

Spinal Sourcebook

Instruments
for
Surgeons



KMedic®

KMedic

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

KMedic's Mission

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

KMedic and the Orthopedic Community

While our focus is on supplying the finest surgical instruments, we also see ourselves as part of the larger orthopedic community. Toward that end, we collaborate with surgeons to develop innovative instrumentation and applications. In addition, to promote further knowledge in our field, we support the Orthopaedic Research and Education Foundation (OREF). As a proud member of OREF's Corporate Associate Program — at the Contributing Rank — we actively support its research and educational programs. Through our involvement with OREF, as well as other professional organizations such as NASS, AORN, NAON, and NAOT, we're helping to advance the interests of the Orthopedic Community.



naon



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

The KMedic Spinal Sourcebook™ offers surgeons more than 900 patterns of the most popular and essential instruments for spinal procedures. This Sourcebook is the only place you'll find the revolutionary CleanPunch™—the first Kerrison that easily disassembles and reassembles to ensure both a clean and a smooth cutting action. The CleanPunch represents KMedic's commitment to provide innovative instrument solutions to the spinal community.

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 $\frac{1}{1}$ are approximately the actual size. Those marked $\frac{1}{2}$ are approximately one half the actual size.

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Ordering Information

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

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

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

Customer Service and Relations

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

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

Instrument Maintenance and Repair Program

The KMedic 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.

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

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

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

Instrument Longevity Through Proper Care

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

Maintaining the Surface

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

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

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

New Instruments

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

Correct Use

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

Water and Stainless Steel

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

Manual Cleaning and Soaking

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

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

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

Ultrasonic Cleaning

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

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

Instrument Checkup

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

Function:

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

Surface:

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

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

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 Distributor.

KMedic: In the Tradition of the Masters

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

An Extension of the Hand

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

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

Evolving Tradition

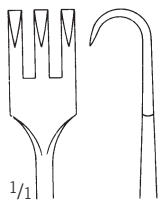
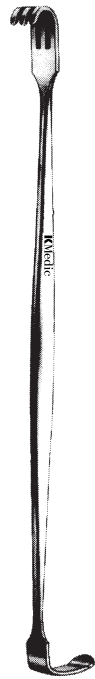
As we're all aware, new surgical techniques create a continual need for improvements, as well as for the introduction of entirely new instruments. KMedic responds to these needs by forming partnerships with leading surgeons.

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

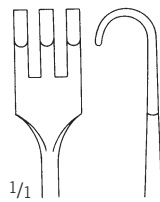


Helmut Kapczynski
President & CEO
KMedic, Inc.

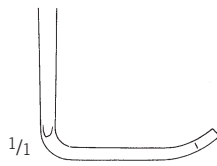
KMedic®



KM 52-088

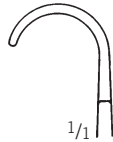


KM 52-090



SENN RETRACTOR 6 1/2"
 KM 52-088
 3 sharp prongs
 double ended
 9mm width x 7mm depth prongs
 and 7mm width x 18mm depth blade

KM 52-090
 3 blunt prongs
 double ended
 9mm width x 7mm depth prongs
 and 7mm width x 18mm depth blade



LITTLE RETRACTOR
 KM 51-520
 7 3/4"
 13mm width x 15mm depth blade



BLADE RETRACTOR 7 1/2"
 KM 55-420 18mm width x 76mm depth blade
 KM 55-421 20mm width x 76mm depth blade
 KM 55-422 23mm width x 76mm depth blade

RETRACTORS

LOVE NERVE RETRACTOR 8½"
 7mm width x 5mm depth
 KM 51-530 straight blade
 KM 51-532 blade angled 45 degrees
 KM 51-534 blade angled 90 degrees

SCOVILLE NERVE ROOT RETRACTOR 9¼"
 angled
 KM 55-426 8mm blade
 KM 55-428 13mm blade

Primarily used to retract the nerve root. Blunt hook.

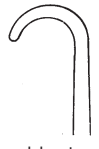
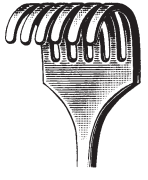
HOLSHER NERVE RETRACTOR 9½"
 KM 48-234 7mm blade
 KM 48-237 9mm blade

Retractor blade lies on same plane as surgeon's finger. Gives surgeon unobstructed view.

NERVE ROOT RETRACTOR OFFSET
 KM 55-424
 9"
 6mm blade



sharp



blunt

sharp

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

blunt

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

VOLKMAN RETRACTOR 8½" with ring handle



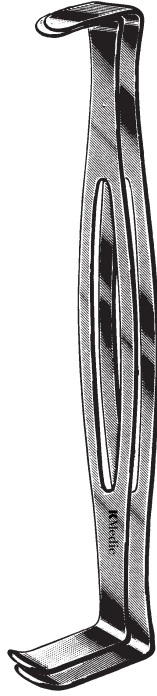
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CUSHING VEIN RETRACTOR
KM 51-521
9" with fenestrated handle
12mm width x 10mm depth blade

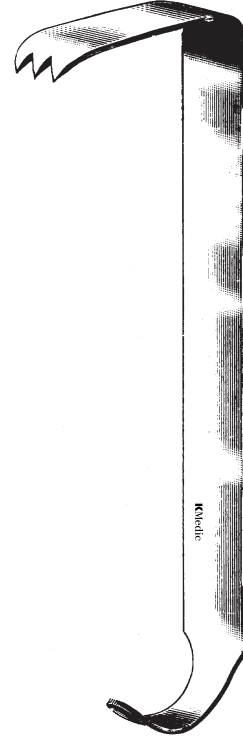


CUSHING DECOMPRESSION RETRACTOR
KM 55-304
8¾" with fenestrated blade and handle
13mm width x 22mm depth blade

RETRACTORS



U.S. ARMY RETRACTOR
 KM 51-372
 8½" 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



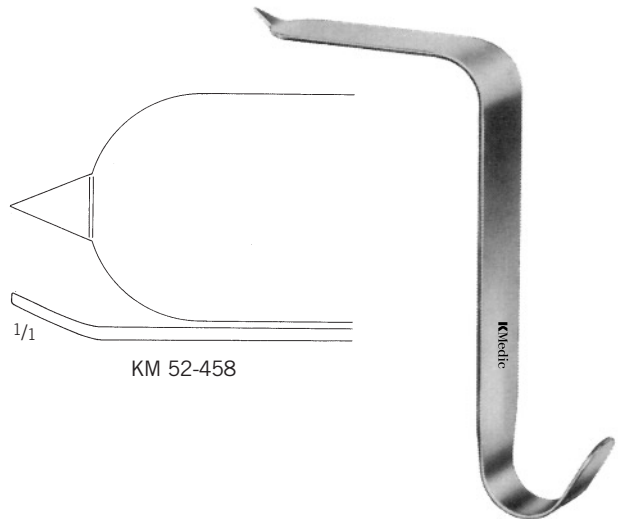
Used for deep soft tissue retraction

HIBBS RETRACTOR 9½"
 sharp teeth
 KM 51-059 25mm width x 50mm depth
 KM 51-060 26mm width x 75mm depth
 KM 51-061 25mm width x 100mm depth

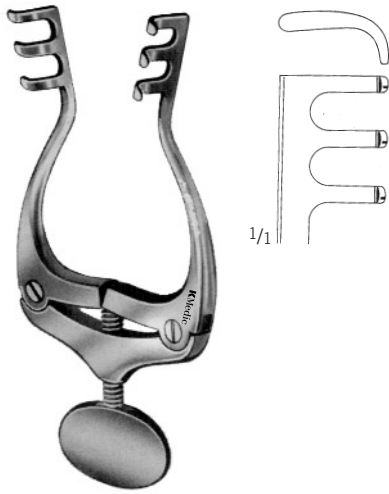


	blade width	
KM 51-158 9" small	17mm	55mm
KM 51-162 9" medium	25mm	70mm
KM 51-164 10" large	50mm	94mm

MEYERDING LAMINECTOMY RETRACTOR sharp teeth

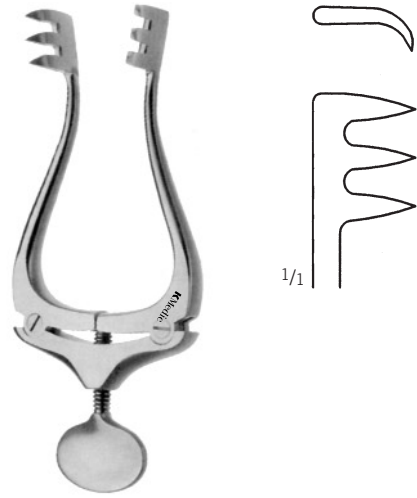


TAYLOR SPINAL RETRACTOR
 KM 52-458 7¼" 1¼" width x 3" length blade
 KM 52-460 8" 1¼" width x 4" length blade



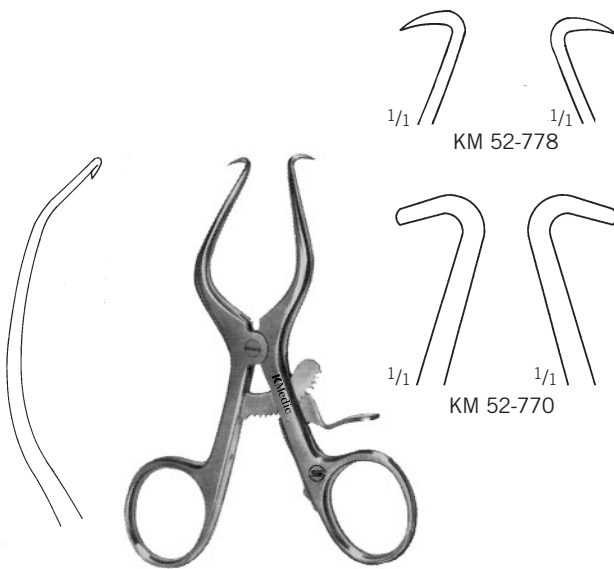
JANSEN RETRACTOR

KM 52-422
4"
3x3 blunt prongs



SNITMAN ENDAURAL RETRACTOR

KM 55-497
4 1/4"
3x3 sharp prongs
10mm depth x 14mm height



GELPI RETRACTOR

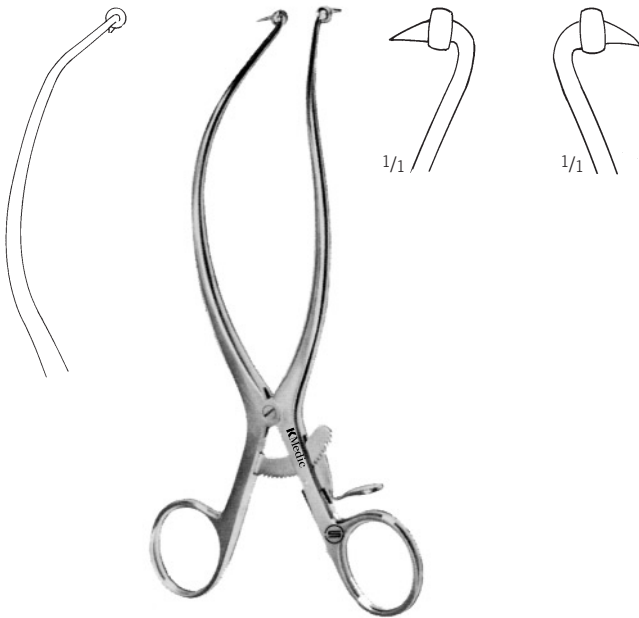
<i>sharp points</i>	<i>blunt points</i>
KM 52-776 3 1/2"	KM 52-770 7 1/2"
KM 52-778 4 1/2"	
KM 52-780 5 1/2"	
KM 52-768 7 1/2"	



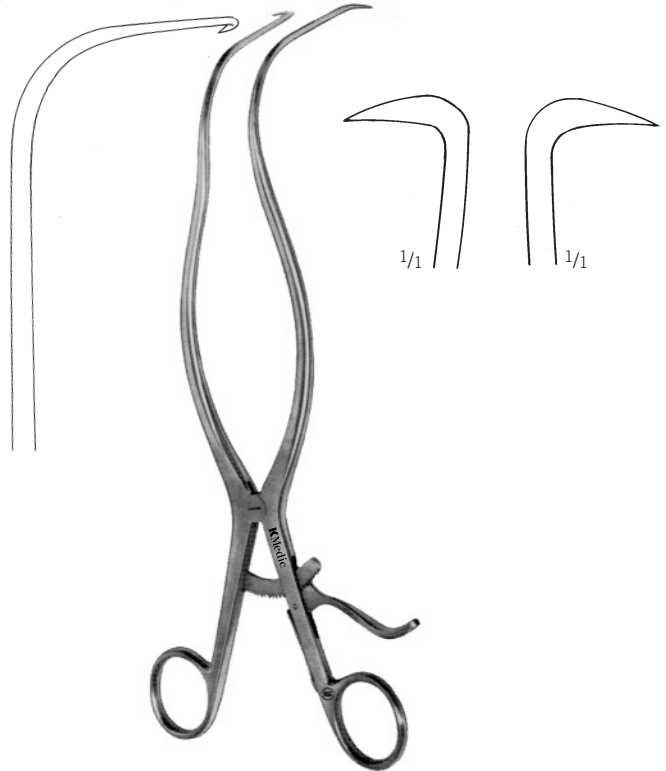
GELPI-SELETZ RETRACTOR

KM 52-765
6 1/2"
sharp points
deep blades

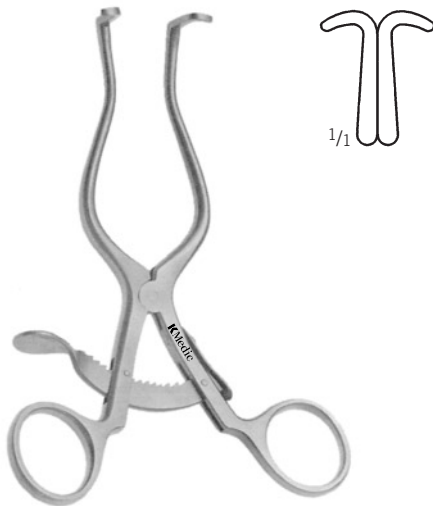
SELF-RETAINING RETRACTORS



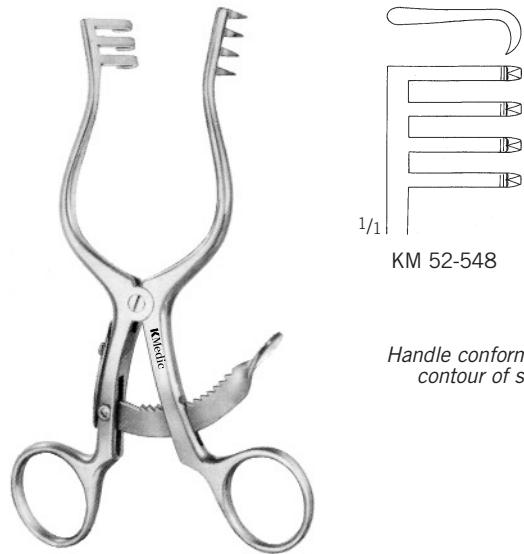
GELPI RETRACTOR
 KM 52-769
 7" with ball stops
 sharp points



WILTSE-GELPI RETRACTOR
 KM 52-771
 11"
 deep blades
 sharp points



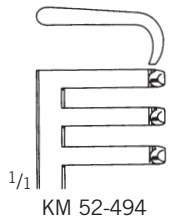
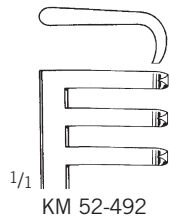
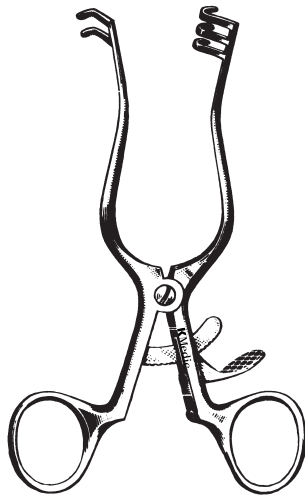
TISSUE RETRACTOR
 KM 55-438
 5 1/4"
 1x1 blunt prongs
 13mm depth



SCALP CONTOUR RETRACTOR
 KM 52-548
 5 1/2"
 3x4 sharp prongs
 15mm depth x
 20mm height

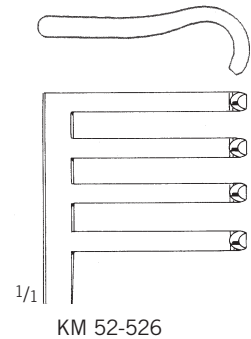
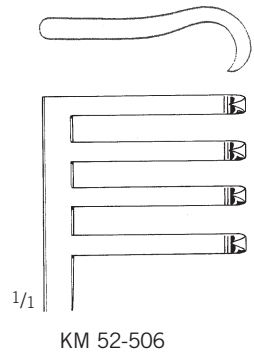
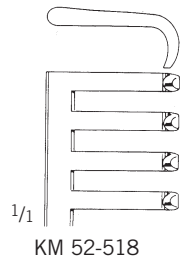
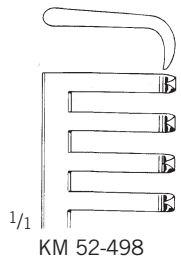
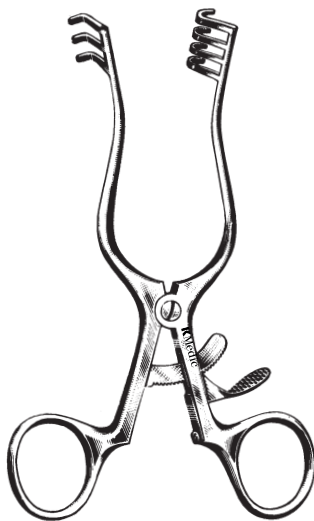
KM 52-546
 5 1/2"
 3x4 blunt prongs
 15mm depth x
 20mm height

*Handle conforms to
 contour of skull.*



WEITLANER RETRACTOR

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

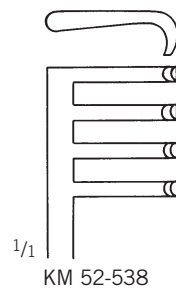
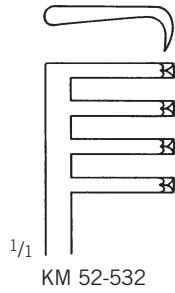
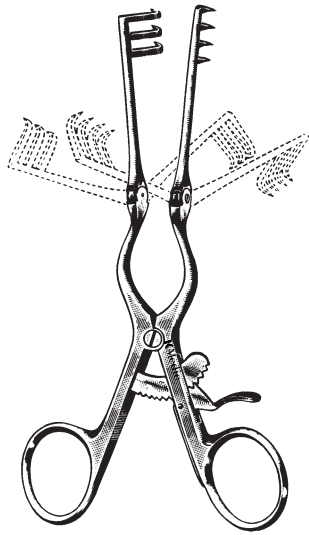


sharp
 3x4 prongs
 KM 52-498 5½" 14mm depth x 18mm height
 KM 52-502 6½" 15mm depth x 20mm height
 KM 52-504 8" 16mm depth x 20mm height
 KM 52-506 9½" 23mm depth x 21mm height

blunt
 3x4 prongs
 KM 52-518 5½" 14mm depth x 18mm height
 KM 52-522 6½" 15mm depth x 20mm height
 KM 52-524 8" 16mm depth x 20mm height
 KM 52-526 9½" 23mm depth x 21mm height

WEITLANER RETRACTOR

SELF-RETAINING RETRACTORS



BECKMAN-WEITLANER RETRACTOR hinged blades

3x4 sharp prongs

KM 52-530 5½" 15mm depth x 20mm height
 KM 52-532 6½" 15mm depth x 20mm height
 KM 52-534 8½" 17mm depth x 22mm height
 KM 52-542 9½" 24mm depth x 22mm height

3x4 blunt prongs

KM 52-536 5½" 15mm depth x 20mm height
 KM 52-538 6½" 15mm depth x 20mm height
 KM 52-540 8½" 17mm depth x 22mm height
 KM 52-544 9½" 24mm depth x 22mm height



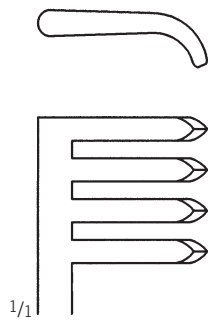
ADSON RETRACTOR

KM 52-442
 7½" straight
 4x4 sharp prongs
 18mm depth x 18mm height



ADSON RETRACTOR

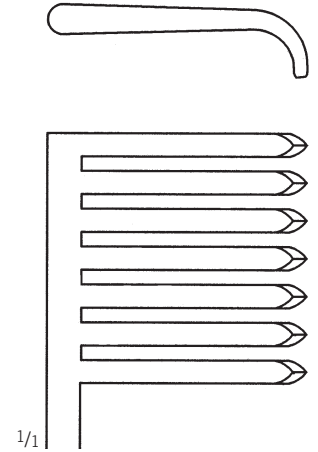
KM 52-444
 7½" angled
 4x4 sharp prongs
 18mm depth x 18mm height



Angular prongs are heavier than those on a standard Adson.

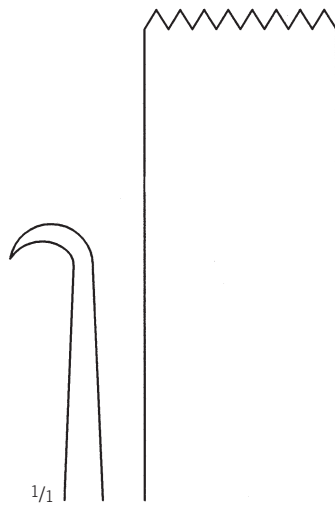
D'ERRICO-ADSON RETRACTOR

KM 55-498
7 3/8"
4x4 sharp prongs
22mm depth x 19mm height



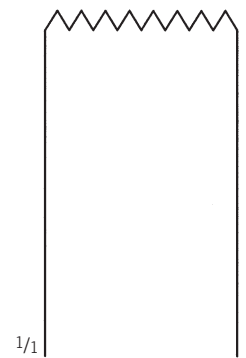
MISKIMON CEREBELLUM RETRACTOR

KM 55-499
7 1/2"
7x7 sharp prongs
35mm depth x 32mm height



MARKHAM-MEYERDING HEMILAMINECTOMY RETRACTOR 7"

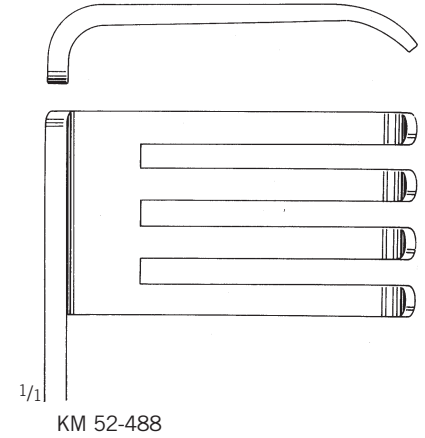
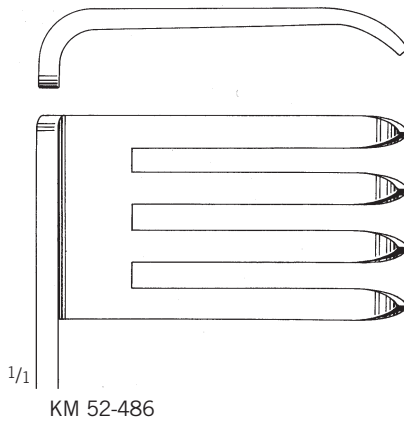
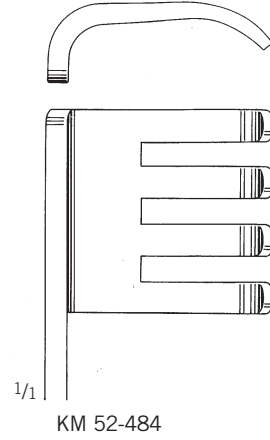
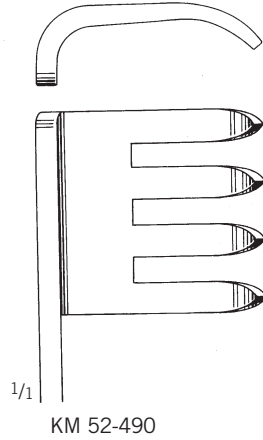
KM 55-440	KM 55-441
Left sharp blade	Right sharp blade (pictured)
60mm depth x 25mm height	60mm depth x 25mm height



MEYERDING LAMINECTOMY RETRACTOR 6 1/2"

sharp blades	KM 55-431	KM 55-432
KM 55-430	51mm depth	41mm depth
57mm depth x 25mm height	x 25mm height	x 25mm height

SELF-RETAINING RETRACTORS



sharp
4x4 prongs
KM 52-490 25mm depth x 25mm height
KM 52-486 44mm depth x 25mm height
maximum opening: 5¹¹/₁₆"

