119  
4 3/4" curved  
pointed tips

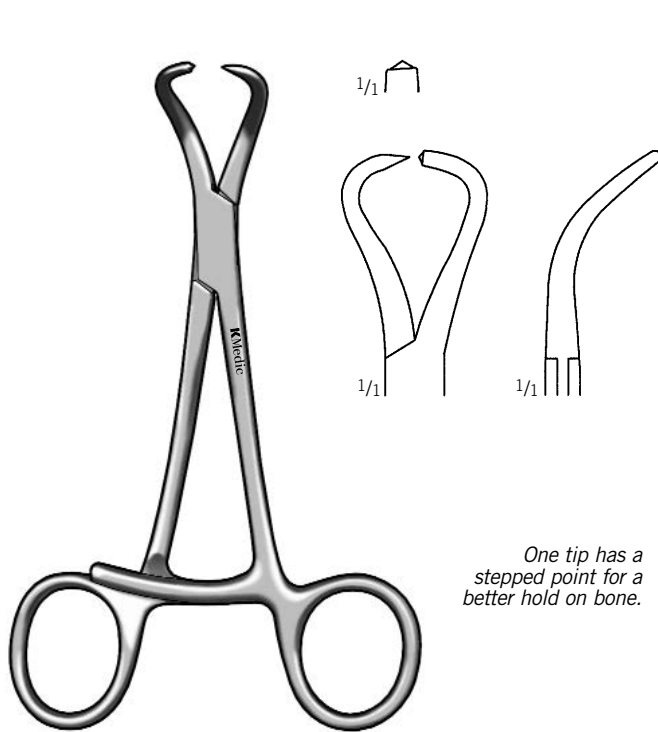


**BONE REDUCTION FORCEPS**  
KM 45-300  
5" curved  
pointed tips



**BONE REDUCTION FORCEPS**

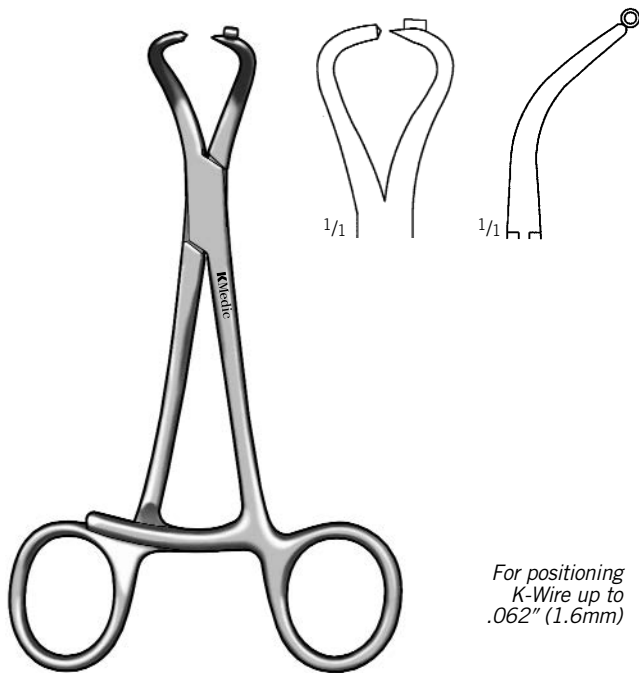
serrated with pointed tips  
 KM 47-133      KM 47-135  
 5" curved      5½" curved  
 narrow      broad



**BONE REDUCTION FORCEPS**

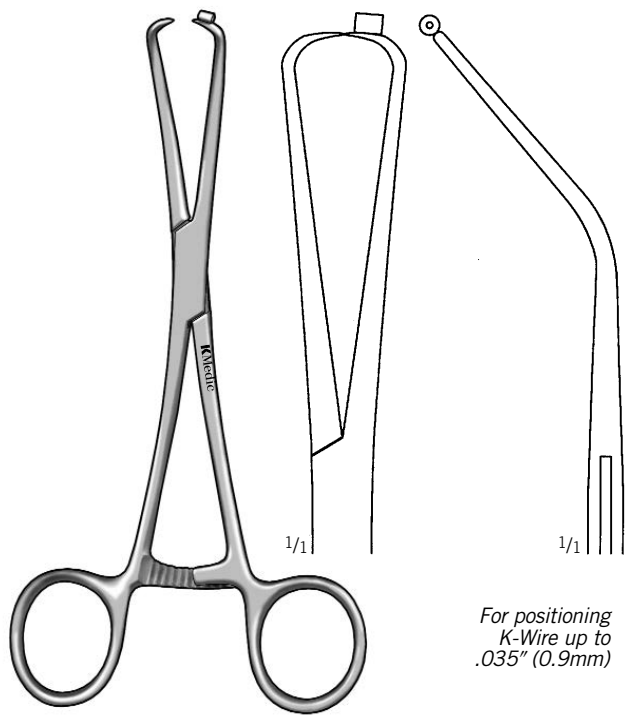
with stepped point  
 KM 47-137      KM 47-136  
 5¼" curved      6¾" curved

*One tip has a stepped point for a better hold on bone.*



**BONE HOLDING FORCEPS** with K-Wire guide  
 KM 45-304  
 5¼" curved  
 with 1.6mm K-Wire guide

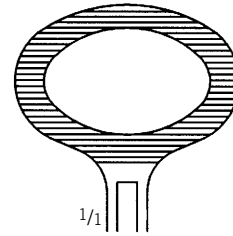
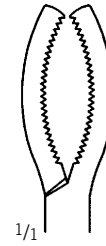
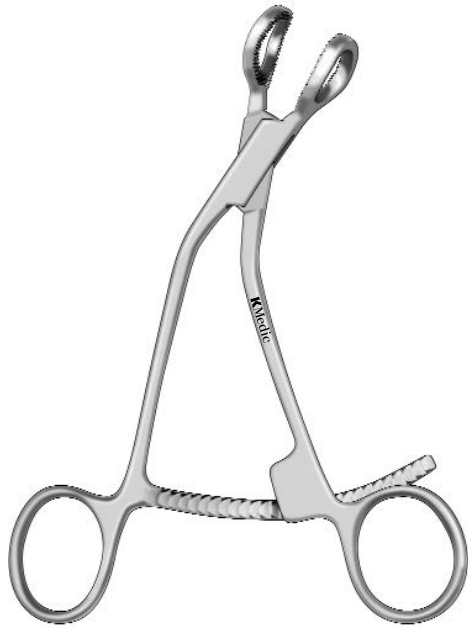
*For positioning K-Wire up to .062" (1.6mm)*



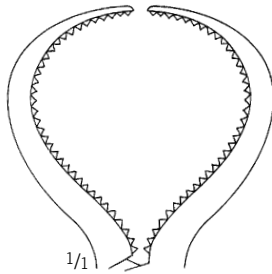
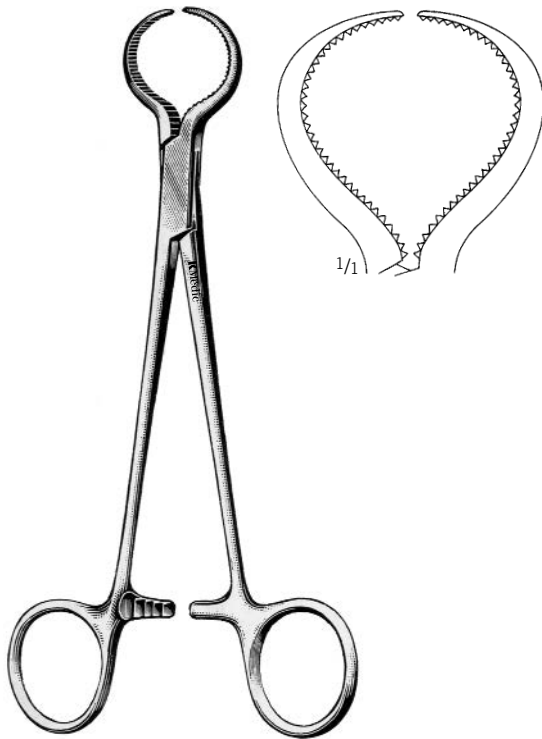
**BONE HOLDING FORCEPS** with K-Wire guide  
 KM 45-302  
 6¾" curved  
 with 0.9mm K-Wire guide

*For positioning K-Wire up to .035" (0.9mm)*

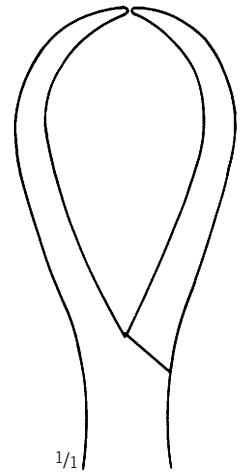
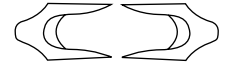
**BONE HOLDING INSTRUMENTS**



**BONE HOLDING FORCEPS** with fenestration  
 KM 47-129  
 6" angular  
 inside fenestration: 22mm x 14mm  
 outside fenestration: 30mm x 20mm  
 ratchet length: 3"

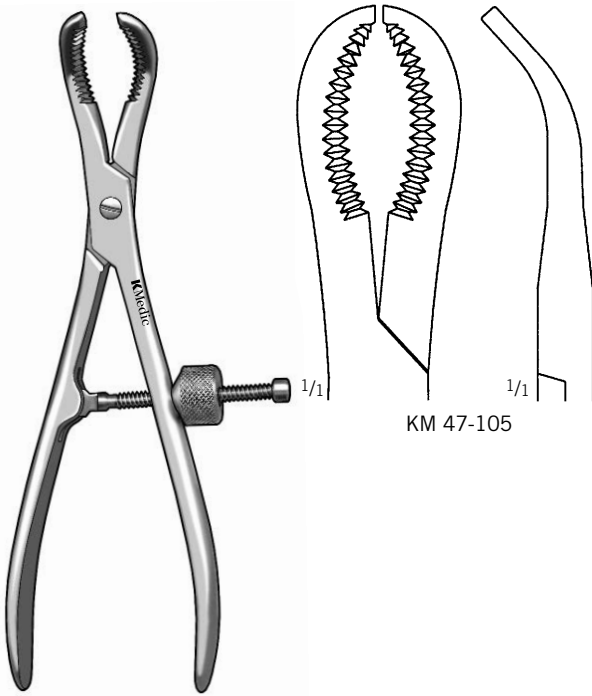


**LEWIN BONE FORCEPS**  
 KM 47-130  
 7" serrated  
 slightly curved



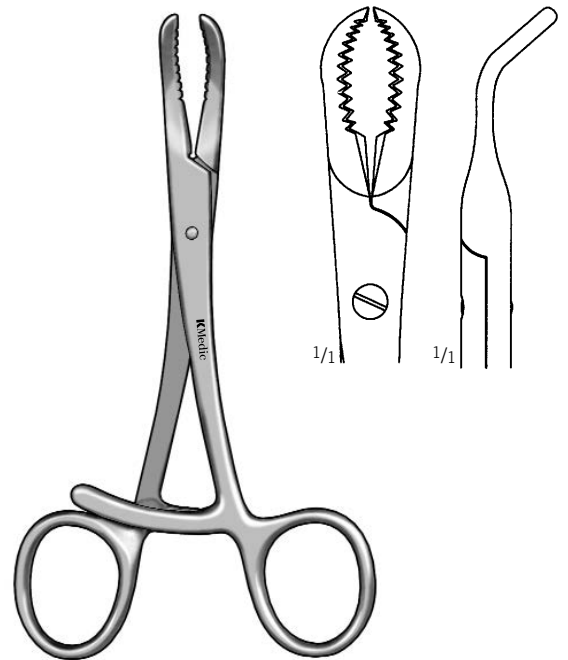
**PATELLA FORCEPS**  
 KM 47-012  
 7" with speed lock  
 2x2 sharp teeth



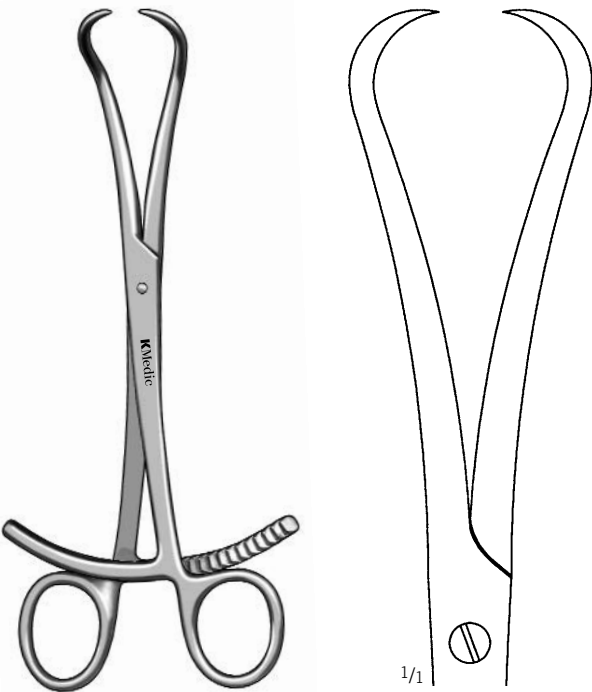


KM 47-105

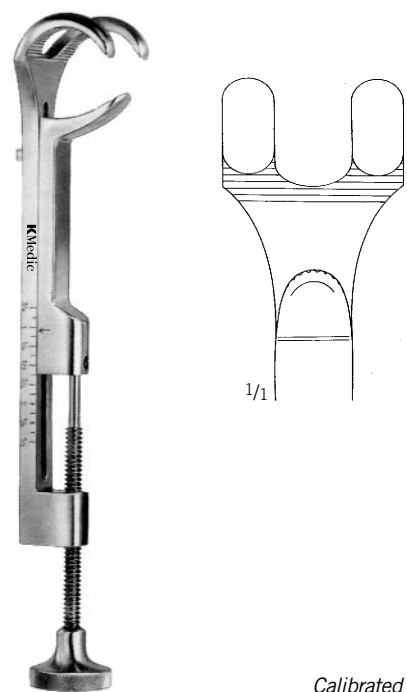
**BONE REDUCTION FORCEPS** with speed lock  
 KM 47-105 7" curved  
 KM 47-107 9" curved



**BONE REDUCTION FORCEPS**  
 KM 47-128  
 5 1/2" small  
 curved  
 ratchet length: 1 1/2"



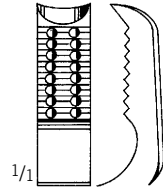
**BONE REDUCTION FORCEPS**  
 KM 47-134  
 8"  
 ratchet length: 2"  
 opens to 4"  
 With ratchet completely engaged, the jaw opening is 9mm wide.



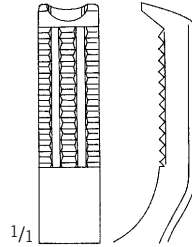
**LOWMAN BONE CLAMP**  
 KM 47-140  
 4 3/4"  
 1x2 jaws

*Calibrated in inches to measure bone diameter.*

**BONE HOLDING INSTRUMENTS**



KM 47-054  
KM 47-062



KM 47-056  
KM 47-064

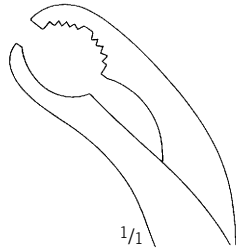
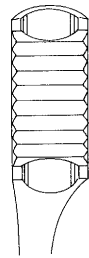


**KERN BONE FORCEPS** without ratchet  
KM 47-054  
5 3/4" mini

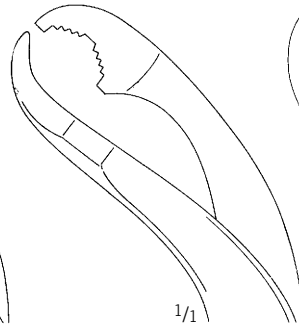
KM 47-056  
8 1/2"

**KERN BONE FORCEPS** with ratchet  
KM 47-062  
5 3/4" mini

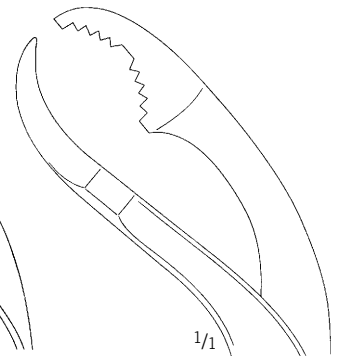
KM 47-064  
8 1/2"



1/1  
KM 47-090  
6"

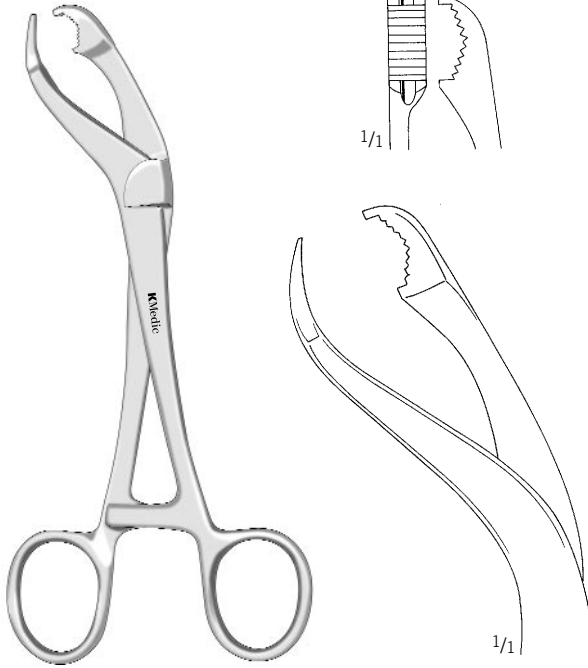


1/1  
KM 47-092  
7 1/2"

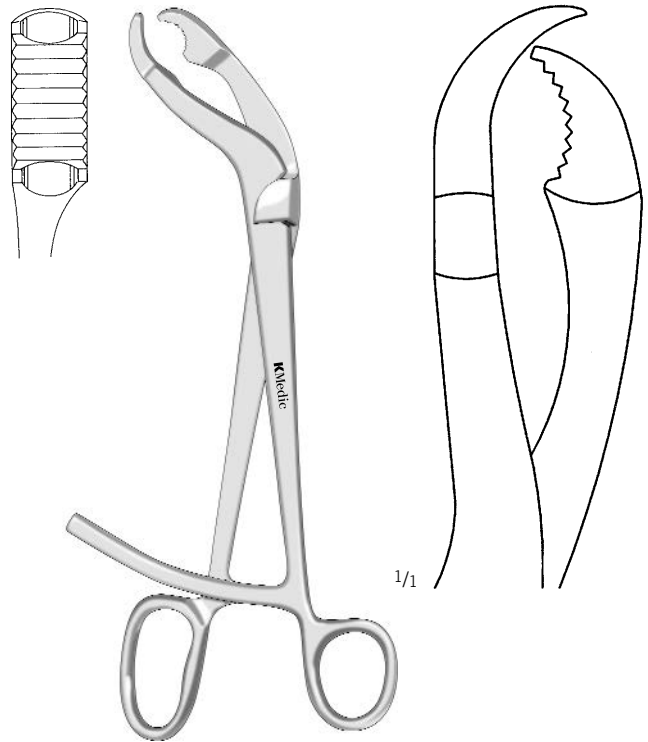


1/1  
KM 47-094  
9 1/2"

**VERBRUGGE FORCEPS** self centering, with speed lock



**VERBRUGGE BONE HOLDING FORCEPS**  
 KM 47-120  
 6 3/4"  
 with short ratchet



**VERBRUGGE BONE HOLDING FORCEPS**  
 KM 47-122  
 10"  
 with long ratchet

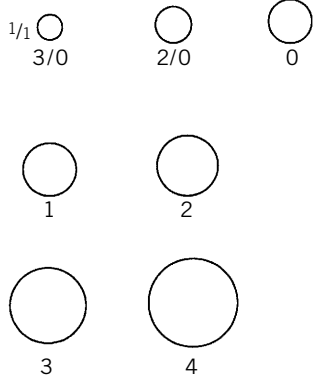
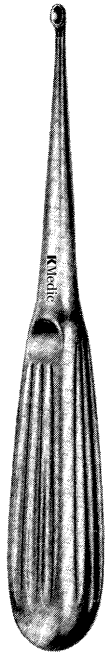


**ULRICH SELF-RETAINING FORCEPS**  
 KM 47-108  
 7 1/4" mini  
 straight, with speed lock



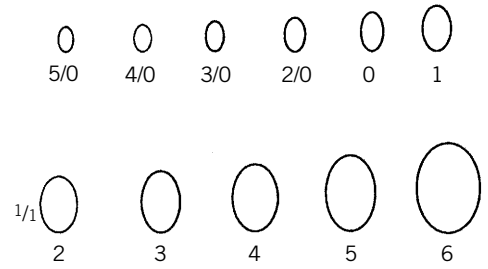
**ULRICH SELF-RETAINING FORCEPS**  
 KM 47-109  
 7 1/2"  
 angular, with speed lock

**BONE CURETTES**



**6 1/4" round cup**  
 KM 49-120 #3/0  
 KM 49-121 #2/0  
 KM 49-122 #0  
 KM 49-123 #1  
 KM 49-124 #2  
 KM 49-125 #3  
 KM 49-126 #4

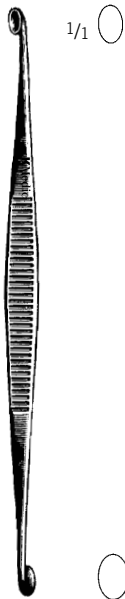
**BRUN (SPRATT) CURETTE** 6 1/4" with hollow handle, round cup



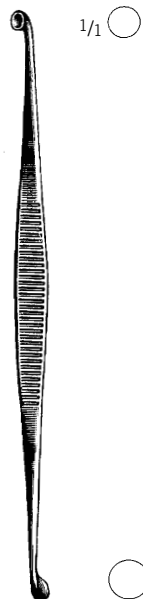
**7" oval cup**  
 KM 46-511 #5/0  
 KM 46-512 #4/0  
 KM 46-513 #3/0  
 KM 46-515 #2/0  
 KM 46-517 #0  
 KM 46-519 #1  
 KM 46-521 #2  
 KM 46-523 #3  
 KM 46-525 #4  
 KM 46-529 #5  
 KM 46-531 #6

See page 104 for  
 Brun SmartRack®  
 KM 98-160

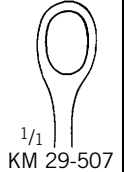
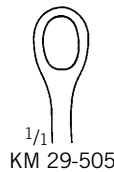
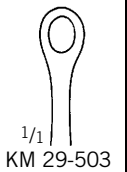
**BRUN (SPRATT) CURETTE** 7" with hollow handle, oval cup



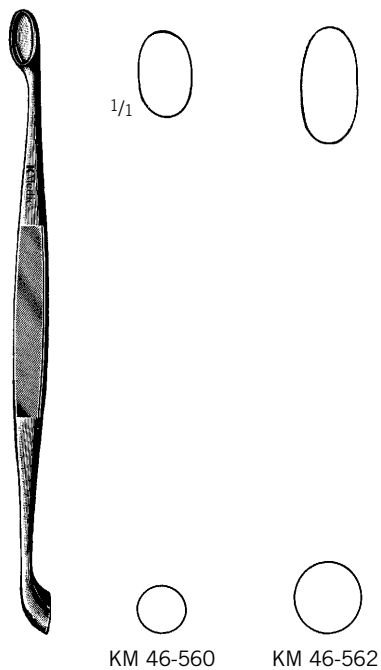
**WILLIGER BONE CURETTE**  
 KM 29-630  
 5 1/2" double ended  
 3mm and 4mm oval



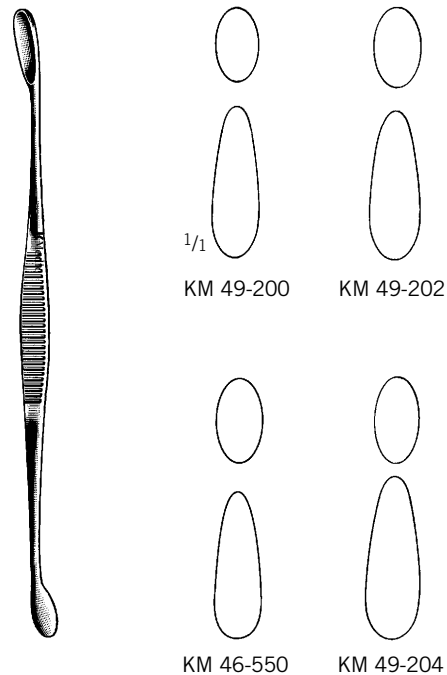
**MARTINI BONE CURETTE**  
 KM 29-620  
 5 1/2" double ended  
 4mm and 5mm round



**PIFFARD CURETTE**  
 KM 29-503 KM 29-507  
 5 1/2" small 5 1/2" large  
 KM 29-505  
 5 1/2" medium



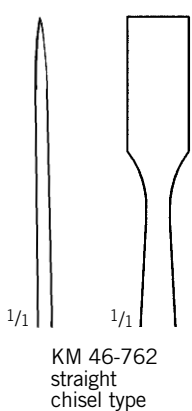
**VOLKMANN CURETTE** oval and round cups  
 KM 46-560 5"  
 KM 46-562 6½"



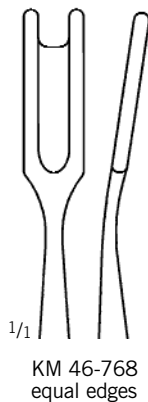
**VOLKMANN CURETTE** oval cups, double ended  
 KM 49-200 5"  
 KM 49-202 5½"  
 KM 46-550 6½"  
 KM 49-204 8"



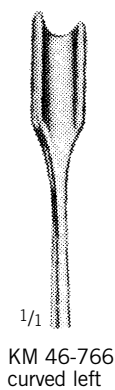
**SMILLIE KNIFE** 6¾"



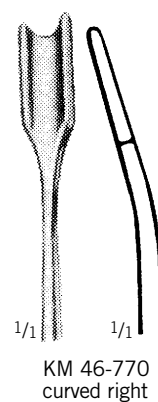
KM 46-762  
 straight  
 chisel type



KM 46-768  
 equal edges



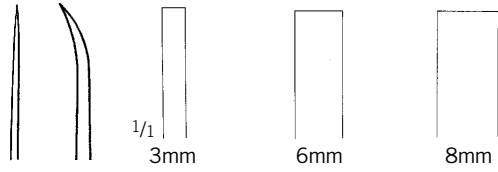
KM 46-766  
 curved left



KM 46-770  
 curved right

*Also known as a  
 meniscus knife.  
 Useful for fasciotomies.*

**OSTEOTOMES**



**straight**

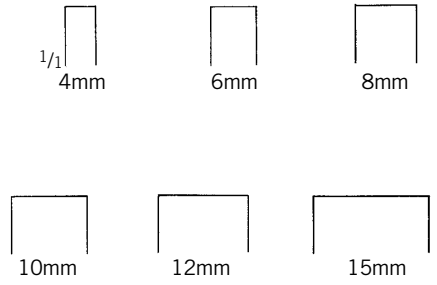
KM 46-497	1/8"	3mm
KM 46-498	3/16"	4mm
KM 46-499	1/4"	6mm
KM 46-500	5/16"	8mm
KM 46-501	3/8"	10mm
KM 46-502	1/2"	13mm
KM 46-503	5/8"	16mm
KM 46-504	3/4"	19mm

**curved**

KM 46-700	1/8"	3mm
KM 46-701	3/16"	4mm
KM 46-702	1/4"	6mm
KM 46-703	5/16"	8mm
KM 46-704	3/8"	10mm
KM 46-706	1/2"	13mm
KM 46-708	5/8"	16mm
KM 46-709	3/4"	19mm

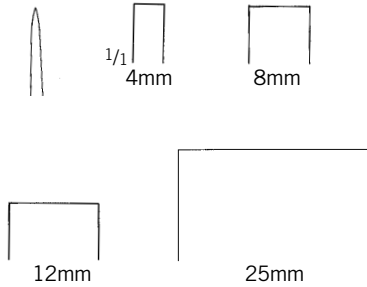
See page 104 for  
Hoke SmartRack®  
KM 98-150.

**HOKE OSTEOTOME**  
5 1/4"



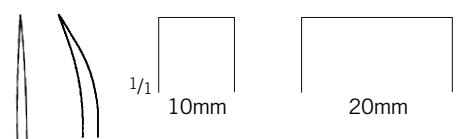
KM 46-336	4mm	KM 46-343	14mm
KM 46-338	6mm	KM 46-345	15mm
KM 46-340	8mm	KM 46-346	18mm
KM 46-342	10mm	KM 46-347	19mm
KM 46-344	12mm	KM 46-335	20mm

**MINI-LAMBOTTE OSTEOTOME**  
5" straight



KM 46-348	4mm
KM 46-349	5mm
KM 46-350	6mm
KM 46-358	8mm
KM 46-351	10mm
KM 46-352	12mm
KM 46-353	16mm
KM 46-354	19mm
KM 46-355	22mm
KM 46-356	25mm

**LAMBOTTE OSTEOTOME**  
7" straight with calibration lines



**straight**

KM 69-940	10mm
KM 69-946	20mm
KM 69-950	25mm

**curved**

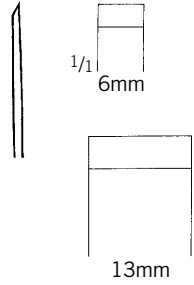
KM 69-970	5mm
KM 69-975	10mm

The unusually long bevel  
allows the cut bone to bend  
gradually as it is cut.