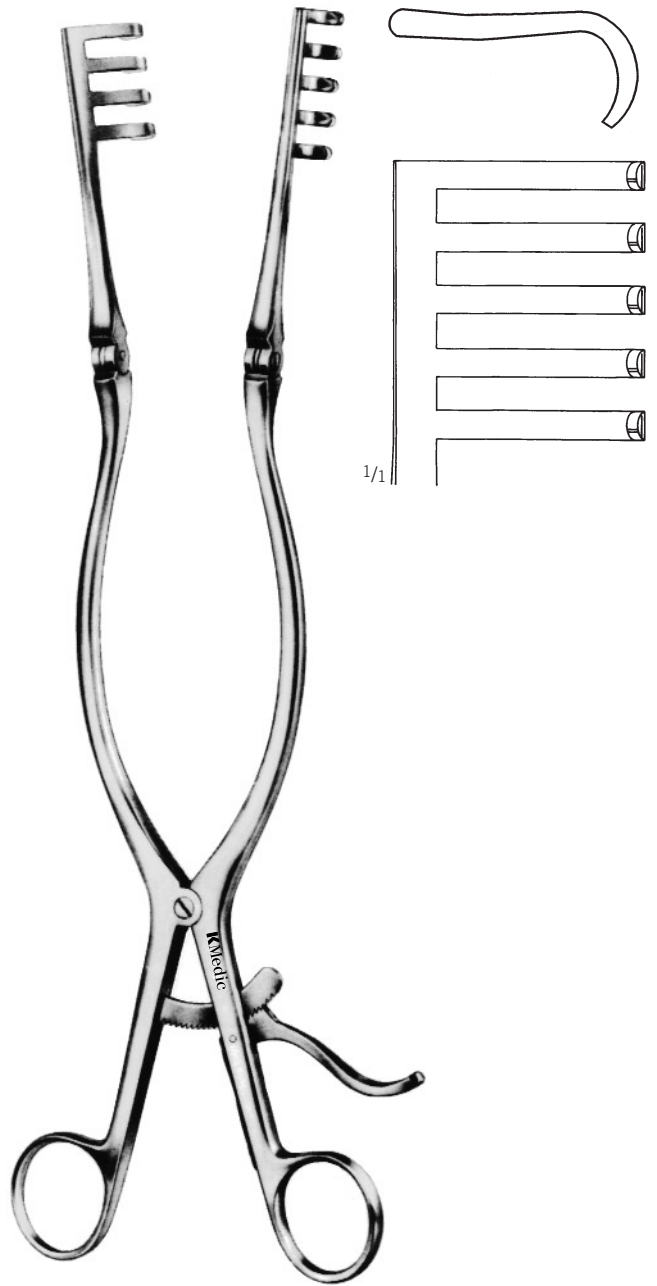
blunt
4x4 prongs
KM 52-484 25mm depth x 25mm height
KM 52-488 44mm depth x 25mm height
maximum opening: 6"

BECKMAN-ADSON LAMINECTOMY RETRACTOR 12³/₄" with hinged blades

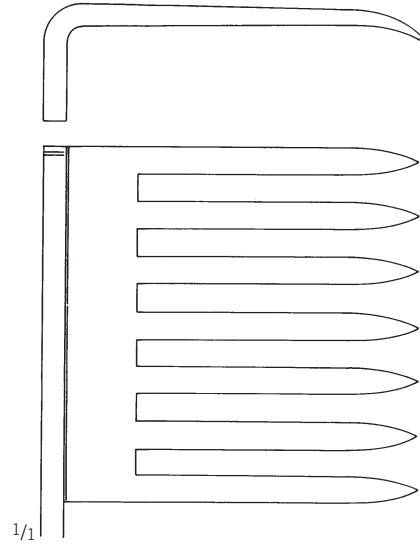


BECKMAN RETRACTOR
 KM 52-470
 12¼" with hinged blades
 4x4 sharp prongs
 17mm depth x 27mm height
 maximum opening: 6⁷/₁₆"

KM 52-472
 12¼" with hinged blades
 4x4 blunt prongs
 17mm depth x 27mm height
 maximum opening: 6⁷/₁₆"

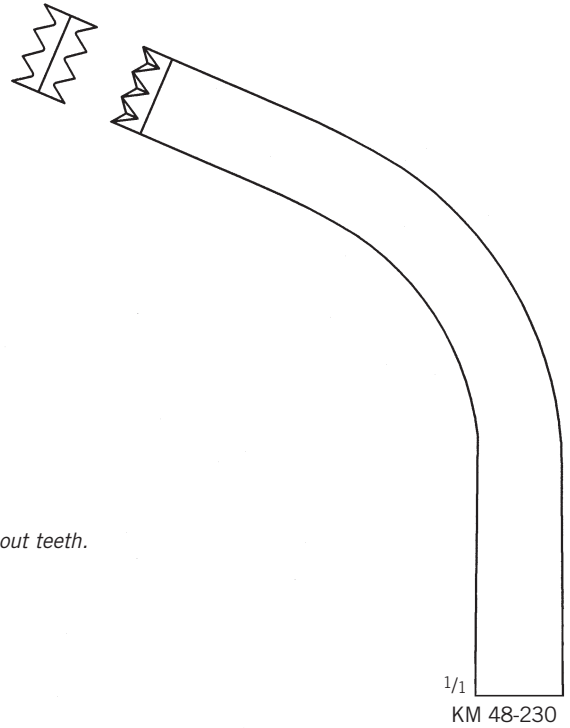
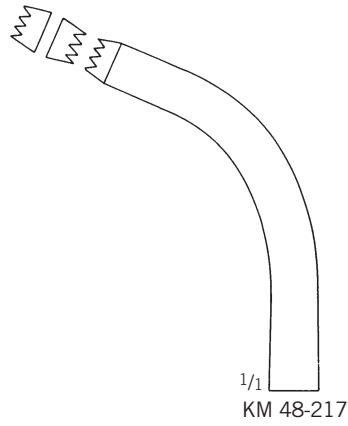


ADSON RETRACTOR
 KM 52-474
 12½" with hinged blades
 4x5 blunt prongs
 25mm depth x 37mm height
 maximum opening: 6¹⁵/₁₆"



BECKMAN-EATON RETRACTOR

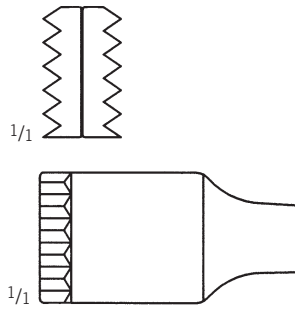
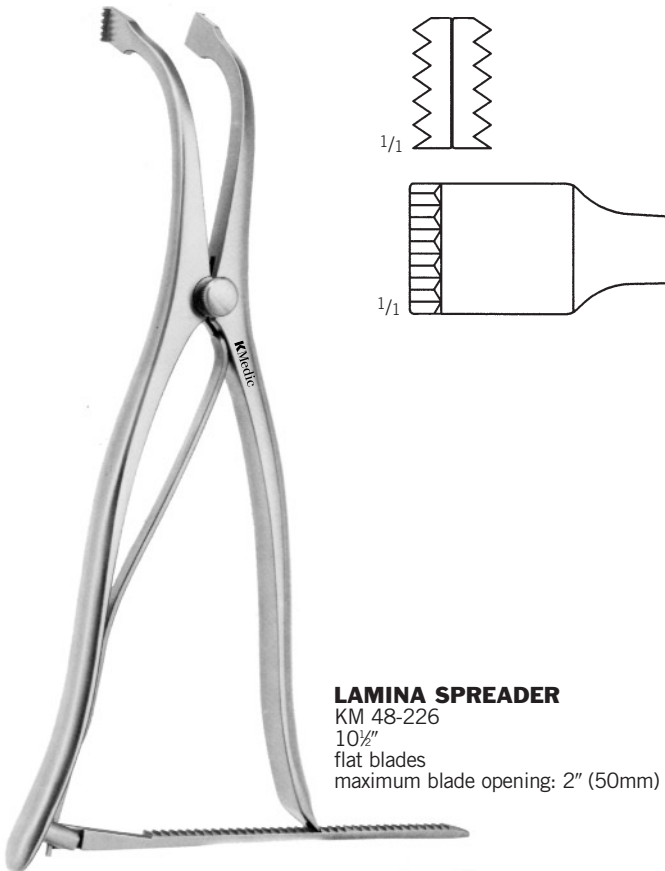
KM 52-476
12 1/2"
hinged blades
7x7 sharp prongs
45mm depth x 45mm height
maximum opening: 6 3/16"



Available with or without teeth.

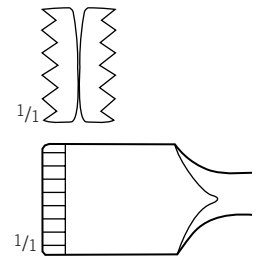
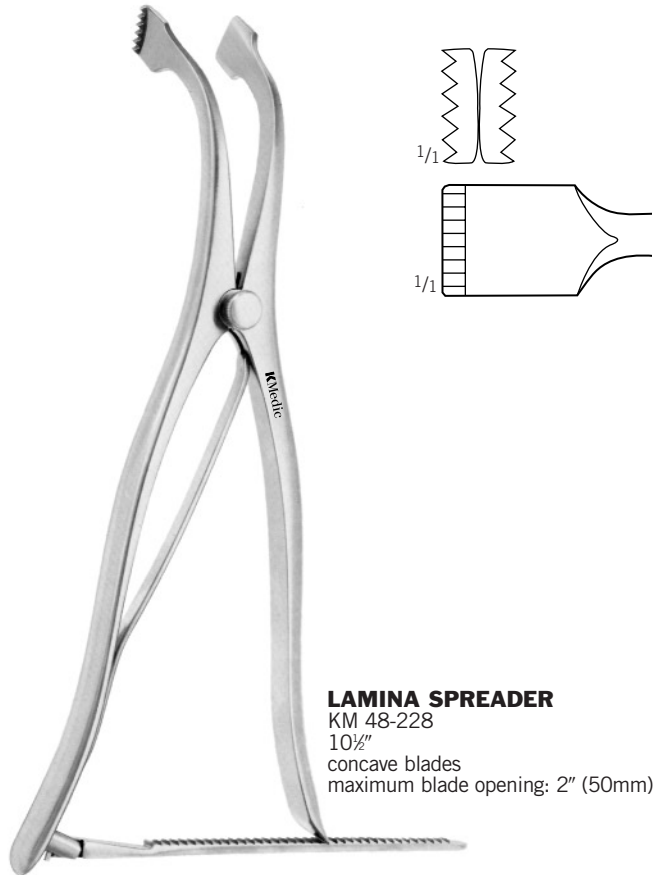
INGE RETRACTOR

KM 48-217 KM 48-230
6 1/2" with teeth 9 1/2" with teeth
KM 48-218
6 1/2" without teeth



LAMINA SPREADER

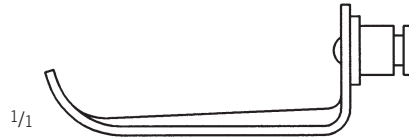
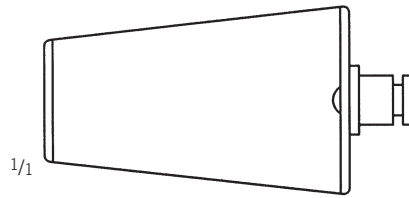
KM 48-226
10 1/2"
flat blades
maximum blade opening: 2" (50mm)



LAMINA SPREADER

KM 48-228
10 1/2"
concave blades
maximum blade opening: 2" (50mm)

SELF-RETAINING RETRACTORS



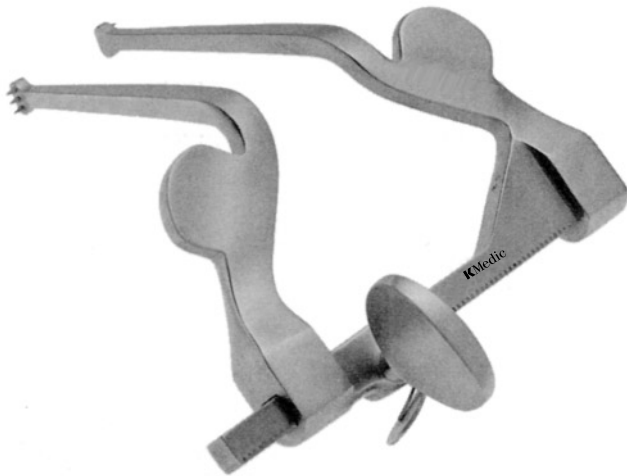
KM 55-485

CERVICAL RETRACTOR SET

KM 55-480
7 pairs of blunt blades and body

Set includes:

- KM 55-481 Cervical Retractor Body, small, 6"
- KM 55-482 25mm blade depth
- KM 55-483 30mm blade depth
- KM 55-484 35mm blade depth
- KM 55-485 40mm blade depth
- KM 55-486 45mm blade depth
- KM 55-487 50mm blade depth
- KM 55-488 55mm blade depth



LUMBAR LAMINA SPREADER

KM 55-495 #1
arm length: 3½"
spread: 1½"

KM 55-496 #2
arm length: 4¼"
spread: 1½"



VERTEBRA SPREADER

KM 55-490 #1 with ratchet
5"
spread: ¾"

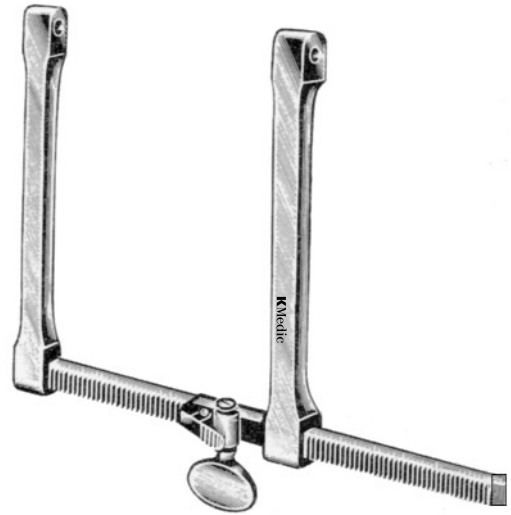


SCOVILLE HEMILAMINECTOMY RETRACTOR BODY

KM 55-445
spread: 6¾"
arm length: 5½"

HAVERFIELD-SCOVILLE HEMILAMINECTOMY RETRACTOR BODY

KM 55-446
spread: 7¼"
arm length: 5¾", hinged



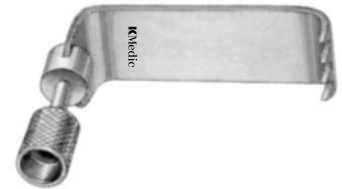
SCOVILLE BLADES, hook style

KM 55-447 2" depth (51mm)
KM 55-448 3" depth (76mm)
KM 55-449 2" depth (51mm), with cross bar
KM 55-450 2¾" depth (70mm), with cross bar



SCOVILLE BLADES, solid

KM 55-451 1" width x 2½" depth (25mm x 64mm)
KM 55-452 2" width x 2½" depth (51mm x 64mm)
KM 55-453 1½" width x 2½" depth (29mm x 67mm)
KM 55-454 1" width x 3½" depth (25mm x 89mm)



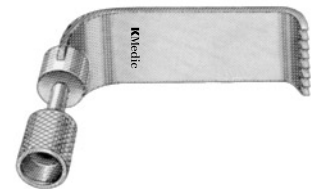
SCOVILLE BLADES, 4 prong

KM 55-456 1½" width x 1½" depth (38mm x 41mm)
KM 55-457 1½" width x 2½" depth (48mm x 67mm)



MEYERDING BLADES

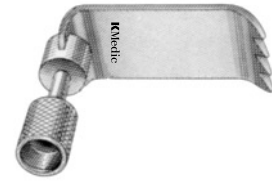
KM 55-458 1" width x 2¼" depth (25mm x 57mm)
KM 55-459 1" width x 3" depth (25mm x 76mm)
KM 55-460 2" width x 3½" depth (51mm x 89mm)



SELF-RETAINING RETRACTORS

HIBBS BLADES

- KM 55-461 1" width x 2" depth (25mm x 51mm)
- KM 55-462 2" width x 2" depth (51mm x 51mm)
- KM 55-463 1" width x 2½" depth (25mm x 64mm)
- KM 55-464 1½" width x 2½" depth (38mm x 64mm)
- KM 55-465 1" width x 3" depth (25mm x 76mm)
- KM 55-466 1½" width x 3" depth (38mm x 76mm)
- KM 55-467 2" width x 3" depth (51mm x 76mm)
- KM 55-468 1" width x 4" depth (25mm x 102mm)
- KM 55-469 2" width x 4" depth (51mm x 102mm)



TAYLOR SPINAL BLADES

- KM 55-471 1¼" width x 3" depth (32mm x 76mm)
- KM 55-472 1¼" width x 4" depth (32mm x 102mm)



TAYLOR LAMINECTOMY BLADE, 3 prong

- KM 55-473 1½" width x 1¾" depth (38mm x 44mm)



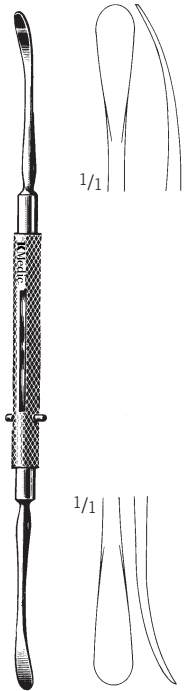
TAYLOR LAMINECTOMY BLADES, 4 prong

- KM 55-474 2" width x 1⅞" depth (51mm x 48mm)
- KM 55-475 2½" width x 2½" depth (64mm x 64mm)
- KM 55-476 2¼" width x 3⅞" depth (57mm x 79mm)

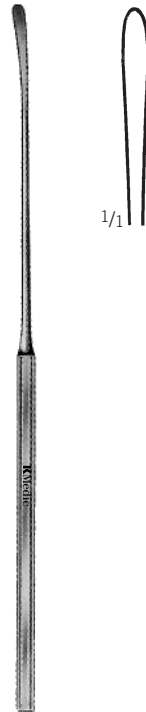


FRAZIER LAMINECTOMY RETRACTOR

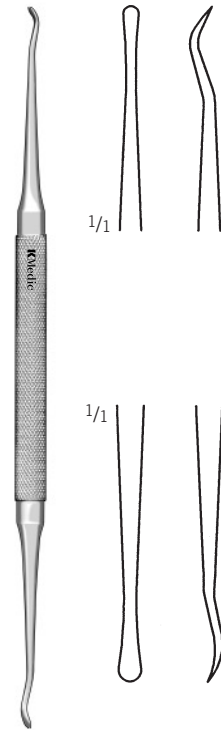
- KM 52-702
- 3x4 blunt prongs
- spread: 3½"
- arm length: 5"



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



SACHS NERVE ELEVATOR
 KM 57-618
 7½"
 3mm blunt



**KLEINERT KUTZ
 ELEVATOR AND DISSECTOR**
 KM 57-615
 7¾"
 2mm x 3mm sharp ends



WOODSON DURAL SEPARATOR AND PACKER
 KM 55-302
 7" double ended with grooved blade
 3mm blunt end



WOODSON ELEVATOR AND SPATULA
 KM 55-300
 10" double ended
 3mm semi-sharp ends

ELEVATORS

*Detail drawings not to scale.
For identification only.*



KM 55-330
KM 55-331
KM 55-332



KM 55-333



KM 55-334



KM 55-335
KM 55-336
KM 55-337



KM 55-338



KM 55-339



KM 55-340



KM 55-341



KM 55-342
KM 55-343



KM 55-344



KM 55-345
KM 55-346



KM 55-347
KM 55-348

RHOTHON MICRO DISSECTION INSTRUMENTS 7 1/2"

- KM 55-330 Round Dissector 1mm, angled
- KM 55-331 Round Dissector 2mm, angled
- KM 55-332 Round Dissector 3mm, angled
- KM 55-333 Elevator, curved
- KM 55-334 Elevator, angled
- KM 55-335 Spatula Dissector #6 small, angled
- KM 55-336 Spatula Dissector #7 medium, angled
- KM 55-337 Spatula Dissector #8 large, angled
- KM 55-338 Hook, 90° angle, sharp
- KM 55-339 Hook, 90° angle, blunt
- KM 55-340 Hook, 45° angle, sharp
- KM 55-341 Needle, straight, sharp
- KM 55-342 Micro Curette, straight, 1mm x 2mm
- KM 55-343 Micro Curette, angled, 1mm x 2mm
- KM 55-344 Ball-tipped Dissector, 0.8mm
- KM 55-345 Ball-tipped Dissector, 90° angle, 3mm
- KM 55-346 Ball-tipped Dissector, 90° angle, 5mm
- KM 55-347 Ball-tipped Dissector, 40° angle, 4mm
- KM 55-348 Ball-tipped Dissector, 40° angle, 8mm



KM 57-624
style #1
7" double ended



KM 57-626
style #2
7 3/4" double ended



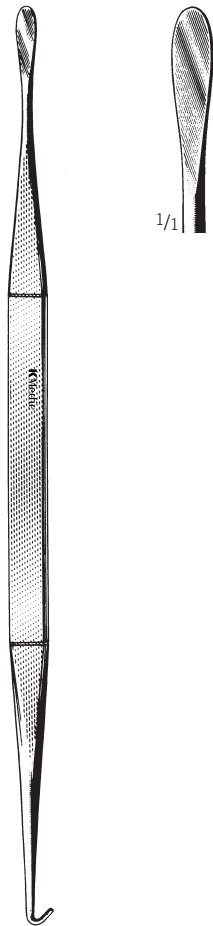
PENFIELD ELEVATORS
KM 57-628
style #3
7 3/4" double ended



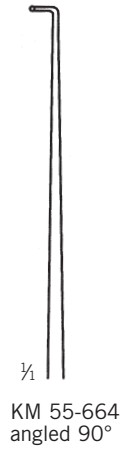
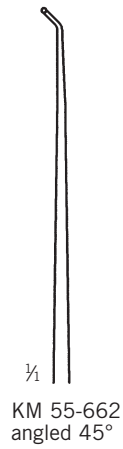
KM 57-630
style #4
8" single ended



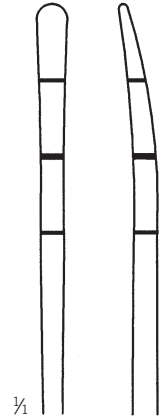
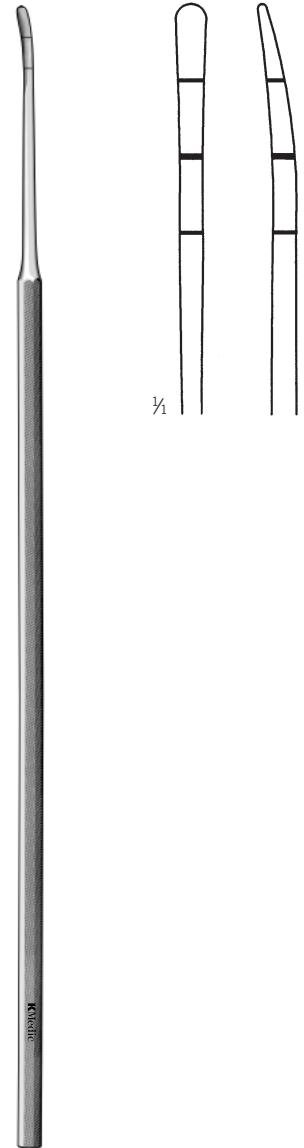
KM 57-632
style #5
7 1/2" double ended



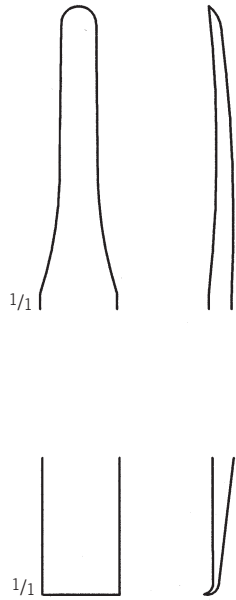
SMITHWICK HOOK AND DISSECTOR
 KM 49-320
 12" double ended
 5mm semi-sharp end
 and 1x10mm blunt hook



NERVE PROBE endoscopic
 15" with ball end and stainless steel handle
 3 1/2" tip and shaft length
 11 1/2" handle length
 .280" (7.1mm) shaft diameter

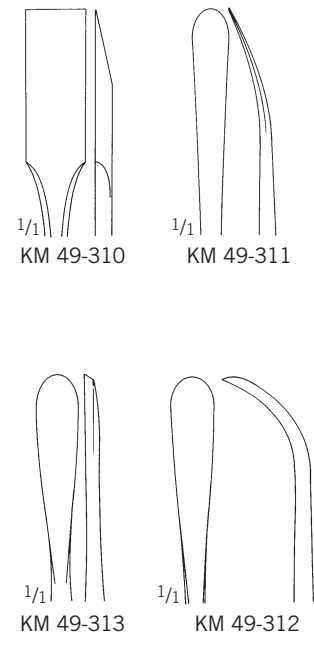


PENFIELD ELEVATOR endoscopic
 KM 55-654
 15" blunt with stainless steel handle
 .16" (4mm) tip width
 3 1/2" tip and shaft length, graduated
 11 1/2" handle length
 .280" (7.1mm) shaft diameter



CARROLL PERIOSTEAL ELEVATOR

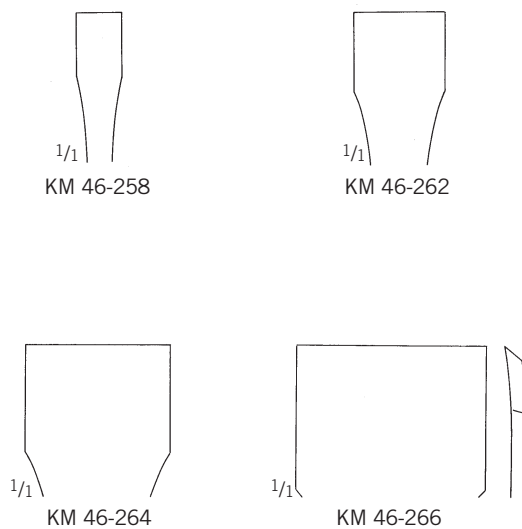
KM 55-306
 5½" sharp, double ended
 3mm round end and 10mm flat end



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

*Also known
 as Joseph
 Elevator.*



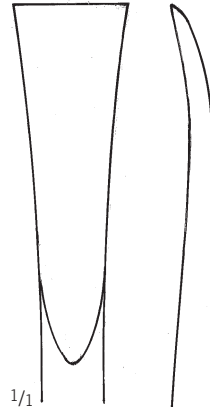
KEY PERIOSTEAL ELEVATOR sharp edge

KM 46-258 7" ¼" width
 KM 46-260 7½" ⅜" width
 KM 46-262 7½" ½" width
 KM 46-264 8" ¾" width
 KM 46-266 8¼" 1" width

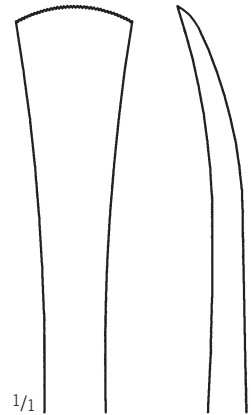
ELEVATORS



1/1
KM 49-322
15mm sharp
curved edge



1/1
KM 49-324
15mm sharp
straight edge



1/1
KM 49-326
15mm serrated
curved edge

CUSHING PERIOSTEAL ELEVATOR 7½"

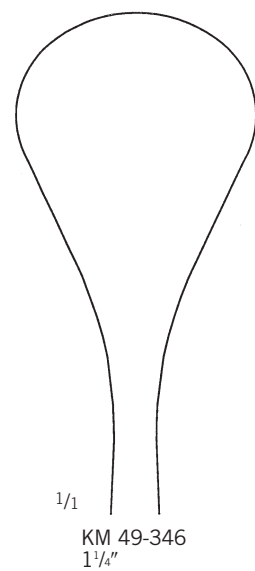
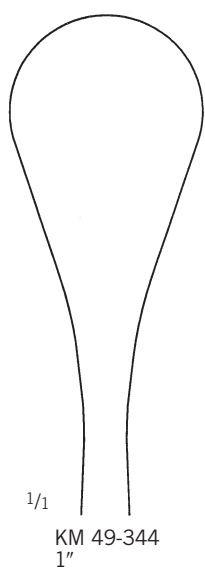
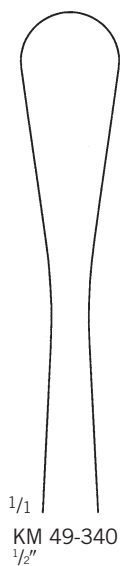


1/1
KM 46-222
6mm narrow
blunt edge



1/1
KM 46-224
17mm broad
sharp edge

LANGENBECK PERIOSTEAL ELEVATOR 7¾"



COBB SPINAL ELEVATOR 9 1/2" sharp
with hexagonal handle
all stainless steel



1/1
KM 46-413S
3/8"
all stainless steel



1/1
KM 46-414S
1/2"
all stainless steel



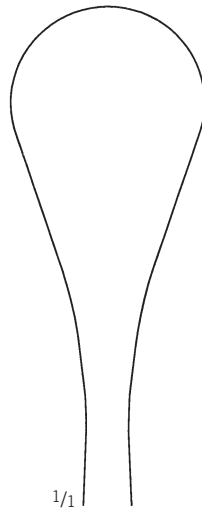
1/1
KM 46-416S
3/8"
all stainless steel



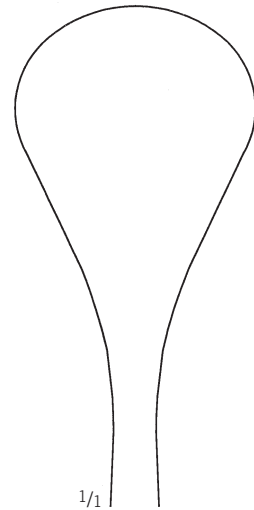
KM 46-413
3/8"
aluminum handle

KM 46-414
1/2"
aluminum handle

KM 46-416
3/8"
aluminum handle



1/1
KM 46-418S
1"
all stainless steel



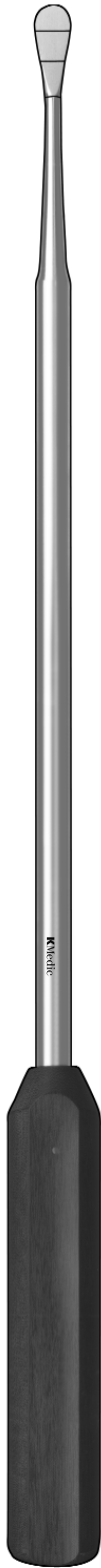
1/1
KM 46-420S
1 1/4"
all stainless steel

KM 46-418
1"
aluminum handle

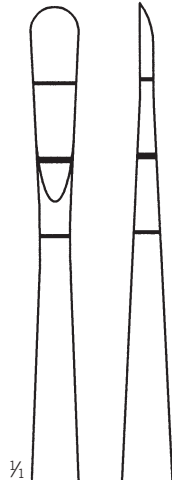
KM 46-420
1 1/4"
aluminum handle

COBB SPINAL ELEVATOR 11" sharp
all stainless steel
Also available with stainless steel working end
and aluminum handle.

*SmartRack® for 11" Cobb Elevators
shown on page 89 (KM 98-170).*



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



KM 55-620
17" sharp
1/4" (6mm) tip width
2.7" tip length
9.3" shaft length
5" handle length
.285" (7.2mm) shaft
diameter



KM 55-610
20" sharp
1/4" (6mm) tip width
3 1/2" tip length
10" shaft length
6 1/2" handle length
.45" (11.5mm) shaft
diameter



KM 55-612
20" sharp
3/8" (10mm) tip width
3 1/2" tip length
10" shaft length
6 1/2" handle length
.45" (11.5mm) shaft
diameter



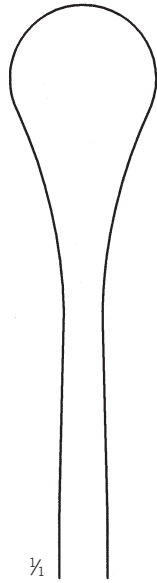
KM 55-614
20" sharp
.490" (13mm) tip width
3 1/2" tip length
10" shaft length
6 1/2" handle length
.45" (11.5mm) shaft
diameter

COBB SPINAL ELEVATOR endoscopic
with phenolic handle
graduated tips

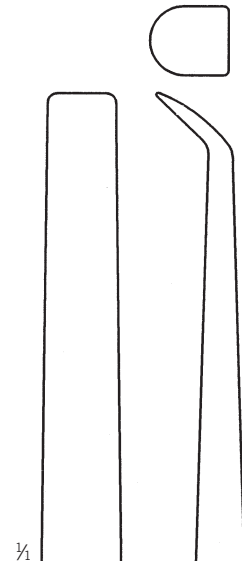
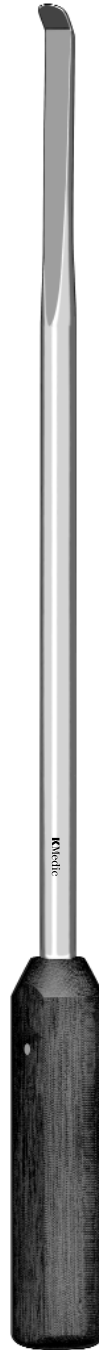
*Longer phenolic handle provides
two-handed control for better leverage.*

ELEVATORS

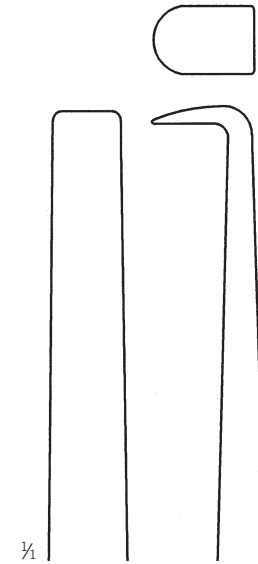
*Phenolic handles
are autoclavable
to 290°F (143°C)*



HARRINGTON SPINAL ELEVATOR
KM 55-798
12" sharp
3/4" (19mm) tip width
all stainless steel

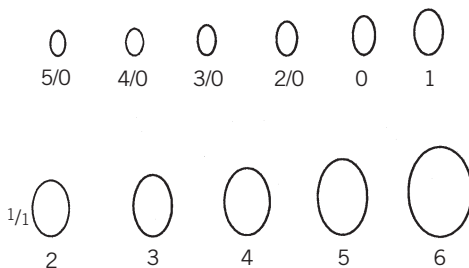


KM 55-640
angled 45°



KM 55-644
angled 90°

RIB ELEVATOR endoscopic
17" sharp with phenolic handle
9mm radius tip
4" tip length
8" shaft length
5" handle length
.45" (11.5mm) shaft diameter

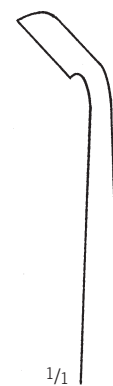


7" straight

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

9" straight

- KM 46-563 #3/0
- KM 46-564 #2/0
- KM 46-565 #0
- KM 46-566 #1
- KM 46-567 #2
- KM 46-568 #3
- KM 46-569 #4
- KM 46-570 #5
- KM 46-571 #6



9" angled 45°

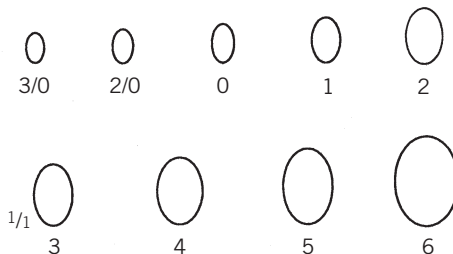
- KM 49-110 #3/0
- KM 49-111 #2/0
- KM 49-112 #0
- KM 49-113 #1
- KM 49-114 #2
- KM 49-115 #3
- KM 49-116 #4
- KM 49-117 #5
- KM 49-118 #6



SmartRack® for 7" Brun Curettes shown on page 89 (KM 98-160).
SmartRack® for 9" Brun Curettes shown on page 89 (KM 98-180).

BRUN (SPINAL FUSION) CURETTE with hollow handle, oval cup

Also known as Spratt Curette



straight

- KM 46-551 #3/0
- KM 46-552 #2/0
- KM 46-553 #0
- KM 46-554 #1
- KM 46-555 #2
- KM 46-556 #3
- KM 46-557 #4
- KM 46-558 #5
- KM 46-559 #6

angled 45°

- KM 49-150 #3/0
- KM 49-151 #2/0
- KM 49-152 #0
- KM 49-153 #1
- KM 49-154 #2
- KM 49-155 #3
- KM 49-156 #4
- KM 49-157 #5
- KM 49-158 #6



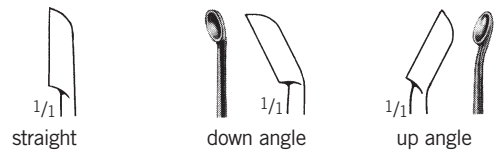
SmartRack® for 9" Brun Curettes shown on page 89 (KM 98-180).

BRUN (SPINAL FUSION) CURETTE 9" with solid hexagonal handle

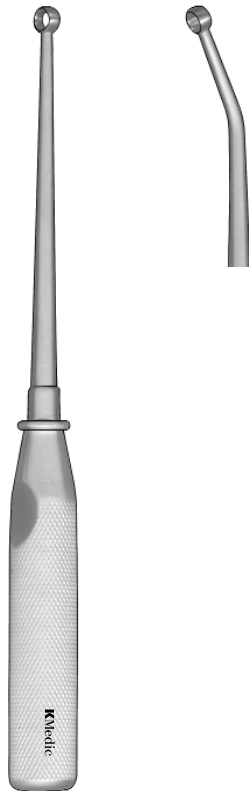
CURETTES



EPSTEIN CURETTE 8" with hollow handle
 KM 49-580 #000
 KM 49-582 #00
 KM 49-584 #0



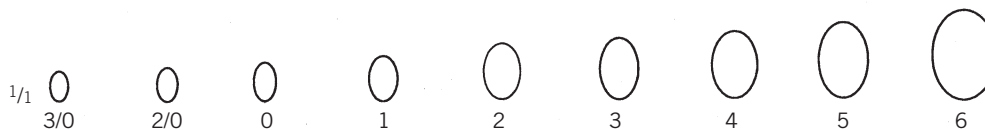
SCOVILLE CURETTE 10" with hollow handle
 KM 49-574 straight
 KM 49-576 down angle
 KM 49-578 up angle



straight
 KM 49-450 size #1, 8mm diameter
 KM 49-452 size #2, 6mm diameter
 KM 49-454 size #3, 3mm diameter

angled 35°
 KM 49-456 size #1, 8mm diameter
 KM 49-458 size #2, 6mm diameter
 KM 49-460 size #3, 3mm diameter

CONE RING CURETTE 9" with knurled handle, fenestrated cup



**anodized aluminum handle
stainless steel working end**

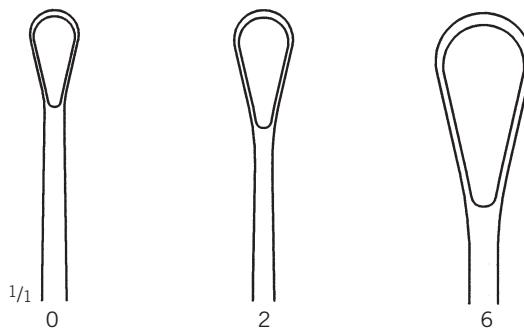
<i>straight</i>		<i>angled</i>	
KM 46-422	#3/0	KM 46-433	#3/0
KM 46-423	#2/0	KM 46-434	#2/0
KM 46-424	#0	KM 46-435	#0
KM 46-425	#1	KM 46-436	#1
KM 46-426	#2	KM 46-437	#2
KM 46-427	#3	KM 46-438	#3
KM 46-428	#4	KM 46-439	#4
KM 46-429	#5	KM 46-440	#5
KM 46-430	#6	KM 46-441	#6

all stainless

<i>straight</i>		<i>angled</i>	
KM 46-422S	#3/0	KM 46-433S	#3/0
KM 46-423S	#2/0	KM 46-434S	#2/0
KM 46-424S	#0	KM 46-435S	#0
KM 46-425S	#1	KM 46-436S	#1
KM 46-426S	#2	KM 46-437S	#2
KM 46-427S	#3	KM 46-438S	#3
KM 46-428S	#4	KM 46-439S	#4
KM 46-429S	#5	KM 46-440S	#5
KM 46-430S	#6	KM 46-441S	#6

*SmartRack® for
Cobb Curettes shown on
page 89 (KM 98-170).*

COBB CURETTE 11" with knurled handle

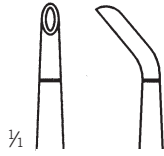


KM 55-680	10"	KM 55-681	10"	KM 55-682	10 1/4"
KM 55-684	11 1/2"	KM 55-685	11 1/2"	KM 55-686	12"

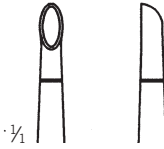
RING CURETTE hollow handle, with fenestrated cup

CURETTES

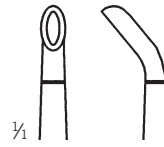
*Phenolic handles
are autoclavable
to 290°F (143°C)*



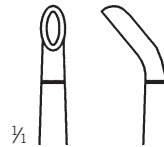
KM 55-532
17" angled 40°
2mm x 4mm cup
2.7" tip length
9.3" shaft length
5" handle length
.285" (7.2mm) shaft diameter



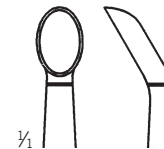
KM 55-523
17" straight
3mm x 6mm cup
2.7" tip length
9.3" shaft length
5" handle length
.285" (7.2mm) shaft diameter



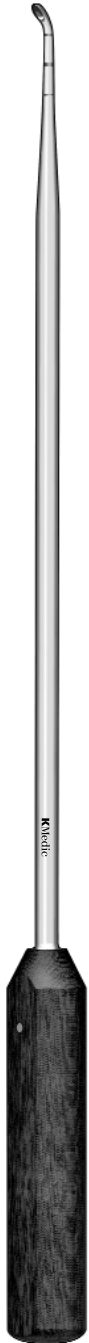
KM 55-533
17" angled 40°
3mm x 6mm cup
2.7" tip length
9.3" shaft length
5" handle length
.285" (7.2mm) shaft diameter



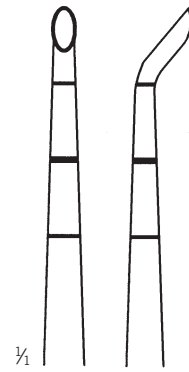
KM 55-543
20" angled 40°
3mm x 6mm cup
3½" tip length
10" shaft length
6½" handle length
.45" (11.5mm) shaft diameter



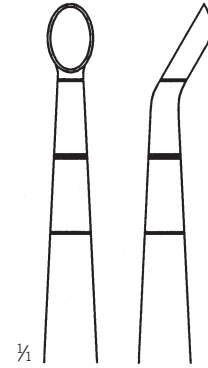
KM 55-556
20" angled 30°
6mm x 9mm cup
3½" tip length
10" shaft length
6½" handle length
.45" (11.5mm) shaft diameter



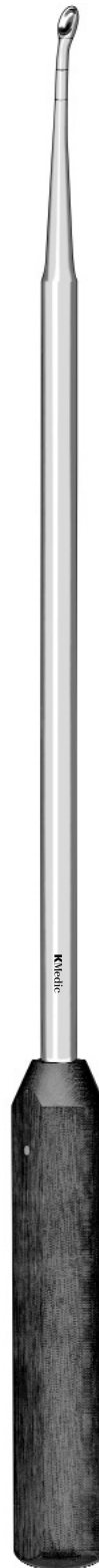
BRUN CURETTE endoscopic graduated with phenolic handle



KM 55-593
17" reverse angled 40°
3mm x 6mm cup
2.7" tip length
9.3" shaft length
5" handle length
.285" (7.2mm) shaft diameter

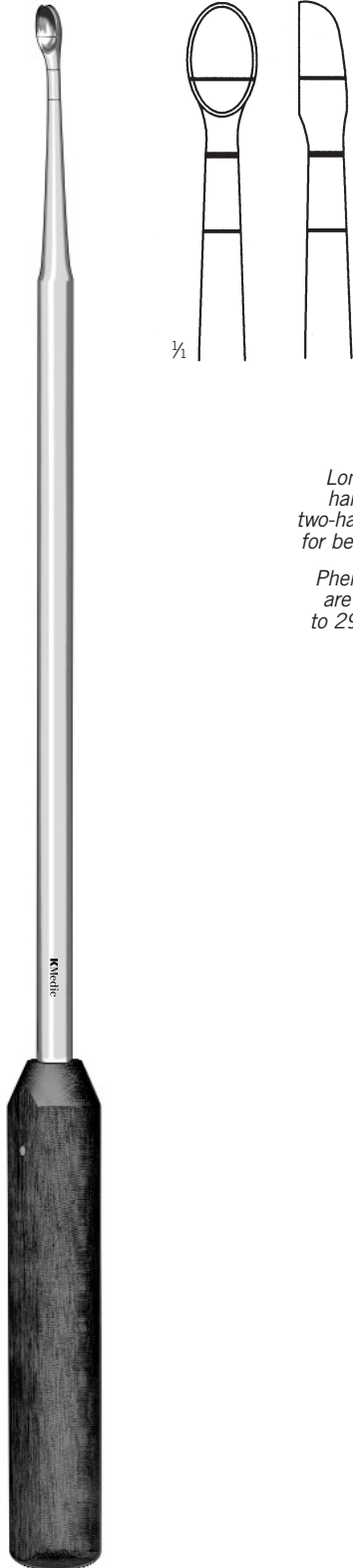


KM 55-586
20" reverse angled 30°
6mm x 9mm cup
3½" tip length
10" shaft length
6½" handle length
.45" (11.5mm) shaft diameter



EPSTEIN CURETTE endoscopic graduated with phenolic handle

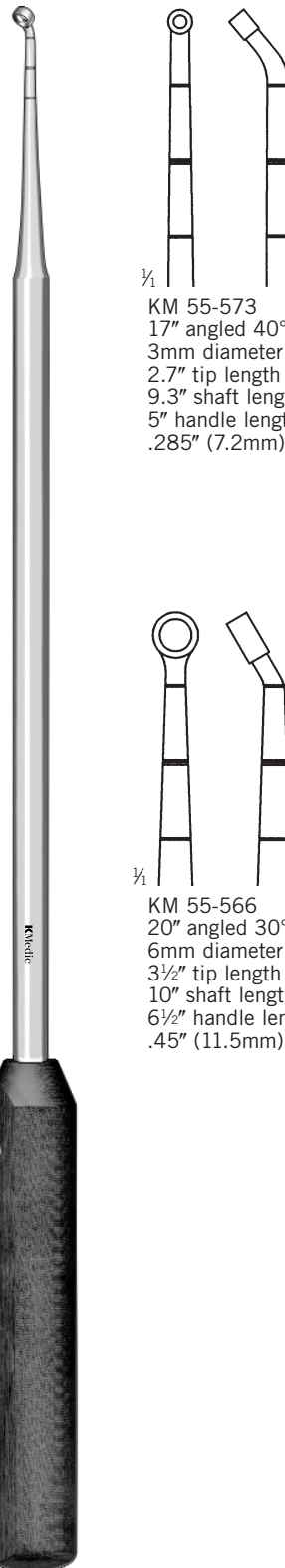
Longer phenolic handles provide two-handed control for better leverage.



Longer phenolic handles provide two-handed control for better leverage.

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

SCOVILLE CURETTE endoscopic
 KM 55-510
 20" graduated with phenolic handle
 9mm x 15mm cup straight
 3½" tip length
 10" shaft length
 6½" handle length
 .45" (11.5mm) shaft diameter



KM 55-573
 17" angled 40°
 3mm diameter
 2.7" tip length
 9.3" shaft length
 5" handle length
 .285" (7.2mm) shaft diameter

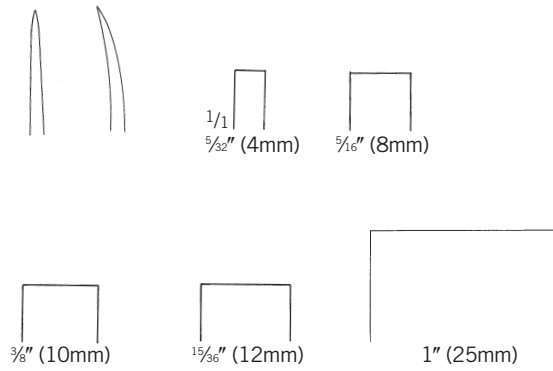
KM 55-566
 20" angled 30°
 6mm diameter
 3½" tip length
 10" shaft length
 6½" handle length
 .45" (11.5mm) shaft diameter

CONE RING CURETTE endoscopic
 graduated with phenolic handle

OSTEOTOMES



- 7" straight**
with calibration lines
- 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



- 9" straight**
without calibration lines
- KM 46-304 1/4"
 - KM 46-306 1/2"
 - KM 46-310 3/4"
 - KM 46-314 1"
 - KM 46-318 1 1/4"
 - KM 46-322 1 1/2"

- 9" curved**
without calibration lines
- KM 46-328 1/4"
 - KM 46-329 1/2"
 - KM 46-330 3/4"
 - KM 46-331 1"
 - KM 46-332 1 1/4"
 - KM 46-333 1 1/2"

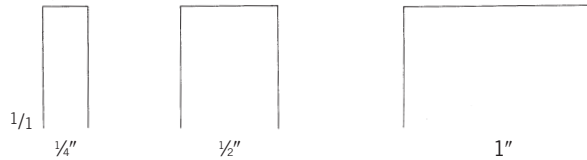


LAMBOTTE OSTEOTOME

SmartRack® for 9" Lambotte Osteotomes shown on page 90 (KM 98-190).



- 8" straight**
- KM 46-448 1/4"
 - KM 46-449 3/8"
 - KM 46-450 1/2"
 - KM 46-451 5/8"
 - KM 46-452 3/4"
 - KM 46-453 1"
 - KM 46-454 1 1/4"

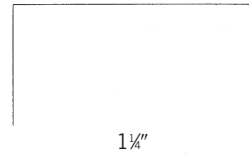
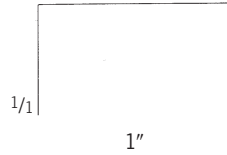


- 8" curved**
- KM 46-457 1/4"
 - KM 46-458 3/8"
 - KM 46-459 1/2"
 - KM 46-460 5/8"
 - KM 46-461 3/4"
 - KM 46-462 1"
 - KM 46-463 1 1/4"



SMITH PETERSON OSTEOTOME

SmartRack® for Smith Peterson Osteotomes shown on page 90 (KM 98-195).



9" straight

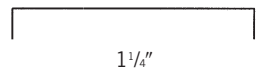
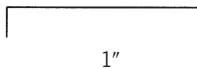
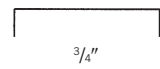
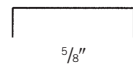
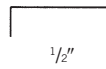
- KM 46-359 1/4"
- KM 46-360 3/8"
- KM 46-361 1/2"
- KM 46-362 5/8"
- KM 46-363 3/4"
- KM 46-364 7/8"
- KM 46-365 1"
- KM 46-366 1 1/8"
- KM 46-367 1 1/4"
- KM 46-368 1 1/2"

9" curved

- KM 46-373 1/4"
- KM 46-376 3/8"
- KM 46-377 1/2"
- KM 46-378 5/8"
- KM 46-379 3/4"
- KM 46-380 7/8"
- KM 46-381 1"
- KM 46-382 1 1/8"
- KM 46-383 1 1/4"
- KM 46-384 1 1/2"

HIBBS OSTEOTOME with hexagonal handle, all stainless steel

SmartRack® for
Hibbs Osteotomes shown
on page 89 (KM 98-180).