**P.I. OSTEOTOME**  
7" with calibration lines



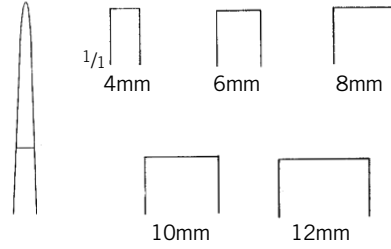
Instrument design approved by  
The Podiatry Institute®



- KM 46-505 3/16" (4mm)
- KM 46-506 1/4" (6mm)
- KM 46-507 3/8" (10mm)
- KM 46-508 1/2" (13mm)
- KM 46-509 3/4" (19mm)

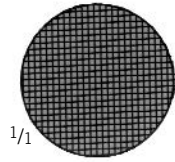
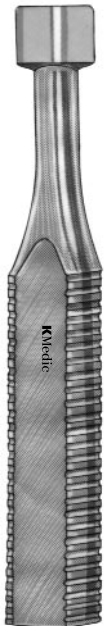
See page 104 for  
Hoke SmartRack®  
KM 98-150.

**HOKE CHISEL** 5 1/4" straight



- KM 49-260 4mm
- KM 49-262 6mm
- KM 49-264 8mm
- KM 49-266 10mm
- KM 49-268 12mm

**LEXER MINI CHISEL** 7"



*Designed to tap bone graft or bone parts into place with minimal trauma to the bone. The compactor head is nylon with a grid surface to prevent slippage.*

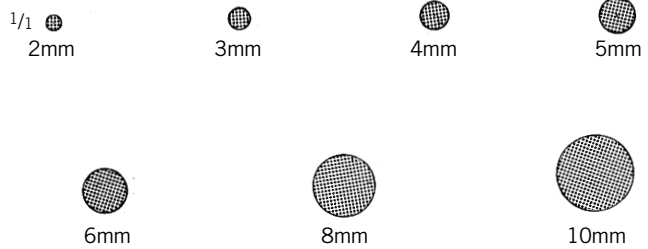
*Autoclavable to 250° F (121° C).*

**P.I. BONE IMPACTOR**

KM 69-980  
6 1/2" with replaceable nylon caps  
anodized aluminum handle  
head diameter: 20mm



Instrument design approved by  
The Podiatry Institute®



- KM 46-893 2mm diameter
- KM 46-894 3mm
- KM 46-895 4mm
- KM 46-896 5mm
- KM 46-897 6mm
- KM 46-898 8mm
- KM 46-899 10mm

**BONE TAMP** 6" with cross serrated tip

**MALLETS**



**MINI MALLET**  
 KM 49-765  
 7" solid stainless steel  
 weight: 4 oz. (120 grams)  
 head weight: 3 oz. (80 grams)  
 head diameter: 20mm



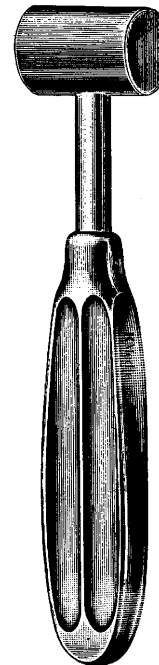
**LUCAE BONE MALLET**  
 KM 49-761  
 7½" solid stainless steel  
 weight: 7 oz. (200 grams)  
 head weight: 3 oz. (80 grams)  
 head diameter: 19mm  
 convex contact surfaces

**KM 46-660**  
 8" brass head  
 stainless steel handle  
 weight: 9 oz. (260 grams)  
 head weight: 5 oz. (150 grams)  
 head diameter: 25mm  
 convex and flat contact surfaces

*Note: Lead filled mallets should only be used to strike flat surfaces.  
 Do not use to hit sharp objects as doing so can cause lead to flake off.*



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



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





*Useful for hand surgery and in areas where access is limited.*

*Autoclavable to 290°F (143°C).*

**NARROW TIP Mallet**

KM 49-764  
 8" with phenolic handle  
 weight: 7 oz. (200 grams)  
 head weight: 3 oz. (80 grams)  
 head diameter: 18mm x 18mm (square contact surface)  
 7mm (round contact surface)



**COLLIN Mallet**

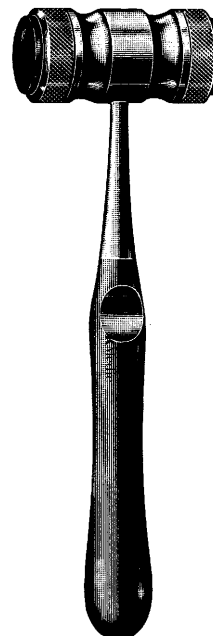
KM 49-760  
 8" solid stainless steel  
 weight: 7 oz. (200 grams)  
 head weight: 5 oz. (150 grams)  
 head diameter: 30mm



*Autoclavable to 250°F (121°C).*

**Mallet** lightweight

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

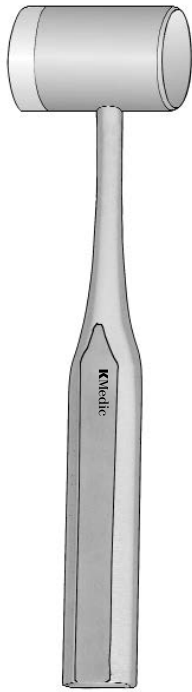


*Autoclavable to 250°F (121°C).*

**MEAD Mallet**

KM 46-657  
 7½" with replaceable nylon caps  
 weight: 11 oz. (315 grams)  
 head weight: 6 oz. (170 grams)  
 head diameter: 20mm

**MALLETS**



*Autoclavable to 250°F (121°C).*

**COMBINATION MALLET**

with one nylon cap and one solid stainless side	
KM 46-686	KM 46-687
7½"	7½"
weight: 9 oz. (260 grams)	weight: 12 oz. (340 grams)
head weight: 5 oz. (150 grams)	head weight: 8 oz. (240 grams)
head diameter: 26mm	head diameter: 30mm



*Head is brass filled and should only be used to strike flat surfaces.*

**KIRK MALLET**

KM 46-658  
 7¾" brass filled with stainless steel face  
 weight: 1 lb. 7 oz. (650 grams)  
 head weight: 1 lb. 4 oz. (570 grams)  
 head diameter: 38mm

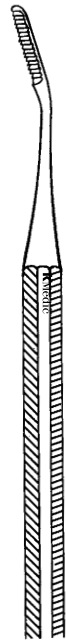


**HEATH MALLET** heavyweight

KM 46-663  
 7½" solid stainless steel  
 weight: 2 lbs. (900 grams)  
 head weight: 1 lb. 4 oz. (570 grams)  
 head diameter: 40mm



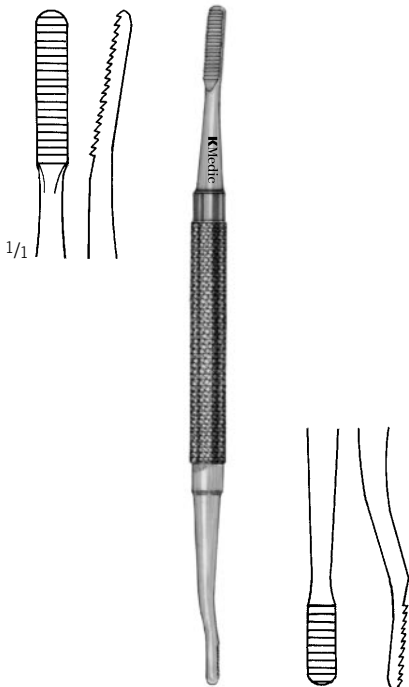
**BONE FILE #92B**  
 KM 69-534  
 6" single ended  
 2mm width angled  
 plain serrations  
 delicate



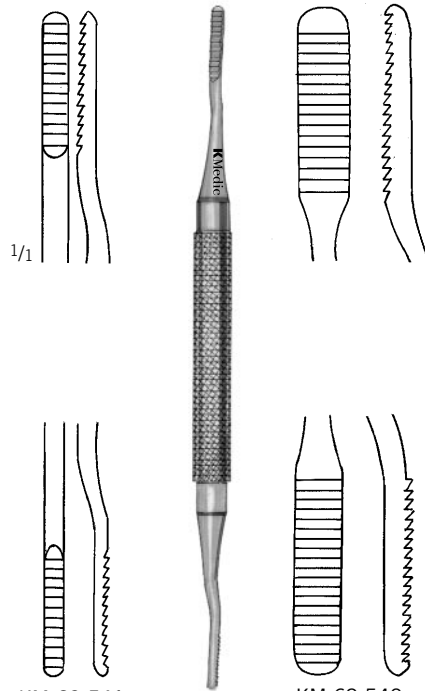
**BONE FILE #92A**  
 KM 69-530  
 6" single ended  
 2mm width angled  
 plain serrations  
 delicate



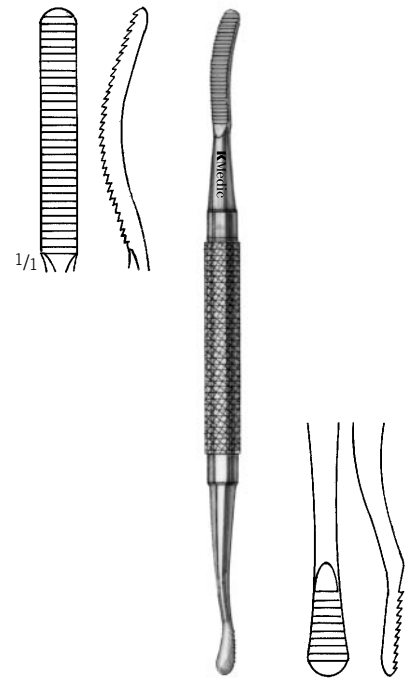
**NAIL RASP #93**  
 KM 69-538  
 6 3/4" double ended  
 2mm width angled



**BONE RASP #64**  
 KM 58-070  
 7" double ended  
 3mm and 4mm width  
 plain serrations



**POLOKOFF RASP** plain serrations  
 KM 69-541 7" double ended 3mm and 4mm width  
 KM 69-540 8 1/2" double ended 6mm width



**BONE FILE #10**  
 KM 69-542  
 7" double ended  
 5mm width  
 plain serrations

**FILES AND RASPS**

**BONE FILE #12**  
 KM 69-543  
 7" double ended  
 7mm and 5mm width  
 plain serrations

**BONE FILE #12A**  
 KM 69-544  
 7" double ended  
 5mm width  
 plain and cross serrations

**BONE FILE #12CA**  
 KM 69-545  
 7" double ended  
 5mm and 7mm width  
 cross serrations

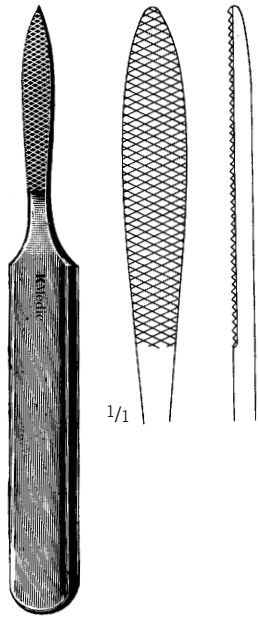
**BONE FILE #33**  
 KM 69-546  
 7" double ended  
 6mm and 5mm width  
 plain serrations

**BONE FILE #45**  
 KM 69-549  
 7 1/4" double ended  
 6mm and 5mm width  
 plain serrations

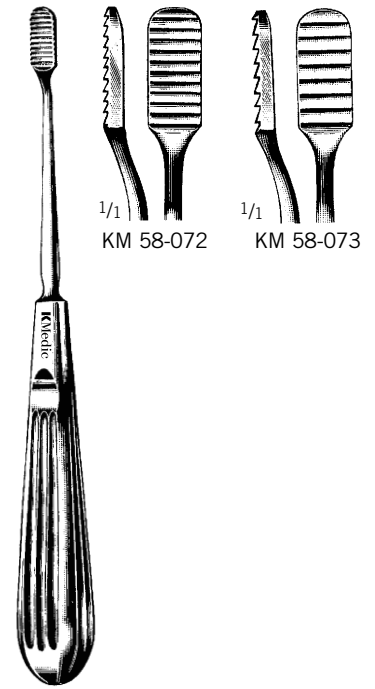
**P.I. BONE RASP**  
 KM 69-547  
 8 1/2" double ended  
 13mm width  
 fine and coarse cross serrations

*For rapid shaping of bone.*

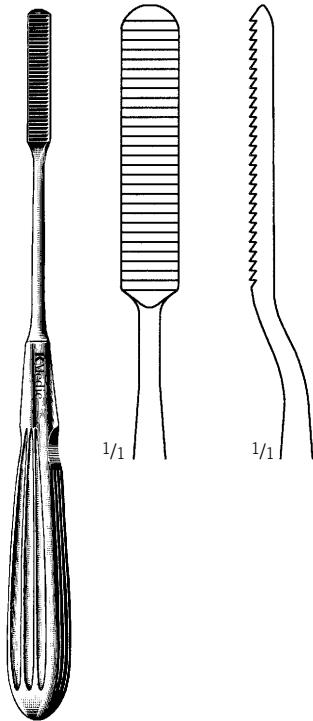




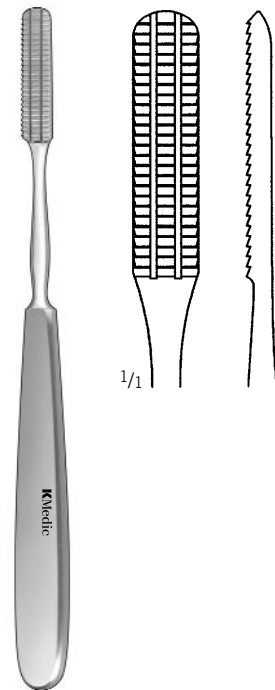
**JOSEPH RASP**  
 KM 58-068  
 6 1/4" single ended  
 8mm at widest point  
 fine cross serrations



**LEWIS RASP** plain serrations  
 KM 58-072 KM 58-073  
 7 1/2" fine 7 1/2" coarse  
 single ended single ended  
 8mm width 8mm width

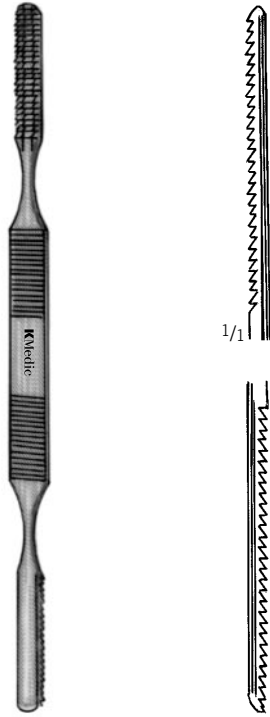


**COTTLE RASP**  
 KM 58-066  
 8" single ended  
 backward cutting  
 7.5mm width  
 plain serrations

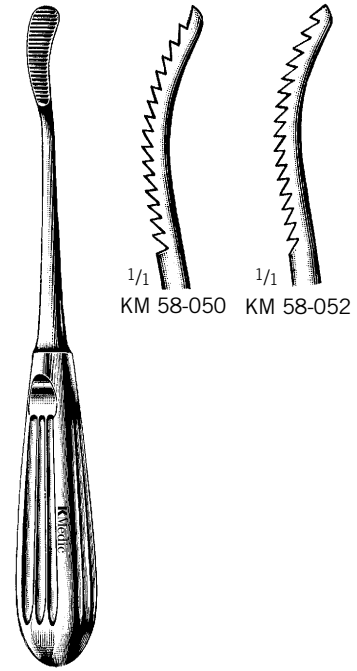


**MALTZ RASP**  
 KM 58-060  
 7" single ended  
 backward cutting  
 10mm width

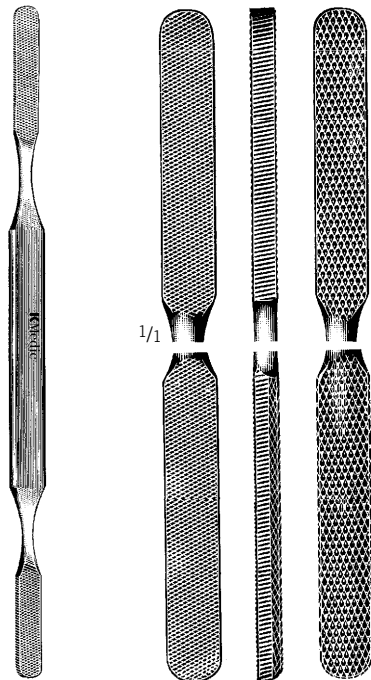
**FILES AND RASPS**



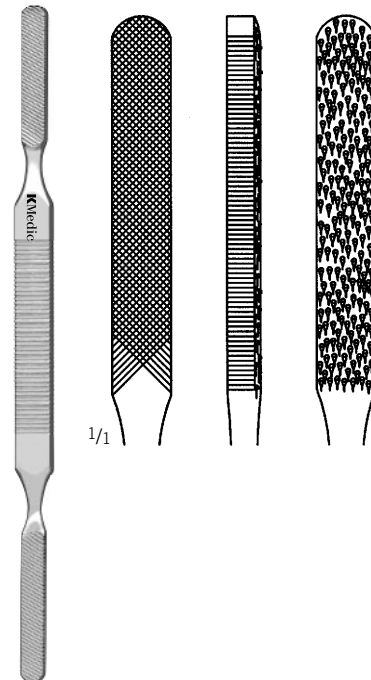
**MALTZ RASP IMPROVED**  
 KM 58-062  
 8 1/4" double ended  
 8mm width  
 forward and backward cutting



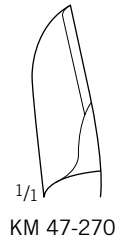
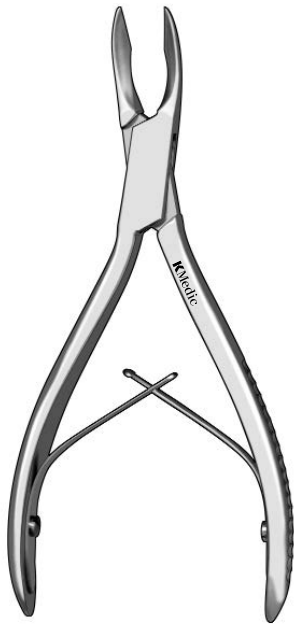
**AUFRICHT RASP** 8 1/4"  
 KM 58-050      KM 58-052  
 single ended      single ended  
 forward cutting      backward cutting  
 9mm width      9mm width



**FOMON RASP**  
 KM 46-655  
 8 1/2" double ended  
 fine and coarse teeth  
 4-sided, convex and flat blades  
 8mm width



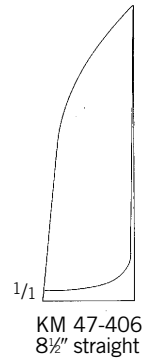
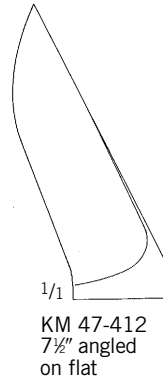
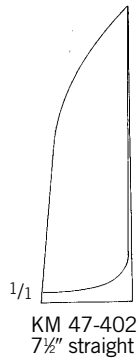
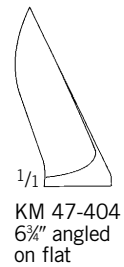
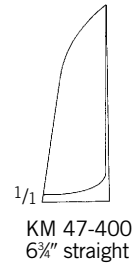
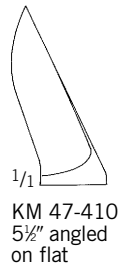
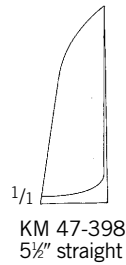
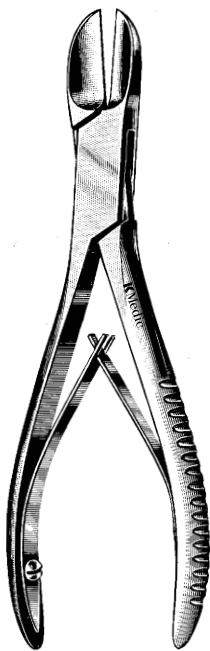
**KLEINERT KUTZ RASP**  
 KM 46-653  
 8 1/2" double ended  
 fine and coarse teeth  
 4-sided, convex and flat blades  
 8mm width



*For small bones.*

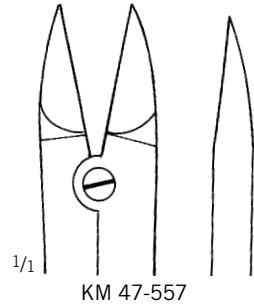
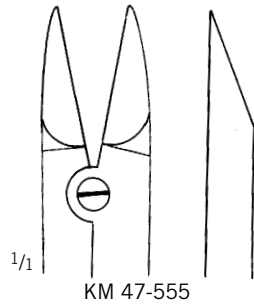
**BONE CUTTING FORCEPS (CLEVELAND)**

KM 47-270      KM 47-272  
5 3/4"          6 1/2"

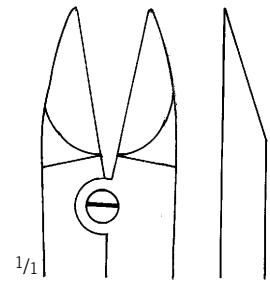
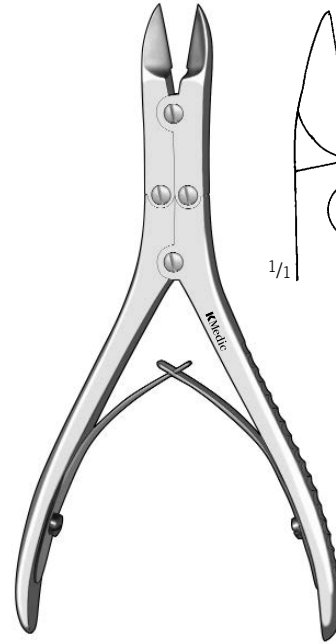


**LISTON BONE FORCEPS**

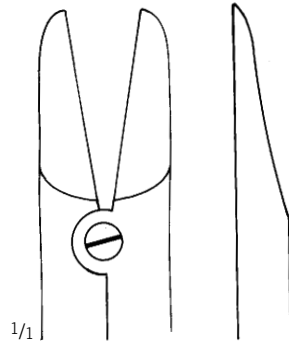
**BONE CUTTING FORCEPS**



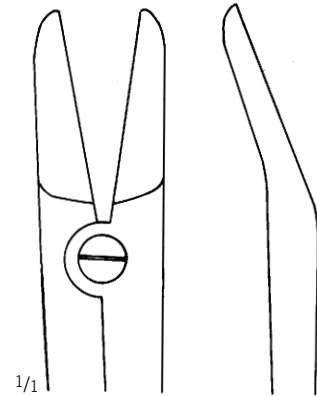
**KLEINERT-KUTZ FORCEPS 6"**  
 KM 47-555 straight delicate blades  
 KM 47-557 curved delicate blades



**RUSKIN-LISTON FORCEPS**  
 KM 47-550  
 6" straight



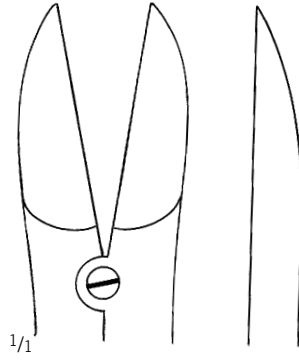
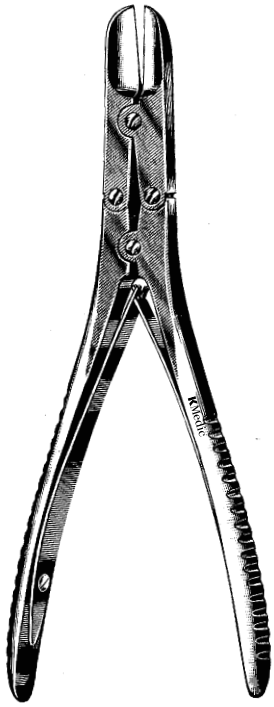
KM 47-540  
 7 1/2" straight delicate blades



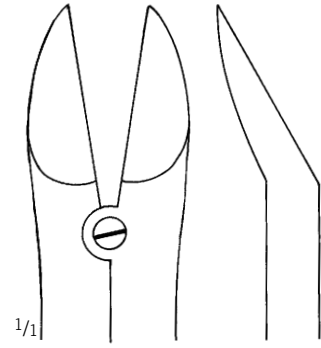
KM 47-541  
 7" angled on flat delicate blades

**RUSKIN-LISTON FORCEPS**



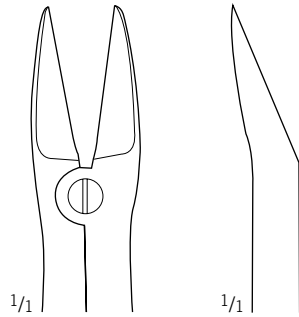


KM 47-538  
7½" straight



KM 47-542  
7¼" angular

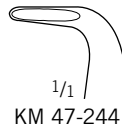
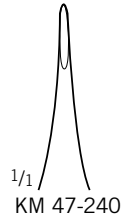
**RUSKIN-LISTON FORCEPS**



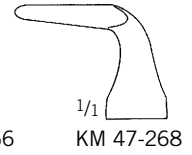
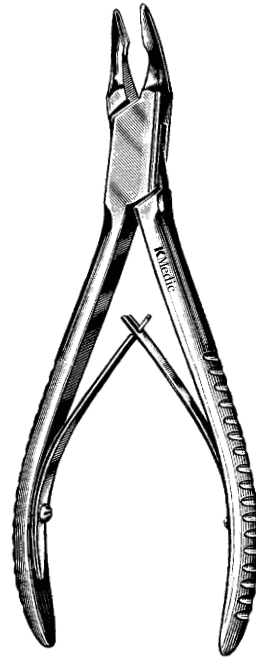
**MCINDOE FORCEPS**  
KM 47-546  
7" angled  
very delicate blades

**RONGEURS**

*For soft tissue and cancellous bone only.*



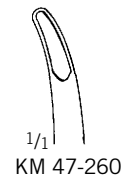
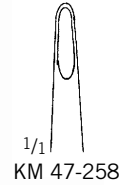
**MICRO FRIEDMAN RONGEUR 5 1/2"** extremely delicate  
 KM 47-240 straight 1.5x5mm bite  
 KM 47-242 30° angled 1.5x5mm bite  
 KM 47-244 90° angled 1.5x5mm bite



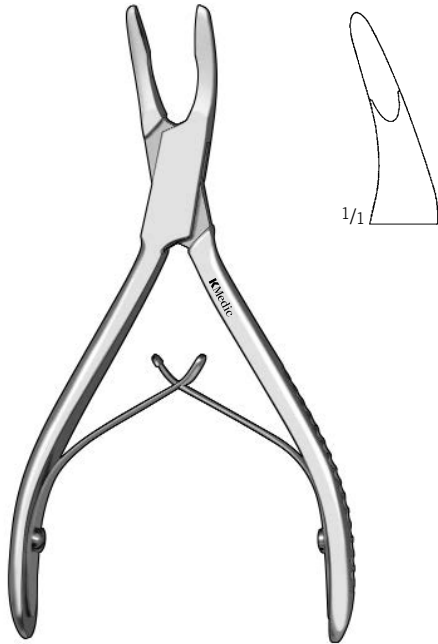
**DEAN (BLUMENTHAL) RONGEUR 6"**  
 KM 47-266 curved 30° 4x11mm bite  
 KM 47-268 curved 90° 4x11mm bite



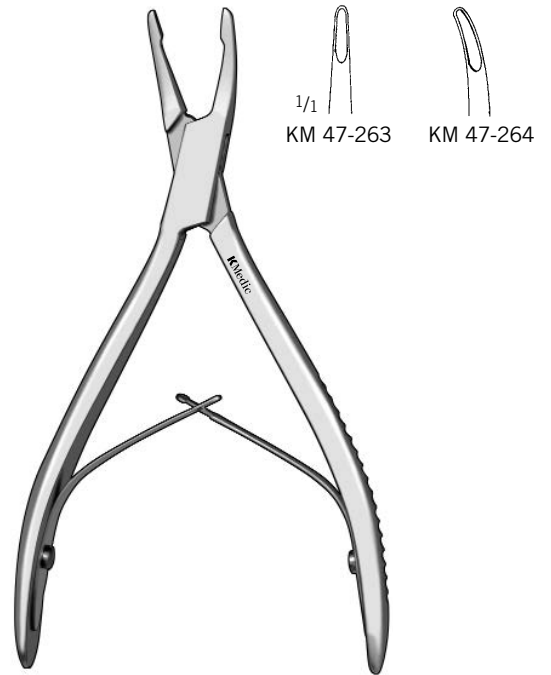
**CHICHIRELLI RONGEUR (BLUMENTHAL)**  
 KM 47-267  
 6" curved 45°  
 4x13mm bite



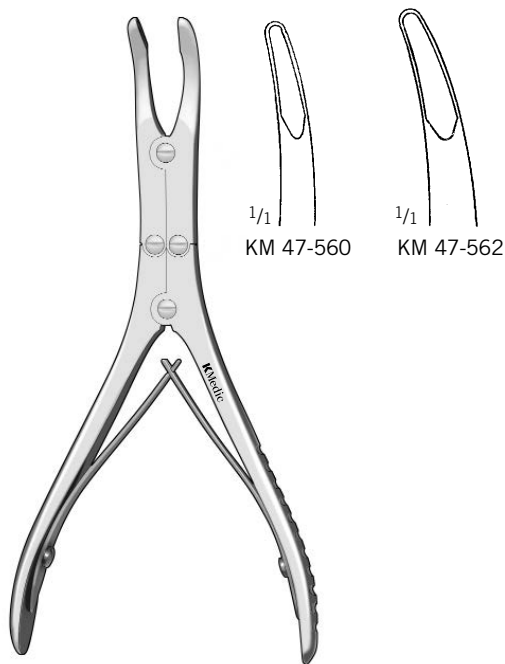
**LEMPERT RONGEUR 6"**  
 KM 47-258 straight delicate 3x7mm bite  
 KM 47-260 curved delicate 3x7mm bite