11" straight

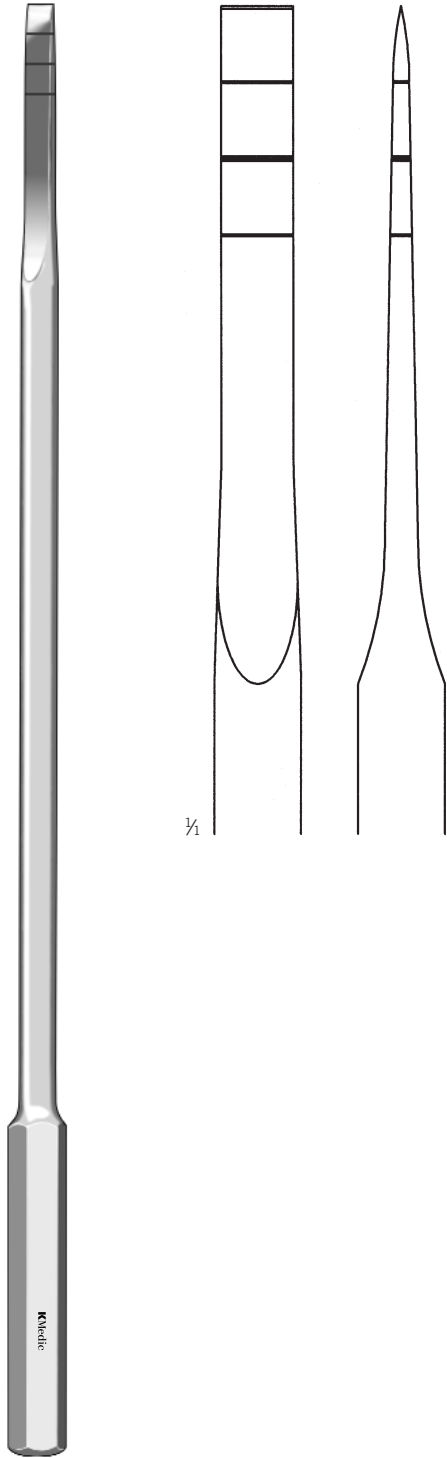
- KM 49-350 1/4"
- KM 49-351 3/8"
- KM 49-352 1/2"
- KM 49-353 5/8"
- KM 49-354 3/4"
- KM 49-355 1"
- KM 49-356 1 1/4"

11" curved

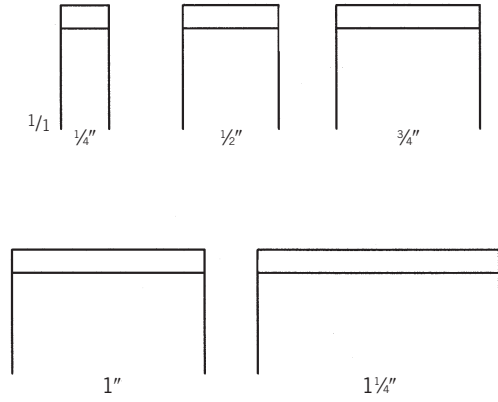
- KM 49-357 1/4"
- KM 49-358 3/8"
- KM 49-359 1/2"
- KM 49-360 5/8"
- KM 49-361 3/4"
- KM 49-362 1"
- KM 49-363 1 1/4"

COBB OSTEOTOME all stainless steel

OSTEOTOMES AND CHISELS



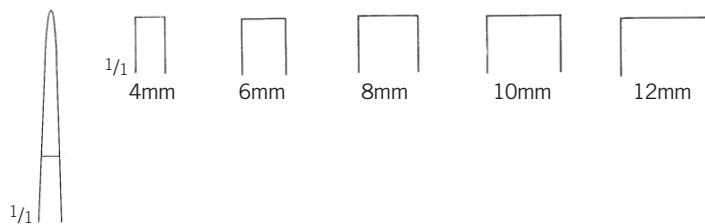
HIBBS OSTEOTOME endoscopic
 KM 55-642
 18 1/2" with stainless steel handle
 3/8" (10mm) tip width straight
 3 1/2" tip length, graduated
 10 3/4" shaft length
 4 1/4" handle length
 .45" (11.5mm) shaft diameter



HIBBS CHISEL
 stainless steel handle

9" straight		9" curved	
KM 49-059	1/4"	KM 49-073	1/4"
KM 49-060	3/8"	KM 49-074	3/8"
KM 49-061	1/2"	KM 49-075	1/2"
KM 49-062	5/8"	KM 49-076	5/8"
KM 49-063	3/4"	KM 49-077	3/4"
KM 49-064	7/8"	KM 49-078	7/8"
KM 49-065	1"	KM 49-079	1"
KM 49-066	1 1/8"	KM 49-080	1 1/8"
KM 49-067	1 1/4"	KM 49-081	1 1/4"
KM 49-068	1 1/2"	KM 49-082	1 1/2"

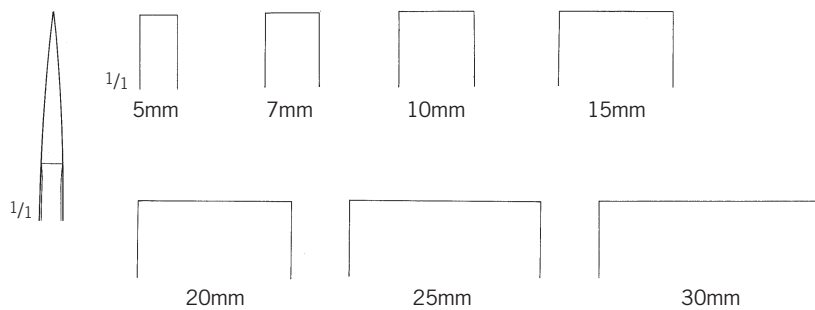
*SmartRack® for
 Hibbs Chisels shown on
 page 89 (KM 98-180).*



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

LEXER MINI CHISEL 7" phenolic handle

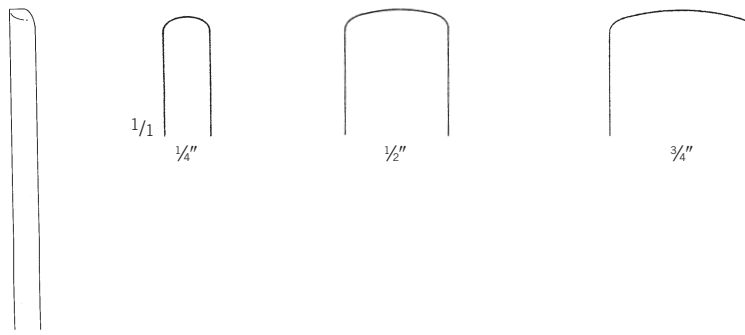
Phenolic handles are autoclavable to 290°F (143°C)



- KM 49-246 5mm
- KM 49-248 7mm
- KM 49-250 10mm
- KM 49-252 15mm
- KM 49-254 20mm
- KM 49-256 25mm
- KM 49-258 30mm

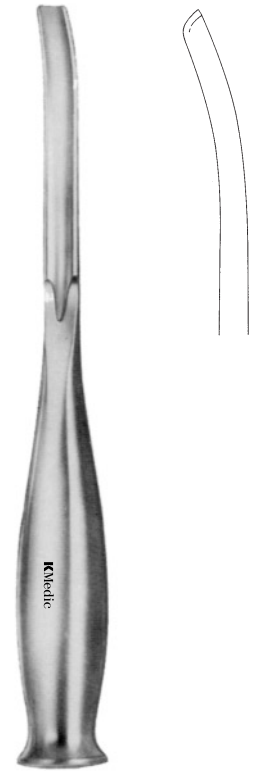
LEXER CHISEL 8³/₄" phenolic handle

GOUGES



8" straight

- KM 46-466 1/4"
- KM 46-467 3/8"
- KM 46-468 1/2"
- KM 46-476 5/8"
- KM 46-477 3/4"
- KM 46-478 1"
- KM 46-479 1 1/4"

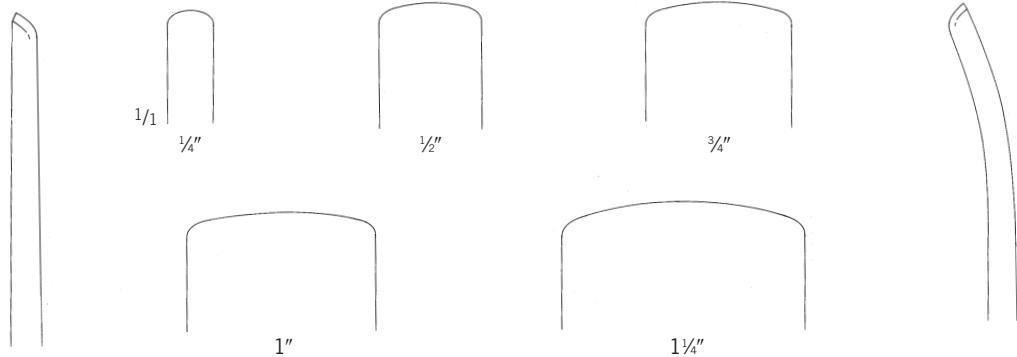


8" curved

- KM 46-487 1/4"
- KM 46-488 3/8"
- KM 46-489 1/2"
- KM 46-490 5/8"
- KM 46-491 3/4"
- KM 46-493 1"
- KM 46-495 1 1/4"

SMITH PETERSON GOUGE

SmartRack® for Smith Peterson Gouges shown on page 90 (KM 98-195).



9" straight

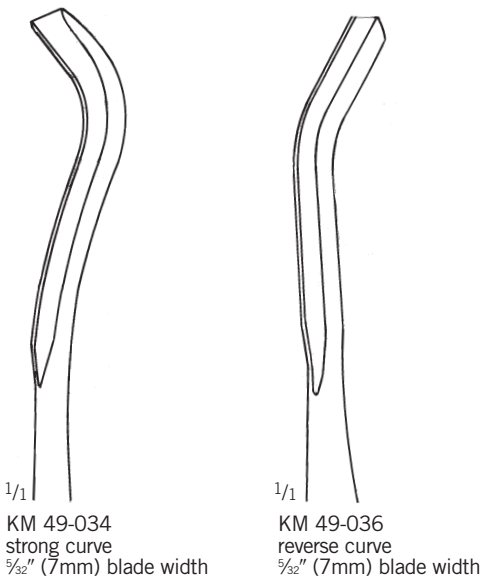
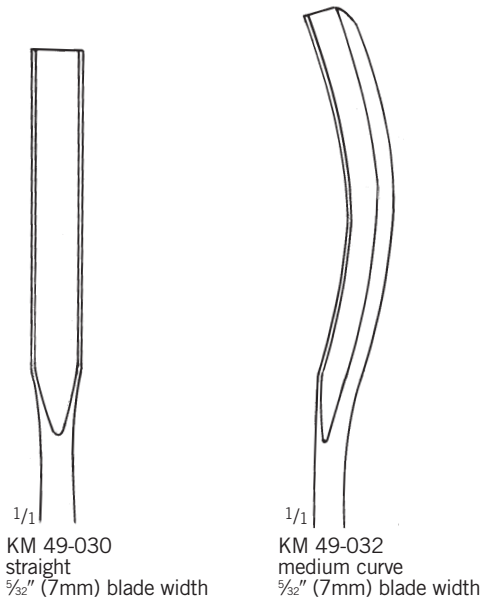
- KM 46-387 1/4"
- KM 46-388 3/8"
- KM 46-389 1/2"
- KM 46-390 5/8"
- KM 46-391 3/4"
- KM 46-392 7/8"
- KM 46-393 1"
- KM 46-394 1 1/8"
- KM 46-395 1 1/4"
- KM 46-401 1 1/2"

9" curved

- KM 46-402 1/4"
- KM 46-403 3/8"
- KM 46-404 1/2"
- KM 46-405 5/8"
- KM 46-407 3/4"
- KM 46-408 7/8"
- KM 46-409 1"
- KM 46-410 1 1/8"
- KM 46-411 1 1/4"
- KM 46-412 1 1/2"

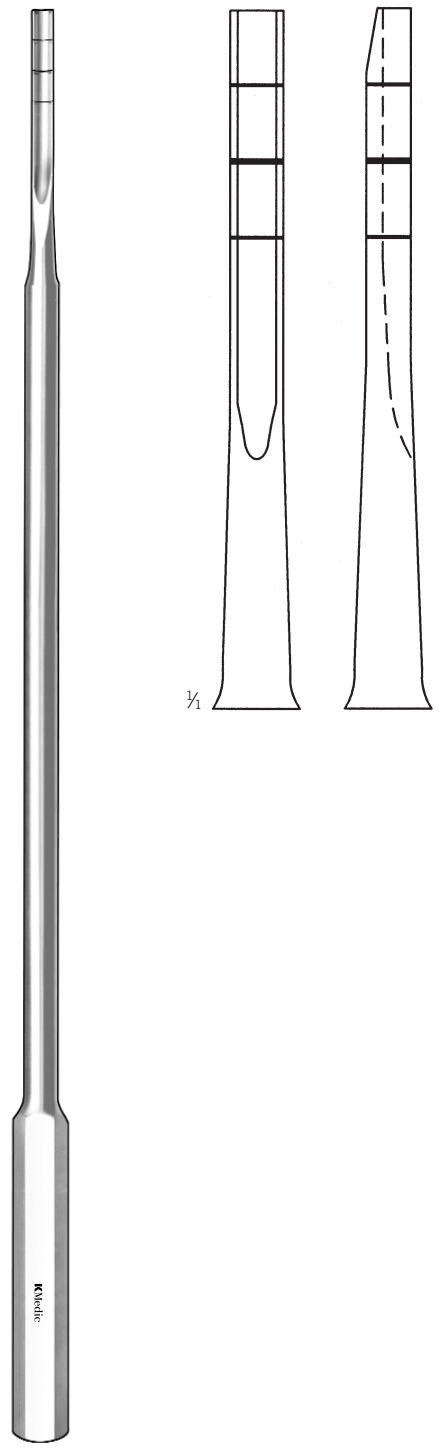
HIBBS GOUGE

SmartRack® for Hibbs Gouges shown on page 89 (KM 98-180).



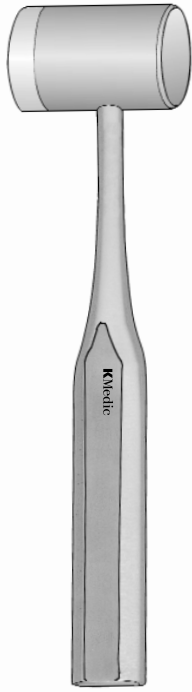
COBB-TYPE SPINAL GOUGE 11"
all stainless, with knurled handle

*SmartRack® for
Cobb-type Gouges shown
on page 89 (KM 98-170).*



HIBBS GOUGE endoscopic
KM 55-630
18 1/2" with stainless steel handle
.28" (7mm) tip width straight, graduated
3 1/2" tip length
10 3/4" shaft length
4 1/4" handle length
.45" (11.5mm) shaft diameter

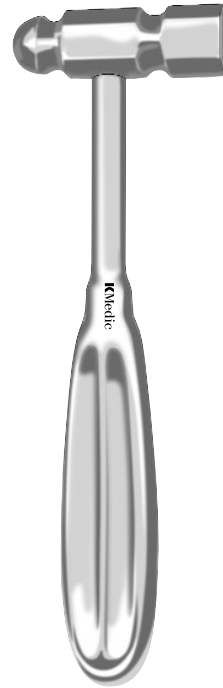
MALLETS



Autoclavable to 250°F (121°C).

COMBINATION Mallet

with one nylon cap and one solid stainless steel 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



CLOWARD-STYLE Mallet

solid stainless steel
 KM 55-400 KM 55-401
 7½" 9"
 weight: 8 oz. (240 grams) weight: 1 lb. (450 grams)
 head weight: 4 oz. (120 grams) head weight: 8 oz. (240 grams)
 head diameter: 19mm head diameter: 25mm
 ball pean diameter: 16mm ball pean diameter: 22mm



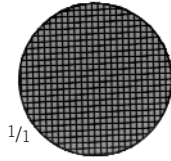
ORTHOPEDIC Mallet short handle, lightweight

KM 49-763
 7" solid stainless steel
 weight: 1 lb. 2 oz. (500 grams)
 head weight: 8 oz. (240 grams)
 head diameter: 30mm



ORTHOPEDIC Mallet short handle, heavyweight

KM 49-762
 7½" solid stainless steel
 weight: 2 lbs. (900 grams)
 head weight: 1 lb. 5 oz. (600 grams)
 head diameter: 38mm



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).

BONE IMPACTOR

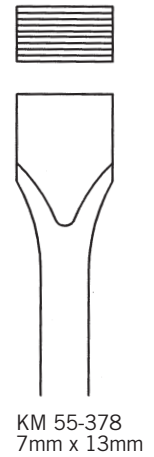
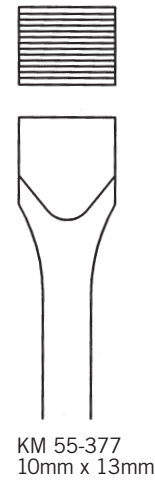
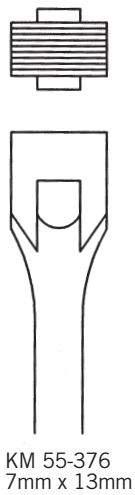
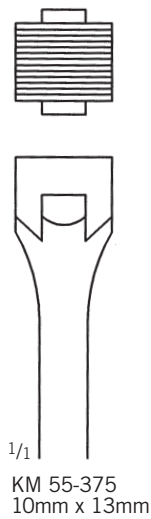
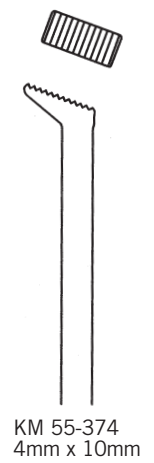
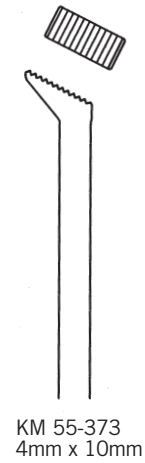
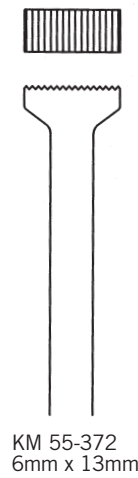
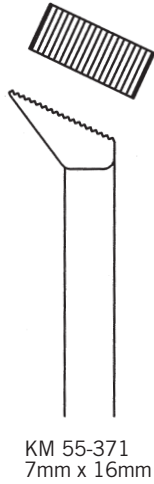
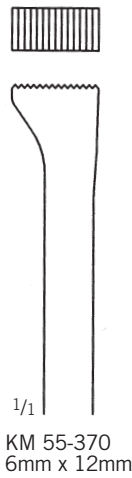
KM 69-980
6½" with replaceable nylon caps
anodized aluminum handle
head diameter: 20mm



- 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

IMPACTORS AND TAMPS

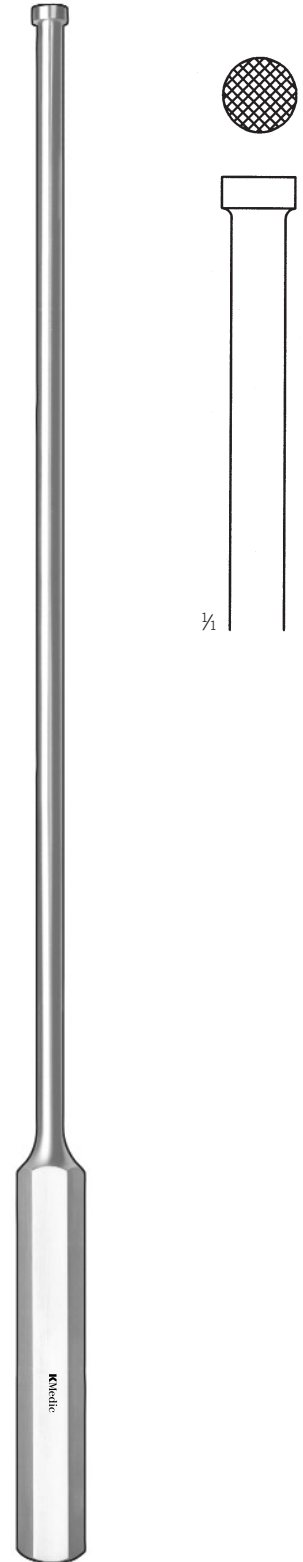
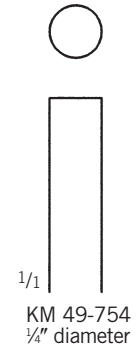
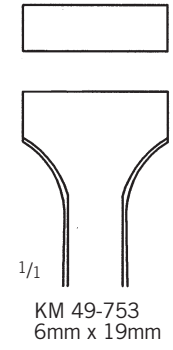
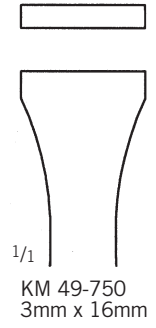
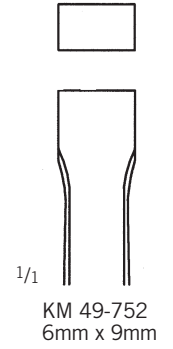
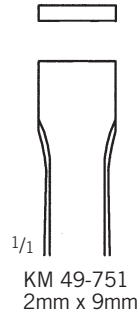


LUMBAR AND CERVICAL IMPACTORS AND DRIVERS serrated tips

- KM 55-370 Impactor, standard offset, 8 1/2"
- KM 55-371 Impactor, central canal, 8 1/2"
- KM 55-372 Impactor, lateral narrow, 8 1/2"
- KM 55-373 Impactor, micro offset, 7"
- KM 55-374 Impactor, micro lateral, 7"
- KM 55-375 Graft Driver, lumbar, guarded, 8 1/2"
- KM 55-376 Graft Driver, anterior, guarded, 8 1/2"
- KM 55-377 Graft Driver, lumbar, unguarded, 8 1/2"
- KM 55-378 Graft Driver, anterior, unguarded, 8 1/2"

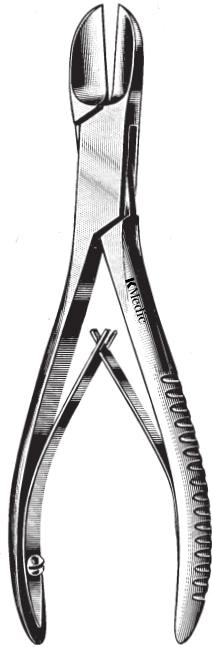


BONE CHIP PACKER
 10" smooth tips
 stainless steel handle



BONE TAMP endoscopic
 KM 55-676
 17" with stainless steel handle
 3/8" diameter
 .16" tip length
 12.59" shaft length
 4 1/4" handle length
 .280" (7.1mm) shaft diameter

BONE CUTTING FORCEPS



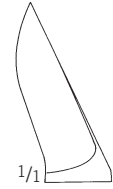
KM 47-398
5 1/2" straight



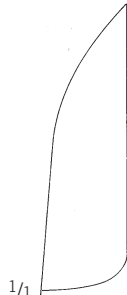
KM 47-410
5 1/2" angled
on flat



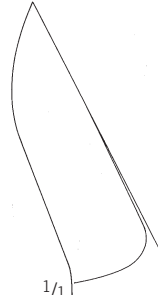
KM 47-400
6" straight



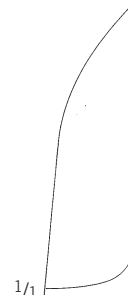
KM 47-404
6 3/4" angled
on flat



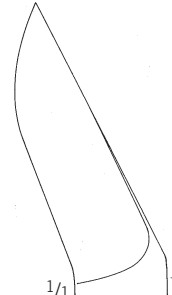
KM 47-402
7 1/2" straight



KM 47-412
7 1/2" angled
on flat

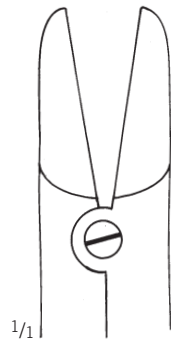


KM 47-406
8 1/2" straight



KM 47-408
8 1/2" angled
on flat

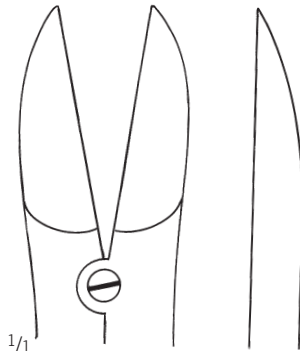
LISTON BONE FORCEPS



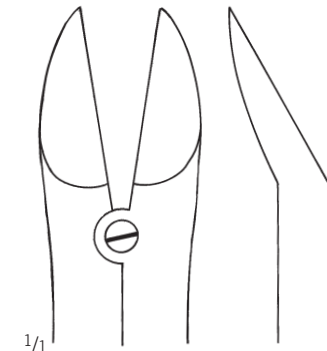
KM 47-540
7 1/2" straight
delicate blades



KM 47-541
7" angled on flat
delicate blades

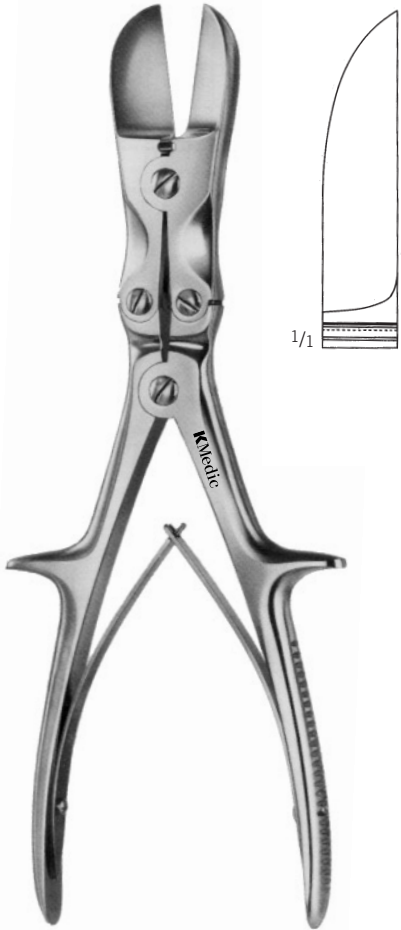


KM 47-538
7 1/2" straight

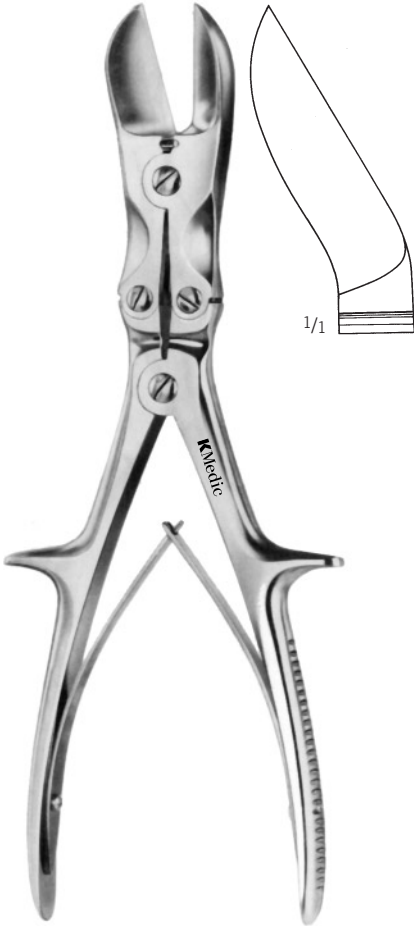


KM 47-542
7 1/4" angular

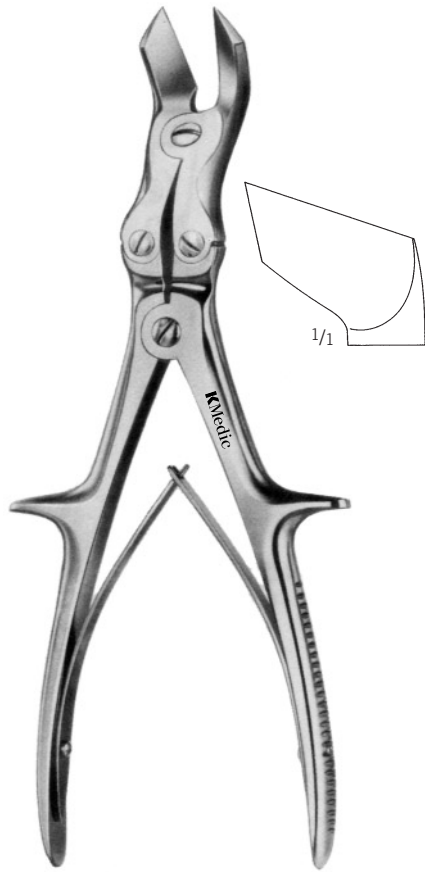
RUSKIN-LISTON FORCEPS



STILLE-LISTON FORCEPS
 KM 47-366
 10 1/2" straight

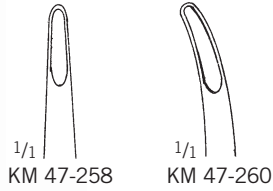
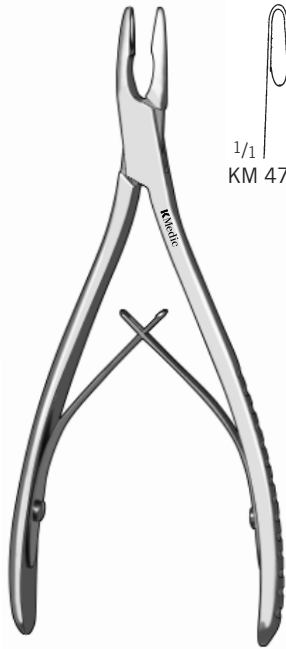


STILLE-LISTON FORCEPS
 KM 47-370
 10 1/2" angled on flat

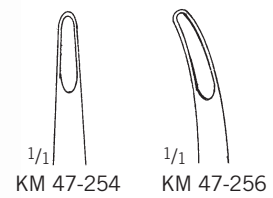


STILLE-HORSLEY FORCEPS
 KM 47-374
 10 1/2" angled

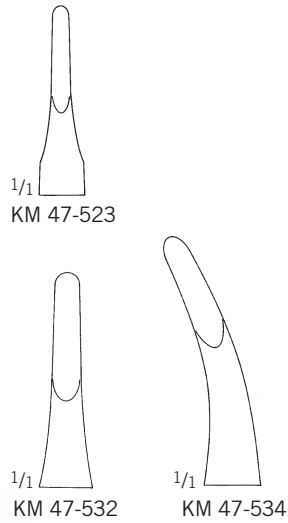
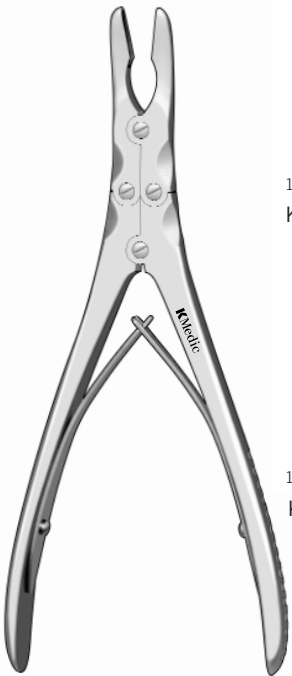
RONGEURS



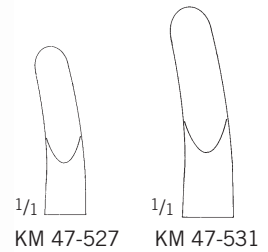
LEMPERT RONGEUR 6"
 KM 47-258 straight delicate 3x7mm bite
 KM 47-260 curved delicate 3x7mm bite



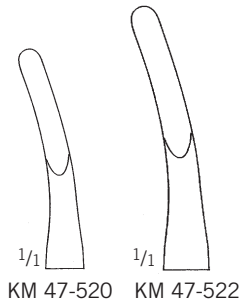
LEMPERT RONGEUR 7 1/2"
 KM 47-254 straight delicate 3x7mm bite
 KM 47-256 curved delicate 3x7mm bite



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



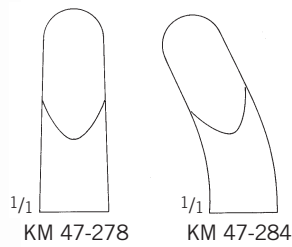
RUSKIN RONGEUR 7 1/4"
straight
 KM 47-526 4x16mm bite
 KM 47-528 6x16mm bite
curved
 KM 47-527 4x16mm bite
 KM 47-531 6x16mm bite



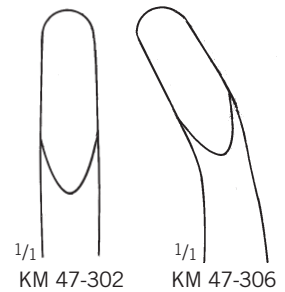
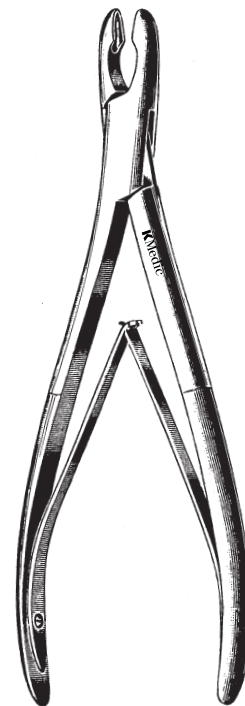
BEYER RONGEUR
 KM 47-520 KM 47-522
 7" curved 7" curved
 3x14mm bite 4x15mm bite



ZAUFAL-JANSEN RONGEUR
 KM 47-524
 7" curved
 5x15mm bite

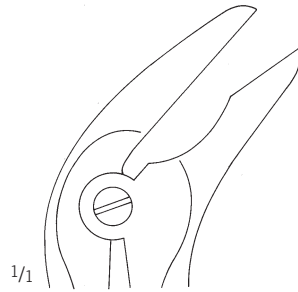


LUER RONGEUR
 KM 47-278 KM 47-284
 7" straight 7" curved
 8x12mm bite 8x12mm bite



ADSON RONGEUR
 KM 47-302 KM 47-306
 8" straight 8" curved
 7x15mm bite 7x15mm bite

RONGEURS



KM 47-480
2x12mm bite

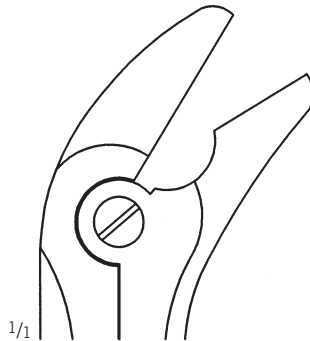


KM 47-482
3x12mm bite



KM 47-484
4x12mm bite

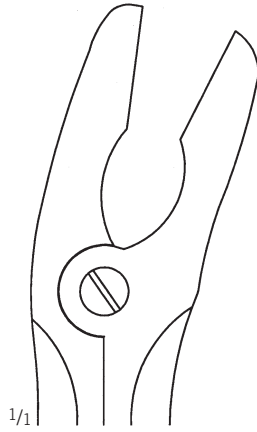
ECHLIN DUCKBILL RONGEUR 9" straight, curved on side



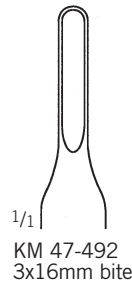
STILLE-LUER ECHLIN RONGEUR
KM 47-473
9" straight, curved on side
6x15mm bite



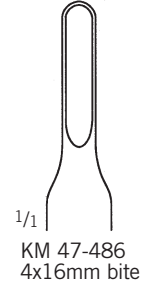
LEKSELL RONGEUR 9"
15° curve



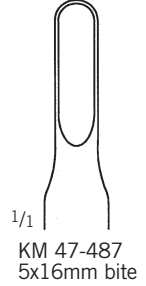
1/1



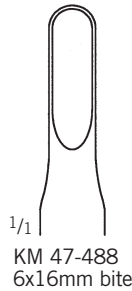
1/1
KM 47-492
3x16mm bite



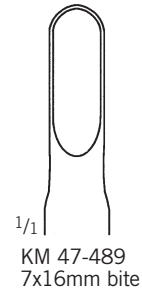
1/1
KM 47-486
4x16mm bite



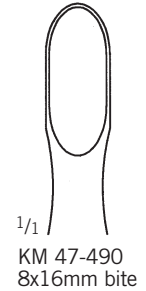
1/1
KM 47-487
5x16mm bite



1/1
KM 47-488
6x16mm bite



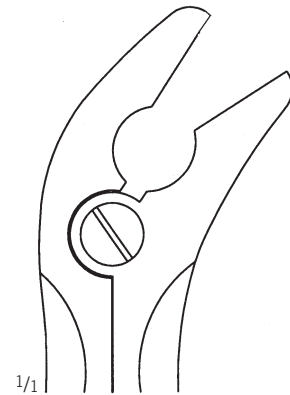
1/1
KM 47-489
7x16mm bite



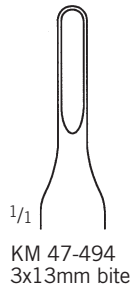
1/1
KM 47-490
8x16mm bite



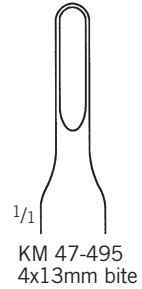
LEKSELL RONGEUR 9"
50° curve



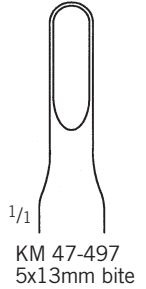
1/1



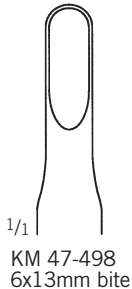
1/1
KM 47-494
3x13mm bite



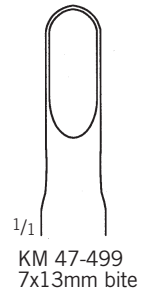
1/1
KM 47-495
4x13mm bite



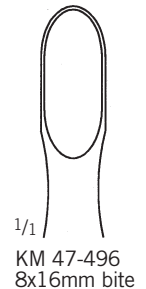
1/1
KM 47-497
5x13mm bite



1/1
KM 47-498
6x13mm bite

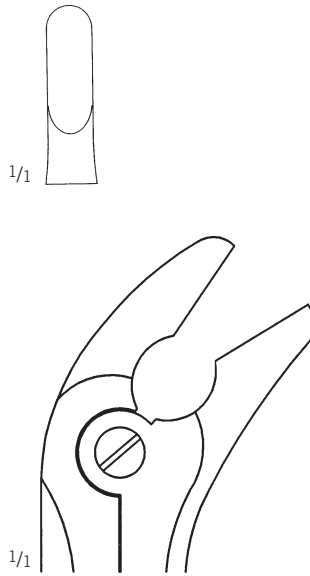


1/1
KM 47-499
7x13mm bite



1/1
KM 47-496
8x16mm bite

RONGEURS



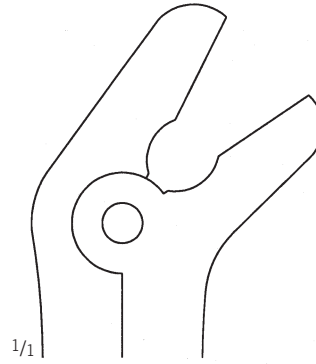
STILLE-LUER DUCKBILL RONGEUR
 KM 47-472
 9" curved on side
 6x13mm bite



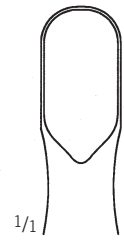
straight
 KM 47-458 8½"
 KM 47-462 10½"
 10x18mm bite



curved
 KM 47-460 8½"
 KM 47-464 10½"
 10x18mm bite



curved on side
 KM 47-461 8½"

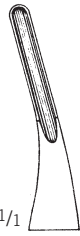


KM 47-461
 10x16mm bite

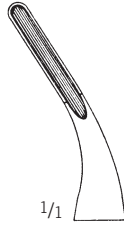
STILLE-LUER RONGEUR



1/1
KM 47-474
straight
3x16mm bite

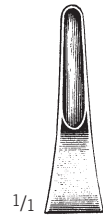


1/1
KM 47-476
curved
3x16mm bite

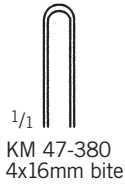


1/1
KM 47-478
full curved
3x16mm bite

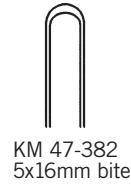
SMITH-PETERSON LAMINECTOMY RONGEUR 9½"



DALE THORACIC RONGEUR 14½" slight curve
KM 47-396
3x16mm bite



1/1
KM 47-380
4x16mm bite



KM 47-382
5x16mm bite



KM 47-384
8x16mm bite



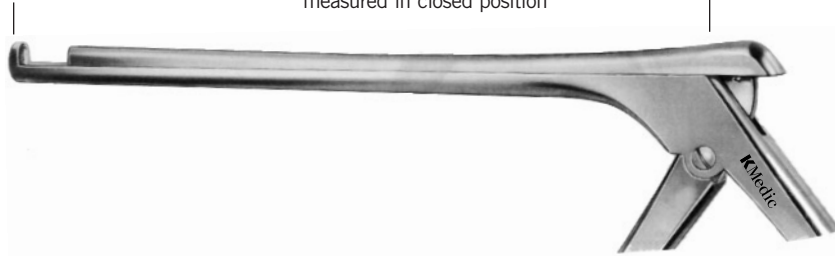
KM 47-386
12x16mm bite

SYPERT RONGEUR 14½" slightly angled jaw

SPINAL RONGEURS AND PUNCHES

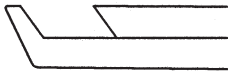
IDENTIFICATION CHART

SHAFT LENGTH
measured in closed position

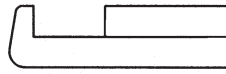


BITE STYLES punch jaws, thin footplate

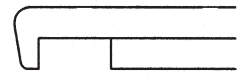
Forward 40°



Up 90°

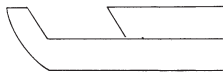


Down 90°

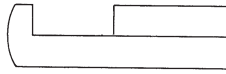


BITE STYLES punch jaws, regular footplate

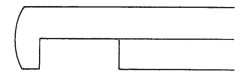
Forward 40°



Up 90°



Down 90°

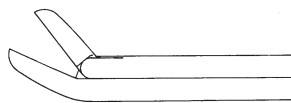


BITE STYLES cup jaws

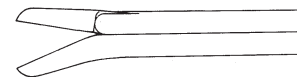
Straight



Up

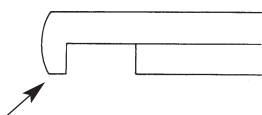


Down

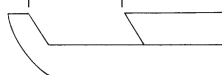


PUNCH JAWS

Foot plate



Bite opening



Bite size



Bite size is etched on handles of spinal rongeurs and punches.

HANDLE STYLES



STYLE I
Ring handle
handle height: 4"



STYLE II
Kerrison Handle
handle height: 6 1/4"



STYLE III
Love-Kerrison Handle
(Cherry)
handle height: 6"



STYLE IV
Large Kerrison Handle
handle height: 6 1/4"

All KMedic spinal rongeurs and punches have bite size etched on handles for easy identification.

SPINAL RONGEURS AND PUNCHES

HANDLE STYLES



STYLE V
Small Kerrison Handle
handle height: 5"



STYLE VI
Ferris-Smith
Kerrison Ring Handle
handle height: 5"



STYLE VII
Spurling Kerrison Handle
handle height: 4¾"
Wider grip improves
comfort and control.



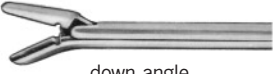


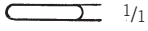








STYLE VIII
Medium Kerrison Handle
handle height: 5¼"

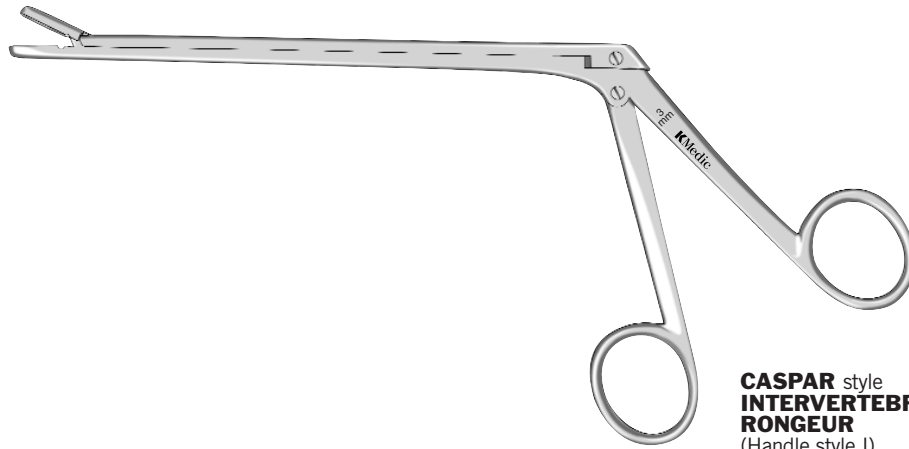
All KMedic spinal rongeurs and punches have bite size etched on handles for easy identification.
















**INTERVERTEBRAL
DISC RONGEUR**
(Handle style I)

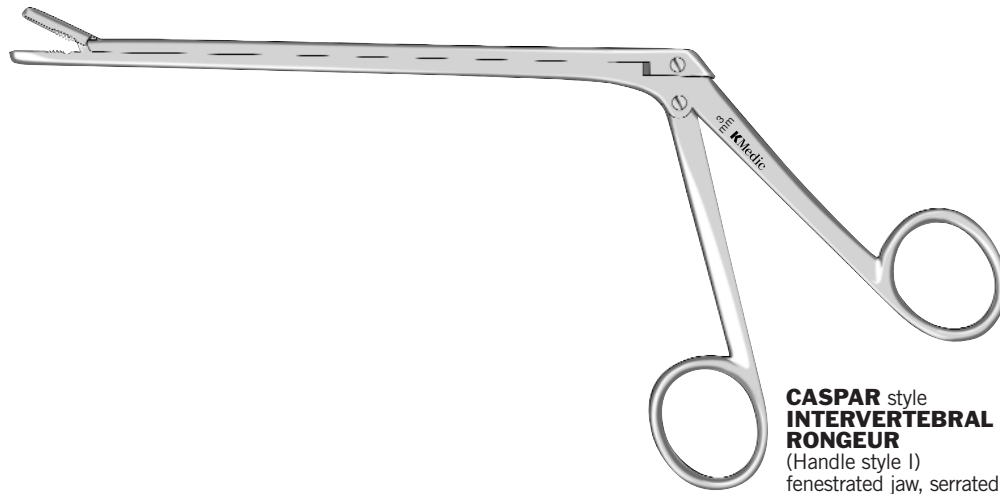
 <p>straight</p>	 <p>up angle</p>	 <p>down angle</p>
 <p>CUSHING 2x10mm bite straight</p> <p>KM 47-710 5" KM 47-730 7"</p>	 <p>2x10mm bite up angle</p> <p>KM 47-712 5" KM 47-732 7"</p>	 <p>2x10mm bite down angle</p> <p>KM 47-714 5" KM 47-734 7"</p>
 <p>LOVE-GRUENWALD 3x10mm bite straight</p> <p>KM 47-760 5" KM 47-780 7"</p>	 <p>3x10mm bite up angle</p> <p>KM 47-762 5" KM 47-782 7"</p>	 <p>3x10mm bite down angle</p> <p>KM 47-764 5" KM 47-784 7"</p>
 <p>SPURLING 4x10mm bite straight</p> <p>KM 47-800 5" KM 47-840 7"</p>	 <p>4x10mm bite up angle</p> <p>KM 47-802 5" KM 47-842 7"</p>	 <p>4x10mm bite down angle</p> <p>KM 47-804 5" KM 47-844 7"</p>

SPINAL IVD RONGEURS








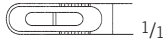
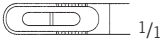

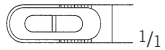
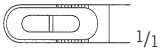



CASPAR style
INTERVERTEBRAL DISC RONGEUR
(Handle style I)

 straight	 up angle	 down angle
 1/1 2x10mm bite straight KM 55-946 6"	 1/1 2x10mm bite up angle KM 55-952 6"	 1/1 2x10mm bite down angle KM 55-940 6"
 1/1 3x10mm bite straight KM 55-947 6"	 1/1 3x10mm bite up angle KM 55-953 6"	 1/1 3x10mm bite down angle KM 55-941 6"
 1/1 4x10mm bite straight KM 55-948 6"	 1/1 4x10mm bite up angle KM 55-954 6"	 1/1 4x10mm bite down angle KM 55-942 6"
 1/1 5x10mm bite straight KM 55-949 6"		



CASPAR style
INTERVERTEBRAL DISC RONGEUR
(Handle style I)
fenestrated jaw, serrated cup
















 <p>straight</p>	 <p>up angle</p>	 <p>down angle</p>
 <p>2x12mm bite straight</p> <p>KM 55-935 6¼" KM 55-960 7¼"</p>		
 <p>3x12mm bite straight</p> <p>KM 55-936 6¼" KM 55-961 7¼"</p>	 <p>3x12mm bite up angle</p> <p>KM 55-972 7¼"</p>	 <p>3x12mm bite down angle</p> <p>KM 55-966 7¼"</p>
 <p>4x14mm bite straight</p> <p>KM 55-937 6¼" KM 55-962 7¼"</p>	 <p>4x14mm bite up angle</p> <p>KM 55-973 7¼"</p>	 <p>4x14mm bite down angle</p> <p>KM 55-967 7¼"</p>
 <p>5x14mm bite straight</p> <p>KM 55-938 6¼" KM 55-963 7¼"</p>	 <p>5x14mm bite up angle</p> <p>KM 55-974 7¼"</p>	
 <p>6x16mm bite straight</p> <p>KM 55-964 7¼"</p>		

SPINAL IVD RONGEURS



FERRIS-SMITH INTERVERTEBRAL DISC RONGEUR 7" shaft
(Handle style VI)

Ring handle lessens chance of slippage.