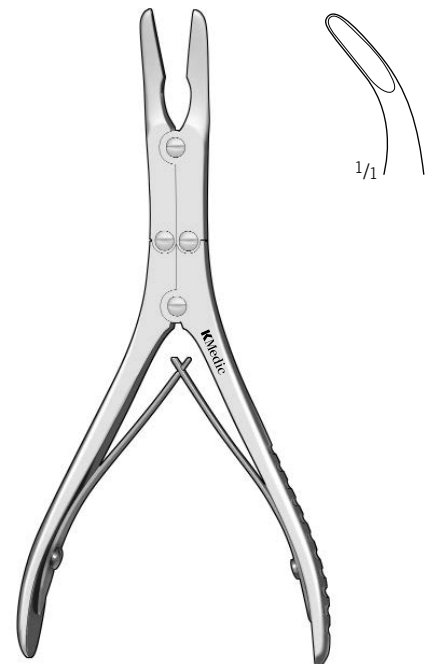
**FRIEDMAN RONGEUR**  
 KM 47-262  
 5½" curved delicate  
 4x11mm bite



**MINI FRIEDMAN RONGEUR 6"**  
 KM 47-263 straight delicate 2x8mm bite  
 KM 47-264 curved delicate 2x8mm bite

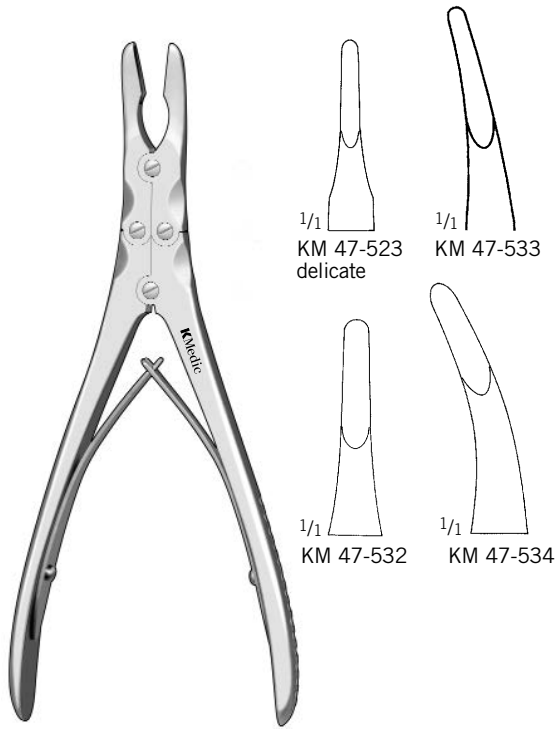


**KLEINERT-KUTZ RONGEUR 6"**  
 KM 47-560 slight curve delicate 2x13mm bite  
 KM 47-562 slight curve delicate 3x16mm bite

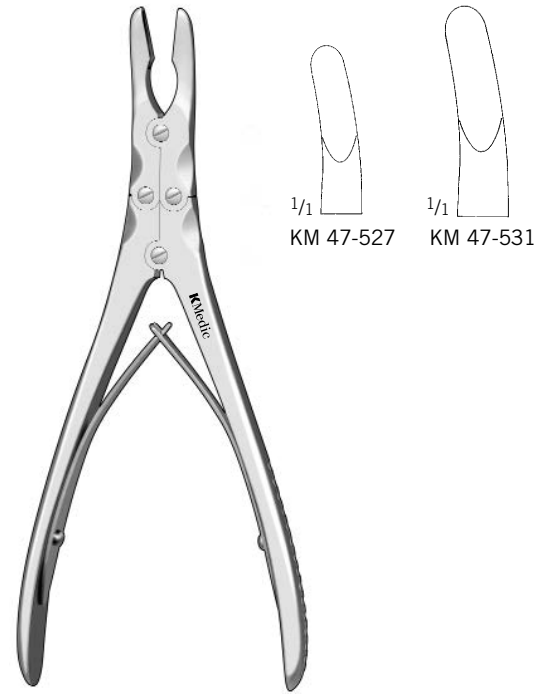


**KLEINERT-KUTZ RONGEUR**  
 KM 47-558  
 6" full curve delicate  
 3x8mm bite

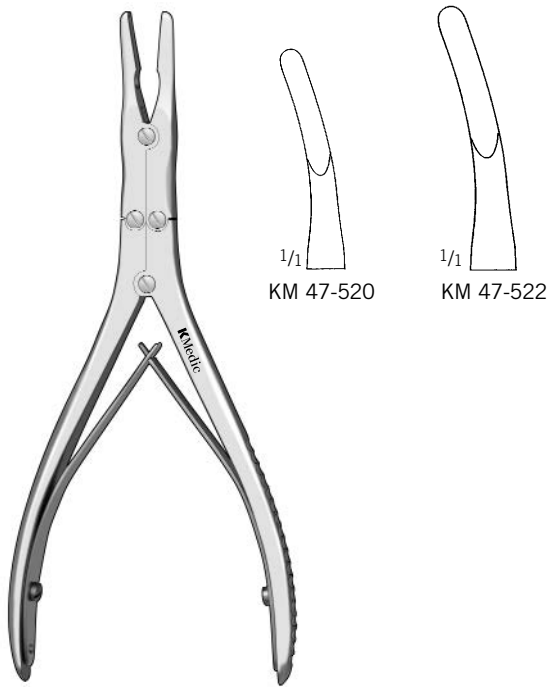
**RONGEURS**



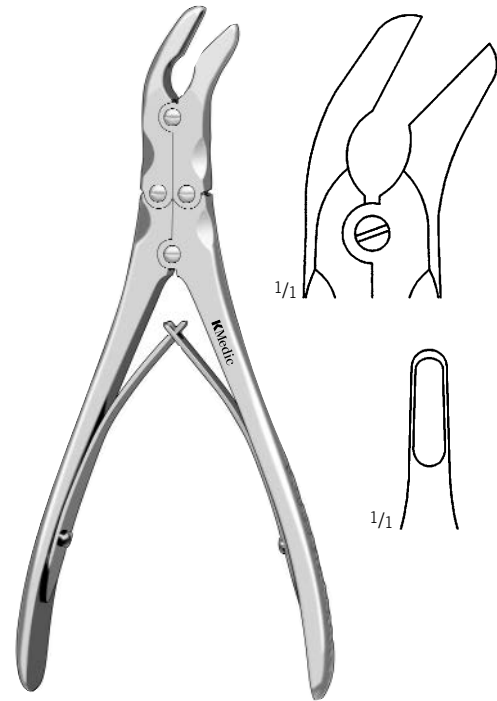
**RUSKIN RONGEUR 6"**  
*straight*  
 KM 47-523 2x14mm bite  
 KM 47-532 3x15mm bite  
*curved*  
 KM 47-533 2x15mm bite  
 KM 47-534 3x15mm bite



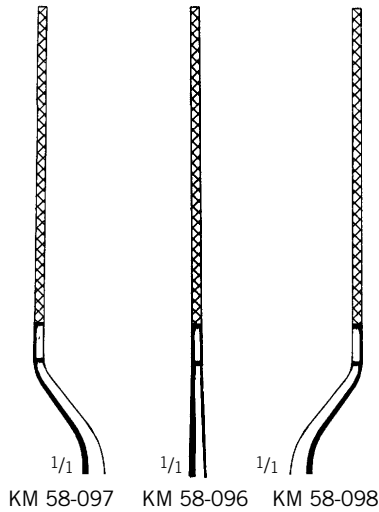
**RUSKIN RONGEUR 7 1/4"**  
*straight*  
 KM 47-526 4x16mm bite  
 KM 47-528 6x16mm bite  
*curved*  
 KM 47-527 4x16mm bite  
 KM 47-531 6x16mm bite



**BEYER RONGEUR 7"**  
 KM 47-520 KM 47-522  
*curved* *curved*  
 3x14mm bite 4x15mm bite



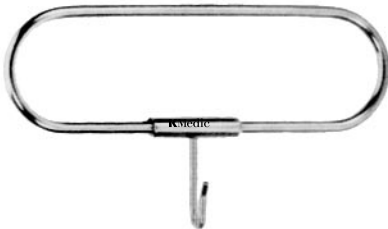
**RUSKIN RONGEUR**  
 KM 47-525  
 7 1/4" curved  
 5x10mm bite



**JOSEPH BONE SAW 7"**  
 KM 58-096 straight  
 KM 58-097 bayonet left  
 KM 58-098 bayonet right



**LISTON AMPUTATION KNIFE**  
 KM 46-598 6 1/4" blade  
 KM 46-600 8" blade



KM 46-616  
 loop style  
 3 1/2" wide  
 one pair

KM 46-610  
 loop style  
 with snap lock  
 3 1/2" wide  
 one pair



KM 46-617  
 T-style  
 2 1/2" wide  
 one pair

**GIGLI SAW HANDLES**

*For cutting hard bone  
 in difficult areas or  
 situations.*



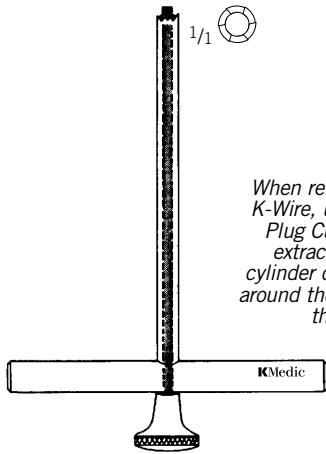
*enlarged detail*



**GIGLI SAW BLADES**

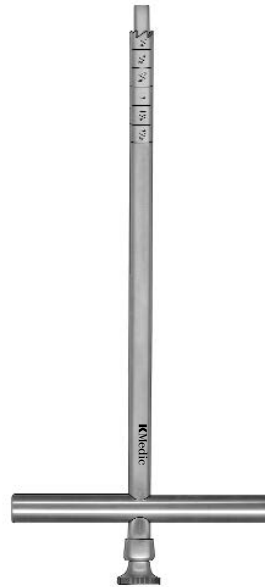
- KM 46-612 9"
- KM 46-613 12"
- KM 46-609 16"
- KM 46-614 20"
- KM 46-615 30"

# TREPHINES



When removing K-Wire, use the Plug Cutter to extract a tiny cylinder of bone around the tip of the wire.

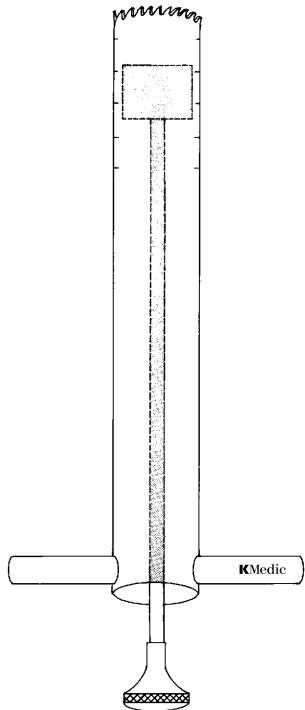
**P.I. PLUG CUTTER**  
 KM 48-252  
 4 1/2" with obturator  
 3mm inside diameter  
 5mm outside diameter



Designed for bone biopsy. Also facilitates removal of broken bone screws.

**MICHELE TREPHINE 7"**  
 KM 48-239 small 3mm i.d. 5mm o.d.  
 KM 48-240 medium 4mm i.d. 6mm o.d.  
 KM 48-241 large 6mm i.d. 8mm o.d.

i.d. = inside diameter  
 o.d. = outside diameter



**P.I. PLUG CUTTER 6"**

- These cutters are especially useful for arthrodesis of small and large joints by plug cutter graft technique.
- The plug cutters are designed to be used in pairs.
- The smaller diameter instrument will cut the plug opening and the larger one will harvest a bone graft that will fit into the opening.
- The plug can then be tapped into place using the P.I. Bone Impactor (KM 69-980).



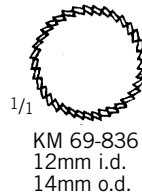
KM 69-830  
 5mm inside diameter  
 7mm outside diameter



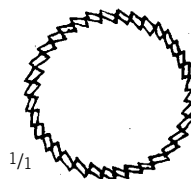
KM 69-832  
 7mm i.d.  
 9mm o.d.



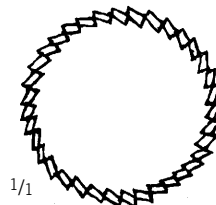
KM 69-834  
 10mm i.d.  
 12mm o.d.



KM 69-836  
 12mm i.d.  
 14mm o.d.



KM 69-838  
 20mm i.d.  
 22mm o.d.



KM 69-840  
 22mm i.d.  
 24mm o.d.

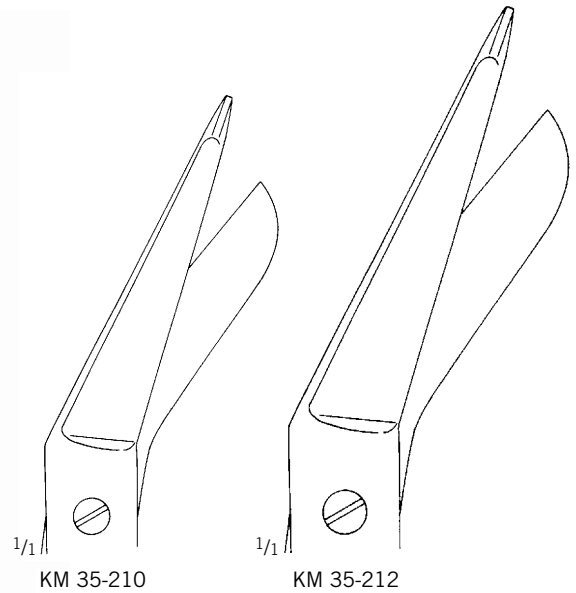
### Super-Cut Bandage Scissors

KMedic developed these remarkably sharp scissors in response to the demands of doctors, nurses, and other O.R. personnel.

Hospital tests show that these scissors cut multiple layers of stockinette, bandages, drapes, and moleskin with ease.

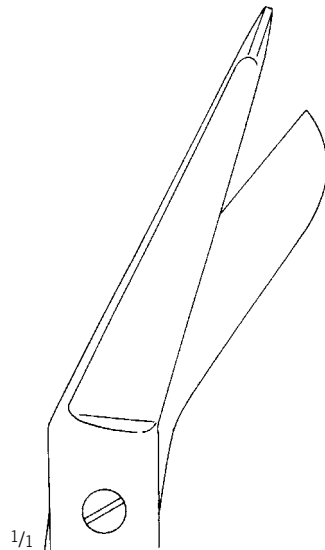
- Very little hand strength is required for cutting, putting less strain on thumb and forearm.
- Perfect cutting control because you don't have to force them to cut.
- Scissors cut faster, saving critical time in the O.R.
- Retain their sharpness longer than ordinary scissors.

**IMPORTANT NOTE:** Super-Cut Scissors should not be used to cut fiberglass or plaster splints.



**SUPER-CUT LISTER BANDAGE SCISSORS**  
 KM 35-210      KM 35-212  
 5 1/2"      7 1/4"

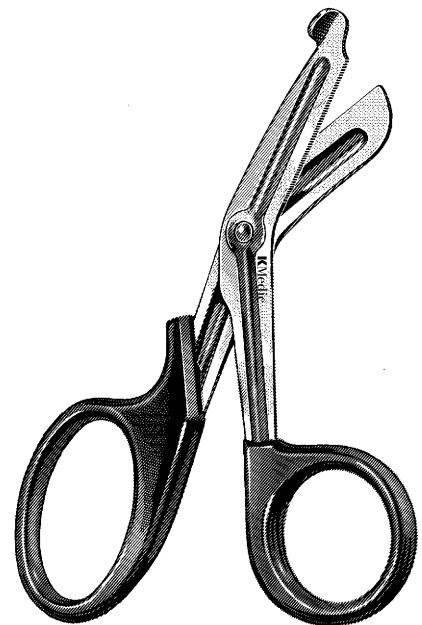
*For stockinette, bandages, and drapes.*



**SUPER-CUT LISTER BANDAGE SCISSORS WITH LARGE FINGER RING**  
 KM 35-214  
 8"

*Razor sharp scissors ideal for cutting heavy material—including: moleskin, drapes and stockinette.*

*Not recommended for fiberglass or plaster splints. Oversized finger ring helps relieve pressure on the third metacarpal.*

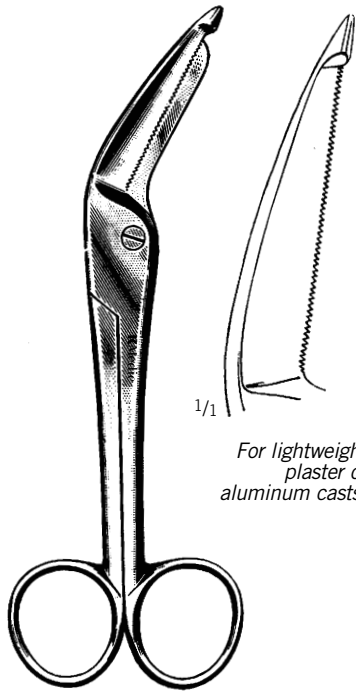


**UTILITY SCISSORS** one blade serrated  
 KM 31-832      KM 31-830  
 6" Lister-type      7 1/2"  
 (not pictured)

*For light plaster and cloth.*

*With autoclavable plastic finger rings.*

# PLASTER CAST INSTRUMENTS



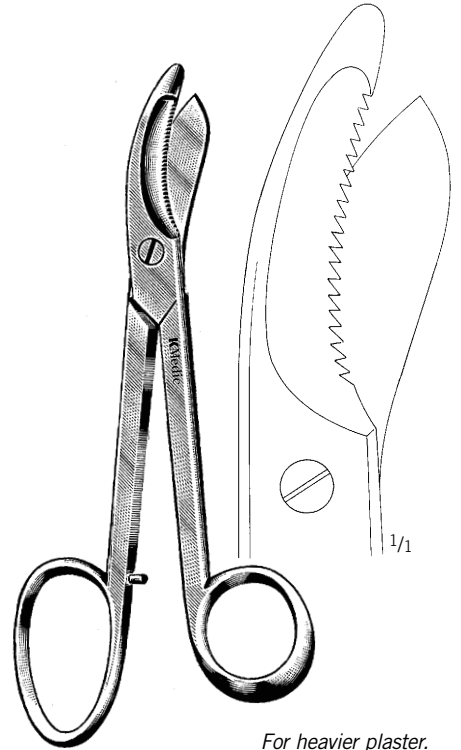
*For lightweight plaster or aluminum casts.*

**HERCULES SCISSORS**  
KM 31-834  
7½"  
one blade serrated



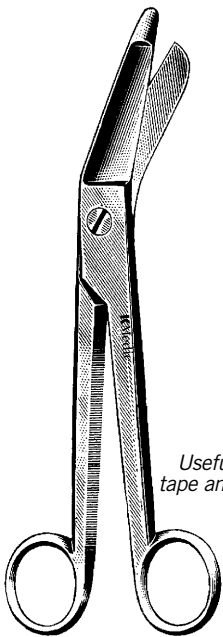
*Effective for cloth or cotton wadding.*

**KMEDIC UTILITY SHEARS**  
KM 31-836  
8"  
one blade serrated



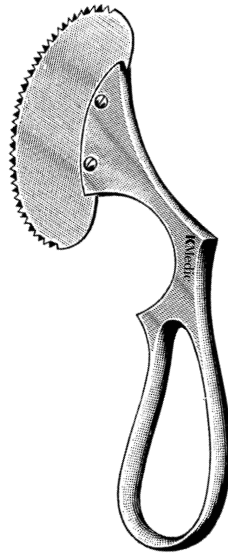
*For heavier plaster.*

**BRUNS SHEARS**  
KM 46-090  
9¼"  
one blade serrated



*Useful for cutting tape and bandages.*

**ESMARCH SHEARS**  
KM 46-060  
8"

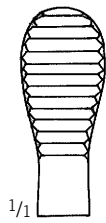
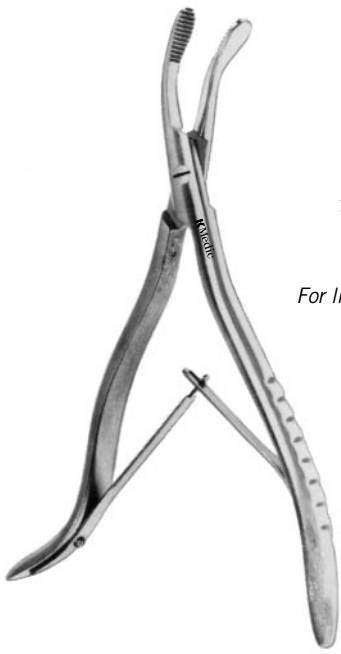


**ENGEL PLASTER SAW**  
KM 46-056  
6" with stainless blade  
chrome handle



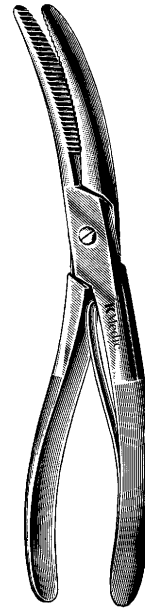
**REINER PLASTER KNIFE**  
KM 46-058  
7" with stainless handle





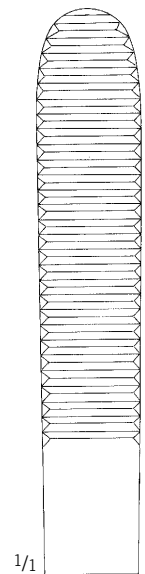
*For lightweight cast breaking and trimming.*

**PEDIATRIC CAST BREAKER**  
 KM 46-188  
 7"  
 deep serrated tips



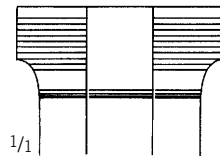
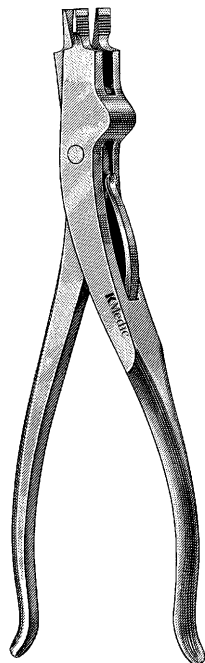
KM 46-186

*For cast removal.*

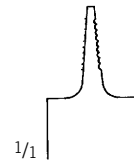


KM 46-184

**PLASTER BREAKER WOLFF (BOEHLER)**  
 deep serrated tips  
 KM 46-186 KM 46-184  
 7" small 9½"



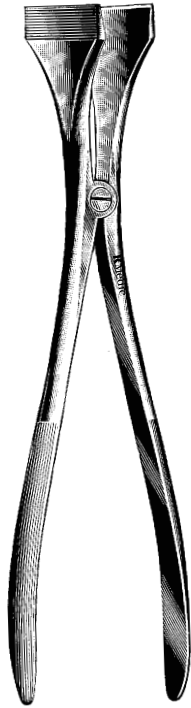
1/1



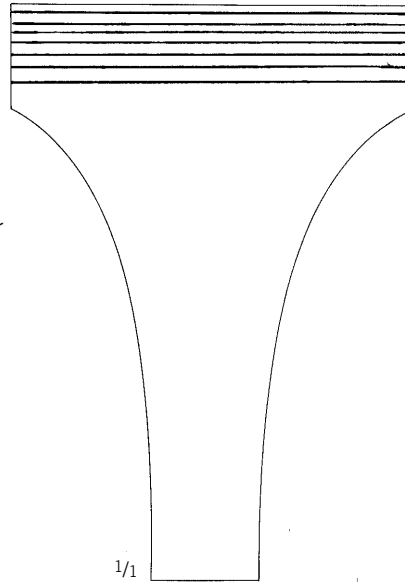
1/1

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

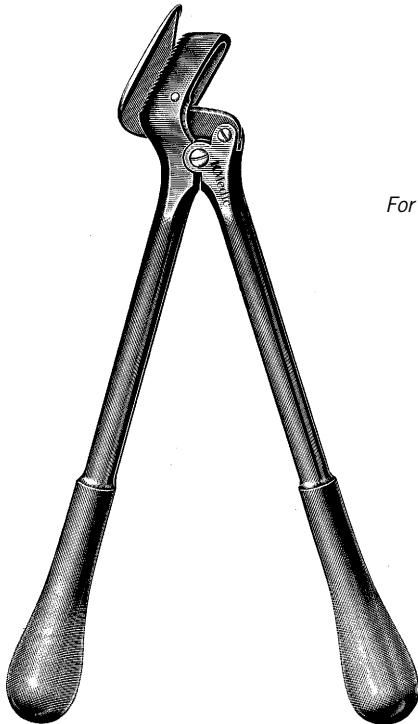
**WALTON CAST SPREADER 9"**  
 KM 46-133  
**KMEDIC CAST SPREADER 9"**  
 KM 46-134



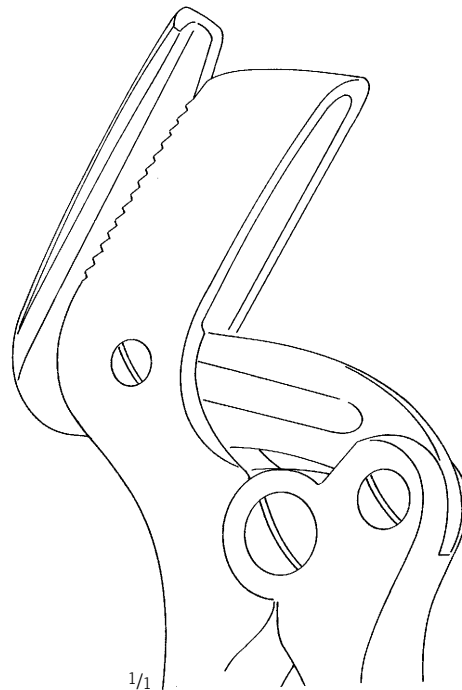
*To relieve cast pressure or  
for cast removal.*



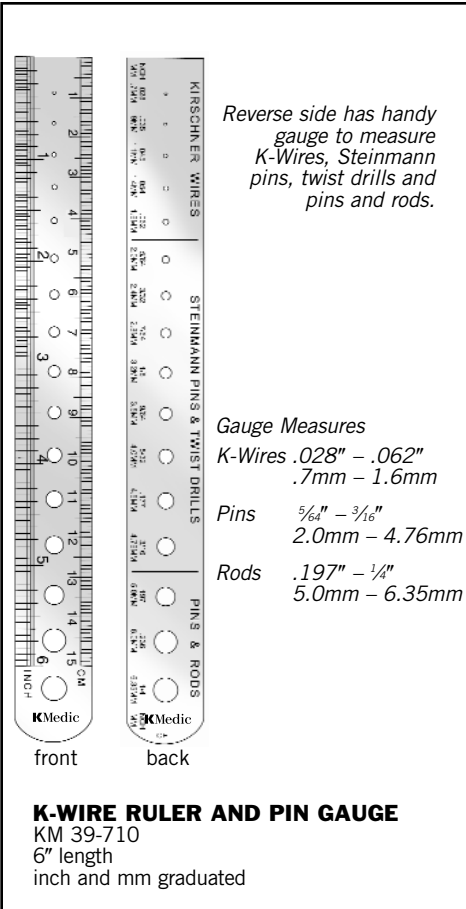
**HENNIG PLASTER SPREADER**  
KM 46-138  
11" serrated



*For cast removal.*



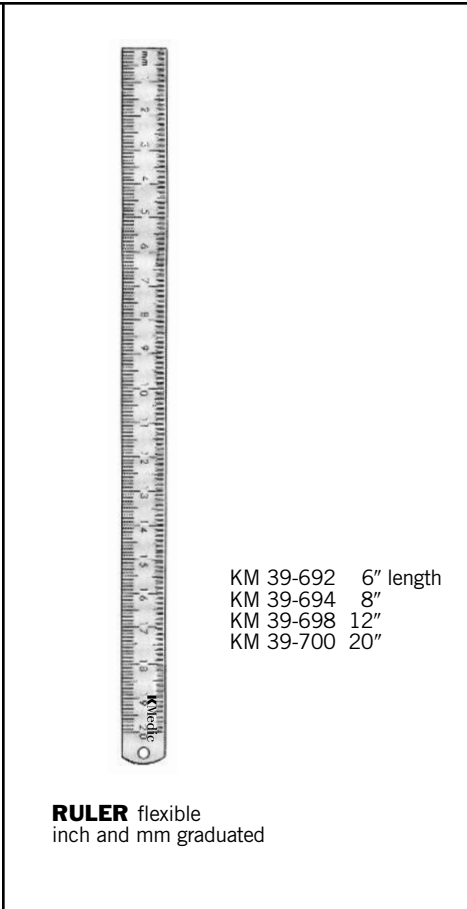
**STILLE PLASTER SHEARS**  
KM 46-156  
15"



Reverse side has handy gauge to measure K-Wires, Steinmann pins, twist drills and pins and rods.