 <p>straight</p>	 <p>up angle</p>	 <p>down angle</p>
 <p>2x10mm bite straight KM 47-858</p>	 <p>2x10mm bite up KM 47-860</p>	 <p>2x10mm bite down KM 47-862</p>
 <p>3x10mm bite straight KM 47-864</p>	 <p>3x10mm bite up KM 47-866</p>	 <p>3x10mm bite down KM 47-868</p>
 <p>4x10mm bite straight KM 47-870</p>	 <p>4x10mm bite up KM 47-872</p>	 <p>4x10mm bite down KM 47-874</p>
 <p>6x12mm bite straight KM 47-878</p>	 <p>6x12mm bite up KM 47-873</p>	 <p>6x12mm bite down KM 47-875</p>

1/1 



PEAPOD INTERVERTEBRAL DISC RONGEUR

(Handle style I)
 5½" shaft
 KM 55-842
 2x6mm bite up angle

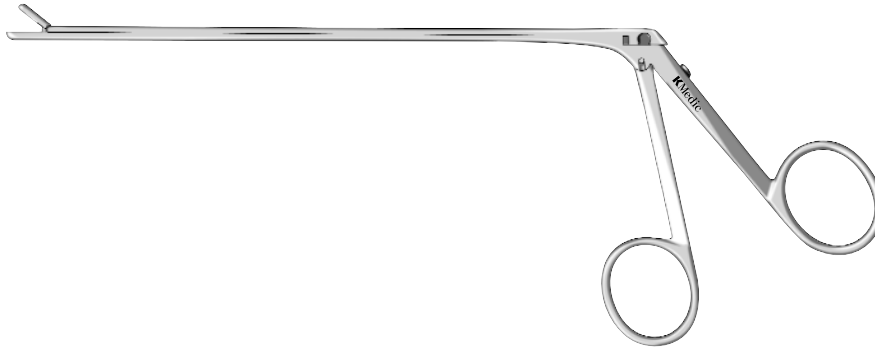
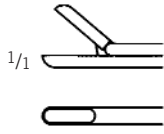
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TAKAHASHI INTERVERTEBRAL DISC RONGEUR

(Handle style I)
 5½" shaft
 KM 55-800
 3x10mm bite straight

SPINAL IVD RONGEURS



DECKER INTERVERTEBRAL DISC RONGEUR

(Handle style I)
6" shaft
KM 55-858
2x6mm bite straight



KM 47-707
small
4x9mm bite



KM 47-708
medium
5x10mm bite



KM 47-709
large
6x11mm bite



WILDE INTERVERTEBRAL DISC RONGEUR

(Handle style I)
5" shaft
fenestrated jaws straight



SELVERSTONE INTERVERTEBRAL DISC RONGEUR

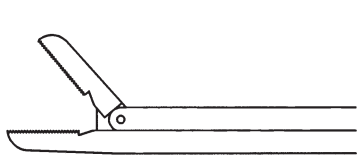
(Handle style I)
 6" shaft
 KM 55-860
 2x3mm bite straight



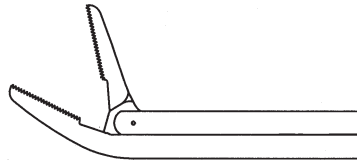
OLDBERG INTERVERTEBRAL DISC RONGEUR


(Handle style I)
 7" shaft
 KM 55-856
 6mm bite round


SPINAL IVD RONGEURS




 1/1
KM 47-700
2x10mm bite
straight



 1/1
KM 47-703
3x10mm bite
up angle

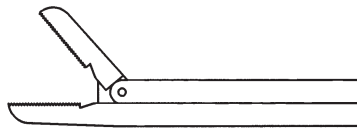
 1/1
KM 47-702
3x10mm bite
straight


 1/1
KM 47-704
4x10mm bite
straight

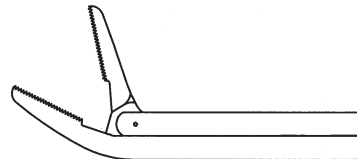



SCHLESINGER INTERVERTEBRAL DISC RONGEUR


(Handle style I)
6" shaft
serrated jaws




 1/1
KM 55-690
3x10mm bite
straight



 1/1
KM 55-693
3x10mm bite
up angle

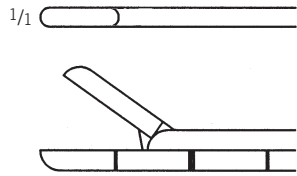
 1/1
KM 55-691
5x10mm bite
straight

 1/1
KM 55-694
5x10mm bite
up angle

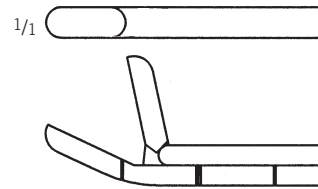


SCHLESINGER INTERVERTEBRAL DISC RONGEUR

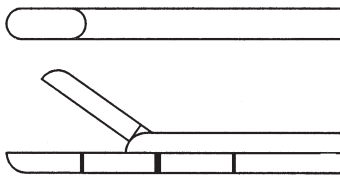
(Handle style I)
9" shaft
serrated jaws



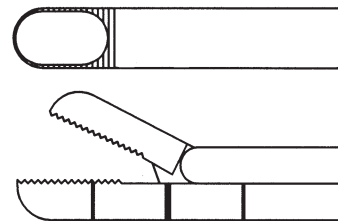
KM 55-762
2.5x10mm bite straight



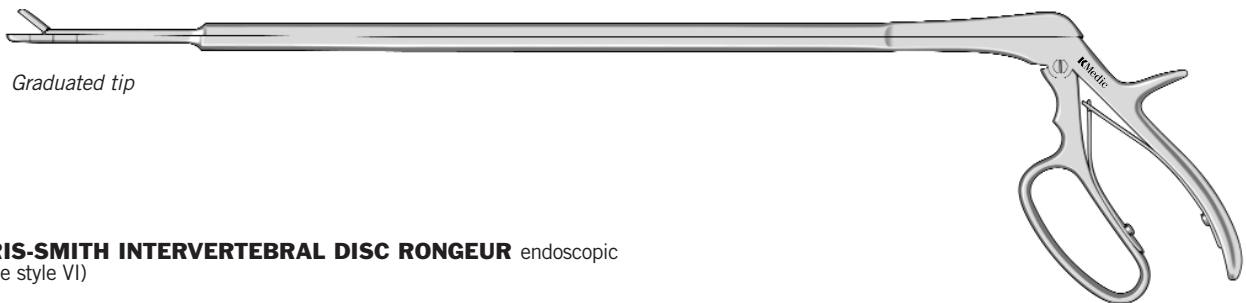
KM 55-767
4x10mm bite up angle



KM 55-763
4x10mm bite straight



KM 55-777
8x12mm bite straight, serrated



FERRIS-SMITH INTERVERTEBRAL DISC RONGEUR endoscopic
 (Handle style VI)
 20"
 3 1/4" tip length
 10 3/4" shaft length
 6" handle length
 .470" (12.0mm) shaft diameter

KMedic CleanPunch™

- The first Kerrison that can be completely cleaned—eliminating all debris between shafts
- Extremely precise cutting action—surgery proceeds smoothly
- Easily disassembles and reassembles—all parts remain connected
- A KMedic exclusive—advanced patent-pending design



In most punches, tissue and debris get trapped between the top and bottom shafts. This “buildup” is not only unsanitary; it adversely effects the functioning of the instrument. Which slows down procedures and can distract the surgeon. This problem is caused by the typical punch design...which does not allow parts to be disassembled and properly cleaned.

The KMedic CleanPunch is the first Kerrison that easily disassembles and reassembles to ensure surgeons benefit from a clean, smooth cutting action. The product of fine craftsmanship and superior technology, the CleanPunch—like all KMedic Certified Instruments—is designed and manufactured to perform impeccably.

Completely Clean

With total access to the top shaft, debris is quickly removed. Cleaning requires no scraping or “excavating”, which can damage an instrument and delay surgery.

Simple to Open and Close

To open, simply turn knob arrow to “open” and pull back the top slider. To close: align top slider and bottom shaft, push slider forward, and turn knob arrow back to “close.”

Remains in One Piece

The KMedic CleanPunch remains in one piece throughout disassembly and reassembly. Patent-pending design ensures there’s no possibility of losing or switching parts.

Ergonomic Design

The custom-designed handle has a wider grip for optimum control and comfort. In addition, it reduces fatigue and enhances concentration.

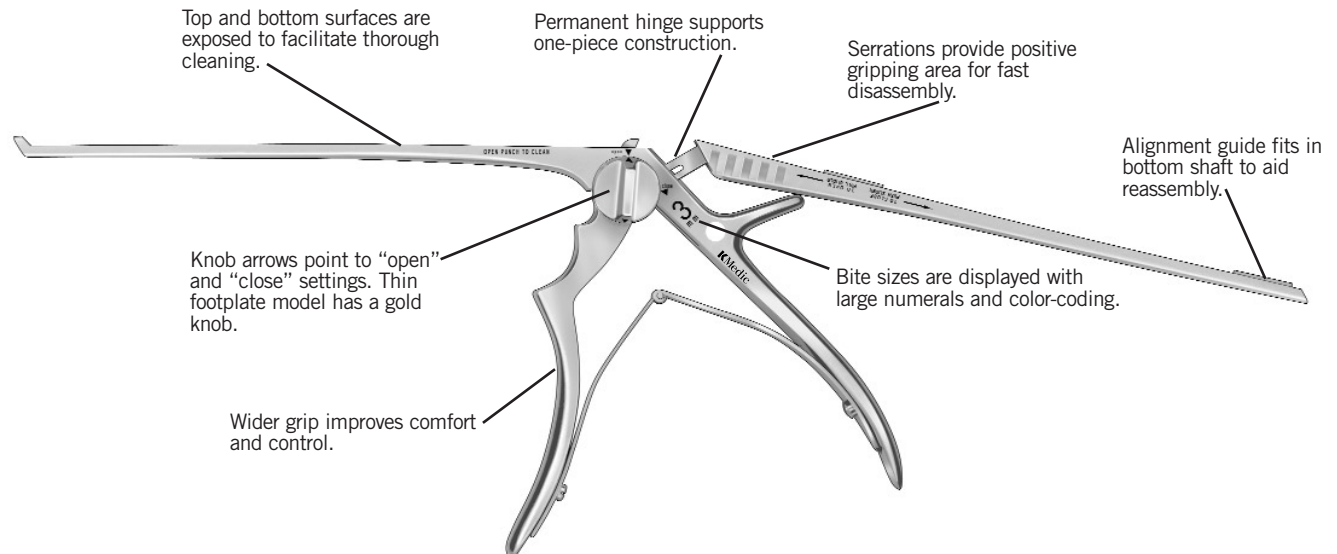
Greater Flexibility

The CleanPunch is available with regular and thin footplates, from 1 to 6mm bites. 34 combinations in all. See pages 64-65 for complete listing.

A KMedic Exclusive

The patent-pending CleanPunch conforms to the exacting standards that distinguish all KMedic Certified Instruments. Look to KMedic for new and innovative solutions for spinal procedures.

KMedic CleanPunch™



Features and benefits:

- Patent-pending design enables the instrument to be completely cleaned, eliminating the "buildup" of bone, tissue and fluids that cause sticking and resistance to action.
- Provides a consistently smooth cutting action.
- Eliminates distractions that interrupt a surgeon's concentration required in delicate spinal procedures.
- Instant identification enables surgeons to quickly locate the right bite size. (Large, legible mm sizes are etched on handles, as well as color coded.)

Color coded for instant bite size recognition

- 1mm - Red
- 2mm - Blue
- 3mm - Yellow
- 4mm - Black
- 5mm - Green
- 6mm - White

Cleaning the KMedic CleanPunch™

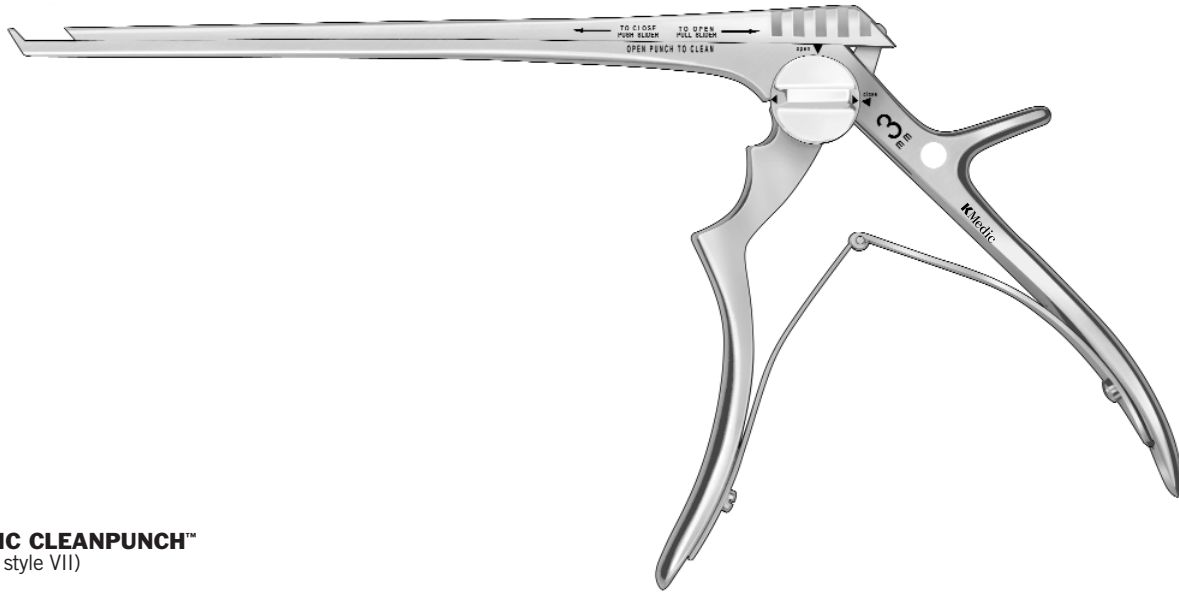
To open:

1. Turn knob to "open" position (align arrows).
2. Hold top slider on serrations and pull back.
3. Clean interior surfaces.

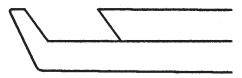
To close:

1. Put knob in "open" position.
2. Align guides on top slider.
3. Push top slider forward until it clicks into place.
4. Turn knob to "close" position.
5. Test for proper functioning.

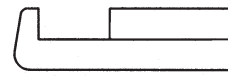
SPINAL PUNCHES













KMEDIC CLEANPUNCH™
(Handle style VII)
7" shaft



Forward 40° Thin Footplate

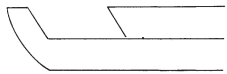


Up 90° Thin Footplate

 1/16 1mm bite forward KM 59-151 thin footplate	 1/16 1mm bite up KM 59-152 thin footplate
 1/8 2mm bite forward KM 59-154 thin footplate	 1/8 2mm bite up KM 59-155 thin footplate
 3/16 3mm bite forward KM 59-156 thin footplate	 3/16 3mm bite up KM 59-157 thin footplate
 1/4 4mm bite forward KM 59-159 thin footplate	 1/4 4mm bite up KM 59-160 thin footplate
 5/16 5mm bite forward KM 59-162 thin footplate	 5/16 5mm bite up KM 59-163 thin footplate















KMEDIC CLEANPUNCH™
(Handle style VII)
7" shaft



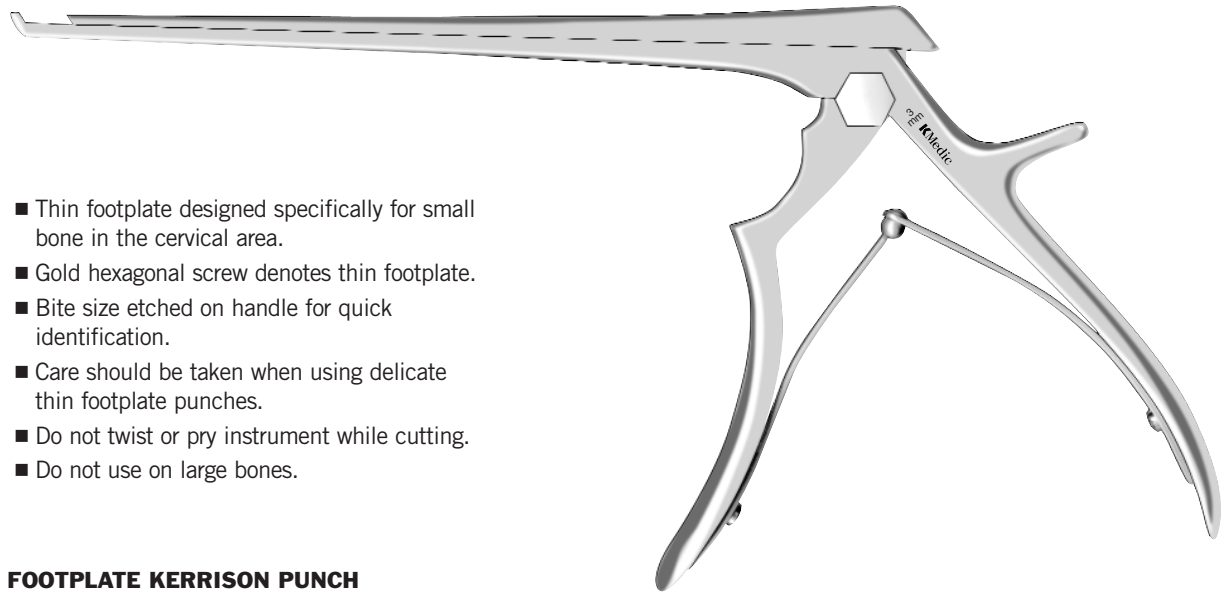
Forward 40° Regular Footplate



Up 90° Regular Footplate

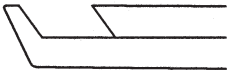
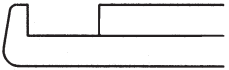
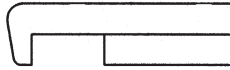















 1/1 1mm bite forward KM 59-100 regular footplate	 1/1 1mm bite up KM 59-101 regular footplate
 1/1 2mm bite forward KM 59-103 regular footplate	 1/1 2mm bite up KM 59-104 regular footplate
 1/1 3mm bite forward KM 59-106 regular footplate	 1/1 3mm bite up KM 59-107 regular footplate
 1/1 4mm bite forward KM 59-109 regular footplate	 1/1 4mm bite up KM 59-110 regular footplate
 1/1 5mm bite forward KM 59-112 regular footplate	 1/1 5mm bite up KM 59-113 regular footplate
 1/1 6mm bite forward KM 59-115 regular footplate	 1/1 6mm bite up KM 59-116 regular footplate

SPINAL PUNCHES



- Thin footplate designed specifically for small bone in the cervical area.
- Gold hexagonal screw denotes thin footplate.
- Bite size etched on handle for quick identification.
- Care should be taken when using delicate thin footplate punches.
- Do not twist or pry instrument while cutting.
- Do not use on large bones.

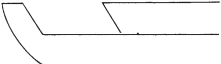
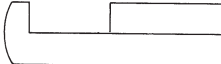
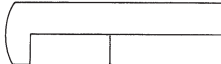
















THIN FOOTPLATE KERRISON PUNCH
(Handle style VII)

 Forward 40° Thin Footplate	 Up 90° Thin Footplate	 Down 90° Thin Footplate
 1/1 1mm bite forward KM 55-891 6" KM 55-904 7" KM 55-925 8"	 1/1 1mm bite up KM 55-905 7"	 1/1 1mm bite down KM 55-906 7"
 1/1 2mm bite forward KM 55-892 6" KM 55-908 7" KM 55-926 8"	 1/1 2mm bite up KM 55-909 7"	 1/1 2mm bite down KM 55-910 7"
 1/1 3mm bite forward KM 55-895 6" KM 55-911 7" KM 55-927 8"	 1/1 3mm bite up KM 55-912 7"	 1/1 3mm bite down KM 55-913 7"
 1/1 4mm bite forward KM 55-898 6" KM 55-914 7" KM 55-928 8"	 1/1 4mm bite up KM 55-915 7"	 1/1 4mm bite down KM 55-916 7"
 1/1 5mm bite forward KM 55-901 6" KM 55-917 7" KM 55-929 8"	 1/1 5mm bite up KM 55-918 7"	 1/1 5mm bite down KM 55-919 7"



Compact handle design to accommodate smaller hands.

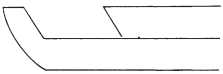
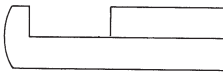
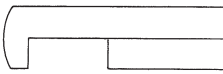











SPURLING KERRISON PUNCH
(Handle style V)

 Forward 40° Regular Footplate	 Up 90° Regular Footplate	 Down 90° Regular Footplate
 1/1 1mm bite forward KM 47-879 7"  1/1 2mm bite forward KM 47-996 7" KM 48-024 8" KM 47-685 11"	 1/1 2mm bite up KM 47-988 7" KM 48-016 8"	 1/1 2mm bite down KM 47-992 7" KM 48-020 8"
 1/1 3mm bite forward KM 47-997 7" KM 48-025 8" KM 47-686 11"	 1/1 3mm bite up KM 47-989 7" KM 48-017 8"	 1/1 3mm bite down KM 47-993 7" KM 48-021 8"
 1/1 4mm bite forward KM 47-998 7" KM 48-026 8" KM 47-687 11"	 1/1 4mm bite up KM 47-990 7" KM 48-018 8"	 1/1 4mm bite down KM 47-994 7" KM 48-022 8"
 1/1 5mm bite forward KM 47-999 7" KM 48-027 8" KM 47-688 11"	 1/1 5mm bite up KM 47-991 7" KM 48-019 8"	 1/1 5mm bite down KM 47-995 7" KM 48-023 8"
 1/1 6mm bite forward KM 47-855 7" KM 48-028 8" KM 48-029 11"	 1/1 6mm bite up KM 47-857 7"	 1/1 6mm bite down KM 47-856 7"

SPINAL PUNCHES




LOVE-KERRISON LAMINECTOMY PUNCH
 (Handle style IV) Large Handle

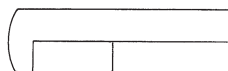
 Forward 40° Regular Footplate	 Up 90° Regular Footplate	 Down 90° Regular Footplate
 2mm bite forward KM 47-676 8"		
 3mm bite forward KM 47-670 6" KM 47-678 8"	 3mm bite up KM 47-644 6" KM 47-652 8"	 3mm bite down KM 47-648 6" KM 47-656 8"
 4mm bite forward KM 47-680 8"	 4mm bite up KM 47-645 6" KM 47-853 8"	 4mm bite down KM 47-649 6" KM 47-657 8"
 5mm bite forward KM 47-674 6" KM 47-682 8"	 5mm bite up KM 47-646 6" KM 47-654 8"	 5mm bite down KM 47-650 6" KM 47-658 8"
 6mm bite forward KM 47-689 11"		




up bite
regular footplate


 $\frac{1}{1}$
3mm bite up
KM 47-610

 $\frac{1}{1}$
5mm bite up
KM 47-612



down bite
regular footplate

 $\frac{1}{1}$
3mm bite down
KM 47-614

 $\frac{1}{1}$
5mm bite down
KM 47-616



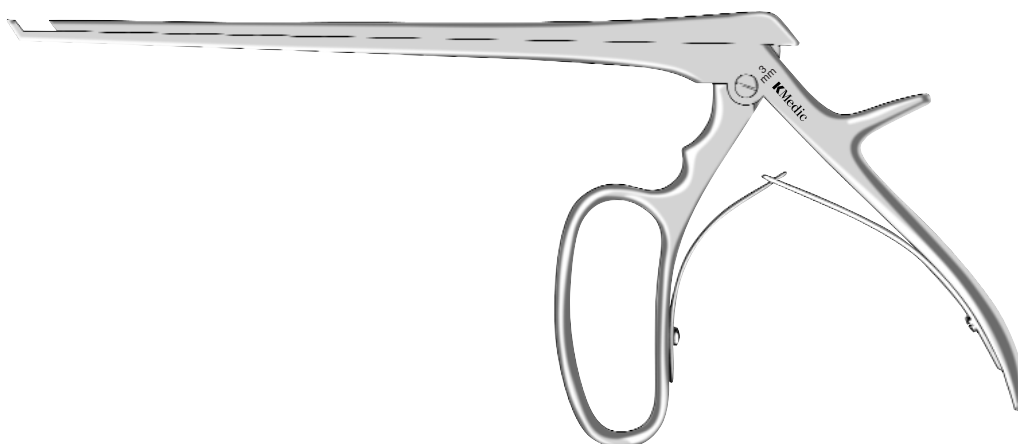
SCHLESINGER CERVICAL LAMINECTOMY PUNCH
(Handle style IV Large Handle)
6" shaft
Regular footplate



forward 40°
regular footplate

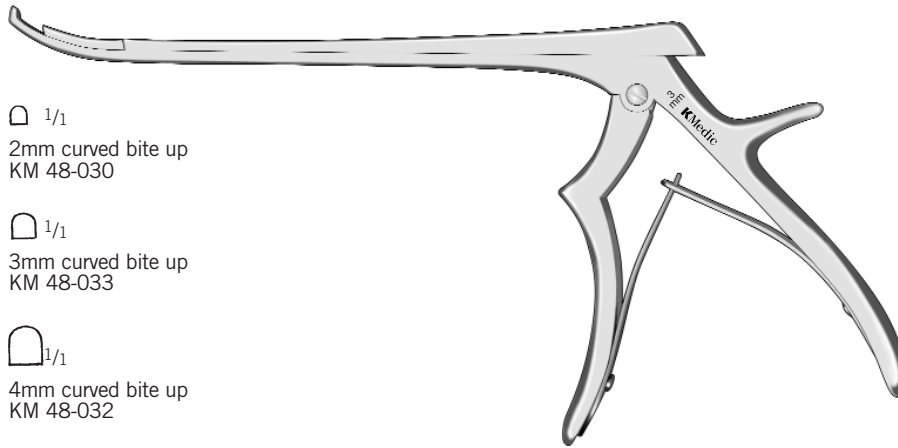
 $\frac{1}{1}$
3mm bite
KM 55-813 7"
KM 55-823 8"


 $\frac{1}{1}$
5mm bite
KM 55-815 7"
KM 55-825 8"





FERRIS SMITH KERRISON PUNCH
(Handle style VI)
Regular footplate

SPINAL PUNCHES



 1/1
2mm curved bite up
KM 48-030

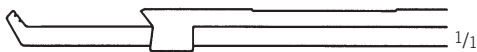
 1/1
3mm curved bite up
KM 48-033


 1/1
4mm curved bite up
KM 48-032


FORAMENOTOMY PUNCH

(Handle style V)
8" shaft
Regular footplate

Fenestrated upper shaft ejects cut pieces of bone and tissue.



 1/1
2mm bite forward
KM 55-980

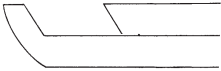
 1/1
3mm bite forward
KM 55-981




MULTI-BITE KERRISON PUNCH

(Handle style VIII)
7" shaft
Delicate thin footplate
For cervical use only

Compact handle design to accommodate smaller hands.



Regular footplate
Forward 40°

 1/1
2mm bite
KM 47-685

 1/1
3mm bite
KM 47-686

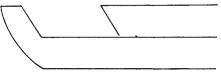
 1/1
4mm bite
KM 47-687

 1/1
5mm bite
KM 47-688

 1/1
6mm bite
KM 48-029



SPURLING KERRISON PUNCH
(Handle style V)
11" shaft
Regular footplate



Regular footplate
Forward 40°

 1/1



LOVE-KERRISON LAMINECTOMY PUNCH
(Handle style IV) Large Handle
KM 47-689
11" shaft
6mm bite forward
Regular footplate



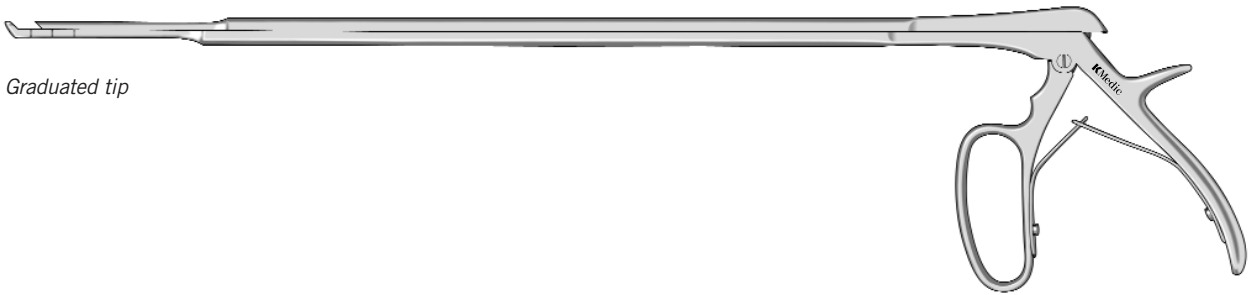
KM 55-788
2.5mm bite forward
forward 40°



KM 55-790
4mm bite forward
forward 40°

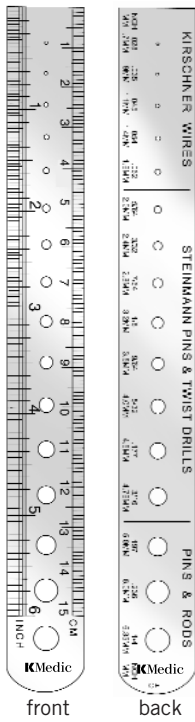


KM 55-782
4mm bite down
down 90°



Graduated tip

FERRIS-SMITH KERRISON PUNCH endoscopic
20"
3 1/4" tip length
10 3/4" shaft length
6" handle length
.470" (12.0mm) shaft diameter
Regular footplate



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

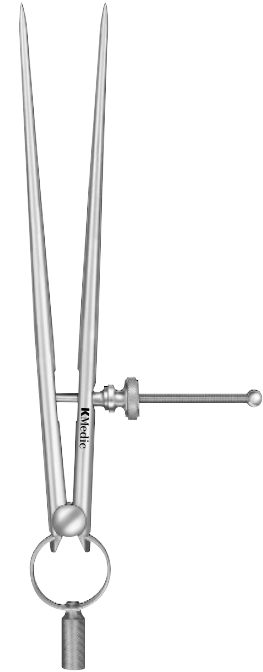
K-WIRE RULER AND PIN GAUGE

KM 39-710
6" length
inch and mm graduated



LARGE SCREW DEPTH GAUGE

KM 47-940
8 3/4"
up to 100mm



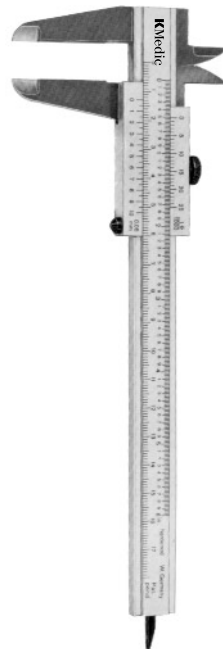
BONE COMPASS

KM 48-302
8"



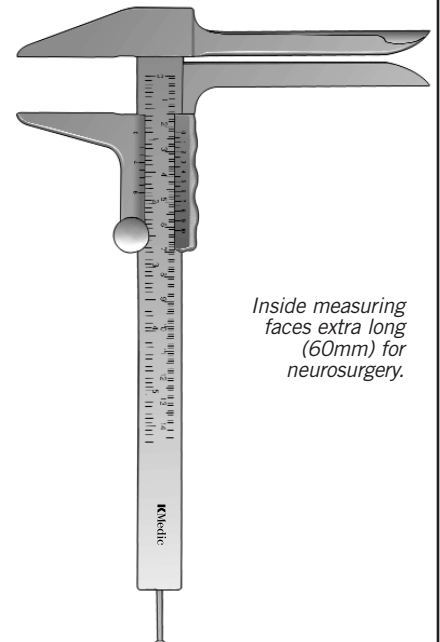
CASTROVIEJO CALIPER

KM 53-042
6 1/2"
mm graduated up to 40mm



ALUMINUM CALIPER

KM 48-312
9 1/8"
inch and mm graduated up to 6" (180mm)
inside and outside measuring faces and depth bar



Inside measuring faces extra long (60mm) for neurosurgery.

NEURO-CALIPER

KM 48-315
9" stainless steel
inch/mm graduated up to 5 3/4" (145mm)
inside and outside measuring faces and depth bar

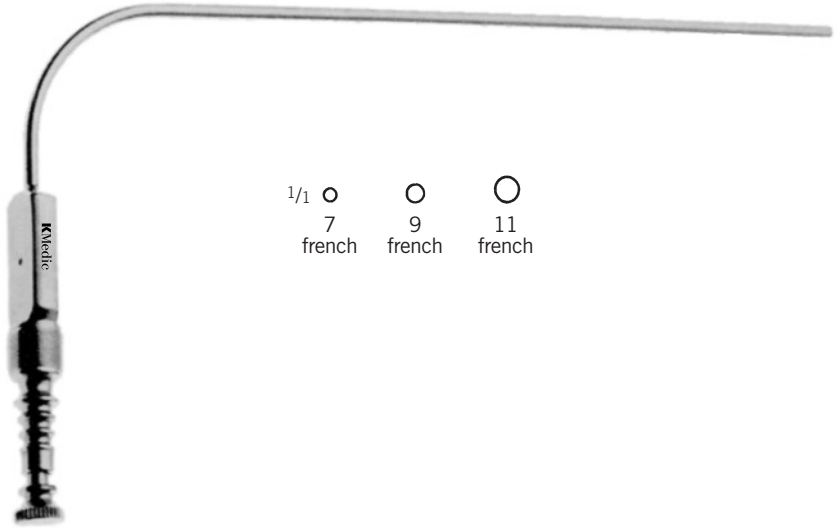
SUCTION TUBES



1 french = .33mm

FRAZIER SUCTION TUBE 7"

- KM 42-823 6 french
- KM 42-824 7 french
- KM 42-825 8 french
- KM 42-826 10 french
- KM 42-830 12 french



- 1/1  7 french
-  9 french
-  11 french

FRAZIER SUCTION TUBE angled

- KM 42-863 4 1/2" 7 french
- KM 42-864 4 1/2" 9 french
- KM 42-866 4 1/2" 11 french
- KM 42-873 7 1/2" 7 french
- KM 42-874 7 1/2" 9 french
- KM 42-876 7 1/2" 11 french



- 1/1  7 french
-  9 french

Teardrop opening allows surgeon to regulate force of suction.

- KM 42-880 6 1/4" 4 french
- KM 42-881 6 1/2" 5 french
- KM 42-882 6 1/4" 6 french
- KM 42-883 6 1/4" 7 french
- KM 42-884 6 1/2" 8 french
- KM 42-885 6 1/4" 9 french
- KM 42-890 7" 4 french
- KM 42-891 7" 5 french
- KM 42-892 7" 6 french
- KM 42-893 7" 7 french
- KM 42-894 7" 8 french
- KM 42-895 7" 9 french
- KM 42-901 8" 4 french
- KM 42-902 8" 5 french
- KM 42-903 8" 6 french
- KM 42-904 8" 7 french
- KM 42-905 8" 8 french
- KM 42-906 8" 9 french

FUKUSHIMA SUCTION TUBE

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.

KIRSCHNER WIRES SMOOTH

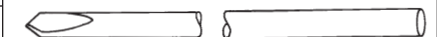
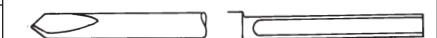
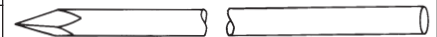
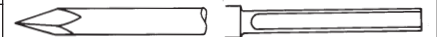
LENGTH	DIAMETER AND PRODUCT NUMBER		
	.045" (1.1mm)	.054" (1.4mm)	.062" (1.6mm)
DOUBLE END TROCAR			
4"	KM 71-102	KM 71-104	KM 71-103
5"	KM 71-107	KM 71-108	KM 71-109
6"	KM 71-023	—	KM 71-025
9"	KM 71-112	KM 71-114	KM 71-113
SINGLE TROCAR round end			
4"	KM 71-132	KM 71-133	KM 71-134
5"	KM 71-172	KM 71-174	KM 71-175
6"	KM 71-182	—	KM 71-185
9"	KM 71-152	KM 71-154	KM 71-153
DOUBLE END DIAMOND			
4"	KM 71-202	KM 71-203	KM 71-204
5"	KM 71-207	—	KM 71-209
6"	KM 71-032	—	KM 71-033
9"	KM 71-212	KM 71-214	KM 71-213
SINGLE DIAMOND round end			
9"	KM 71-242	—	KM 71-243

Drawings shown on this page are not actual size.



STEINMANN PINS SMOOTH

LENGTH	DIAMETER AND PRODUCT NUMBER						
	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)
DOUBLE END TROCAR							
9"	KM 71-450	KM 71-453	KM 71-456	KM 71-459	KM 71-462	KM 71-465	KM 71-468
SINGLE TROCAR 3 shank end							
9"	KM 71-480	KM 71-483	KM 71-486	KM 71-489	KM 71-492	KM 71-495	KM 71-498
SINGLE TROCAR round end							
9"	KM 71-510	KM 71-513	KM 71-516	KM 71-519	KM 71-522	KM 71-525	KM 71-528
DOUBLE END DIAMOND							
9"	KM 71-600	KM 71-603	KM 71-606	KM 71-609	KM 71-612	KM 71-615	KM 71-618
SINGLE DIAMOND 3 shank end							
9"	KM 71-630	KM 71-633	KM 71-636	KM 71-639	KM 71-642	KM 71-645	KM 71-648
SINGLE DIAMOND round end							
9"	KM 71-660	KM 71-663	KM 71-666	KM 71-669	KM 71-672	KM 71-675	KM 71-678

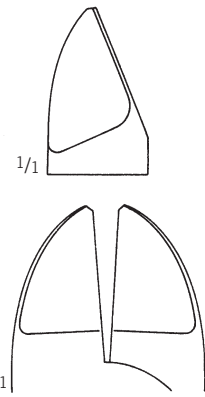
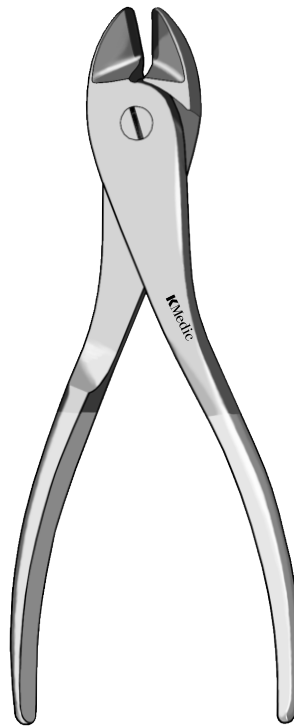


WIRE AND PIN CUTTERS



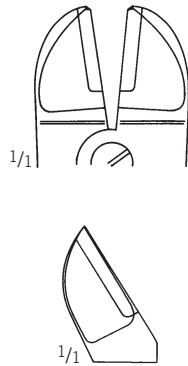
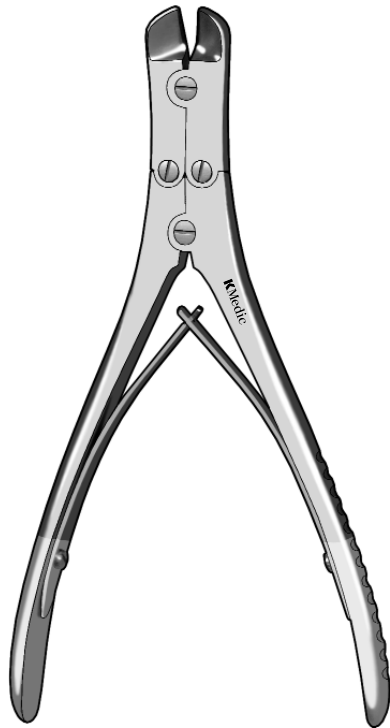
Disassembles easily for cleaning.

DIAMOND PIN CUTTER
 KM 46-651
 6 1/4" end cutting
 maximum capacity 5/64" (2.0mm)

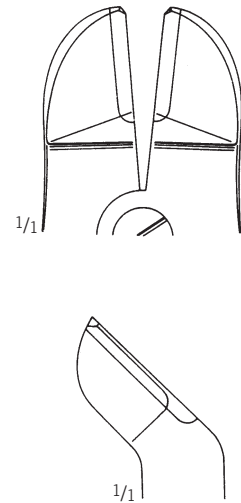


Welded carbide jaws can not be replaced.

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



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



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

Wire Cutter with Safety Inserts

Combines maximum leverage and optimum safety.



The KMedic Wire Cutter with Safety Inserts can help prevent the potentially dangerous occurrence of flying K-Wire pieces in the O.R. This instrument is designed to hold the cut piece of wire in its silicon inserts. After cutting, the remnant wire can be safely disposed of, thus preventing cut pieces from falling into the wound site or flying into the air.

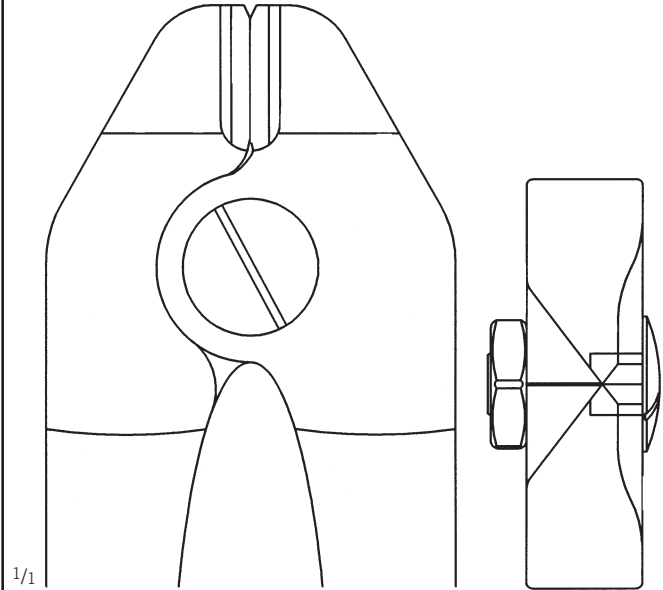
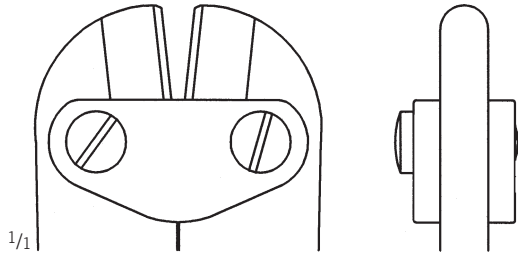
The silicon inserts are autoclavable and long-lasting. And as inserts are not glued into the jaws, replacement is fast and easy. Simply insert the new ones by pressing them into place. Inserts do not fall out or move under normal circumstances.

Patent pending design manufactured exclusively by KMedic.

WIRE CUTTER WITH SAFETY INSERTS

KM 49-740
7" front and side cutting
double action
maximum capacity .062" (1.6mm)
patent pending

KM 49-740P
set of replacement
silicon inserts



Double action handles give more power to cut pins up to 1/8" (3.2mm).

DOUBLE ACTION PIN CUTTER
 KM 49-800
 9 1/2" side cutting
 maximum capacity 1/8" (3.2mm)

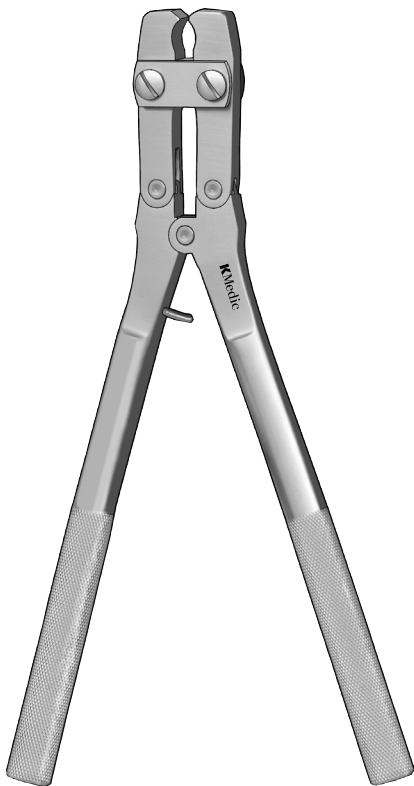
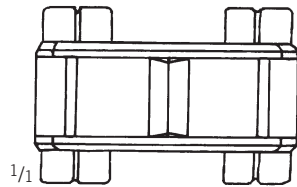
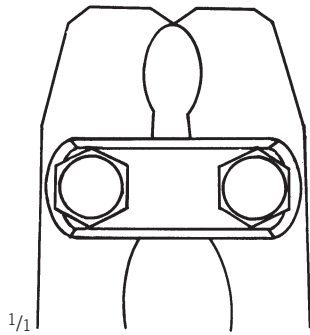


Heavy duty cutter for rods up to 5/32" (4.0mm) and heavy Steinmann pins.

Slightly angled jaws house long-lasting special carbide inserts for cutting hard titanium and stainless steel rods.

SIDE PIN CUTTER
 KM 46-629
 15" side cutting
 with carbide inserts
 maximum capacity 5/32" (4.0mm)

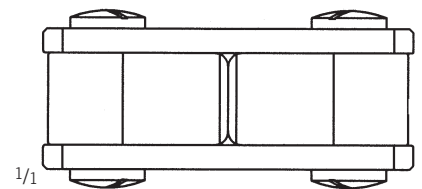
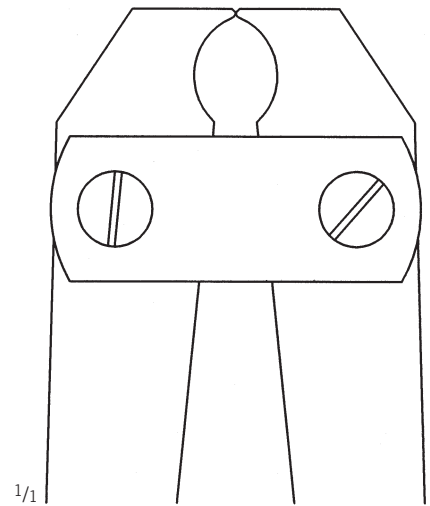
Heavy duty cutters, engineered exclusively by KMedic have replaceable jaws.



PIN CUTTER (SMALL)
 KM 46-632
 10" end cutting
 maximum capacity 1/8" (3.2mm)



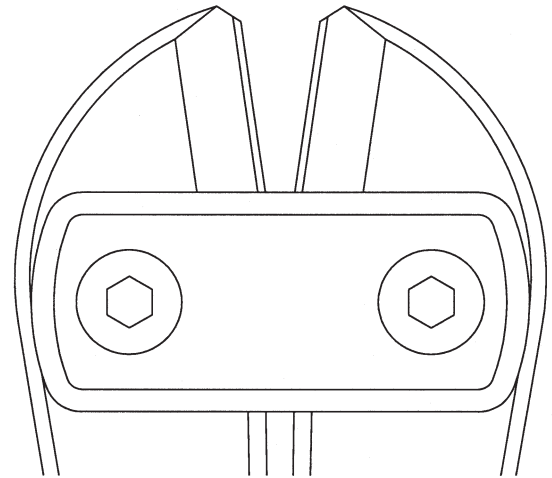
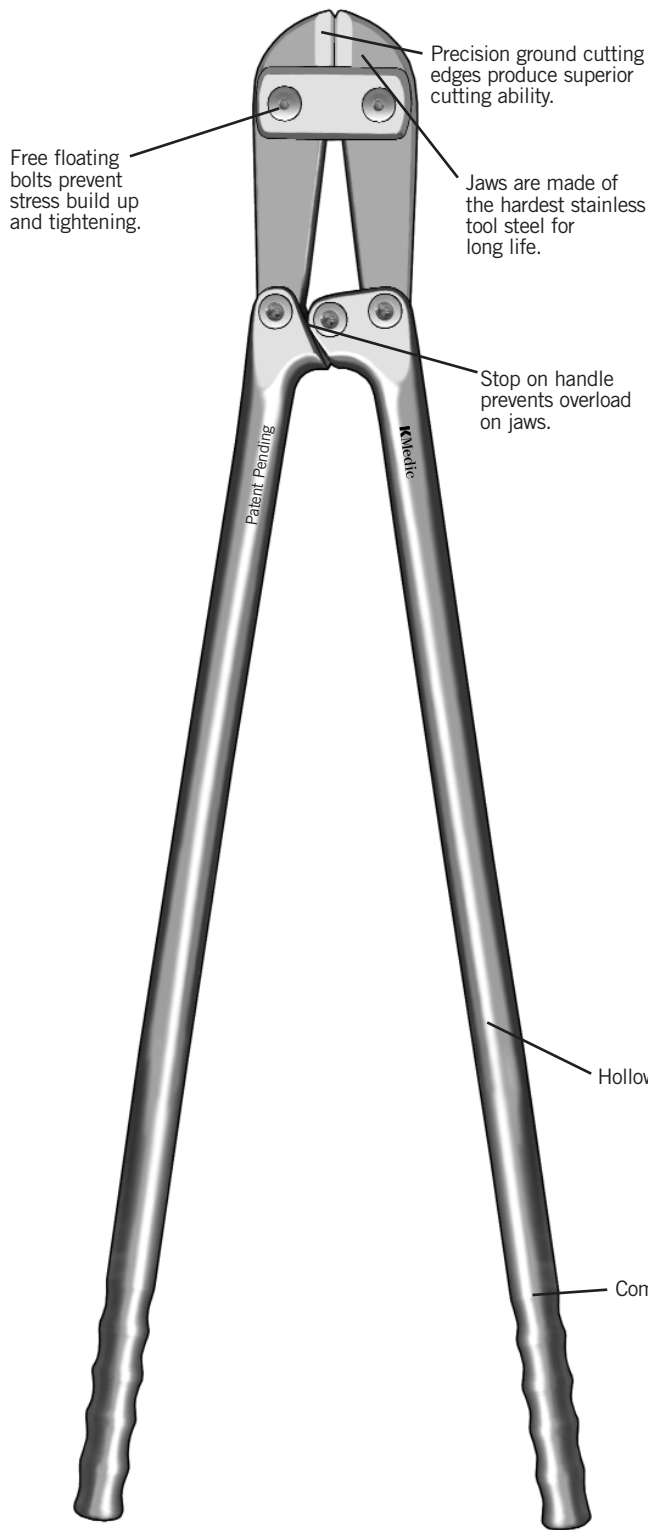
PIN CUTTER (MEDIUM)
 KM 46-633
 16" end cutting
 maximum capacity 3/16" (4.7mm)



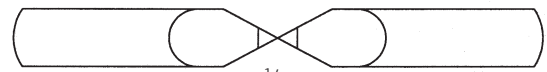
PIN AND ROD CUTTERS

Large Pin Cutter

Manufactured only by KMedic.



1/1



1/1

Precisely ground jaws are made from the hardest stainless steel available. This redesigned cutter will cut harder spinal rods for a longer period of time.

Hollow handles are strong but light.

Comfortable, non-knurled handle.

PIN CUTTER (LARGE)
 KM 46-626
 22" side cutting
 maximum capacity 1/4" (6.3mm)
 patent pending

IMPORTANT: This large cutter is not designed to be used inside the patient's body.

Table Top Rod Cutter

Provides an easy and safe way to cut spinal rods.



Powerful double-action jaws enable surgeons to cut 1/4" rods with one hand.

Shearing action cuts cleanly—no raised burrs or sharp jagged edges.

Unique cutting process can help prevent the potentially dangerous occurrence of flying rod pieces in the O.R.

Ergonomically-designed patented Ortho-Grip™ silicone handle provides a comfortable, slip-proof grip.

Base and handle are perfectly balanced to ensure stability and prevent lifting.

Simple, efficient design has no folding levers, loose parts, or bearings that can breakdown.