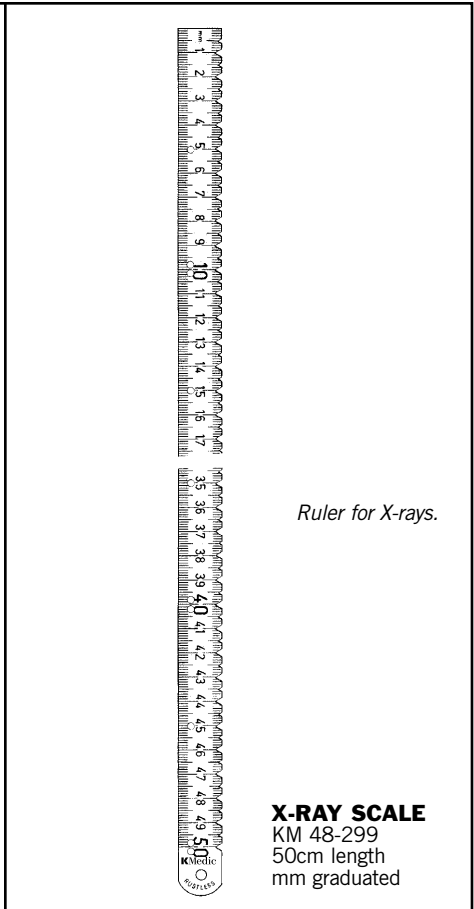
**Gauge Measures**  
 K-Wires .028" – .062"  
 .7mm – 1.6mm  
 Pins 5/64" – 3/16"  
 2.0mm – 4.76mm  
 Rods .197" – 1/4"  
 5.0mm – 6.35mm

**K-WIRE RULER AND PIN GAUGE**  
 KM 39-710  
 6" length  
 inch and mm graduated



**RULER** flexible  
 inch and mm graduated

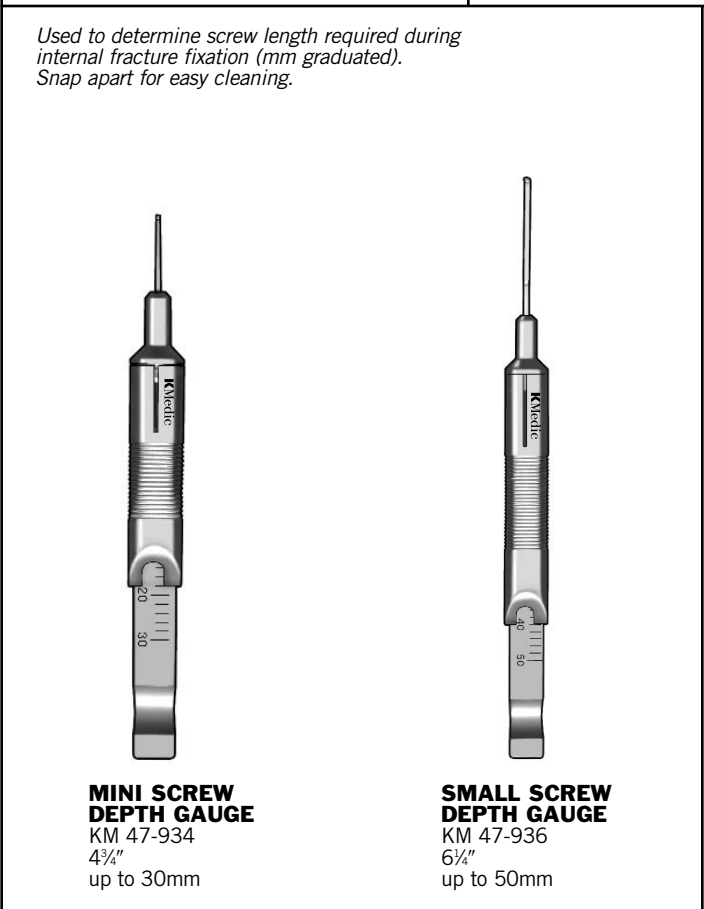
KM 39-692 6" length  
 KM 39-694 8"  
 KM 39-698 12"  
 KM 39-700 20"



**Ruler for X-rays.**

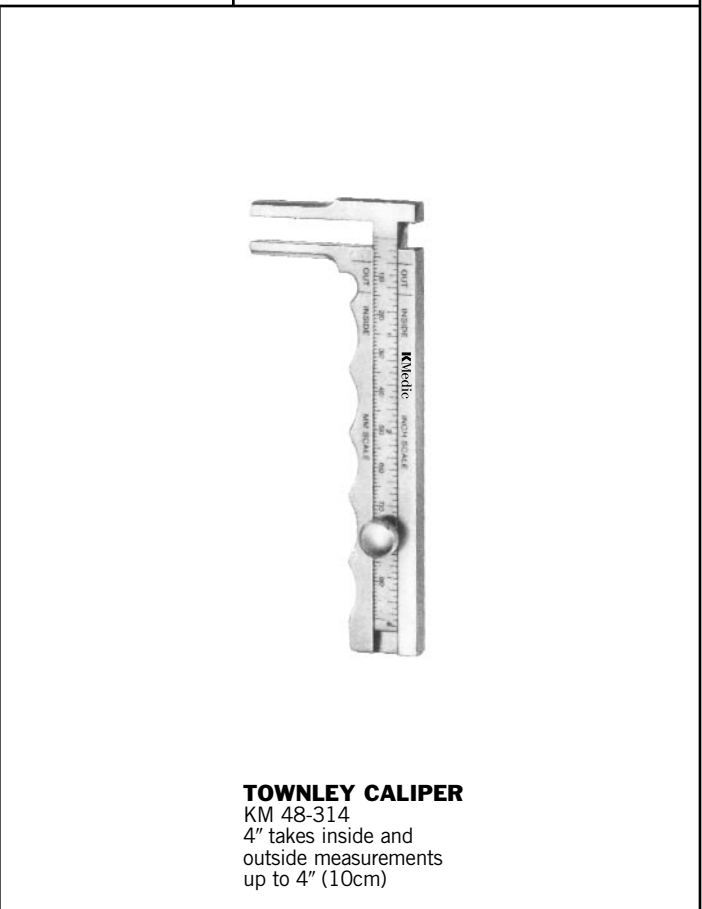
**X-RAY SCALE**  
 KM 48-299  
 50cm length  
 mm graduated

*Used to determine screw length required during internal fracture fixation (mm graduated). Snap apart for easy cleaning.*



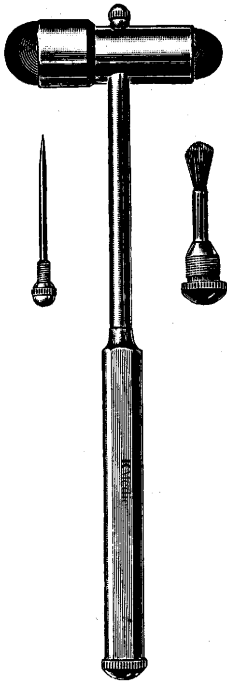
**MINI SCREW DEPTH GAUGE**  
 KM 47-934  
 3/4"  
 up to 30mm

**SMALL SCREW DEPTH GAUGE**  
 KM 47-936  
 6/4"  
 up to 50mm

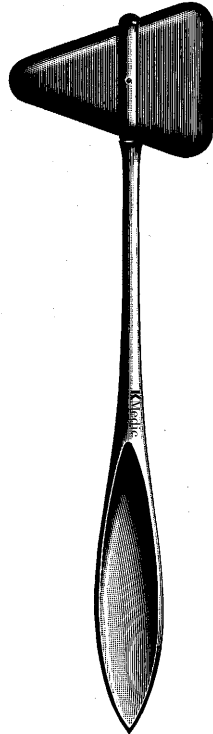


**TOWNLEY CALIPER**  
 KM 48-314  
 4" takes inside and outside measurements  
 up to 4" (10cm)

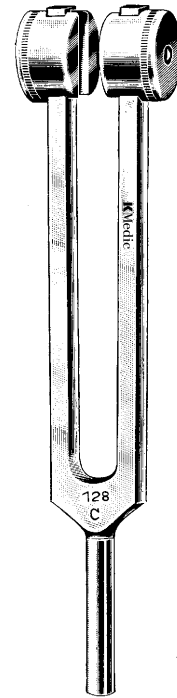
**MISCELLANEOUS**



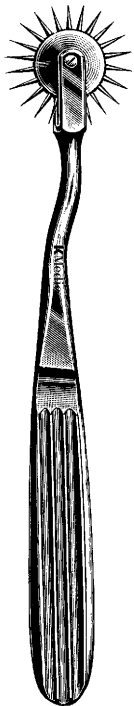
**BUCK NEUROLOGICAL HAMMER**  
 KM 28-492  
 7¾" stainless steel  
 with brush and needle



**TAYLOR PERCUSSION HAMMER**  
 KM 28-468  
 8"



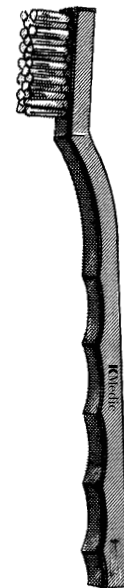
**TUNING FORK**  
 KM 56-284  
 8" C-128 Vibrations  
 aluminum alloy



**WARTENBERG  
 NEUROLOGICAL PIN WHEEL**  
 KM 28-514  
 7"



**FINGER RING CUTTER**  
 KM 29-430      KM 29-434  
 6½" chrome      saw blade only  
 with saw blade

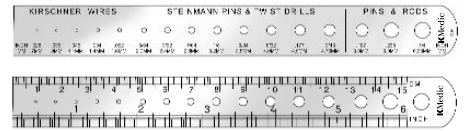


**INSTRUMENT CLEANING BRUSH 7"**  
 KM 39-682      KM 39-684  
 wire      nylon  
 set of three      set of three

# KMedic Wire and Pin Implants

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

Please inquire about availability of any sizes and styles not shown in this Sourcebook.

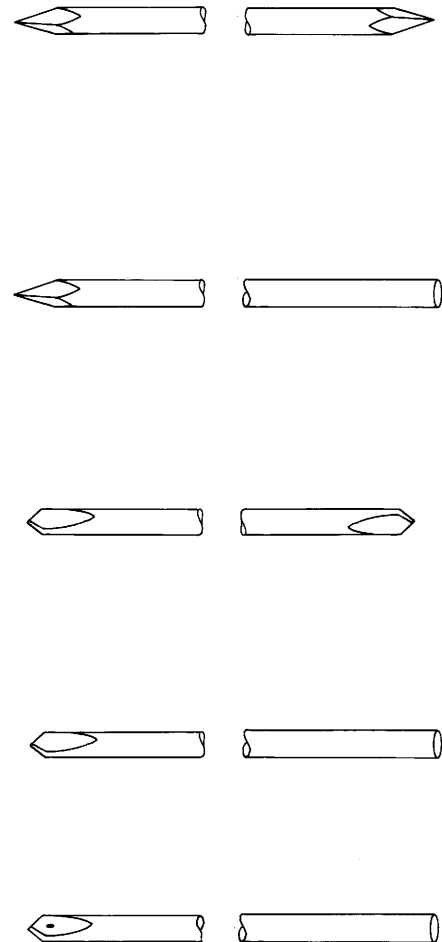


Measure K-Wires, Steinmann Pins, Twist Drills, Pins and Rods with our handy K-Wire Ruler and Pin Gauge KM 39-710. See page 65.

## KIRSCHNER WIRES SMOOTH

LENGTH	DIAMETER AND PRODUCT NUMBER				
	.028" (.7mm)	.035" (.9mm)	.045" (1.1mm)	.054" (1.4mm)	.062" (1.6mm)
<b>DOUBLE END TROCAR</b>					
4"	KM 71-100	KM 71-101	KM 71-102	KM 71-104	KM 71-103
5"	KM 71-105	KM 71-106	KM 71-107	KM 71-108	KM 71-109
6"	KM 71-021	KM 71-022	KM 71-023	—	KM 71-025
9"	KM 71-110	KM 71-111	KM 71-112	KM 71-114	KM 71-113
12"	—	KM 71-121	KM 71-122	—	KM 71-123
<b>SINGLE TROCAR round end</b>					
4"	KM 71-130	KM 71-131	KM 71-132	KM 71-133	KM 71-134
5"	KM 71-170	KM 71-171	KM 71-172	KM 71-174	KM 71-175
9"	—	KM 71-151	KM 71-152	KM 71-154	KM 71-153
12"	—	KM 71-161	KM 71-162	—	KM 71-163
<b>DOUBLE END DIAMOND</b>					
4"	KM 71-200	KM 71-201	KM 71-202	KM 71-203	KM 71-204
5"	—	KM 71-206	KM 71-207	—	KM 71-209
6"	KM 71-030	KM 71-031	KM 71-032	—	KM 71-033
9"	—	KM 71-211	KM 71-212	KM 71-214	KM 71-213
<b>SINGLE DIAMOND round end</b>					
4"	KM 71-230	—	—	—	—
9"	—	KM 71-241	KM 71-242	—	KM 71-243
12"	—	KM 71-251	KM 71-252	—	KM 71-253
<b>SUTURE PASSER SINGLE DIAMOND with suture hole</b>					
9"	—	—	KM 71-262	—	KM 71-263

Drawings shown on this page are not actual size.



Sterilize K-Wires and Steinmann Pins with our K-Wire and Pin Sterilization Case KM 71-010. See page 70.



Bend K-Wire up to .062" in diameter easily with our Gratloch™ Wire Bender KM 48-370. See page 73.

# KIRSCHNER WIRE AND STEINMANN PINS

## KIRSCHNER WIRE FULLY THREADED

LENGTH	DIAMETER AND PRODUCT NUMBER		
	.035" (.9mm)	.045" (1.1mm)	.062" (1.6mm)
<b>DOUBLE END TROCAR</b>			
6"	KM 71-290	KM 71-291	KM 71-293
9"	KM 71-301	KM 71-302	KM 71-303
<b>SINGLE TROCAR</b>			
9"	KM 71-304	—	KM 71-310
<b>DOUBLE END DIAMOND</b>			
9"	—	KM 71-312	KM 71-313
<b>SINGLE DIAMOND</b>			
9"	KM 71-314	KM 71-315	KM 71-307

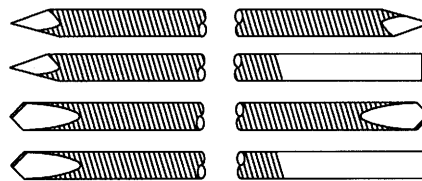
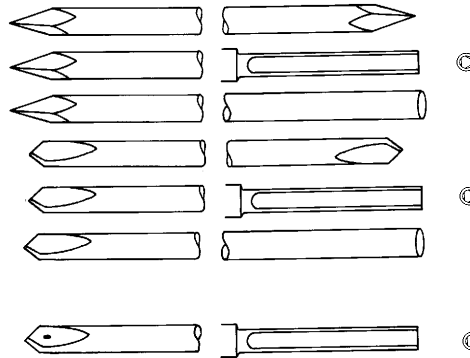


## STEINMANN PINS

Steinmann Pins are sold six (6) per package

*Drawings shown on this page are not actual size.*

<b>SMOOTH, 9"</b>	$\frac{5}{64}$ " (2.0mm)
DOUBLE END TROCAR	KM 71-450
SINGLE TROCAR 3 shank end	KM 71-480
SINGLE TROCAR round end	KM 71-510
DOUBLE END DIAMOND	KM 71-600
SINGLE DIAMOND 3 shank end	KM 71-630
SINGLE DIAMOND round end	KM 71-660
SINGLE DIAMOND with suture passer hole 3 shank end	KM 71-880
<b>FULLY THREADED, 9"</b>	$\frac{5}{64}$ " (2.0mm)
DOUBLE END TROCAR	KM 71-750
SINGLE TROCAR round end	KM 71-770
DOUBLE END DIAMOND	KM 71-730
SINGLE DIAMOND round end	KM 71-700



## CERCLAGE WIRE

10 meters in length

KM #	DIAMETER	APPROX. GAUGE	KM #	DIAMETER	APPROX. GAUGE
KM 72-102	0.2mm	36	KM 72-108	0.8mm	21
KM 72-103	0.3mm	30	KM 72-109	0.9mm	20
KM 72-104	0.4mm	27	KM 72-110	1.0mm	19
KM 72-105	0.5mm	25	KM 72-112	1.2mm	18
KM 72-106	0.6mm	23	KM 72-115	1.5mm	17
KM 72-107	0.7mm	22			



**K-WIRE DISPENSER 6¼"**

KM#	LENGTH	DIAMETER	QTY HELD
KM 71-001	up to 6"	.028" (0.7mm)	100
KM 71-002	up to 6"	.035" (0.9mm)	50
KM 71-003	up to 6"	.045" (1.1mm)	40
KM 71-004	up to 6"	.054" (1.4mm)	25
KM 71-006	up to 6"	.062" (1.6mm)	20

- Stores, sterilizes, and dispenses one size at a time.
- Sharp points are protected by silicone insert in cap.
- To avoid injury, load wire with blunt end down.
- Hexagonal shape of cap prevents unwanted movement of dispenser.
- Diameter is marked for easy identification.
- Perforation allows for proper sterilization.

**K-WIRE DISPENSER 12¼"**

KM 71-012	up to 12"	.035" (0.9mm)	50
KM 71-013	up to 12"	.045" (1.1mm)	40
KM 71-014	up to 12"	.054" (1.4mm)	25
KM 71-016	up to 12"	.062" (1.6mm)	20



KM 71-001 – KM 71-006 For K-Wire up to 6" long. Stainless steel cap end.

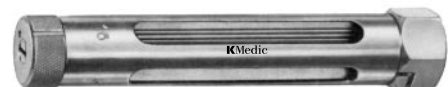


KM 71-012 – KM 71-016 For K-Wire up to 12" long. Plastic cap end.

**VICKERS K-WIRE DISPENSER™**

	LENGTH	CHAMBER #1		CHAMBER #2		CHAMBER #3		CHAMBER #4	
		DIAMETER	QTY HELD	DIAMETER	QTY HELD	DIAMETER	QTY HELD	DIAMETER	QTY HELD
KM 46-542	4"	.028" (0.7mm)	60	.035" (0.9mm)	40	.045" (1.1mm)	30	.062" (1.6mm)	18
KM 46-538	12"	.028" (0.7mm)	60	.035" (0.9mm)	40	.045" (1.1mm)	30	.062" (1.6mm)	18

- Easily stores, sterilizes, and dispenses four different size wires.
- Dial on bottom allows for dispensing of one size at a time.
- To avoid injury, load wire with blunt end down.
- Dial can be locked to avoid accidental dispensing.
- Clearly marked chambers help to avoid mix-up.
- Patented dispenser is available exclusively from KMedic.



KM 46-542 For 4" K-Wire.



KM 46-538 For 12" K-Wire.

## K-Wire and Steinmann Pin Sterilization Case

Designed to provide easy access and identification.



The KMedic K-Wire and Steinmann Pin Sterilization Case holds popular 4", 6" and 9" K-Wires and 9" Steinmann Pins.

Accommodates four each of the following K-Wire diameters:

- .028" (.7mm)
- .035" (.9mm)
- .045" (1.1mm)
- .062" (1.6mm)

Accommodates two each of the following Steinmann Pin diameters:

- 5/64" (2.0mm)
- 3/32" (2.4mm)
- 7/64" (2.8mm)
- 1/8" (3.2mm)
- 9/64" (3.5mm)
- 5/32" (4.0mm)
- .177" (4.5mm)

- Removable lid fits under case—taking up less room in the O.R.
- Nylon coated brackets prevent metal-to-metal contact—protecting sharp ends.
- Contents are held in place when closed—preventing shifting.
- Secure locking side brackets help prevent accidental opening.
- Handles at each end for easy transport.
- Anodized aluminum case is lightweight and built to withstand abuse.
- Fully autoclavable to 270°F.



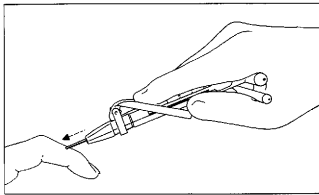
Case in closed position

**K-WIRE AND STEINMANN PIN STERILIZATION CASE**  
 KM 71-010  
 11 3/4" x 5 1/4" x 2" (closed)



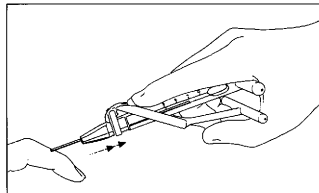
**Vickers Easidriver™**

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



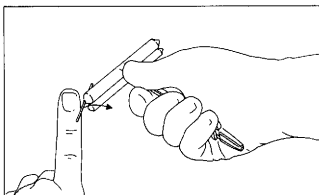
**NO MANUAL DEVICE HAS EVER ACHIEVED THIS FUNCTION**

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"

- Single handed operation
- Chuckless
- Depthscale
- Wire bending facility
- No maintenance
- No set-up
- Autoclavable
- For wire from .028" to .062"

*For insertion and removal of Steinmann Pins. Includes chuck key.*



**STEINMANN PIN CHUCK**  
KM 48-374  
4" fully cannulated

*Cannulation accepts wires and pins up to .236" (6.0mm)*

*Chuck accepts wires and pins up to ¼" (6.35mm)*

*No more lost keys! Keyless chuck for insertion and removal of Steinmann Pins.*



**UNIVERSAL CHUCK WITH T-HANDLE**  
KM 47-903 4" fully cannulated smooth handle  
KM 47-901 4½" fully cannulated with reverse lock

*Cannulation accepts wires and pins up to .236" (6.0mm)*

*Chuck accepts wires and pins up to ¼" (6.35mm)*

**WIRE AND PIN DRIVERS AND BENDERS**

*Aids in bending pins and wires.*

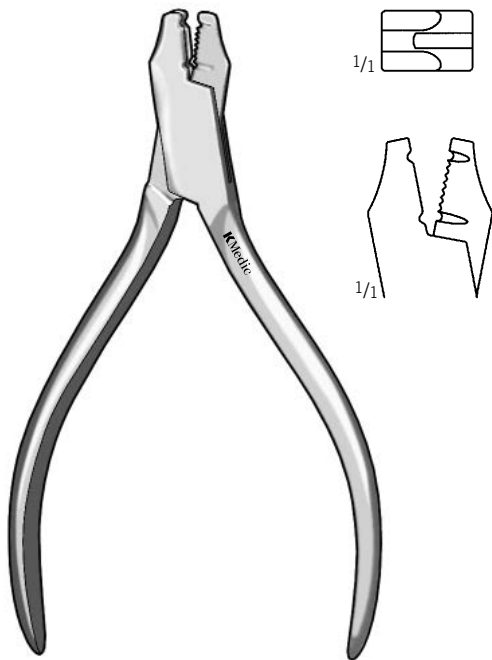


**WIRE AND PIN BENDER**  
 KM 48-372  
 6"  
 Accepts wires and pins up to 1/8" (3.2mm).

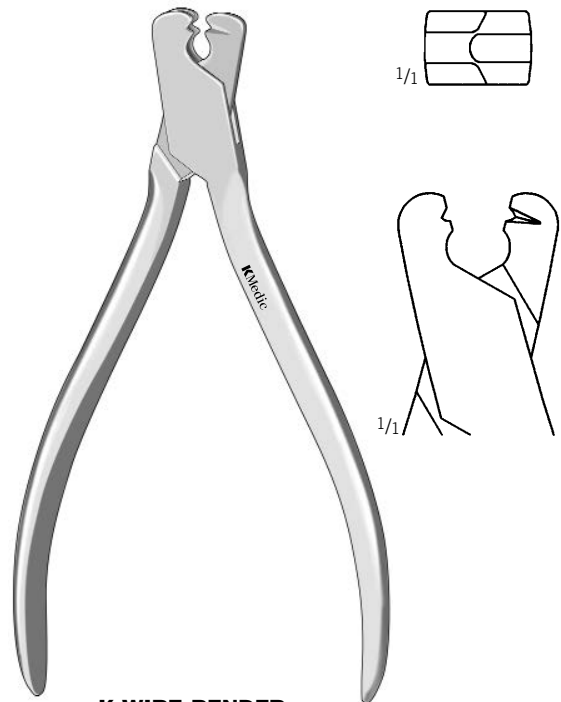
*Cannulation accepts wires and pins up to 3/32" (4.0mm)*



**PIN INSERTER/EXTRACTOR WITH T-HANDLE**  
 KM 49-820  
 7" fully cannulated



**K-WIRE AND PLATE BENDER**  
 KM 49-724  
 4 3/4"  
 Bends mini plates and up to 1.1mm (.045") K-Wire to 90° angle  
 3 prong



**K-WIRE BENDER**  
 KM 49-802  
 5 1/2"  
 Bends up to 1.6mm (.062") K-Wire to 90° angle  
 3 prong

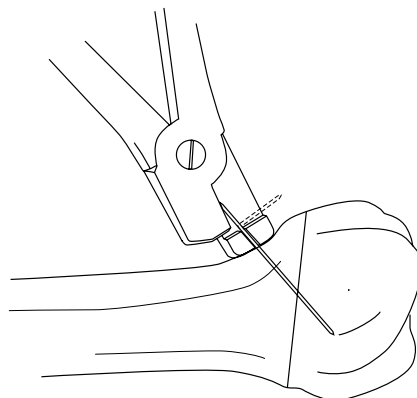
## Gratloch™ Wire Bender

Bend .062" K-Wire single-handedly without sacrificing stability



### P.I. GRATLOCH™ WIRE BENDER

KM 48-370  
7½"  
maximum capacity .062" (1.6mm)  
special hardened, wear-resistant  
stainless tool steel  
U.S. Patent #5,314,431



The Gratloch™ Wire Bender can stabilize and bend a Kirschner wire simultaneously. K-Wires can be bent close to the bone single-handedly without sacrificing fracture or osteotomy stability.

To bend wire:

1. After the insertion of K-Wire in the bone, cut the wire, leaving a piece of ½" to ¾" in length.
2. Insert the K-Wire into angled slot of Gratloch™ Bender as close to the bone as possible.
3. Press handles to bend wire (.062" wire will bend 90 degrees, smaller diameters will bend slightly less than 90 degrees).
4. Additional features of the Gratloch™ Wire Bender are two angled cannulations at the proximal end of each handle for flush bending of wire (.045" and .062").



Instrument design approved by  
The Podiatry Institute®



### BUNNELL DRILL

KM 48-392  
5¾" cannulated  
3-jaw stainless Jacobs chuck  
Includes key chuck  
Accepts wires and pins up to 4.0mm (5/32").  
Store chuck key in handle. Body is made of aluminum.



### RALKS DRILL

KM 48-390  
6" cannulated  
3-jaw stainless chuck  
Includes key chuck  
Accepts wires and pins up to 6.35mm (¼").  
Offset handle. Body is made of aluminum.

## WIRE AND PIN CUTTERS

### About KMedic Wire and Pin Cutters

In the past, surgeons have often had to rely on hardware store quality cutters made with inferior metals that can contaminate and ruin stainless steel instrumentation. Now KMedic can meet all of your wire and pin cutting requirements with our complete line of stainless steel cutting instruments.

**Made from stainless steel** – All of our wire cutters are engineered to meet the demanding needs of cutting rods, pins, cables and wires in the Operating Room. Jaws are made from the toughest specially-tempered tool steel or have tungsten carbide inserts.

**More cutting power** – Cutters designed with double action give you more cutting power and help absorb the shock of wire cutting. For the surgeon there is better control and less fatigue.

**Most extensive selection** – We offer more jaw and handle styles than any other instrument company.

**Note on carbide instruments** – Instruments with carbide inserts can be replaced, however, welded carbide jaws can not be replaced.

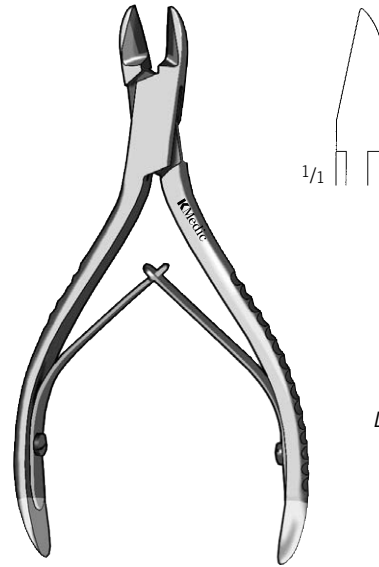
#### To achieve the best results when cutting wires and pins, follow these simple steps:

- Choose the appropriate cutter for the wire diameter you want to cut.
- Do not exceed the maximum capacity marked on each cutter.
- Cut wire in the middle of the jaw—not on the tip or in the corner.
- Keep the jaw at right angles to the piece being cut. Do not twist or turn cutter.

*Caution:* Be sure to protect patient and O.R. personnel from flying particles (especially the eyes). The harder the metal, the farther the pieces can fly.

#### Important note on maximum capacities

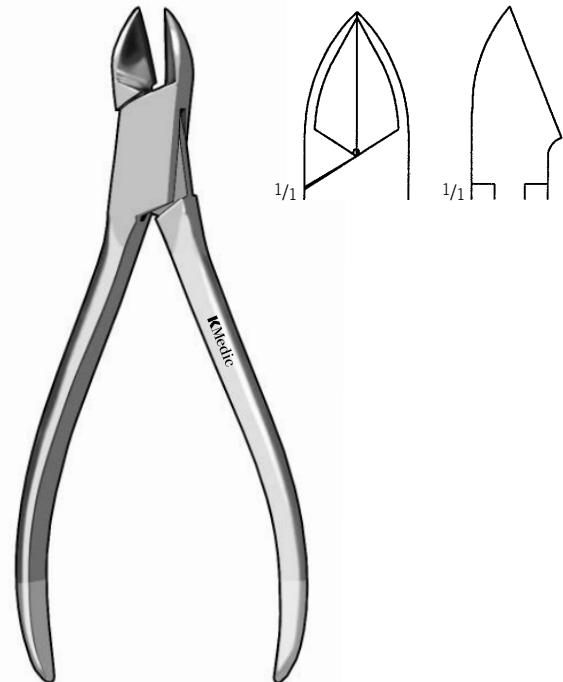
All maximum capacities noted in this Sourcebook are based on tests using standard strength KMedic implant material. Cutting material which exceeds our recommended maximum capacities may damage or shorten the life of cutting edges and voids the instrument warranty. Please check the size of the material and the maximum capacity of the instrument before using. If you're not sure whether our cutter can handle your material, give us a call (800) 955-0559.



#### DELICATE WIRE CUTTER

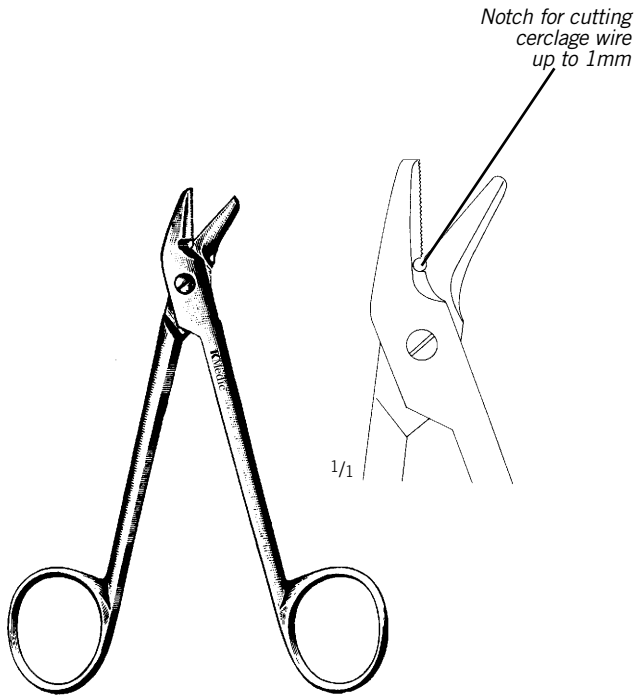
KM 46-622  
4 $\frac{3}{4}$ " side cutting  
with carbide inserts  
maximum capacity .028" (0.7mm)

*Delicate side-cutting jaws  
with carbide inserts.  
Especially useful for  
pediatric, foot and  
hand surgery.*

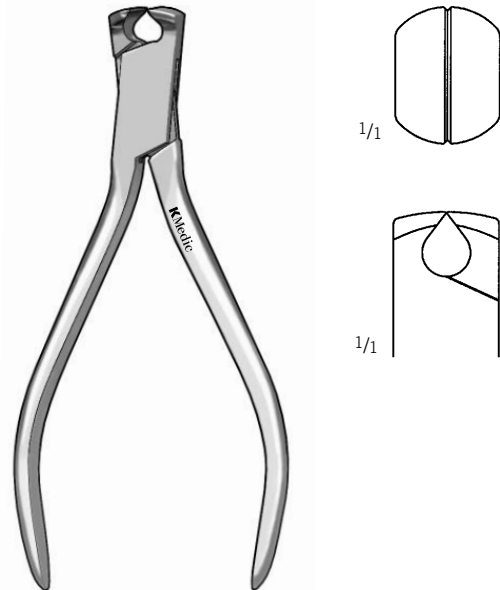


#### K-WIRE SIDE CUTTER

KM 49-734  
6" side cutting  
maximum capacity .045" (1.1mm)



**WIRE CUTTING SCISSORS** 4¾"  
 KM 35-198      KM 35-200  
 one serrated blade,      one serrated blade,  
 angular                      angular, carbide

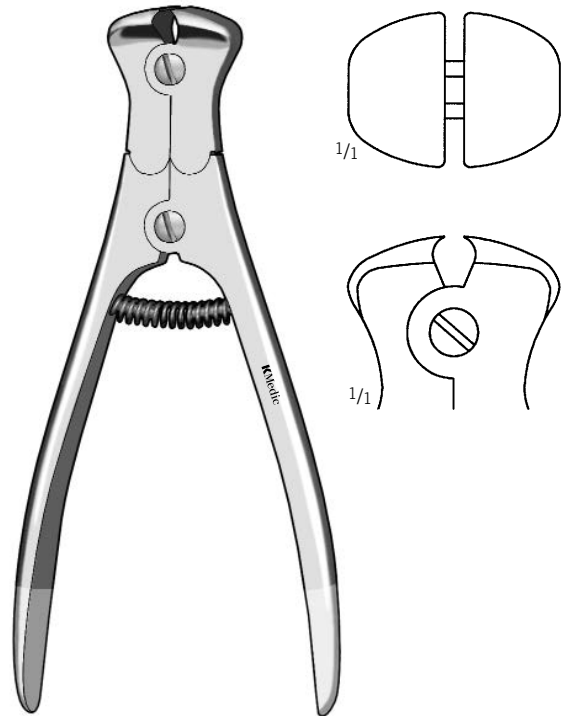


**K-WIRE END CUTTER**  
 KM 49-735  
 5½" end cutting  
 maximum capacity .045" (1.1mm)



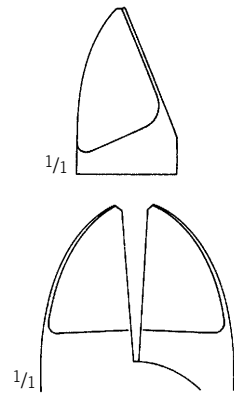
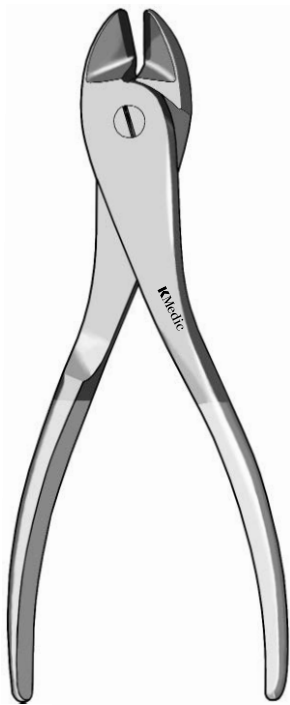
**DIAMOND PIN CUTTER**  
 KM 46-651  
 6¾" end cutting  
 maximum capacity ⅝" (2.0mm)

*Disassembles easily  
 for cleaning.*

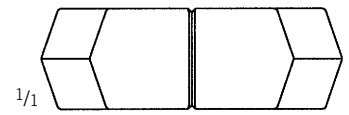
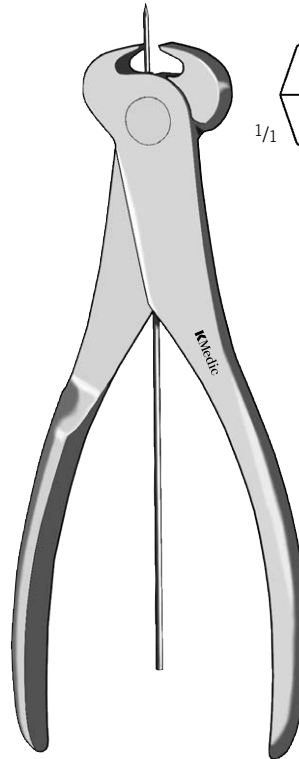


**END CUTTER**  
 KM 46-649  
 6" end cutting  
 welded carbide jaws  
 maximum capacity .062" (1.6mm)

# WIRE AND PIN CUTTERS

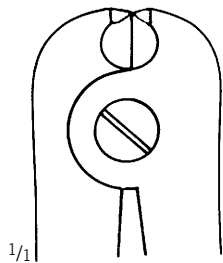


**SIDE CUTTER**  
 KM 46-621  
 7" side cutting  
 welded carbide jaws  
 maximum capacity .062" (1.6mm)



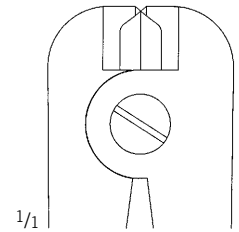
*Cannulation allows you to slide the cutter over the inserted wire. The piece cut off will be held safely inside the channel.*

**CANNULATED PIN CUTTER**  
 KM 46-647  
 7½" end cutting  
 maximum capacity .062" (1.6mm)

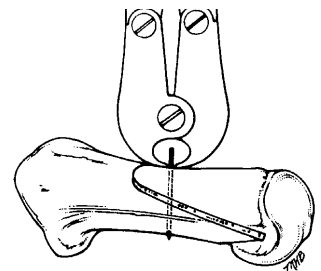


*The smooth double action combined with the versatile jaw design make this cutter a favorite one with many surgeons.*

**FRONT AND SIDE WIRE CUTTER**  
 KM 46-625  
 7" front and side cutting  
 with carbide inserts, double action  
 maximum capacity .062" (1.6mm)



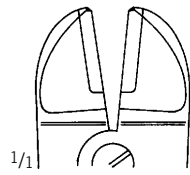
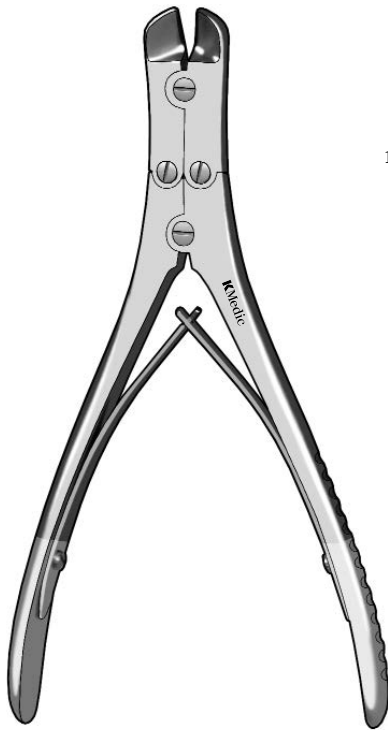
*This improved version of our Front and Side Cutter cuts flush to the bone like no other wire cutter. This is a big advantage in buried wire procedures.*



**P.I. FLUSH WIRE CUTTER**  
 KM 46-631  
 7" front and side cutting  
 with carbide inserts, double action  
 maximum capacity .062" (1.6mm)



Instrument design approved by  
 The Podiatry Institute®



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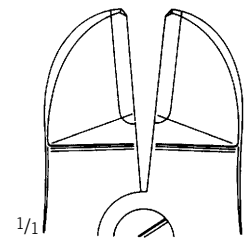


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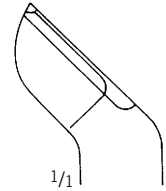
*Narrow jaw makes this cutter a favorite with hand and foot surgeons.*

**DOUBLE ACTION WIRE CUTTER**

KM 46-623  
7" angled, side cutting  
with carbide inserts  
maximum capacity .062" (1.6mm)



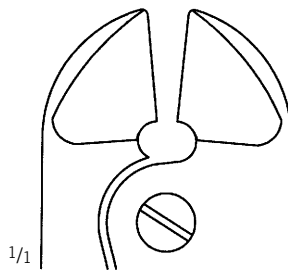
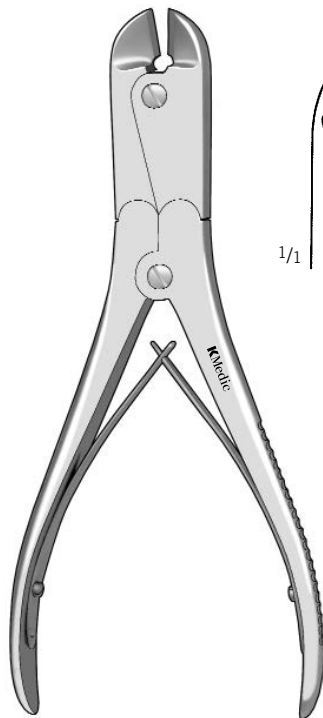
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**DOUBLE ACTION WIRE CUTTER**

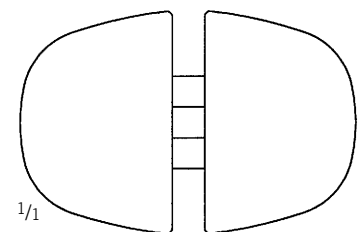
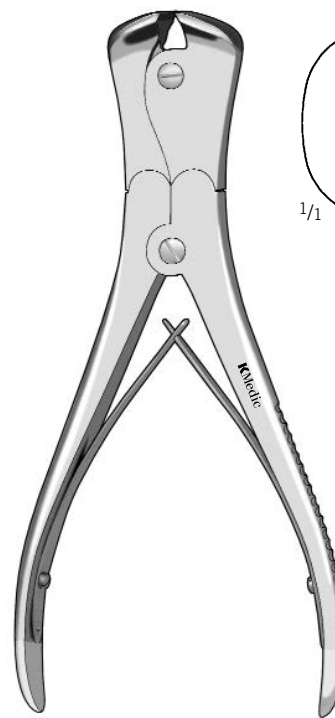
KM 46-624  
8 1/2" angled, side cutting  
with carbide inserts  
maximum capacity 3/32" (2.4mm)



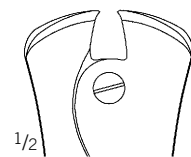
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**SIDE CUTTER**

KM 49-736  
9" side cutting  
welded carbide jaws  
maximum capacity 3/32" (2.4mm)



1/1

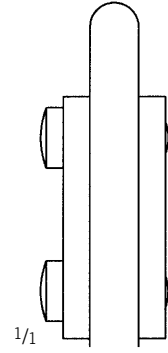
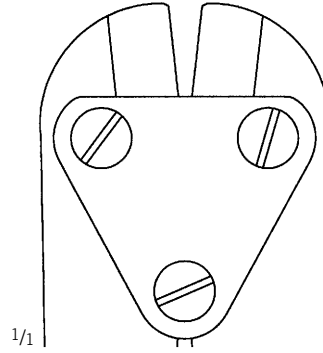
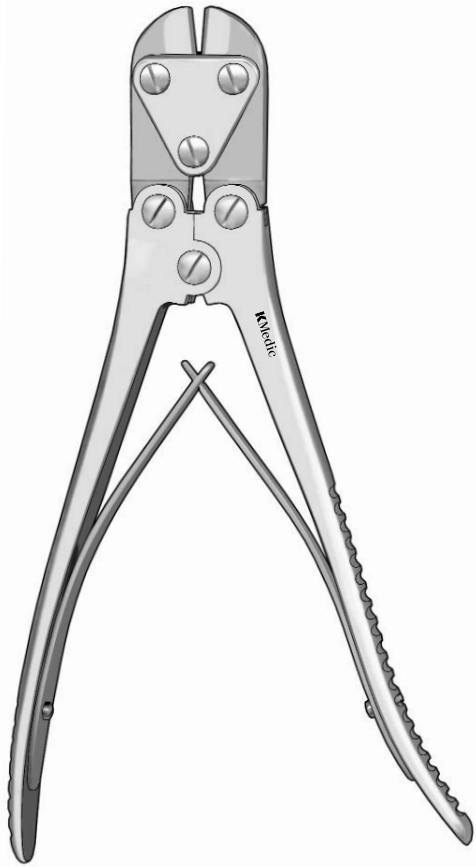


1/2

**END CUTTER**

KM 49-738  
8 1/2" end cutting  
welded carbide jaws  
maximum capacity 3/32" (2.4mm)

**PLATE CUTTER AND PLIERS**



**PLATE CUTTING FORCEPS**  
 KM 47-932  
 9 1/2"  
 for cutting stainless steel  
 mini plates up to 1mm

**About KMedic Pliers**

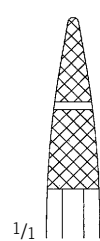
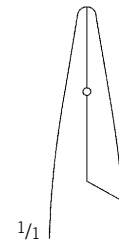
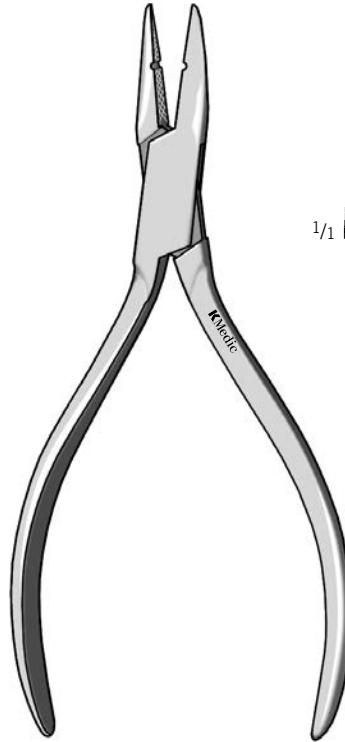
We manufacture a wide range of stainless steel pliers. Whether you are bending delicate 0.2mm cerclage wire or removing a 3.2mm Steinmann Pin, we make a pair of pliers to handle the job.

**Quality Assurance**

Every KMedic instrument is made to exact specifications. Much of our time is spent assuring the quality of the products we sell. The KMedic name does not go on any instrument that fails to pass our tough Quality Assurance Standards. We know our reputation depends on providing a quality product that will perform consistently for years.

**Value**

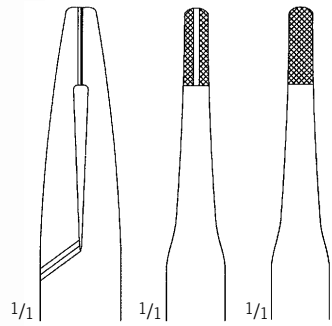
They are built to last! Our instruments are made from the finest surgical grade stainless steel. Unlike inferior "hardware store" quality, our pliers won't chip or contaminate fine surgical instruments.



*Delicate needle nose  
 jaws specifically  
 designed to handle  
 cerclage wire. Jaw  
 tapers to 1mm.*

**NEEDLE NOSE PLIERS**  
 KM 48-242  
 5 1/2" delicate

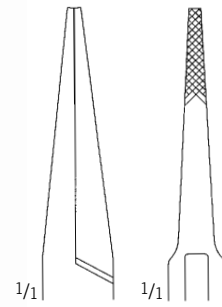




*Tungsten carbide inserts and grooved opposing jaw design grip small pins securely. Small size is well suited for foot and hand procedures. Jaws are 3mm at tip.*

**PIN PULLING PLIERS**

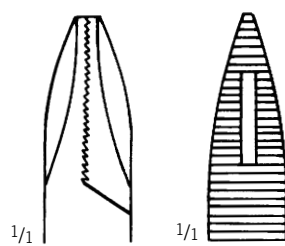
KM 46-578  
5½" with tungsten carbide inserts  
3mm tip



*Delicate jaw tapers to 2mm. Made to twist and bend cerclage wire.*

**FLAT NOSE PLIERS**

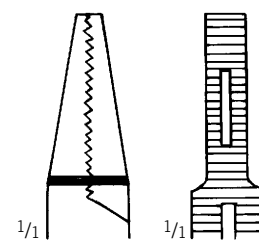
KM 48-248  
6" delicate  
2mm tip  
for cerclage wire



*Jaw tapers to 2mm making it easier to get close to the bone to remove K-Wires.*

**NEEDLE NOSE PLIERS**

KM 48-245  
5½"  
2mm tip

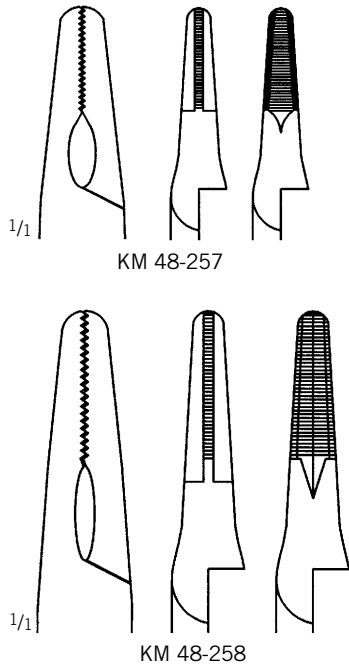


*5mm tip can grasp larger Steinmann Pins and K-Wires. Ideal for light use.*

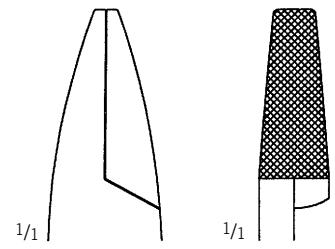
**FLAT NOSE PLIERS**

KM 48-246  
5½" broad  
5mm tip

**PLIERS**

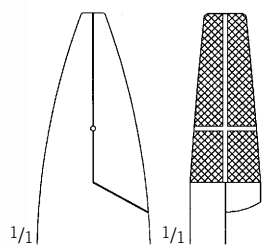
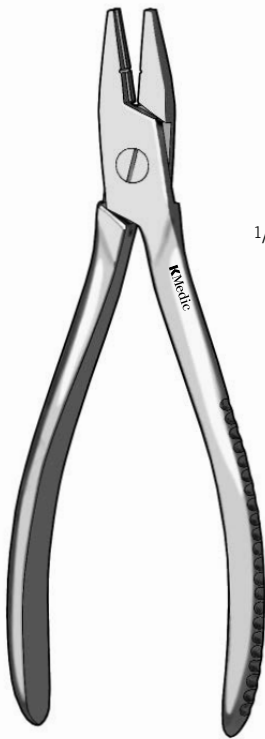


**K-WIRE EXTRACTION PLIERS** with screw lock  
 KM 48-257 5", 3mm tip  
 KM 48-258 7", 4mm tip



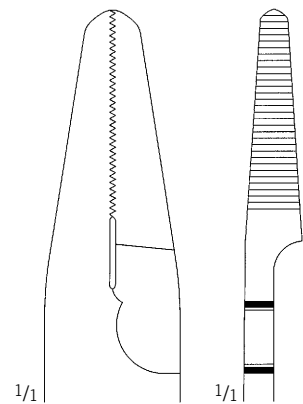
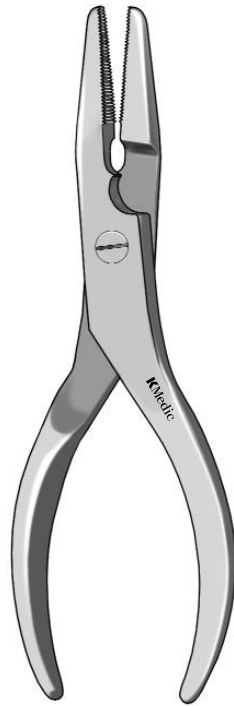
**FLAT NOSE K-WIRE PLIERS**  
 KM 48-256  
 7"  
 6mm tip

*Multi-purpose plier with flat jaws that taper to 6mm for pulling K-Wire.*



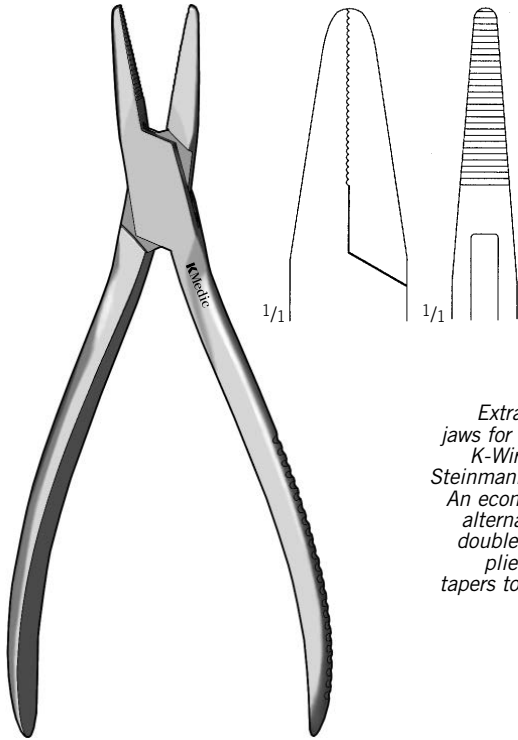
**FLAT NOSE K-WIRE PLIERS** with grooves  
 KM 48-254  
 7"  
 6mm tip

*Multi-purpose plier with flat jaws that taper to 6mm for pulling K-Wire. Side groove for cerclage wire.*



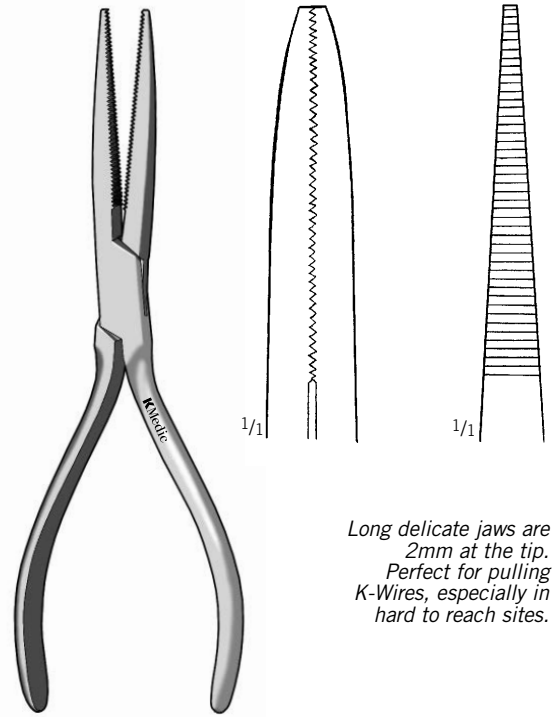
**FLAT NOSE PLIERS**  
 KM 48-243  
 6½"  
 3.5mm tip

*Combination plier and cutter. Cuts all sizes (0.2mm to 1.5mm) of cerclage wire. Jaw tapers to 3.5mm.*



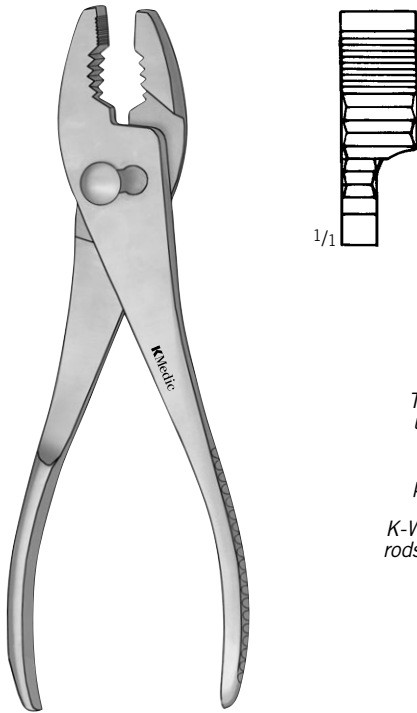
*Extra heavy jaws for pulling K-Wires and Steinmann Pins. An economical alternative to double action pliers. Jaw tapers to 3mm.*

**NARROW NOSE WIRE PULLING FORCEPS**  
 KM 48-253  
 7½"  
 3mm tip



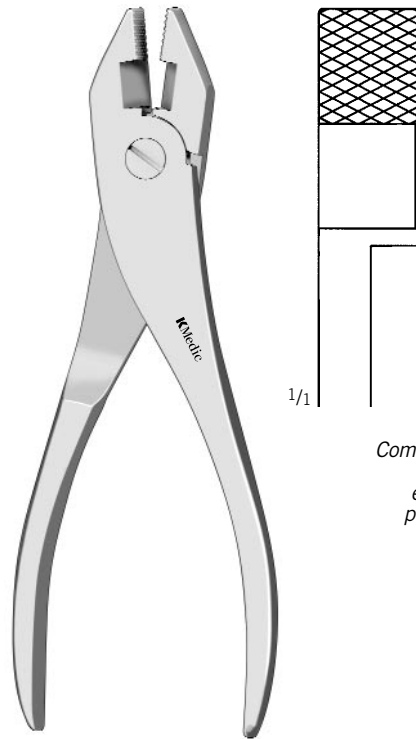
*Long delicate jaws are 2mm at the tip. Perfect for pulling K-Wires, especially in hard to reach sites.*

**LONG JAW NEEDLE NOSE PLIERS**  
 KM 48-250  
 7" parallel grooved jaws  
 jaw length: 2¼"  
 2mm tip



*Traditional design utility pliers have adjustable jaws. Good all purpose plier for handling Steinmann Pins, K-Wires, screws and rods. 10mm jaw tip.*

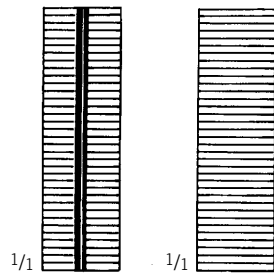
**SLIP JOINT PLIERS**  
 KM 48-262  
 8"  
 10mm tip  
 maximum opening 2"



*Combination pliers and K-Wire Cutter. An economical general purpose instrument.*

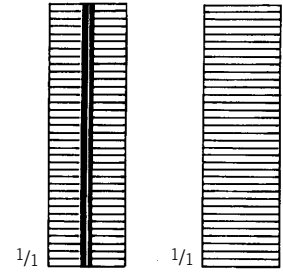
**LINEMAN PLIERS** with cutting edge  
 KM 48-259  
 8½" side cutting  
 maximum capacity .062" (1.6mm)

**PLIERS**



*Parallel grooved 10mm jaws provide enormous gripping power. Ideal for pin removal.*

**PARALLEL PLIERS**  
KM 48-604  
7"  
10mm tip  
maximum opening 1/2"



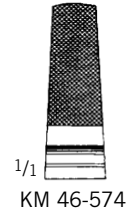
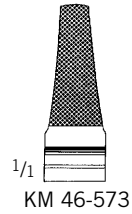
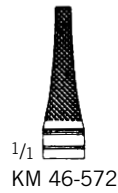
*Combination pliers and wire cutter has all the benefits of our Parallel Pliers plus a cutting jaw for K-Wires up to .062" (1.6mm).*

**PARALLEL PLIERS with cutter**  
KM 48-605  
7"  
10mm tip  
maximum opening 1/2"  
maximum capacity .062" (1.6mm)



*Heavy duty jaws lock securely onto pins. Adjustment screw for easy control of jaw opening. One-handed quick release self-locking lever.*

**SMALL LOCKING PLIERS**  
KM 48-600  
6 3/4"  
tip width 8mm  
maximum opening 1"



- Recommended for heavy use. Double action and finely serrated carbide tips combine to provide a powerful grip on K-Wires and pins.
- 2mm tip is ideal for removing K-Wire up to 0.62mm from small, hard-to-reach sites.
- 4mm and 6mm jaws are ideal for grasping and pulling all sizes of K-Wires and pins.

**DOUBLE ACTION WIRE EXTRACTION PLIERS 7"**

- KM 46-572 2mm delicate jaw, carbide
- KM 46-573 4mm jaw, carbide
- KM 46-574 6mm jaw, carbide



*Cannulation allows for easy feeding of wire around the bone.*

**WIRE PASSER (CANNULATED)**

- KM 48-386 7" 45mm diameter
- KM 48-388 9 1/2" 70mm diameter

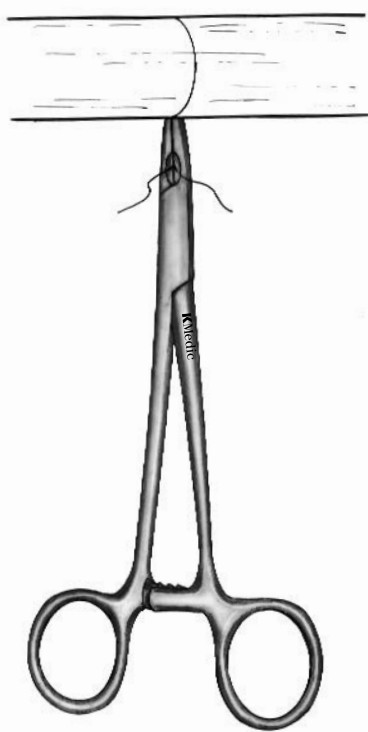


*Maximum capacity: 1.5mm or 17 gauge cerclage wire.*

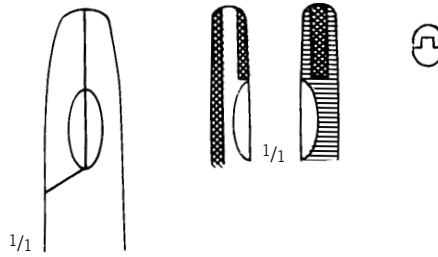
**LOUTIE WIRE TIGHTENER**

- KM 46-619 8 1/2"

## WIRE TIGHTENERS AND TWISTERS



**P.I. WIRE TWISTER AND  
TIGHTENER**  
KM 69-846  
6¼"



Follow these easy steps to twist and tighten cerclage wire:

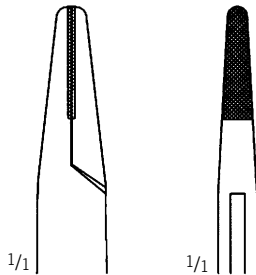
1. Position wire around bone. Bend the ends of the wire slightly upwards.
2. Feed both twisted wire ends through the tongue and groove jaw and push out and up through the jaw fenestration.
3. Engage the ratchet. This will lock the wire in place. Turn the entire instrument, tightening the wire around the bone.



Instrument design approved by  
The Podiatry Institute®



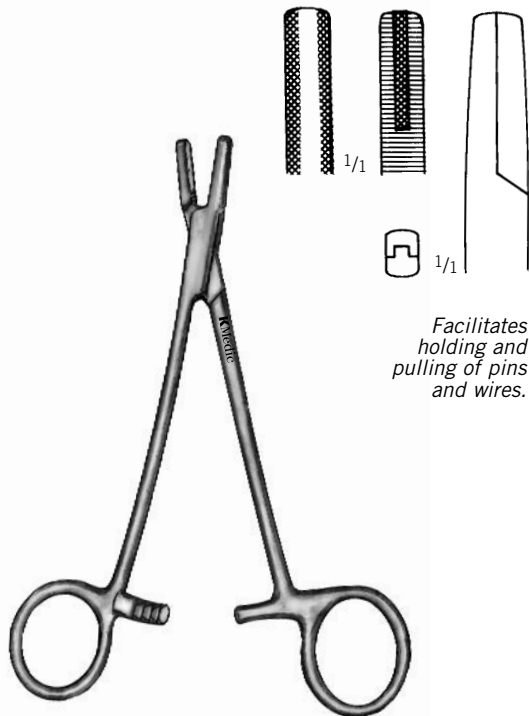
**CORWIN WIRE TWISTER**  
KM 46-582  
6¼" with carbide inserts  
maximum capacity: 0.8mm or 21 gauge cerclage wire



*Saves time by  
semi-automatically  
twisting soft wire.*

How to use the Corwin Wire Twister:

1. Wrap wire around bone and position ends next to each other.
2. Grasp both ends of wire with jaws.
3. Engage the ratchet to enforce solid clamping.
4. Stabilize wiring site.
5. Pull back on center ring repeatedly until wire has reached desired tension.
6. Disengage ratchet.



*Facilitates holding and pulling of pins and wires.*

**WIRE PULLING FORCEPS**  
 KM 46-637  
 6½"  
 maximum capacity: 1mm



**WIRE TWISTING FORCEPS**  
 KM 48-320  
 6" with carbide inserts  
 3mm tip



**WIRE TWISTING FORCEPS**  
 KM 48-322  
 8" with carbide inserts  
 4mm tip





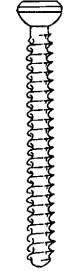
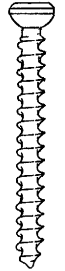

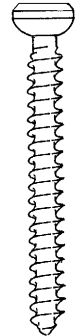
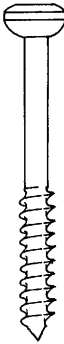
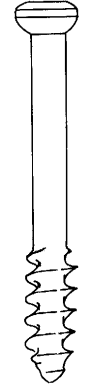


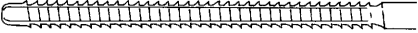


**WIRE TWISTING FORCEPS**  
 KM 48-324  
 7¼" with carbide inserts  
 6mm tip




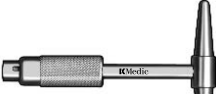

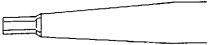


# KMedic®

## MASTER GUIDE

### SCREWS ■ DRILLBITS ■ TAPS ■ INSTRUMENTS

TYPE OF SCREW		CORTICAL				CANCELLOUS		CORTICAL	MALLEOLAR	CANCELLOUS	
		1.5mm	2.0mm	2.7mm	3.5mm	3.5mm	4.0mm	4.5mm	4.5mm	6.5mm	6.5mm
thread diameter		1.5mm	2.0mm	2.7mm	3.5mm	3.5mm	4.0mm	4.5mm	4.5mm	6.5mm	6.5mm
hexagonal socket size		1.5mm	1.5mm	2.5mm	2.5mm	2.5mm	2.5mm	3.5mm	3.5mm	3.5mm	3.5mm
<b>DRILL FOR GLIDING HOLE</b> KM NO.		48-052	48-054	48-058	48-063	48-063	—	48-067	—	48-067	48-068
											
diameter		1.5mm	2.0mm	2.7mm	3.5mm	3.5mm	NONE	4.5mm	NONE	4.5mm	4.5mm
											
					FINE THREAD	COARSE THREAD					
<b>DRILL FOR THREADED HOLE</b> KM NO.		48-051	48-052	48-054	48-057	48-054 or 48-057	48-054 or 48-057	48-061	48-061	48-061	48-061
											
diameter		1.1mm	1.5mm	2.0mm	2.5mm	2.0mm or 2.5mm	2.0mm or 2.5mm	3.2mm	3.2mm	3.2mm	3.2mm
<b>TAP</b> KM NO.		48-106	48-108	48-110	48-112	48-114	48-114	48-116	48-116	48-122	48-122
											
diameter		1.5mm	2.0mm	2.7mm	3.5mm	3.5mm	3.5mm	4.5mm	4.5mm	6.5mm	6.5mm



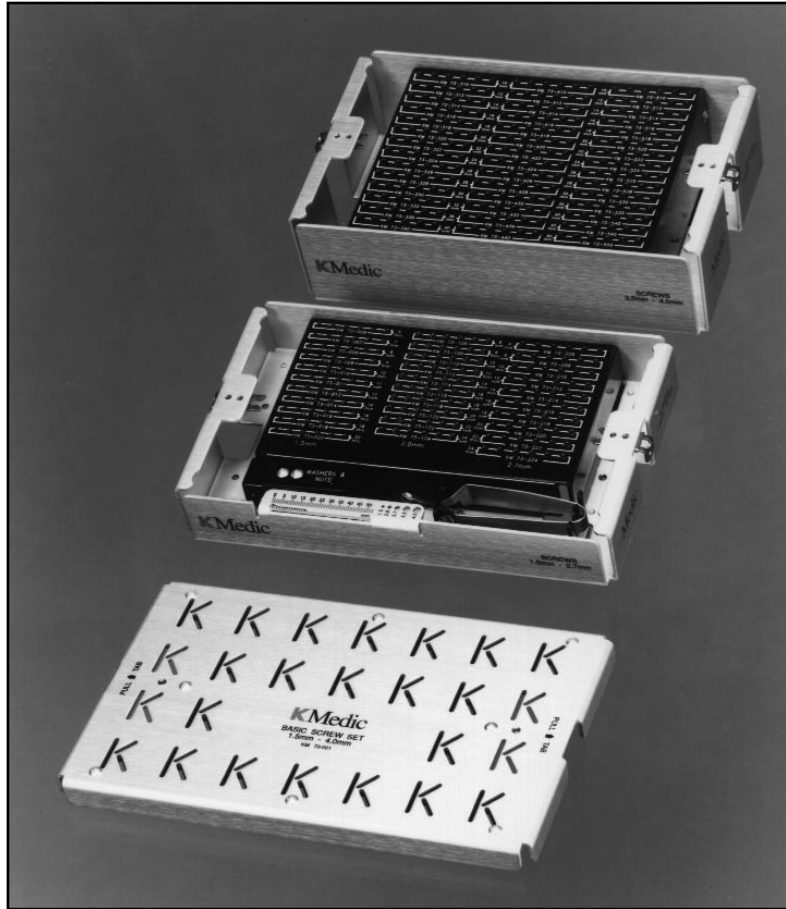
TYPE OF SCREW	CORTICAL				CANCELLOUS		CORTICAL	MALLEOLAR	CANCELLOUS		
	thread diameter	1.5mm	2.0mm	2.7mm	3.5mm	3.5mm	4.0mm	4.5mm	4.5mm	6.5mm	6.5mm
hexagonal socket size	1.5mm	1.5mm	2.5mm	2.5mm	2.5mm	2.5mm	3.5mm	3.5mm	3.5mm	3.5mm	3.5mm
<b>COUNTERSINK</b>	KM NO.	47-920	47-920	47-922	47-922	47-922	47-922	47-926	47-924	47-926	47-926
											
pilot diameter	1.1mm	1.1mm	2.0mm	2.0mm	2.0mm	2.0mm	4.4mm	3.2mm	4.4mm	4.4mm	4.4mm
<b>DEPTH GAUGE</b>	KM NO.	47-934	47-934	47-936	47-936	47-936	47-936	47-940	47-940	47-940	47-940
											
graduation	30mm	30mm	50mm	50mm	50mm	50mm	100mm	100mm	100mm	100mm	100mm
<b>QUICK COUPLING HANDLE</b>	KM NO.	47-902	47-902	47-904	47-904	47-904	47-904	47-904	47-904	47-904	47-904
				47-960	47-960	47-960	47-960	47-960	47-960	47-960	47-960
KM 47-904											
KM 47-960											
<b>SCREWDRIVERS</b>	KM NO.	47-950	47-950	47-953	47-953	47-953	47-953	47-954	47-954	47-954	47-954
				48-348	48-348	48-348	48-348				
				47-952	47-952	47-952	47-952	48-352	48-352	48-352	48-352
				48-368	48-368	48-368	48-368				
				48-350	48-350	48-350	48-350	48-349	48-349	48-349	48-349
<b>RATCHETING HANDLE</b>	KM NO.			48-651	48-651	48-651	48-651	48-651	48-651	48-651	48-651
											
<b>HEX SHAFTS</b>				48-664	48-664	48-664	48-664	48-665	48-665	48-665	48-665
				48-667	48-667	48-667	48-667	48-668	48-668	48-668	48-668

Dimensional and material standards of instruments are according to the International Organization for Standardization (ISO) where existing.

See page 107 for KMedic's Small Fragment Screw Fixation set. Includes all the instruments needed for small screw fixation using 2.7mm - 4.0mm screws.

## BASIC SCREW TRAY

See page 107 for KMedic's Small Fragment Screw Fixation set. Includes all the instruments needed for small screw fixation using 2.7mm - 4.0mm screws.



### BASIC SCREW TRAY

KM 73-001  
 two trays with cover  
 tray 1: 9" x 5" x 1½"  
 tray 2: 9" x 5" x 2½"  
 trays 1 and 2 combined: 9" x 10" x 4"  
 anodized aluminum  
 includes KM 47-930 Screw Holding Forceps

Accommodates six each of the following screws:

- 1.5mm
- 2.0mm
- 2.7mm
- 3.5mm (fine thread)
- 3.5mm (coarse thread)
- 4.0mm

*Please note: This tray will accommodate screws made according to ISO Standards.*

**DRILL BITS**  
with quick coupling ends



*To drill gliding  
and threaded holes.*

*Designed to fit quick  
coupling handles  
KM 47-902  
KM 47-904  
KM 47-960*

	diameter	overall length	working length	flute length
KM 48-051	1.1mm	60mm	33mm	12.5mm
KM 48-052	1.5mm	85mm	58mm	18mm
KM 48-054	2.0mm	100mm	73mm	21.5mm
KM 48-057	2.5mm	110mm	83mm	32mm
KM 48-058	2.7mm	100mm	73mm	29mm
KM 48-061	3.2mm	145mm	118mm	43mm
KM 48-063	3.5mm	110mm	83mm	41.5mm
KM 48-067	4.5mm	145mm	120mm	50mm
KM 48-068	4.5mm	195mm	170mm extra long	50mm
KM 48-069	6.0mm	195mm	170mm extra long	60mm

**DRILL BITS**  
with round drill chuck end

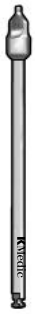


*Designed to fit any  
Jacobs chuck drill.*

	diameter	overall length	flute length
KM 48-070	1.0mm	55mm	25mm
KM 48-071	1.5mm	70mm	30mm
KM 48-073	2.0mm	85mm	38mm
KM 48-076	2.5mm	95mm	43mm
KM 48-077	2.7mm	85mm	32mm
KM 48-080	3.2mm	130mm	40mm 3 sided shank
KM 48-079	3.2mm	180mm	70mm
KM 48-081	3.5mm	95mm	42mm 3 sided shank
KM 48-082	3.5mm	180mm	70mm extra long
KM 48-085	4.5mm	130mm	55mm 3 sided shank
KM 48-086	6.0mm	180mm	70mm extra long 3 sided shank

# COUNTERSINKS

Countersinks: used to prepare correct seating for screw head.  
For the correct instrumentation, please refer to the chart on pages 86 and 87.



For mini screws  
1.5/2.0mm.

**MINI COUNTERSINK**

KM 47-920  
2 1/4"  
1.1mm tip  
quick coupling end



For small screws  
2.7/3.5/4.0mm.

**SMALL COUNTERSINK**

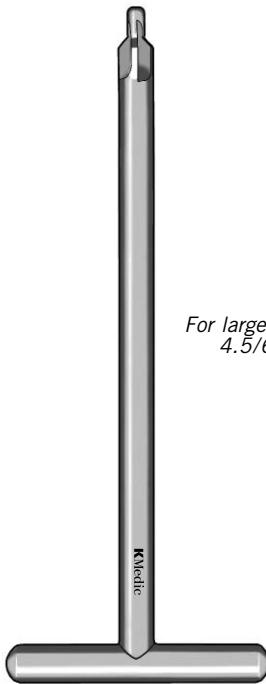
KM 47-922  
2 3/4"  
2.0mm tip  
quick coupling end



For malleolar  
screws.

**MALLEOLAR COUNTERSINK**

KM 47-924  
4 3/4"  
3.2mm tip  
quick coupling end



For large screws  
4.5/6.5mm.

**LARGE COUNTERSINK**

KM 47-926  
7"  
4.5mm tip



Converts QC end to  
round end with  
three flat sides for  
power drills.

**ADAPTOR (POWER DRILL)**

KM 45-002  
2 1/2"

**TAPS**

with quick coupling ends

*Taps: used to prepare thread path for insertion of bone screws.  
For the correct instrumentation, please refer to the chart on pages 86 and 87.*

For cortical screws  
thread pitch 0.5mm



KM 48-106  
2"  
1.5mm diameter

For cortical screws  
thread pitch 0.6mm



KM 48-108  
2 1/4"  
2.0mm diameter

For cortical screws  
thread pitch 1.0mm



KM 48-110  
4"  
2.7mm diameter

For cortical screws  
thread pitch 1.25mm  
fine thread



KM 48-112  
4 1/2"  
3.5mm diameter

For 3.5 and 4.0mm  
cancellous screws  
thread pitch 1.75mm  
coarse thread



KM 48-114  
4 1/2"  
3.5mm diameter

For 4.5mm cortical  
and 4.5mm malleolar  
(shaft) screws



KM 48-116  
5"  
4.5mm diameter

For 4.5mm cortical  
and 4.5mm malleolar  
(shaft) screws



KM 48-118  
5"  
4.5mm diameter  
long thread

For cancellous screws  
calibrated, with mm graduations



KM 48-122  
8"  
6.5mm diameter

## DEPTH GAUGES AND QUICK COUPLING HANDLES

For holding quick coupling drills, countersinks, taps and screwdrivers.

To help select the correct size for your needs — refer to our cross-reference chart on pages 86 and 87.



**MINI QUICK COUPLING HANDLE**  
 KM 47-902  
 4 1/8"  
 for mini screw set



Phenolic handles are autoclavable to 290°F (143°C)

**SMALL QUICK COUPLING HANDLE**  
 KM 47-904  
 4 1/2"  
 for small and large screw sets



**SMALL QUICK COUPLING T-HANDLE**  
 KM 47-960  
 3 1/2"  
 for small and large screw sets

Used to determine screw length required during internal fracture fixation (mm graduated). Snaps apart for easy cleaning.  
**IMPORTANT NOTE:** When not in use retract measuring end inside gauge for probe protection.



**MINI SCREW DEPTH GAUGE**  
 KM 47-934  
 4 3/4"  
 up to 30mm



**SMALL SCREW DEPTH GAUGE**  
 KM 47-936  
 6 1/4"  
 up to 50mm



**LARGE SCREW DEPTH GAUGE**  
 KM 47-940  
 8 3/4"  
 up to 100mm

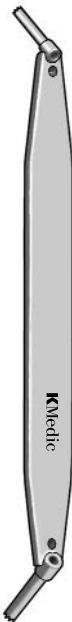


**X-LONG SCREW DEPTH GAUGE**  
 KM 47-935  
 11"  
 up to 120mm

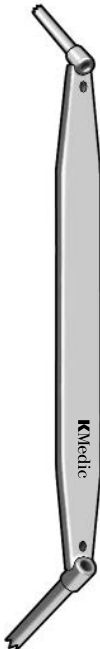
*Drill guides and sleeves: used with drills and taps to place accurate holes and protect surrounding tissue.*



**DOUBLE DRILL SLEEVE** 1.5mm/1.1mm  
KM 47-968  
for 1.1mm and 1.5mm drill bits  
and tap for 1.5mm cortical screws



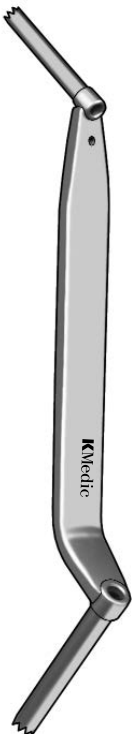
**DOUBLE DRILL SLEEVE** 2.0mm/1.5mm  
KM 47-966  
for 1.5mm and 2.0mm drill bits  
and tap for 2.0mm cortical screws



**DOUBLE DRILL SLEEVE** 2.7mm/2.0mm  
KM 48-002  
for 2.0mm and 2.7mm drill bits  
and tap for 2.7mm cortical screws



**DOUBLE DRILL SLEEVE** 3.5mm/2.5mm  
KM 47-972  
for 2.5mm and 3.5mm drill bits  
and tap for 3.5mm cortical screws,  
and tap for 4.0mm cancellous screws

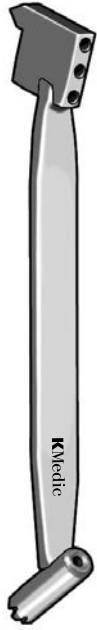


**DOUBLE DRILL SLEEVE** 4.5mm/3.2mm  
KM 47-967  
for 3.2mm and 4.5mm drill bits  
and tap for 4.5mm cortical screws,  
and tap for 4.5mm malleolar (shaft) screws



**DOUBLE DRILL SLEEVE** 6.5mm/3.2mm  
KM 47-965  
for 3.2mm drill bits and tap  
for 6.5mm cancellous screws

**DRILL GUIDES AND SLEEVES**



**TRIPLE WIRE AND DRILL GUIDE** 2.0mm  
KM 47-970  
three holes and one hole for 2.0mm drill bits

*Also can be used as 3.2mm drill bit guide.*



**TAP SLEEVE**  
KM 47-971  
4 1/2"  
for 3.2mm drill bits



**INSERT DRILL SLEEVE** 3.5mm/2.7mm  
KM 47-974  
for 2.5mm drill bits and for long 3.5mm lag screws



**INSERT DRILL SLEEVE** 4.5mm/3.2mm  
KM 47-973  
for 3.2mm drill bits and for 4.5mm lag screws



**TAP SLEEVE**  
KM 47-969  
5" with toothed tip and tissue protector sleeve for 4.5mm tap

*Also can be used as 4.5mm drill bit guide.*



**POINTED DRILL GUIDE**  
KM 47-975  
6"  
for 4.5mm cortical screws

*Used with tap sleeve KM 47-969 or KM 47-967.*





**DRILL SLEEVE**  
 KM 47-976  
 4½" with 40mm long tip  
 for 3.2mm drill bits  
 for round hole and  
 semi-tubular plates

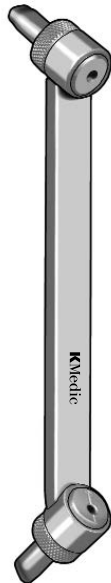


**DRILL SLEEVE**  
 KM 47-982  
 5" with 60mm long tip  
 for 3.2mm drill bits  
 for round hole plates

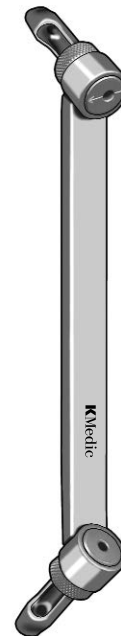


**DRILL GUIDE** 2.0mm neutral and load end  
 KM 47-977  
 4¾"  
 for 2.0mm drill bit  
 for 2.7mm cortical screw

*Drill guide ends are color coded.  
 green=neutral  
 gold=load*



**DRILL GUIDE** 2.5mm neutral and load end  
 KM 47-978  
 5½"  
 for 2.5mm drill bit  
 for 3.5mm cortical screw



**DRILL GUIDE** 3.2mm neutral and load end  
 KM 47-980  
 6½"  
 for 3.2mm malleolar (shaft) drill bit  
 for 4.5mm cortical screw

**SCREWDRIVERS**

*Screwdrivers: used to place and remove bone screws.*



1.5mm



**MINI HEXAGONAL SCREWDRIVER**

KM 47-950      KM 47-959  
 2¼", 1.5mm      screw holding  
 quick coupling end      sleeve only  
 sleeve included

1.5/2.0mm



**MINI CRUCIFORM SCREWDRIVER BIT**

KM 45-004      KM 47-959  
 2½", 1.5/2.0mm      screw holding  
 quick coupling end      sleeve only  
                                  for KM 45-004

2.5mm



**SMALL HEXAGONAL SCREWDRIVER**

KM 47-953      KM 47-955  
 4", 2.5mm      screw holding  
 quick coupling end      sleeve only  
 sleeve included      for KM 47-953

2.5mm



**HEXAGONAL SCREWDRIVER SHAFT**

KM 48-348      KM 48-365  
 5½", 2.5mm      sleeve only  
 quick coupling end  
 with notch

3.5mm



**LARGE HEXAGONAL SCREWDRIVER**

KM 47-954  
 4½", 3.5mm  
 quick coupling end



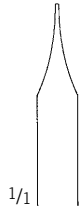
*This is the sleeve for  
KM 48-368, KM 48-348.*

**SCREWDRIVER SLEEVE**  
KM 48-365  
3"



*This is the sleeve for  
KM 48-349, KM 48-353.*

**SCREWDRIVER SLEEVE**  
KM 47-983  
5"



*Phenolic handle  
is autoclavable to  
290° F (143° C).*

**SINGLE SLOT SCREWDRIVER**  
KM 48-355  
6¾"  
with phenolic handle



2.5mm



*Phenolic handle  
autoclavable to  
290° F (143° C).*

**HEXAGONAL SCREWDRIVER**  
KM 47-952  
7¾", 2.5mm  
screwdriver with sleeve

KM 47-955  
screw holding  
sleeve only  
for KM 47-952

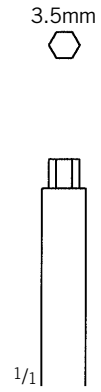
KM 47-956  
screwdriver only  
for KM 47-952

**SCREWDRIVERS**



**HEXAGONAL SCREWDRIVER**

KM 48-368 8", 2.5mm with notch screwdriver only  
 KM 48-365 sleeve only

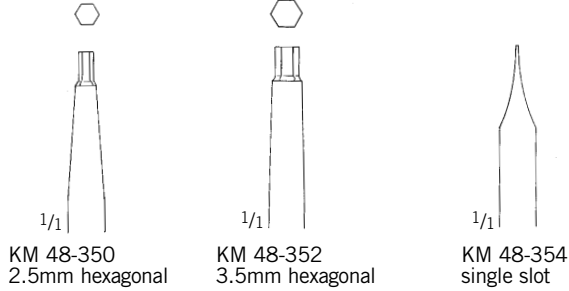


**HEXAGONAL SCREWDRIVER**

KM 48-349 10", 3.5mm with notch  
 KM 47-983 sleeve only



*Phenolic handle is autoclavable to 290° F (143° C).*



KM 48-350 2.5mm hexagonal

KM 48-352 3.5mm hexagonal

KM 48-354 single slot



KM 48-356 cruciform



KM 48-358 Phillips

**SCREWDRIVER** 10" with phenolic handle



*Phenolic handle autoclavable to 290° F (143° C).*

**CRUCIFORM SCREWDRIVER**

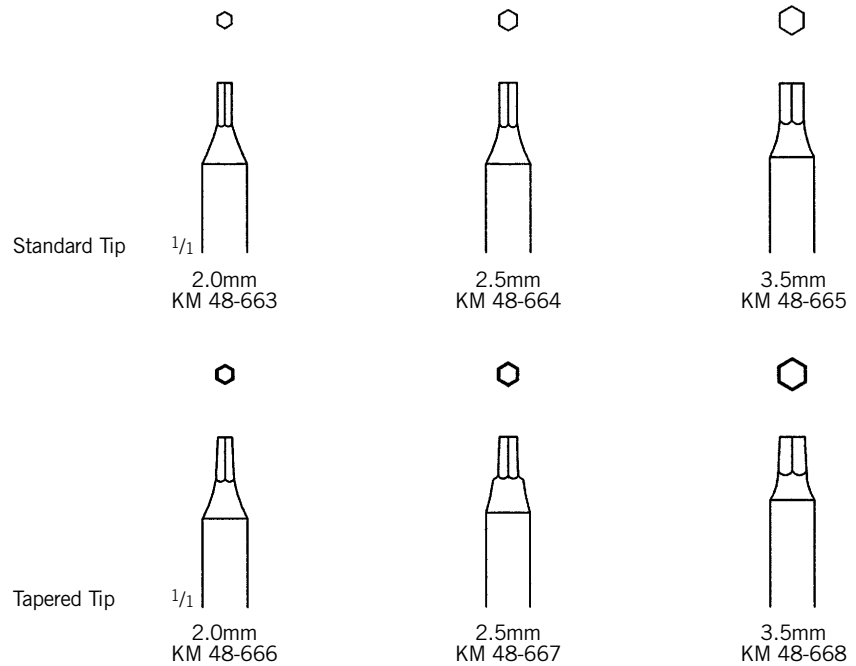
KM 47-957 7-1/2", 1.5/2.0mm screwdriver with sleeve

KM 47-959 screw holding sleeve only for KM 47-957

KM 47-958 screwdriver only for KM 47-957

## Ratcheting Handle and Hex Shafts

Ratchet mechanism provides a positive clockwise and counterclockwise action with a lockable neutral position.



### SCREWDRIVER HEX SHAFTS

8" straight  
3/16" square drive  
standard or tapered tips

- Designed to work with Mini Ratcheting Screwdriver Handle KM 48-651.
- Hex shafts are available in a standard or tapered tip and are non-cannulated.



### MINI RATCHETING SCREWDRIVER HANDLE

KM 48-651  
3 3/4"  
3/16" square drive

- For use with KM 48-663 through KM 48-668 Screwdriver Hex Shafts
- Designed for standard driving applications.
- Handles are fully cannulated and autoclavable.
- Patented Ortho-Grip™ silicone handle provides a comfortable, slip-proof grip.

# SCREW HOLDING AND REMOVING FORCEPS

100



*To check fracture and remove ingrown tissue.*

**SHARP HOOK**  
KM 47-880  
6"



*To hold all sizes of KMedic bone screws.*

**SELF-RETAINING SCREW HOLDING FORCEPS**  
KM 47-930  
3½"

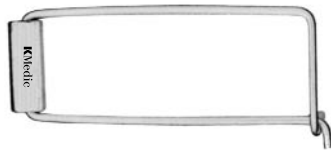


**SELF-RETAINING SCREW HOLDING FORCEPS**  
KM 45-208 for 1.5mm to 2.7mm screws  
KM 45-210 for 3.5mm to 6.5mm screws

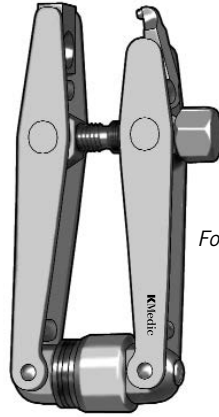


*Useful for removing 3.0mm to 4.5mm screws.*

**SCREW REMOVAL FORCEPS** with speed lock  
KM 49-920  
7"  
with carbide inserts



**PLATE HOLDING CLIP**  
 KM 47-962 2.0mm  
 KM 47-963 2.7mm  
 KM 47-964 3.5mm



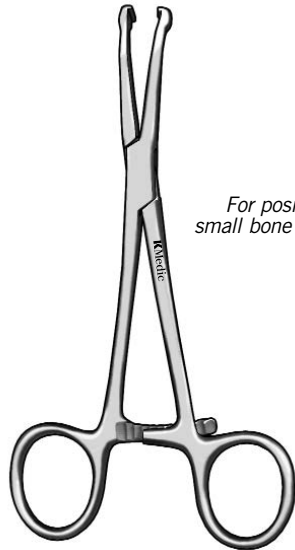
*For standard and small plates.*

**TENSION DEVICE ARTICULATED**  
 KM 47-911  
 3½"  
 span: 20mm



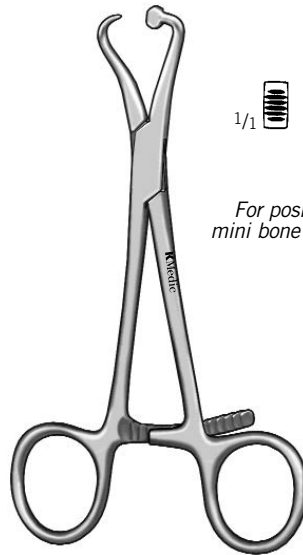
*For tightening 8mm nuts.*

**WRENCH**  
 KM 47-914  
 5"



*For positioning small bone plates.*

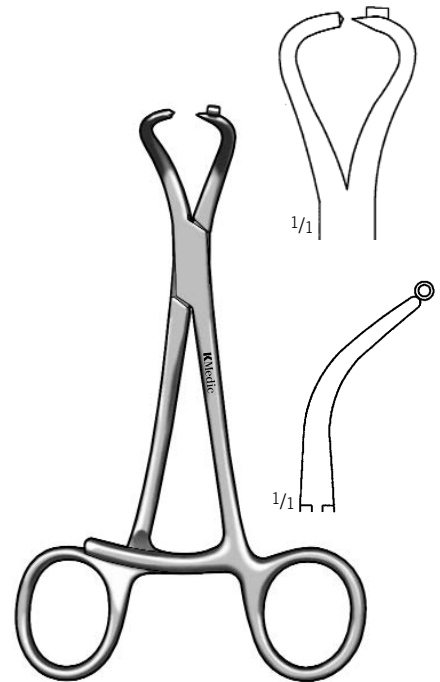
**PLATE AND BONE HOLDING FORCEPS**  
 KM 47-138  
 4¾"



1/1

*For positioning mini bone plates.*

**PLATE AND BONE HOLDING FORCEPS**  
 KM 47-139  
 4¾"  
 1 pointed tip



1/1

1/1

**BONE HOLDING FORCEPS**  
 KM 45-304  
 5¼" with 1.6mm drill guide for positioning K-Wire up to .062" (1.6mm)

**PLATE BENDING INSTRUMENTS**

*Bending instruments: To avoid weakening of plates, do not bend or twist sharply. Never reverse bend, bend or twist at a plate hole.*



**MINI PLATE BENDING IRON**  
 KM 47-917  
 4<sup>3</sup>/<sub>4</sub>"  
 for mini and finger plates



KM 47-916

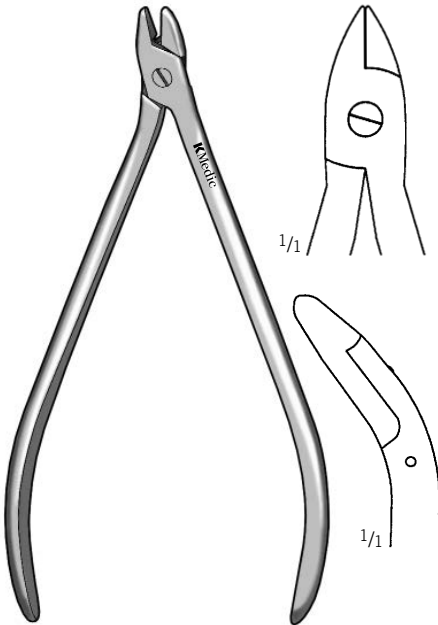


KM 47-915

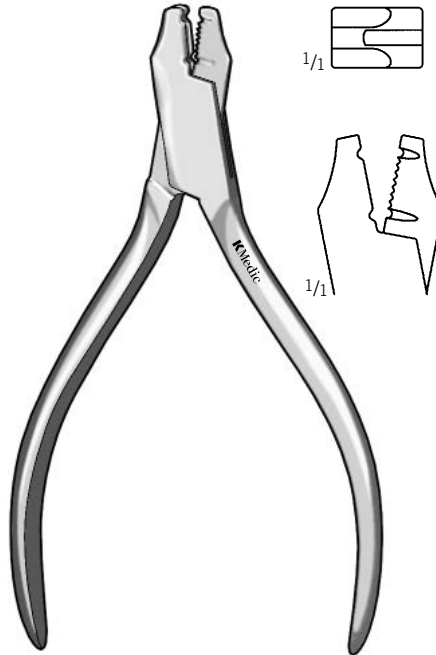
**SMALL PLATE BENDING IRONS**  
 5<sup>1</sup>/<sub>2</sub>"  
 for 2.7mm and 3.5mm plates  
 Used in pairs.



**MINI PLATE BENDING PLIERS**  
 KM 48-244  
 5"  
 for 1.5mm and 2.0mm plates



**BENDING PLIERS**  
 KM 47-931  
 5<sup>1</sup>/<sub>2</sub>"  
 for 1.5mm and 2.0mm plates



**K-WIRE AND PLATE BENDER**  
 KM 49-724  
 Bends mini plates and up to  
 1.1mm (.045") K-Wire to 90° angle  
 3 prong



**BENDING PLIERS**  
 KM 47-925  
 8<sup>3</sup>/<sub>4</sub>"  
 for 2.7mm plates



# SmartRacks®

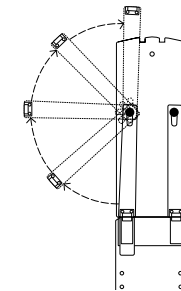
Exclusive KMedic design protects sharp edges better.

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.

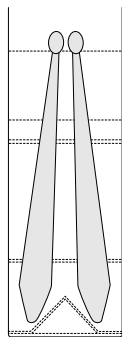
Delicate tips are protected. A plastic plate attached to the top bracket prevents metal to metal contact—even when the racks are turned upside down.

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



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

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.

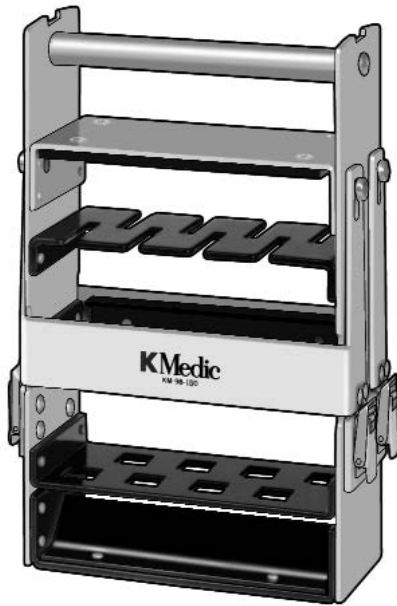
SmartRacks® save time. Product number and content charts are printed on top of racks. This makes instrument-to-rack identification quick and easy.

DESCRIPTION	INSTRUMENTS HELD IN EACH RACK
<p><b>HOKE SMARTRACK®</b> KM 98-150 8 1/4" x 5" x 2 1/4"</p>	<p><b>Eight 5 1/4" KMedic Hoke Chisels or Osteotomes</b> 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><b>BRUN SMARTRACK®</b> KM 98-160 9 3/4" x 8 1/2" x 2 3/4"</p>	<p><b>Twelve 7" KMedic Brun Curettes</b> KM 46-511 thru KM 46-531</p>

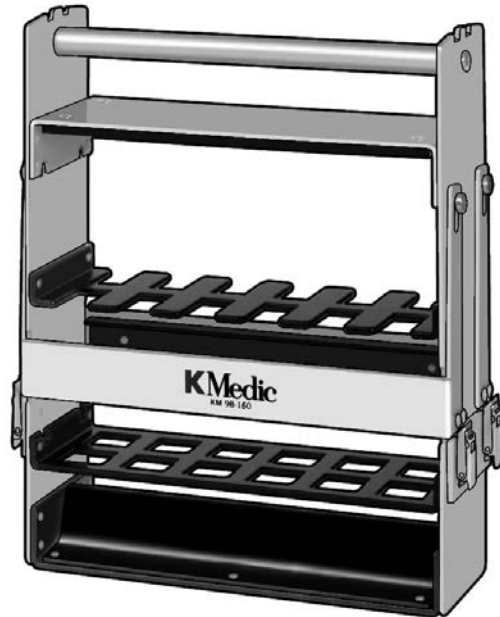
For our complete line of SmartRacks® refer to our Orthopedic Sourcebook™.

U.S. Patent #5,843,388

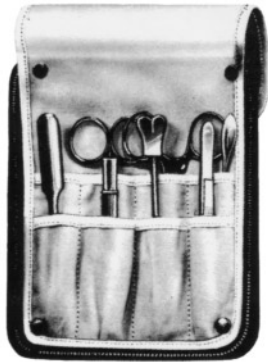
# SMARTRACKS®, FLAT PACKS AND STERILIZATION CONTAINERS



**HOKE SMARTRACK®**  
 KM 98-150  
 8 1/4" x 5" x 2 1/4"  
 Holds eight 5 1/4" KMedic  
 Hoke Chisels or Osteotomes  
 U.S. Patent #5,843,388



**BRUN SMARTRACK®**  
 KM 98-160  
 9 3/4" x 8 1/2" x 2 3/4"  
 Holds twelve 7" KMedic  
 Brun Curettes  
 U.S. Patent #5,843,388



Cover made of leather.  
 Removeable inserts made of cotton.

**INSTRUMENT FLAT PACK**

<i>Flat Pack and Insert</i>	<i>Cotton Inserts Only</i>
KM 98-112	KM 98-112P
7" x 4" holds 12	holds 12
KM 98-116	KM 98-116P
8" x 5" holds 16	holds 16
KM 98-120	KM 98-120P
8" x 6" holds 20	holds 20



**STERILIZING CONTAINER**

KM 46-544	KM 46-545
9" x 5" x 2"	11" x 9" x 2"

**SILICONE MAT**

KM 98-125  
 fits tray KM 46-544

**REPLACEMENT CLOTH INSERTS**

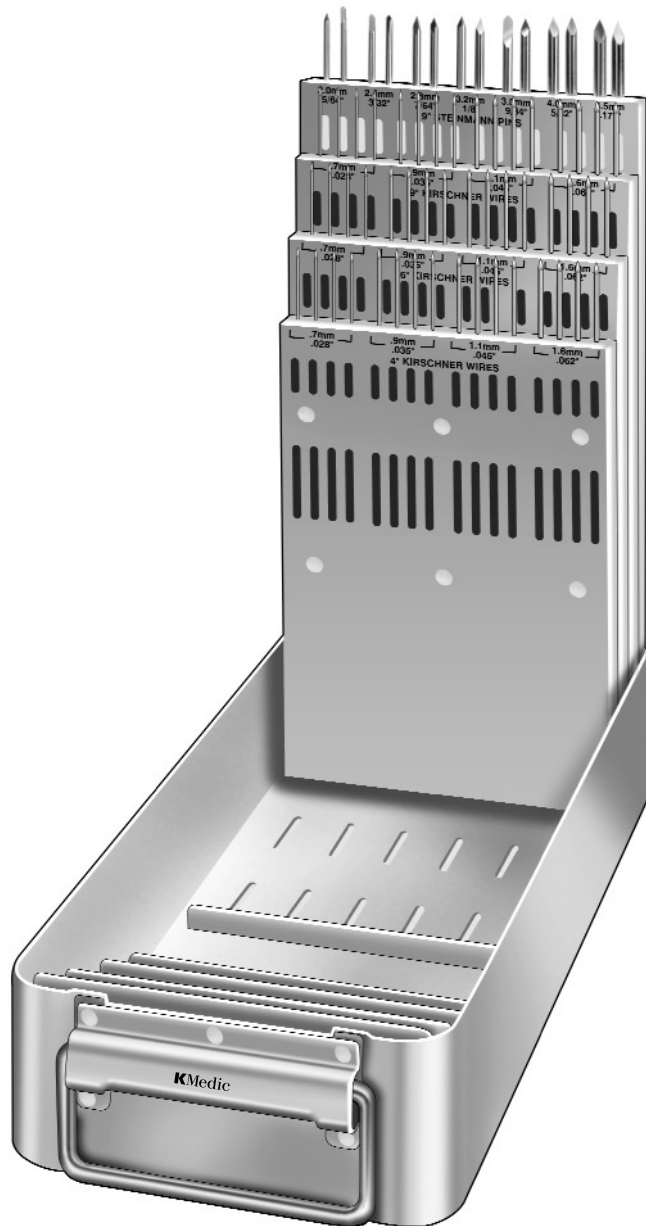
KM 46-544P	small
KM 46-545P	medium

*Sterilize, identify, move and store all your instruments together in these stainless steel containers. Removable lid can double up as a tray. Engravable tags for easy identification. Check the size of your autoclave chamber before ordering. Wrap container before placing in steam or gas sterilizer.*

*Recommend to replace cloth inserts every six months.*

## K-Wire and Steinmann Pin Sterilization Case

Designed to provide easy access and identification.



The KMedic K-Wire and Steinmann Pin Sterilization Case holds popular 4", 6" and 9" K-Wires and 9" Steinmann Pins.

Accommodates four each of the following K-Wire diameters:

.028" (.7mm)  
.035" (.9mm)  
.045" (1.1mm)  
.062" (1.6mm)

Accommodates two each of the following Steinmann Pin diameters:

5/64" (2.0mm)  
3/32" (2.4mm)  
7/64" (2.8mm)  
1/8" (3.2mm)  
9/64" (3.5mm)  
5/32" (4.0mm)  
.177" (4.5mm)

- Removable lid fits under case—taking up less room in the O.R.
- Nylon coated brackets prevent metal-to-metal contact—protecting sharp ends.
- Contents are held in place when closed—preventing shifting.
- Secure locking side brackets help prevent accidental opening.
- Handles at each end for easy transport.
- Anodized aluminum case is lightweight and built to withstand abuse.
- Fully autoclavable to 270°F.



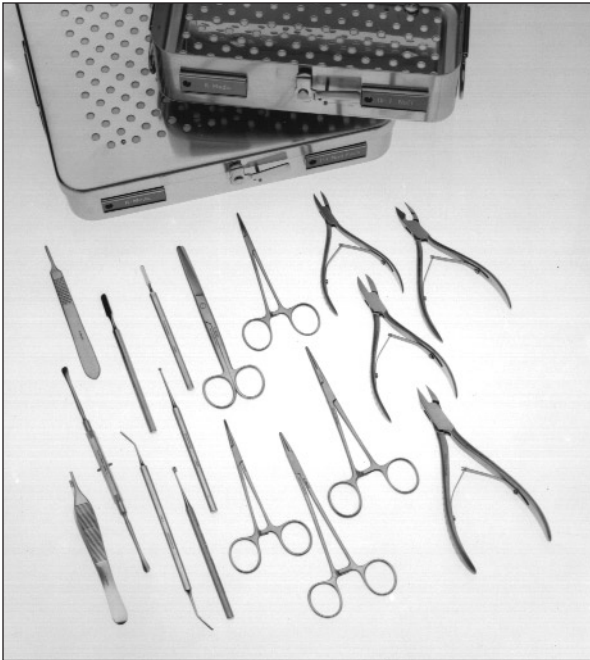
Case in closed position

### K-WIRE AND STEINMANN PIN STERILIZATION CASE

KM 71-010  
11 3/4" x 5 1/4" x 2" (closed)

# The Podiatry Institute® Nail Pack™

All the instruments you need – at your fingertips



Each Nail Pack contains:

KM#	Qty.	Description
KM 29-058	1	SCALPEL HANDLE #3
KM 33-324	1	OPERATING SCISSORS 5½" straight bl/bl
KM 36-156	2	MOSQUITO FORCEPS 5" straight
KM 36-158	2	MOSQUITO FORCEPS 5" curved
KM 36-166	1	KELLY FORCEPS 5½" straight
KM 39-092	1	ADSON BROWN FORCEPS 4¾" 9x9
KM 41-170	1	CRILE-WOOD NEEDLE HOLDER 6" serrated
KM 57-614	1	FREER PERIOSTEAL ELEVATOR 7½"
KM 69-294	1	TISSUE NIPPER 5" medium
KM 69-326	1	NAIL SPLITTER FORCEPS 5" medium jaw
KM 69-344	1	NAIL SPLITTER FORCEPS 6" heavy, fine point
KM 69-448	1	NAIL SPLITTER FORCEPS 4½" thin jaw
KM 69-457	1	CURETTE #4, 5" 4mm McGlamry Bullneck
KM 69-484	1	CURETTE #2, 5" 2.5mm with hole
KM 69-538	1	NAIL RASP 6¾" angled double end
KM 69-579	1	LOCKE ELEVATOR 5" narrow, McGlamry Bullneck
KM 69-590	1	LOCKE ELEVATOR 5" wide, McGlamry Bullneck (Sorry, no substitutions)

Sterilizing and Storage Containers (optional) see page 104

KM 46-544	1	STERILIZING CONTAINER 9" x 5" x 2" small
KM 46-545	1	STERILIZING CONTAINER 11" x 9" x 2" large (Instruments will fit into either container. Before ordering, please check size of your autoclave chamber.)

KM 69-900	1	P.I. NAIL PACK (Instruments only)
KM 69-901	1	P.I. NAIL PACK AND SMALL CONTAINER
KM 69-902	1	P.I. NAIL PACK AND LARGE CONTAINER

## INSTRUMENT MANAGEMENT MADE EASY

If you've ever reached for a specific instrument while performing a procedure, only to find it missing from your tray, you know why we created the Nail Pack™. It includes every instrument you need for nail procedures.

## DESIGNED FOR FLEXIBLE USE

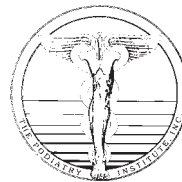
The Nail Pack™ was developed, tested, and approved by The Podiatry Institute®. The idea was to make it very flexible, for many different potential nail and digit related conditions. With the addition of another instrument or two, it also works well for arthroplasties, the removal of small extoses, or as a laceration tray.

## EFFICIENT AND PORTABLE

The optional sterilization/storage container, available in two sizes, allows you to sterilize and store the whole set together. By always sterilizing the complete set, you avoid cross contamination between the used and unused instruments. The removable lid can also be used as a tray.

## FOR OFFICE OR HOSPITAL USE

If you need to update a worn or incomplete instrument set . . . are planning to equip new offices . . . or are simply tired of finding needed instruments missing from the tray laid out for you, the P.I. Nail Pack™ is the perfect solution. Identify your instrument sets with custom engraved, personalized aluminum tags on the container.

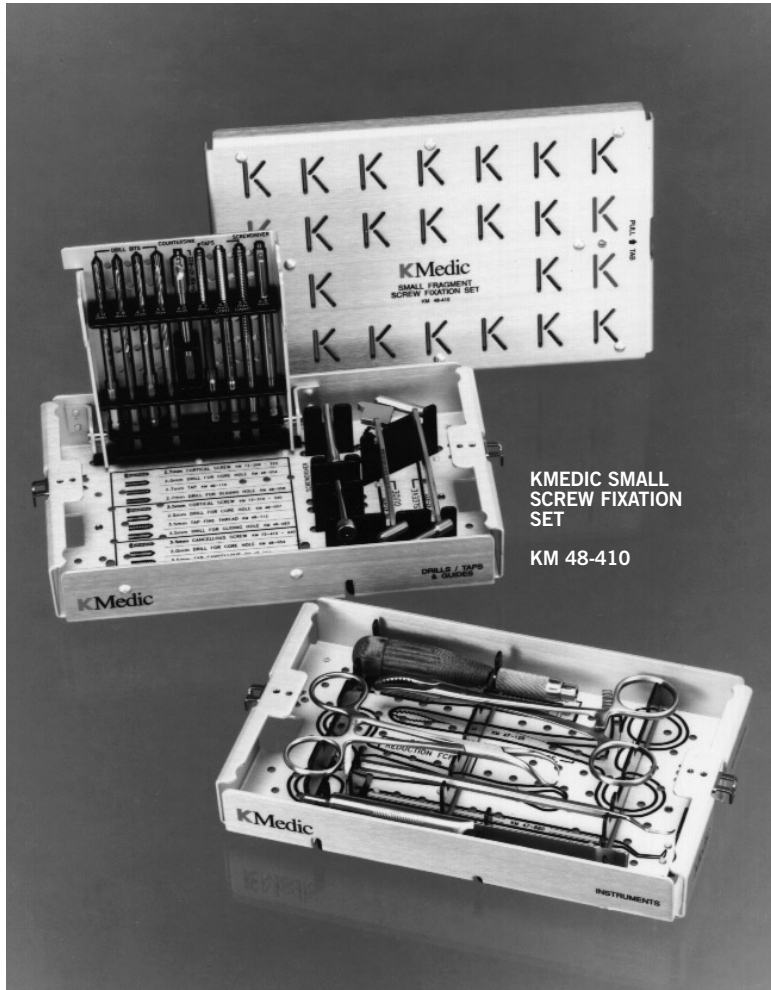


**WORKING TOGETHER  
TO IMPROVE  
FOOT AND ANKLE  
INSTRUMENT TECHNOLOGY**

KMedic is the exclusive licensed producer of instruments designed or modified by The Podiatry Institute®. A royalty is paid to The Podiatry Institute® on each instrument set sold which is used to promote podiatric education.

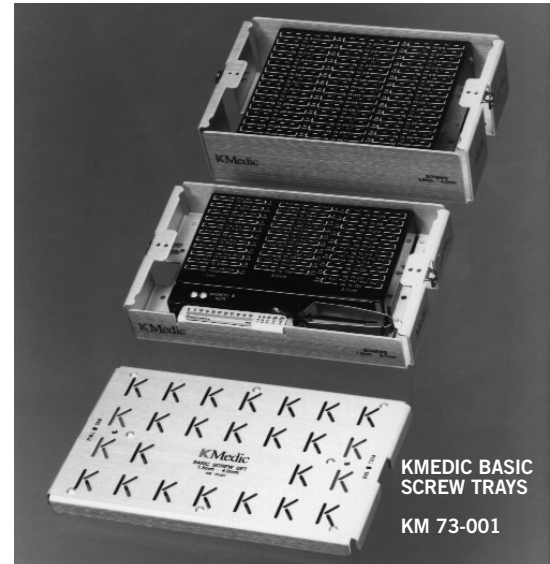
# The Internal Fixation Set

Specifically Designed for the Office and Surgicenter



KMEDIC SMALL  
SCREW FIXATION  
SET

KM 48-410



KMEDIC BASIC  
SCREW TRAYS

KM 73-001



STACKED  
INSTRUMENT &  
SCREW TRAYS

KMedic's Small Fragment Screw Fixation Set provides all the instruments you need to manage small screw fixation using 2.7mm through 4.0mm screws. The set is perfect for the office and surgicenter where quality is mandatory but budgets are limited. The instruments are compatible with the latest AO techniques. Dimensional standards are according to the International Organization for Standardization (ISO).

- **COMPACT SIZE** Fits into all autoclaves. Autoclave individually or in any tray combination.
- **COST EFFECTIVE** Maintain a personal set at each operating facility to avoid scheduling conflicts. Buy only what you need now. Add on as you go.
- **MODULAR DESIGN** Trays stack and lock together. No metal-to-metal contact of implants or instruments assures implant integrity.
- **CLEAR GRAPHICS** Plus quick reference chart make set-up, use and reordering easy.
- **LIGHTWEIGHT AND PORTABLE** Easy to transport from the office to other operating sites. Precision placement of contents keeps each item securely in its place.

**INTERNAL FIXATION SET****KM 48-410 SMALL FRAGMENT SCREW FIXATION SET**

includes one each of the following items:

KM#	Qty	Description
KM 47-137	1	BONE REDUCTION FORCEPS, POINTED 5½"
KM 47-880	1	SHARP HOOK 6"
KM 47-128	1	BONE REDUCTION FORCEPS 6" curved jaw
KM 48-054	1	DRILL BIT 2.0mm, 4"
KM 48-057	1	DRILL BIT 2.5mm, 4½"
KM 48-058	1	DRILL BIT 2.7mm, 4"
KM 48-063	1	DRILL BIT 3.5mm, 4½"
KM 47-922	1	COUNTERSINK SMALL 2.0mm, 2¾"
KM 48-110	1	TAP 2.7mm, 4"
KM 48-112	1	TAP 3.5mm, 5" fine thread
KM 48-114	1	TAP 3.5mm, 4½" 1.75mm thread
KM 47-904	1	QUICK COUPLING HANDLE 4½" small
KM 47-970	1	DRILL GUIDE for 2.0mm drill, 4¼"
KM 47-972	1	TAP SLEEVE 2.5mm drill & 3.5mm screw, 5"
KM 47-974	1	INSERT DRILL SLEEVE 3.5 / 2.7mm, 1½"
KM 47-953	1	SCREWDRIVER BIT 2.5mm, 4"
KM 47-955	1	SLEEVE FOR SCREWDRIVER KM 47-953, 2"
KM 47-936	1	DEPTH GAUGE small 6¼"
KM 48-412	2	INSTRUMENT TRAYS (with covers) Tray 1: size 9" x 5" x 1¼" Tray 2: size 9" x 5" x 1½"

**KM 73-001 BASIC SCREW SET** (two trays with cover)

Accommodates 6 each of 1.5mm through 4.0mm screws as long as they are made according to ISO Standards (not included with trays).

Includes KM 47-930 Screw Holding Forceps.

Tray 1: size 9" x 5" x 1½"

Tray 2: size 9" x 5" x 2½"

Combined size of all 4 trays: 9" x 5" x 7"

*Not part of this set, but also available from KMedic*

**KM 48-414 MINI FIXATION SET**

for 1.5mm and 2.0mm screws

KM#	Qty	Description
KM 48-051	1	DRILL BIT 1.1mm, 2½"
KM 48-052	1	DRILL BIT 1.5mm, 3½"
KM 48-054	1	DRILL BIT 2.0mm, 4½"
KM 47-920	1	MINI COUNTERSINK 1.1mm, 2¼"
KM 48-106	1	TAP 1.5mm, 2"
KM 48-108	1	TAP 2.0mm, 2¼"
KM 47-902	1	MINI QUICK COUPLING HANDLE, 4¼"
KM 47-968	1	MINI DRILL SLEEVE for 1.1 & 1.5mm drill bits
KM 47-950	1	SCREWDRIVER BIT 1.5mm, 2¼"
KM 47-934	1	MINI DEPTH GAUGE, 4¼"

To house the KMedic Mini Fixation Set, we recommend Container KM 46-544 and Silicone Mat KM 98-125 (see page 104 for details)

**INSTRUMENTS FOR MINI FRAGMENT FIXATION**  
1.5MM, 2.0MM AND 2.7MM SCREWS

KM #	Qty.	Description
KM 45-208	1	SCREWHOLDING FORCEPS 3 <sup>1</sup> / <sub>2</sub> "
KM 46-206	1	PERIOSTEAL ELEVATOR, 3MM WIDTH
KM 46-623	1	WIRE CUTTER 7" ANGLED MAX CAP 1.6MM
KM 46-830	1	MINI HOHMANN RETRACTOR 6 <sup>1</sup> / <sub>2</sub> " 6MM
KM 46-832	1	MINI HOHMANN RETRACTOR 6 <sup>1</sup> / <sub>2</sub> " 8MM
KM 47-119	1	STAGBEETLE FORCEPS 120MM
KM 47-133	1	BONE REDUCTION FORCEPS WITH POINTS, 5" NARROW
KM 47-135	1	BONE REDUCTION FORCEPS WITH POINTS, 5 <sup>1</sup> / <sub>2</sub> " BROAD
KM 47-880	1	SHARP HOOK 6"
KM 47-902	1	HANDLE FOR MINI QC INSTRUMENTS 4 <sup>1</sup> / <sub>4</sub> "
KM 47-904	1	QUICK COUPLING HANDLE 4 <sup>1</sup> / <sub>2</sub> "
KM 47-915	1	BENDING IRON 5 <sup>1</sup> / <sub>2</sub> " 2.7MM + 3.5MM
KM 47-916	1	BENDING IRON FOR SMALL PLATES 5 <sup>1</sup> / <sub>2</sub> "
KM 47-917	1	PLATE BENDING IRON 4 <sup>3</sup> / <sub>4</sub> " 1.8MM
KM 47-920	1	COUNTERSINK MINI 1.1MM
KM 47-922	1	COUNTERSINK SMALL 2.0MM 7CM
KM 47-931	2	BENDING PLIERS FOR 1.5MM AND 2.0MM PLATES
KM 47-932	1	PLATE CUTTING FORCEPS
KM 47-934	1	MINI DEPTH GAUGE 30MM
KM 47-936	1	SCREW DEPTH GAUGE 50MM
KM 47-950B	1	MINI HEX SCREWDRIVER BIT
KM 47-953	1	SCREWDRIVER BIT 2.5MM; 10CM QC
KM 47-955	1	SLEEVE FOR SCREWDRIVER 47-952 + 47-953
KM 47-959	1	SLEEVE ONLY FOR MINI HEX AND CRUCIFORM DRIVER SHAFTS
KM 47-966	1	2.0MM/1.5MM DOUBLE DRILL SLEEVE
KM 47-968	1	MINI DRILL SLEEVE 4 <sup>1</sup> / <sub>4</sub> "
KM 48-002	1	2.0MM/2.7MM DOUBLE DRILL SLEEVE
KM 48-051	2	DRILL BIT QC 1.1MM, 60/35MM
KM 48-052	2	DRILL BIT QC 1.5MM, 85/60MM
KM 48-054	2	DRILL BIT QC 2.0MM, 100/75MM
KM 48-058	2	DRILL BIT QC 2.7MM, 100/75MM
KM 48-106	2	TAP 1.5MM, 2"
KM 48-108	2	TAP 2.0MM, 2 <sup>1</sup> / <sub>4</sub> "
KM 48-110	2	TAP 2.7MM, 10CM QC
KM 48-242	1	NEEDLE NOSE PLIERS 5 <sup>1</sup> / <sub>2</sub> " DELICATE WITH GROOVE
KM 48-368	1	SCREWDRIVER 2.5MM HEX WITH NOTCH
<b>OPTIONAL</b>		
KM 45-004	1	MINI CRUCIFORM SCREWDRIVER BIT QC
KM 46-212	1	PERIOSTEAL ELEVATOR 7 <sup>1</sup> / <sub>4</sub> " 6MM CURVED
KM 46-827	1	HOHMANN RETRACTOR 6" 15MM BROAD TIP
KM 47-137	1	BONE REDUCTION FORCEPS POINTED 5 <sup>1</sup> / <sub>4</sub> "
KM 47-138	1	PLATE HOLDING FORCEPS 5 <sup>1</sup> / <sub>2</sub> "
KM 47-139	1	BONE COMPRESSION FORCEPS 5"
KM 48-370	1	GRATLOCH™ K-WIRE BENDER 7 <sup>1</sup> / <sub>2</sub> "

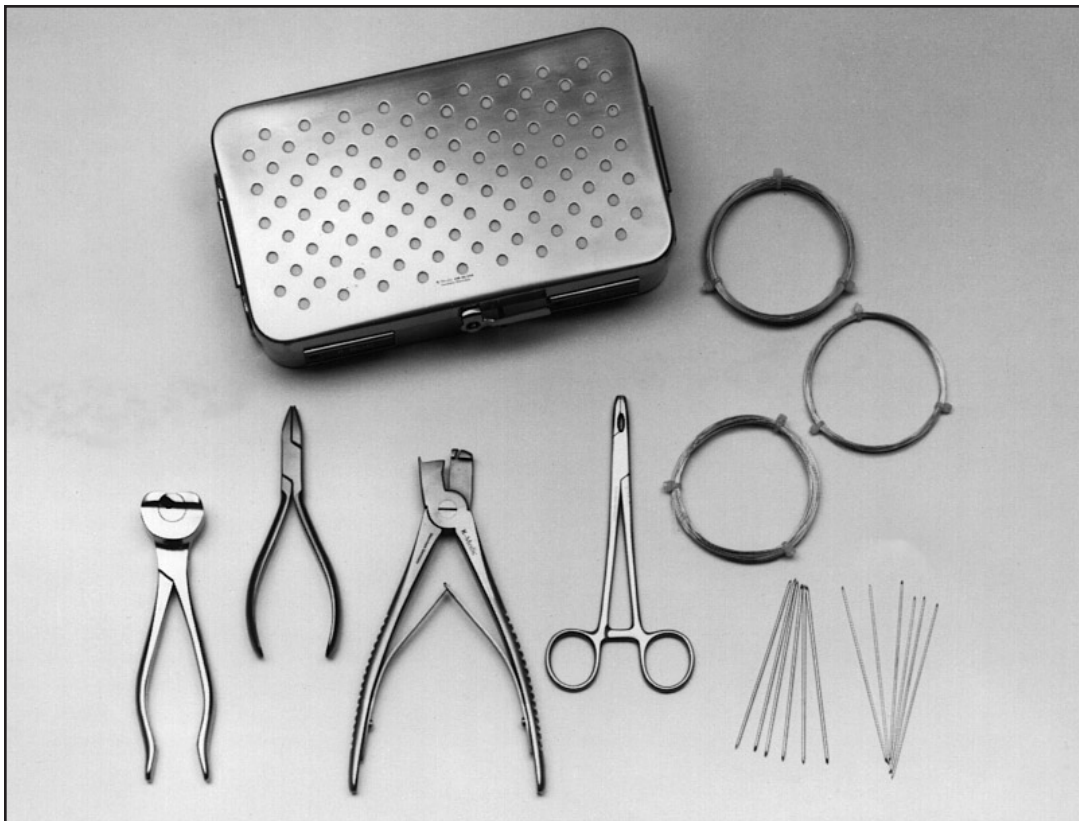
**SMALL FRAGMENT SET****INSTRUMENTS FOR SMALL FRAGMENT FIXATION  
3.5MM AND 4.0MM SCREWS**

KM #	Qty.	Description
KM 45-002	1	ADAPTOR (POWER) FOR QC INSTRUMENTS
KM 45-126	1	BENDING TEMPLATE 5 HOLE 3.5MM
KM 45-127	1	BENDING TEMPLATE 7 HOLE 3.5MM
KM 45-128	1	BENDING TEMPLATE 9 HOLE 3.5MM
KM 45-210	1	SCREWHOLDING FORCEPS 3 1/2"
KM 46-212	1	PERIOSTEAL ELEVATOR 7 1/4" STRAIGHT 6MM ROUND CURVED
KM 46-827	2	HOHMANN RETRACTOR 6" 15MM BROAD TIP
KM 46-832	2	MINI HOHMANN RETRACTOR 6 1/2" 8MM
KM 47-092	1	VERBRUGGE FORCEPS, SELF-CENTERING 7 1/2"
KM 47-128	1	BONE REDUCTION FORCEPS 6" SMALL CURVED
KM 47-133	1	BONE REDUCTION FORCEPS WITH POINTS, 5" NARROW
KM 47-135	1	BONE REDUCTION FORCEPS WITH POINTS, 5 1/2" BROAD
KM 47-880	1	SHARP HOOK 6"
KM 47-915	1	PLATE BENDING IRON 5 1/2" 2.7MM + 3.5MM
KM 47-916	1	BENDING IRON FOR SMALL PLATES 5 1/2"
KM 47-919	2	BENDING IRON FOR 3.5MM & 4.5MM RECON PLATES
KM 47-922	1	COUNTERSINK SMALL 2.0MM 7CM
KM 47-936	1	SCREW DEPTH GAUGE 50MM
KM 47-947	1	BENDING TEMPLATE 22 HOLE FOR 3.5MM RECON PLATE
KM 47-960	1	T-HANDLE QUICK COUPLING
KM 47-970	1	DRILL GUIDE FOR 2MM DRILL DE; 10.5MM
KM 47-972	1	TAP SLEEVE 2.5MM DRILL & 3.5MM SCREW
KM 47-974	1	INSERT DRILL SLEEVE 3.5/2.7MM SCREW
KM 47-978	1	DRILL GUIDE NEUTRAL & LOAD 2.5/3.5MM
KM 48-004	1	3.5MM UNIVERSAL DRILL GUIDE
KM 48-057	2	DRILL BILL QC 2.5MM, 110/85MM GOLD
KM 48-063	2	DRILL BIT QC 3.5MM, 110/85MM
KM 48-112	2	TAP 3.5MM; 12CM QC, FINE THREAD GOLD
KM 48-114	2	TAP 3.5MM; 11CM QC, 1.75MM PITCH
KM 48-242	1	NEEDLE NOSE PLIERS 5 1/2" DELICATE WITH GROOVE
KM 48-348	1	SCREWDRIVER SHAFT QC 2.5MM HEX WITH NOTCH
KM 48-365	1	SLEEVE ONLY FOR KM 48-348/48-364/48-368
KM 48-368	1	SCREWDRIVER 2.5MM HEX WITH NOTCH
KM 48-372	1	WIRE AND PIN BENDER 6" 3.2MM (1/8")

**OPTIONAL**

KM 45-129	1	BENDING TEMPLATE 12 HOLE 3.5MM
KM 46-624	1	WIRE CUTTER
KM 46-632	1	PIN CUTTER 10" SMALL
KM 46-830	1	MINI HOHMANN RETRACTOR 6 1/2" 6MM
KM 47-090	1	VERBRUGGE FORCEPS SELF CENTERING 6"
KM 47-137	1	BONE REDUCTION FORCEPS POINTED 5 1/4"
KM 47-904	1	QUICK COUPLING HANDLE 4 1/2"
KM 47-925	1	BENDING PLIERS FOR SMALL PLATES
KM 47-953	1	SCREWDRIVER BIT 2.5MM; 10CM QC
KM 47-955	1	SLEEVE FOR SCREWDRIVER 47-952 & 47-953
KM 48-370	1	GRATLOCH™ K-WIRE BENDER 7 1/2"





**MINI BONE WIRE SET** KM 48-400

This set is ideal for offices and surgi-centers. The compact sterilization case will fit all sizes of autoclaves.

Each set contains:

KM #	Qty.	Description
<b>INSTRUMENTS</b>		
KM 46-544	1	STERILIZING CONTAINER 9" x 5" x 2"
KM 46-651	1	DIAMOND PIN CUTTER 6¼"
KM 48-245	1	NEEDLE NOSE PLIERS 5½"
KM 48-370	1	GRATLOCH™ WIRE BENDER 7½"
KM 69-846	1	WIRE TWISTER AND TIGHTENER 6¼"

**K-WIRE** one package (6 wires) of each

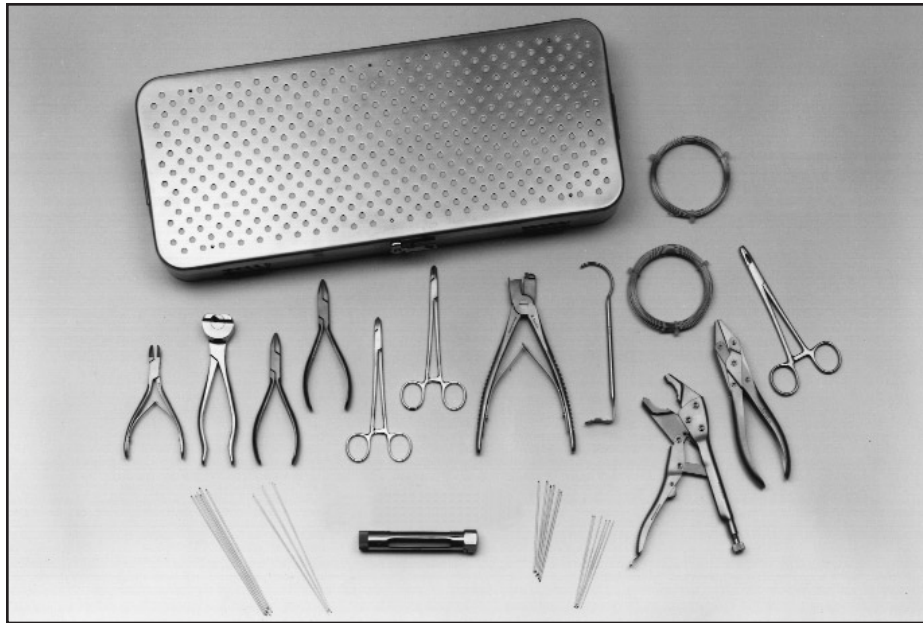
KM 71-100	1	DOUBLE TROCAR 4" .028" (0.7mm) diameter
KM 71-101	1	DOUBLE TROCAR 4" .035" (0.9mm) diameter
KM 71-102	1	DOUBLE TROCAR 4" .045" (1.1mm) diameter
KM 71-103	1	DOUBLE TROCAR 4" .062" (1.6mm) diameter

**CERCLAGE WIRE** 10 meters in length

KM 72-104	1	0.4mm diameter
KM 72-106	1	0.6mm diameter
KM 72-108	1	0.8mm diameter

**OPTIONAL**

KM 46-540	1	VICKERS EASIDRIVER™
KM 46-542	1	VICKERS K-WIRE DISPENSER™



**SMALL BONE WIRE SET** KM 48-402

This set is useful for foot and ankle and hand surgery and all other small bone work.

Each set contains:

KM #	Qty.	Description
<b>INSTRUMENTS</b>		
KM 46-547	1	STERILIZING CASE 20"×8"×2"
KM 46-542	1	VICKERS K-WIRE DISPENSER™ 4"
KM 46-622	1	DELICATE WIRE CUTTER 4¾"
KM 46-651	1	DIAMOND PIN CUTTER 6¼"
KM 48-245	2	NEEDLE NOSE PLIERS 5½"
KM 48-320	2	WIRE TWISTING FORCEPS 6"
KM 48-370	1	GRATLOCH™ WIRE BENDER 7½"
KM 48-386	1	WIRE PASSER (CANNULATED) 7"
KM 48-602	1	LOCKING PLIERS 8"
KM 48-604	1	PARALLEL PLIERS 7"
KM 69-846	1	WIRE TWISTER AND TIGHTENER 6¼"

**K-WIRE** one package (6 wires) of each

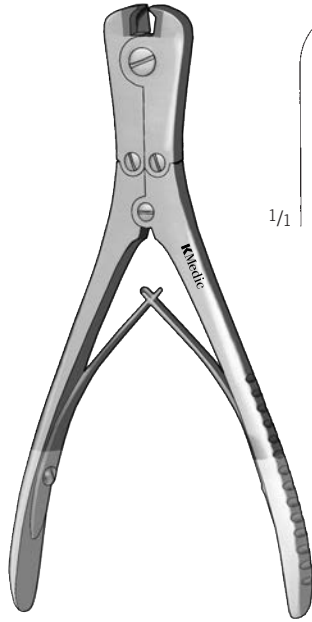
KM 71-100	1	DOUBLE TROCAR 4" .028" (0.7mm) diameter
KM 71-101	1	DOUBLE TROCAR 4" .035" (0.9mm) diameter
KM 71-102	1	DOUBLE TROCAR 4" .045" (1.1mm) diameter
KM 71-103	1	DOUBLE TROCAR 4" .062" (1.6mm) diameter
KM 71-021	1	DOUBLE TROCAR 6" .028" (0.7mm) diameter
KM 71-022	1	DOUBLE TROCAR 6" .035" (0.9mm) diameter
KM 71-023	1	DOUBLE TROCAR 6" .045" (1.1mm) diameter
KM 71-025	1	DOUBLE TROCAR 6" .062" (1.6mm) diameter

**CERCLAGE WIRE** 10 meters in length

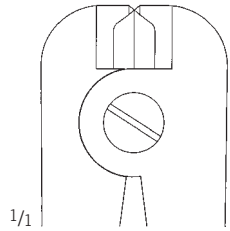
KM 72-110	1	1.0mm diameter
KM 72-112	1	1.2mm diameter

**OPTIONAL**

KM 46-540 VICKERS EASIDRIVER™  
 KM 71-001, 71-002, 71-003, 71-004, 71-006 K-WIRE DISPENSERS



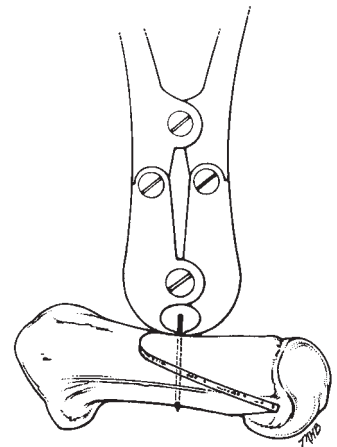
**P.I. FLUSH WIRE CUTTER**  
 KM 46-631  
 7" front and side cutting  
 with carbide inserts  
 cuts up to .062" (1.6mm)



Our P.I. Flush Cutter cuts K-Wire flush to the bone like no other wire cutter. Double action for ease, comfort and power with tungsten carbide jaws for long life and sharpness.

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.
- Cut wire in the middle of the jaw not on the edge or in the corner.
- Make a first cut leaving a piece about 1/4" long. Now you can position the cutter for its second and flattest cut.
- When cutting, do not twist and turn the cutter. Just press the handles together.

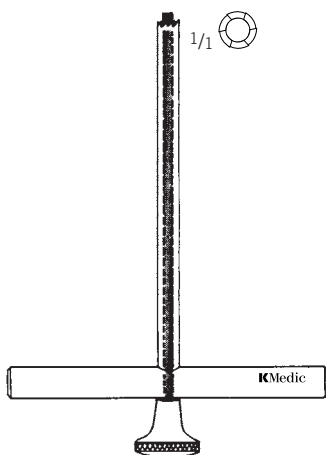


*Drawing shows the P.I. Wire Cutter cutting flush to the bone. It is both front and side cutting.*



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 The Podiatry Institute®

*When removing K-Wire, use the P.I. Plug Cutter to extract a tiny cylinder of bone around the tip of the wire.*



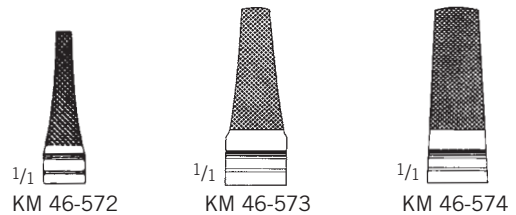
**P.I. PLUG CUTTER**  
 KM 48-252  
 4 1/2" with obturator  
 3mm inside diameter  
 5mm outside diameter



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**DOUBLE ACTION WIRE EXTRACTION PLIERS**  
 KM 46-572      KM 46-573      KM 46-574  
 7", 2mm jaw      7", 4mm jaw      7", 6mm jaw  
 carbide              carbide              carbide



*The wire can then be easily grasped with our Extraction Pliers. Long lasting tungsten carbide jaws and double action for grasping power.*

**FOREFOOT SET****INSTRUMENTS FOR FOREFOOT SET**

KM #	Qty.	Description
KM 29-058	3	SCALPEL HANDLE #3
KM 33-324	1	OPERATING SCISSORS 5½" BLUNT/BLUNT
KM 34-258	1	MAYO SCISSORS 5½" CURVED
KM 34-462	1	METZENBAUM SCISSORS 6" CURVED
KM 35-198	1	WIRE CUTTING SCISSORS 4¾"
KM 36-156	4	MOSQUITO FORCEPS 5" STRAIGHT
KM 36-158	8	MOSQUITO FORCEPS 5" CURVED
KM 36-166	1	KELLY FORCEPS 5½" STRAIGHT
KM 36-168	1	KELLY FORCEPS 5½" CURVED
KM 36-176	1	CRILE FORCEPS 5½" STRAIGHT
KM 36-178	1	CRILE FORCEPS 5½" CURVED
KM 36-406	1	KOCHER FORCEPS 5½" 1X2 TEETH
KM 37-366	1	FOERSTER FORCEPS 7"
KM 37-462	4	BACKHAUS TOWEL FORCEPS 5¼"
KM 39-060	1	ADSON FORCEPS 4¾" SERRATED
KM 39-063	1	ADSON FORCEPS 4¾" 1X2 TEETH
KM 39-092	2	ADSON BROWN FORCEPS 4¾" 9X9 TEETH
KM 39-682	1	BRUSH FOR INSTRUMENT CLEANING
KM 39-698	1	RULER 12"
KM 41-170	1	CRILE-WOOD NEEDLE HOLDER 6"
KM 41-278	1	MAYO HEGAR NEEDLE HOLDER 7"
KM 43-112	2	ALLIS TISSUE FORCEPS 6" 4X5 TEETH
KM 46-258	1	KEY ELEVATOR 7", ¼" WIDTH
KM 46-262	1	KEY ELEVATOR 7½", ½" WIDTH
KM 46-540	1	VICKERS EASIDRIVER 5½"
KM 46-542	1	VICKERS K-WIRE DISPENSER
KM 46-572	1	WIRE EXTRACTION PLIERS 7" CARBIDE
KM 46-631	1	FLUSH WIRE CUTTER 7" CARBIDE
KM 46-660	1	LUCAE BONE MALLET 8"
KM 46-832	2	MINI HOHMANN RETRACTOR 6½" 8MM WIDTH
KM 47-266	1	BLUMENTHAL RONGEUR 6"
KM 47-520	1	BEYER RONGEUR 7"
KM 47-555	1	KLEINERT-KUTZ FORCEPS 6"
KM 48-252	1	PLUG CUTTER 4½"
KM 52-088	2	SENN RETRACTOR 6¼" 3 SHARP PRONGS
KM 52-094	2	RAGNELL RETRACTOR 5¾"
KM 52-417	1	SELF-RETAINING RETRACTOR 4" SHARP
KM 52-492	1	WEITLANER RETRACTOR 4" SHARP
KM 57-614	1	FREER ELEVATOR 7½"
KM 58-068	1	JOSEPH RASP 6¼"
KM 58-076	1	SAYRE ELEVATOR 6½"
KM 58-088	2	JOSEPH HOOK 6¼" 1 SHARP PRONG
KM 58-092	2	JOSEPH HOOK 6¼" 2 SHARP PRONGS
KM 58-240	2	MALTZ-SEEBURGER RETRACTOR 4½"
KM 69-538	1	NAIL RASP #93
KM 69-544	1	BONE FILE #12A
KM 69-547	1	BONE RASP 8½"
KM 69-787	1	LOCKE PHALANGEAL FORCEPS 6"
KM 69-940	1	BEVELED OSTEOTOME 7" STRAIGHT 10MM WIDTH
KM 69-946	1	BEVELED OSTEOTOME 7" STRAIGHT 20MM WIDTH
KM 69-950	1	BEVELED OSTEOTOME 7" STRAIGHT 25MM WIDTH
KM 69-970	1	BEVELED OSTEOTOME 7" CURVED 5MM WIDTH
KM 69-975	1	BEVELED OSTEOTOME 7" CURVED 10MM WIDTH

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KM 52-198	24	KM 58-240	29	KM 69-549	50	KM 71-101	67
KM 52-202	24	KM 69-106	11	KM 69-557	20	KM 71-102	67
KM 52-204	24	KM 69-258	5	KM 69-560	20	KM 71-103	67
KM 52-206	24	KM 69-276	2	KM 69-562	20	KM 71-104	67
KM 52-208	24	KM 69-278	2	KM 69-568	20	KM 71-105	67
KM 52-212	24	KM 69-290	2	KM 69-579	20	KM 71-106	67
KM 52-214	24	KM 69-291	2	KM 69-590	20	KM 71-107	67
KM 52-216	24	KM 69-292	2	KM 69-595	21	KM 71-108	67
KM 52-414	28	KM 69-293	2	KM 69-618	21	KM 71-109	67
KM 52-416	28	KM 69-294	2	KM 69-620	21	KM 71-110	67
KM 52-417	28	KM 69-295	2	KM 69-622	21	KM 71-111	67

<b>KM #</b>	<b>PAGE</b>	<b>KM #</b>	<b>PAGE</b>	<b>KM #</b>	<b>PAGE</b>	<b>KM #</b>	<b>PAGE</b>
KM 71-112	67	KM 71-175	67	KM 71-290	68	KM 71-770	68
KM 71-113	67	KM 71-200	67	KM 71-291	68	KM 71-880	68
KM 71-114	67	KM 71-201	67	KM 71-293	68	KM 72-102	68
KM 71-121	67	KM 71-202	67	KM 71-301	68	KM 72-103	68
KM 71-122	67	KM 71-203	67	KM 71-302	68	KM 72-104	68
KM 71-123	67	KM 71-204	67	KM 71-303	68	KM 72-105	68
KM 71-130	67	KM 71-206	67	KM 71-304	68	KM 72-106	68
KM 71-131	67	KM 71-207	67	KM 71-307	68	KM 72-107	68
KM 71-132	67	KM 71-209	67	KM 71-310	68	KM 72-108	68
KM 71-133	67	KM 71-211	67	KM 71-312	68	KM 72-109	68
KM 71-134	67	KM 71-212	67	KM 71-313	68	KM 72-110	68
KM 71-151	67	KM 71-213	67	KM 71-314	68	KM 72-112	68
KM 71-152	67	KM 71-214	67	KM 71-315	68	KM 72-115	68
KM 71-153	67	KM 71-230	67	KM 71-450	68	KM 73-001	88,107,108
KM 71-154	67	KM 71-241	67	KM 71-480	68	KM 98-112	104
KM 71-161	67	KM 71-242	67	KM 71-510	68	KM 98-116	104
KM 71-162	67	KM 71-243	67	KM 71-600	68	KM 98-120	104
KM 71-163	67	KM 71-251	67	KM 71-630	68	KM 98-125	104
KM 71-170	67	KM 71-252	67	KM 71-660	68	KM 98-150	103,104
KM 71-171	67	KM 71-253	67	KM 71-700	68	KM 98-160	103,104
KM 71-172	67	KM 71-262	67	KM 71-730	68		
KM 71-174	67	KM 71-263	67	KM 71-750	68		





## Ruler MM and Inches

### Conversions:

#### Inches to MM

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

#### MM to Inches

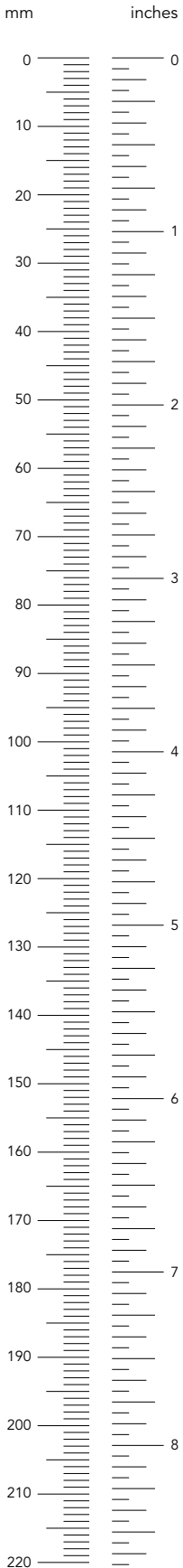
Multiply the millimeter dimension by .0394 or divide by 25.4 to obtain the size in inches.

#### 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.

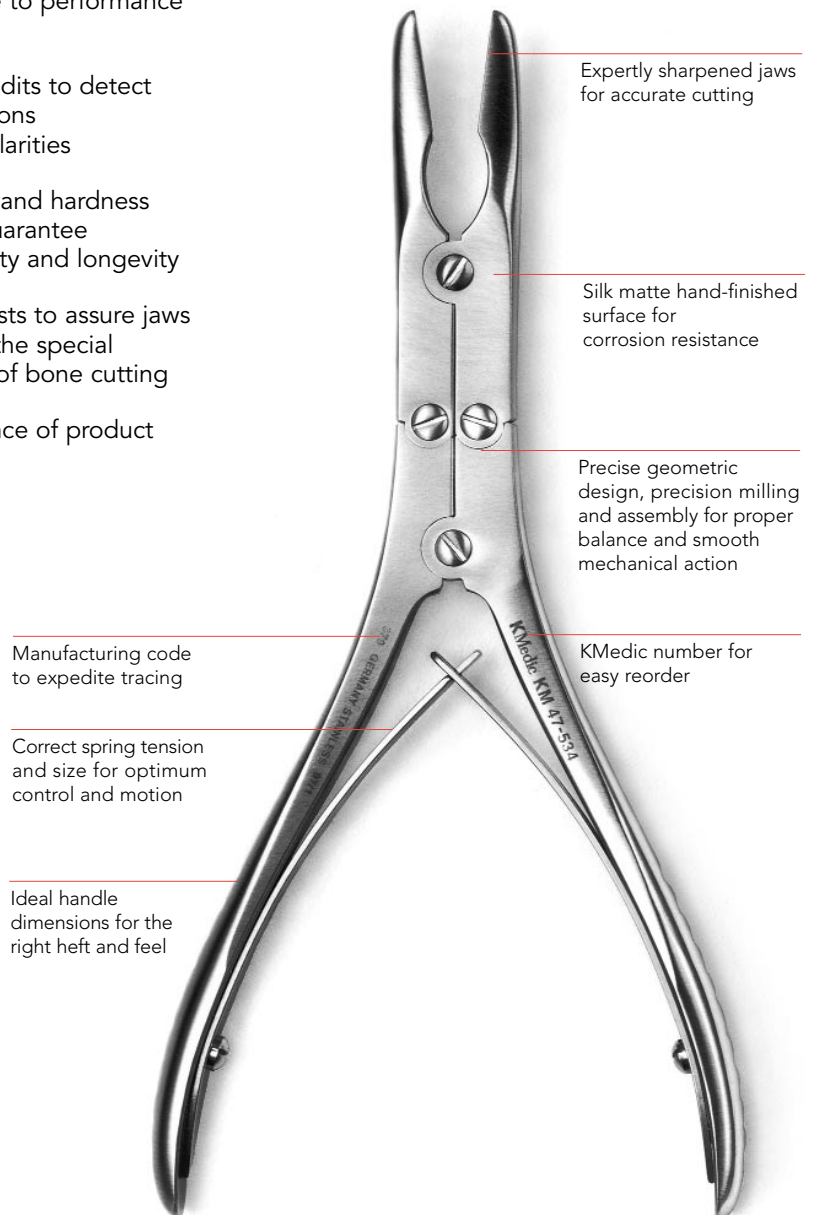
On the surface it's difficult to tell one instrument from another. But in fact, many qualities distinguish KMedic Certified Instruments from those of other manufacturers. Our instruments are the product of a working knowledge of the surgeon's art, exacting manufacturing specifications and strict adherence 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**®



**Orthopedic  
Surgical  
Instruments**

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