Cuts rods from:
4.76mm (3/16") to 6.35mm (1/4")

TABLE TOP ROD CUTTER
stainless steel with silicone handle
KM 46-628 27"

How to use the KMedic Table Top Rod Cutter:

1. Lift handle up.
2. Insert rod in proper diameter hole.
3. Press handle down.

Hand-Held Rod Cutter



All of the benefits of the table top cutter in a hand-held model.

Cuts rods from:
4.76mm (3/16") to 6.35mm (1/4")

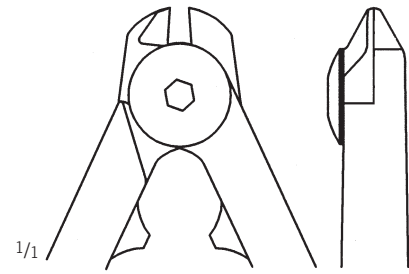
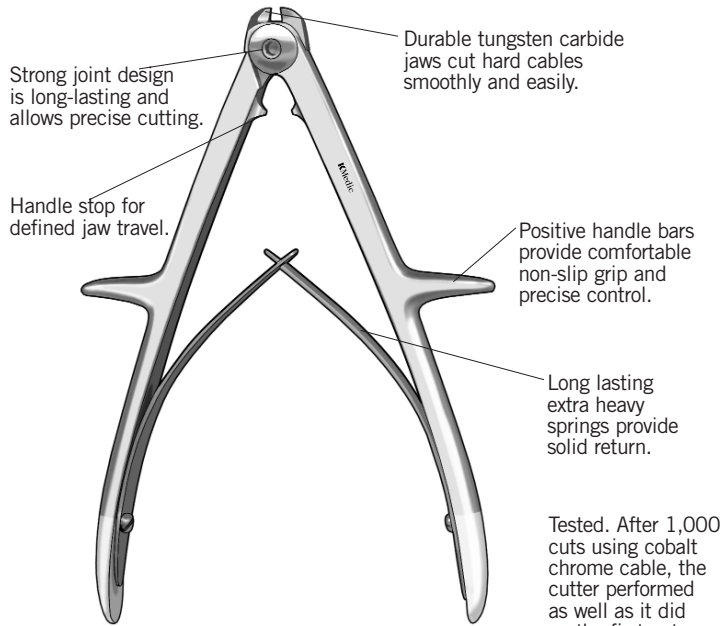
HAND-HELD ROD CUTTER
stainless steel with silicone handle
KM 46-635 27"

IMPORTANT: This large cutter is not designed to be used inside the patient's body.

CABLE CUTTER AND PLIERS

The KMedic Cable Cutter

Cuts cleanly through cables without fraying!



Small jaw design allows surgeon to get close to bone—even in tight spaces.

Jaw angle captures the cable, then cuts through all strands at once—eliminating frayed ends.

Cuts through cable with one cut—reducing risk of small cable particles falling into operating site.

CABLE CUTTER

KM 48-378

7"

maximum capacity 2.0mm cable
jaws can be resharpened and replaced

NOTE: This instrument should only be used for cutting cable. Lubricate joint to ensure proper function.



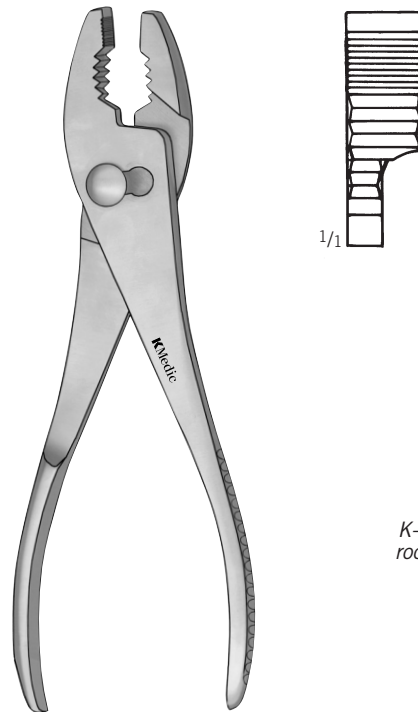
Delicate jaw tapers to 2mm. Made to twist and bend cerclage wire.

FLAT NOSE PLIERS

KM 48-248

6" delicate

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.

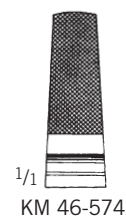
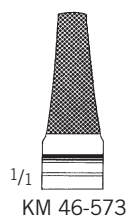
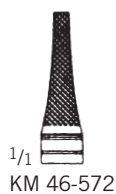
SLIP JOINT PLIERS

KM 48-262

8"

10mm tip

maximum opening 2"



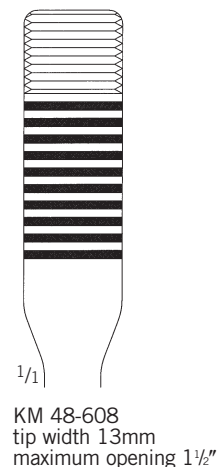
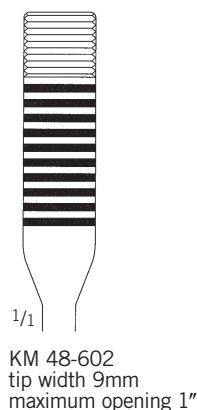
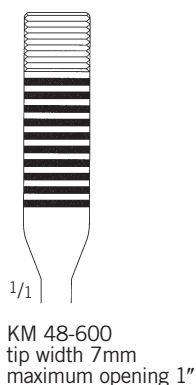
**DOUBLE ACTION
WIRE EXTRACTION PLIERS 7"**

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

- 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.

Heavy Duty Locking Pliers

With a reinforced durable jaw.



HEAVY DUTY LOCKING PLIERS

KM 48-600 6 3/4" small
KM 48-602 8" medium
KM 48-608 10" large

- Heavy duty jaws lock securely onto pins.
- Reinforced jaw hinge and housing are more rigid to help prevent side to side shifting.
- Made from 300 and 400 series surgical grade stainless steel.
- Will not chip or contaminate other instrumentation.
- Adjustment screw for easy control of jaw opening.
- One-handed, quick release self-locking lever.
- Available in three sizes.

WIRE TIGHTENERS



Useful for cerclage work in deep and restricted areas. Disassembles easily for cleaning.

LOUTE WIRE TIGHTENER

KM 46-619

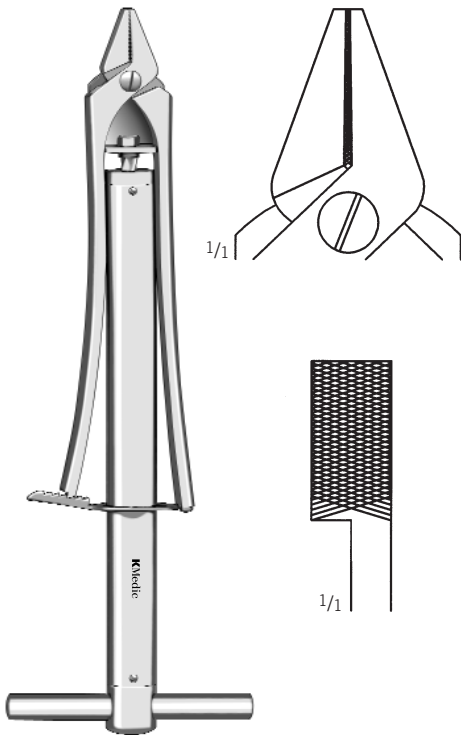
8½"

maximum capacity: 1.5mm/17 gauge cerclage wire

How to use the Loute Wire Tightener:

1. Loosen both knobs by turning counterclockwise until center pin disappears from view.
2. Pass wire around bone and feed both ends into center hole at the tip.
3. Use Wire Pulling Forceps (KM 46-637) to pull ends through and hold wire taut while pushing the instrument close to the bone.
4. Turn lower (distal) knob clockwise to lock wire in place. Then turn upper (proximal) knob clockwise to pull in remaining slack from wire.
5. Balance instrument in one hand and rotate it with the other hand until resistance is felt. Then hold tightener shaft tight and turn lower (distal) knob clockwise until wire is cut.

Note: Hold instrument straight (do not tilt) while tightening.



JET WIRE TWISTER

KM 49-810

11"

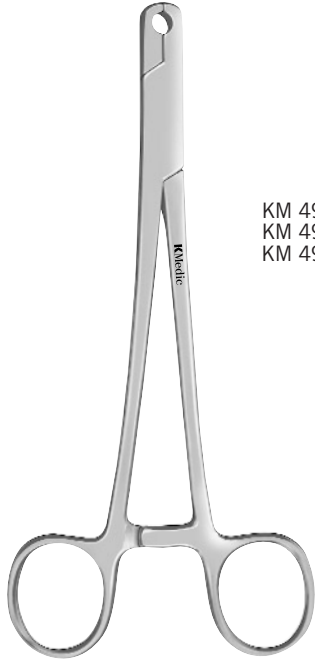
tip width 10mm

The KMedic Jet Wire Twister is designed to provide fast, smooth and even twisting of soft wire, saving time in the O.R. Now available for the first time in stainless steel. Suitable for the entire range of cerclage wire.

How to use the KMedic Jet Wire Twister:

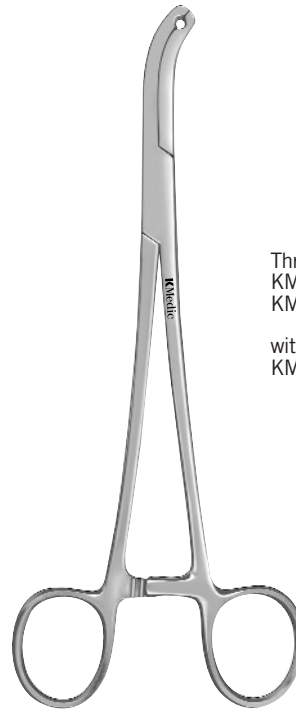
1. Wrap wire around bone and position ends next to each other.
2. Grasp both ends of wire with jaw.
3. Engage the ratchet to enforce solid clamping.
4. Stabilize wiring site.
5. Pull back on t-handle repeatedly until wire has reached desired tension.
6. Disengage ratchet.

Note: Jaws can be customized. Please contact us for details.



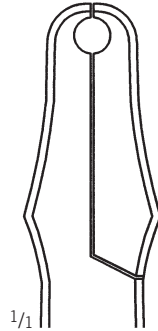
KM 49-830 holds $\frac{5}{32}$ " (4.0mm) rods
 KM 49-831 holds $\frac{3}{16}$ " (4.76mm) rods
 KM 49-832 holds $\frac{1}{4}$ " (6.35mm) rods

ROD HOLDER 7 1/4"
with ratchet

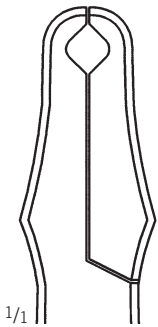


Threaded Hole
 KM 49-701 holds $\frac{5}{32}$ " (4.0mm) rods
 KM 49-702 holds $.177$ " (4.5mm) rods
 without Threaded Hole
 KM 49-706 holds $.197$ " (5.0mm) rods

ROD HOLDER 8 3/4"
with ratchet



1/1
 KM 49-850
 Holds $\frac{1}{4}$ " (6.35mm) rods
 threaded hole



1/1
 KM 49-848
 Prism holds $.197$ " (5.0mm)
 and 5.5mm rods

ROD HOLDER 10"
with ratchet



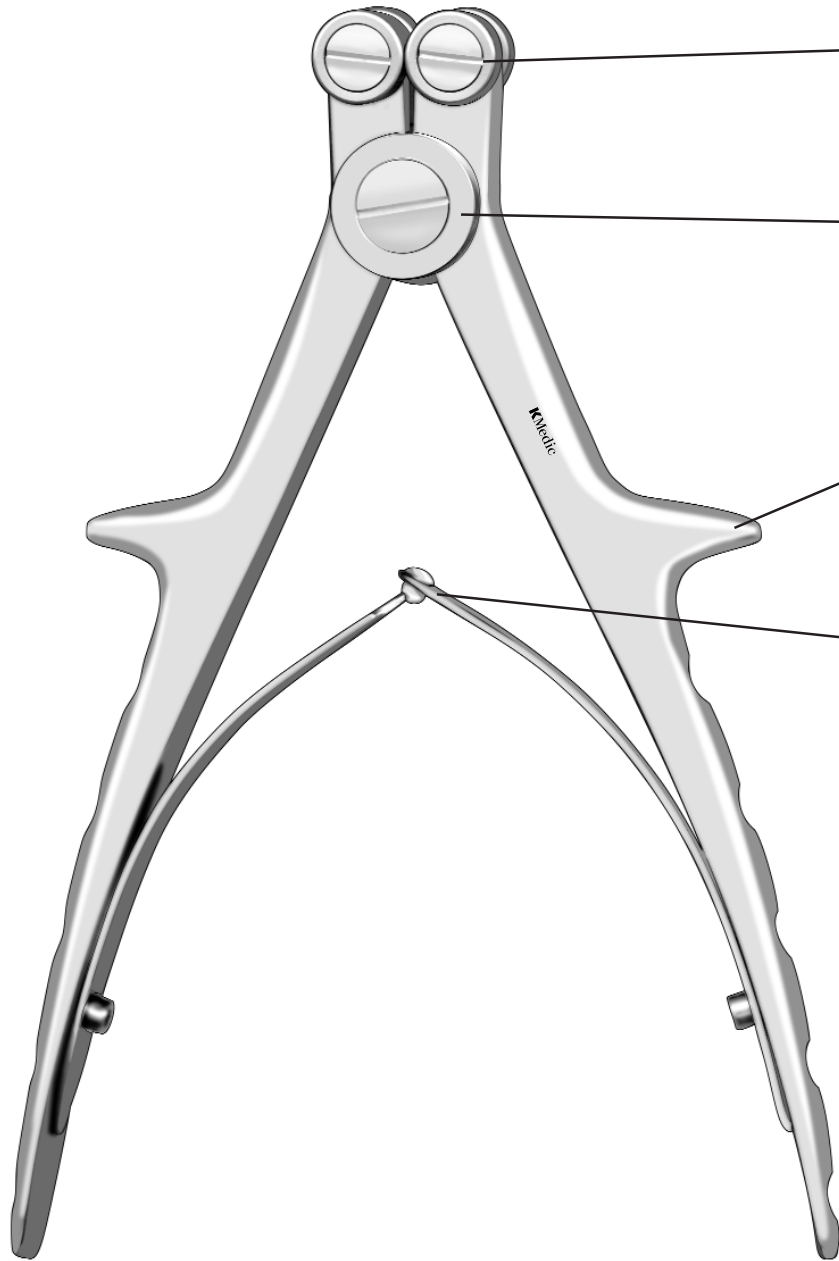
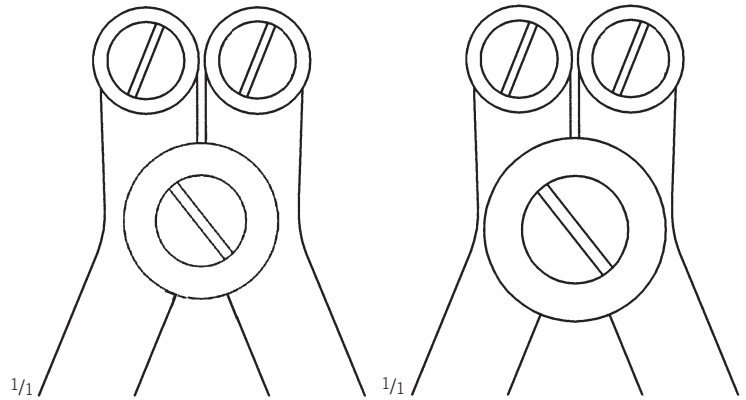
Bends $\frac{3}{16}$ " (4.76mm) rods
 KM 49-780 right
 KM 49-781 left
 Bends $\frac{1}{4}$ " (6.35mm) rods
 KM 49-782 right
 KM 49-783 left

IN SITU ROD BENDERS 13"
used in pairs

ROD BENDERS

One-Handed Rod Bender

Easily bends 3mm and 4mm rods.



Rollers and center knobs on each side are free turning.

Double sided center knob. One side for use with 3mm rods, the other side for 4mm rods.

Handle horns provide comfortable non-slip grip.

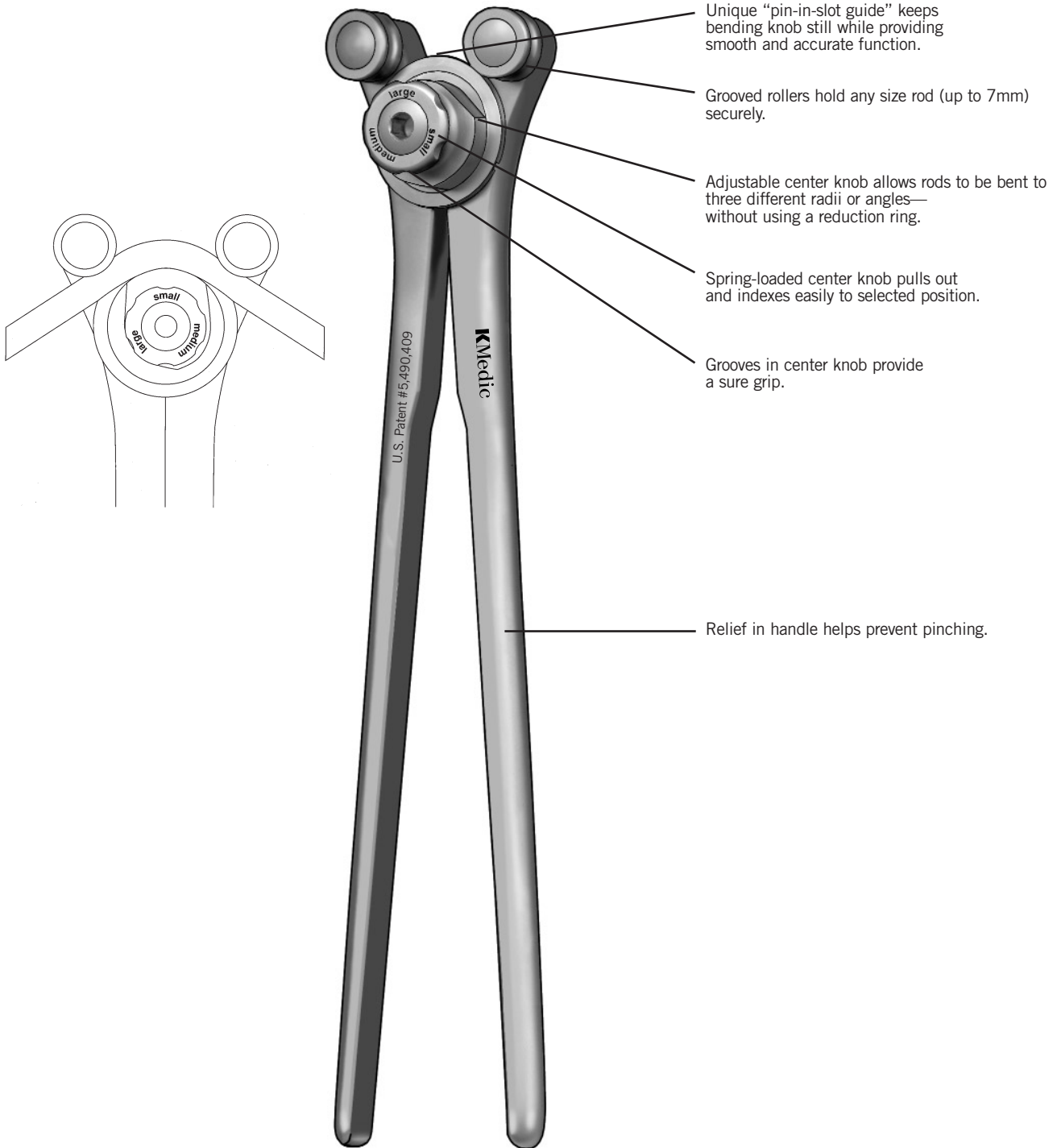
Precision ball bearing spring for smooth action.

ONE-HANDED ROD BENDER
 KM 49-812
 7½"
 for 3mm and 4mm diameter rods

Universal Rod Bender

Bends any size rod (up to 7mm) to three different angles without using a separate reduction ring.

Manufactured exclusively by KMedic.



Unique “pin-in-slot guide” keeps bending knob still while providing smooth and accurate function.

Grooved rollers hold any size rod (up to 7mm) securely.

Adjustable center knob allows rods to be bent to three different radii or angles—without using a reduction ring.

Spring-loaded center knob pulls out and indexes easily to selected position.

Grooves in center knob provide a sure grip.

Relief in handle helps prevent pinching.

UNIVERSAL ROD BENDER
 KM 46-664
 11”
 U.S. Patent #5,490,409

IMPORTANT: Before bending, make sure that rod is properly seated (ie: flat and even) on the center knob and between both roller grooves.

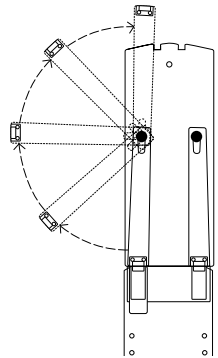
SmartRacks®

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.

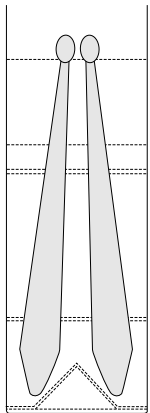
Delicate tips are protected. A plastic plate attached to the top bracket prevents metal to metal contact—even when the racks are turned upside down.



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

Nylon coated cross brackets hold instruments securely.

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



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

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

Lightweight racks for sterilization and storage

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

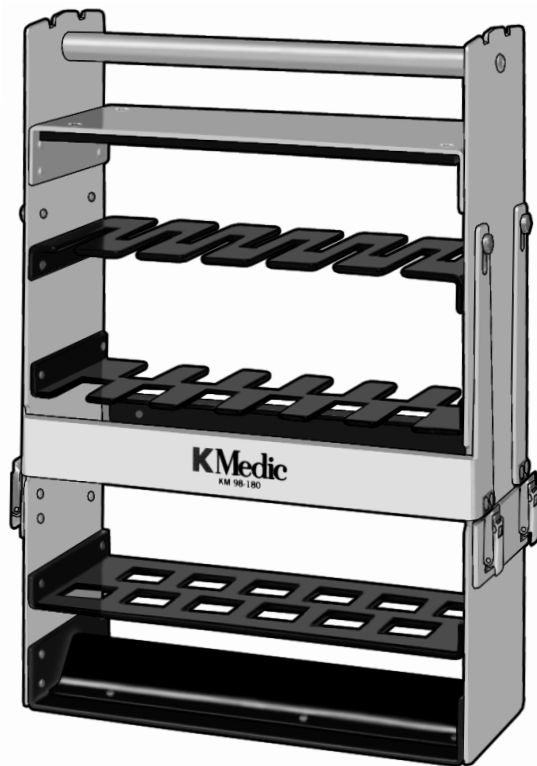
SmartRacks® are designed to hold KMedic instruments. See page 90 for detailed listing.



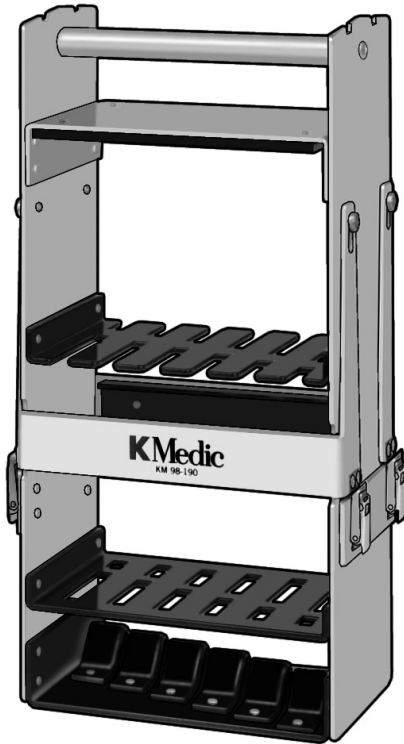
BRUN SMARTRACK®
 KM 98-160
 9¾" x 8½" x 2¾"
 Holds twelve 7" KMedic Brun Curettes



COBB SMARTRACK®
 KM 98-170
 13¾" x 14½" x 3"
 Holds nine 11" KMedic Cobb Curettes, Elevators or Gouges



HIBBS AND BRUN SMARTRACK®
 KM 98-180
 12" x 9" x 3¼"
 Holds twelve 9" KMedic Brun Curettes, Hibbs Chisels, Gouges or Osteotomes



LAMBOTTE SMARTRACK®
 KM 98-190
 11³/₄" x 6¹/₄" x 3¹/₂"
 Holds twelve 9" KMedic
 Lambotte Osteotomes



SMITH PETERSON SMARTRACK®
 KM 98-195
 11" x 10" x 4"
 Holds fourteen 8" KMedic Smith Peterson
 Osteotomes or Gouges

DESCRIPTION	INSTRUMENTS HELD IN EACH RACK
BRUN SMARTRACK® KM 98-160 9 ³ / ₄ " x 8 ¹ / ₂ " x 2 ³ / ₄ "	Twelve 7" KMedic Brun Curettes KM 46-511 thru KM 46-531
COBB SMARTRACK® KM 98-170 13 ³ / ₄ " x 14 ¹ / ₂ " x 3"	Nine 11" KMedic Cobb Curettes, Elevators or Gouges Curettes – KM 46-422 thru KM 46-441 Elevators – KM 46-413 thru KM 46-420 Gouges – KM 49-030 thru KM 49-036
HIBBS AND BRUN SMARTRACK® KM 98-180 12" x 9" x 3 ¹ / ₄ "	Twelve 9" KMedic Brun Curettes, Hibbs Chisels, Gouges or Osteotomes Brun Curettes – KM 46-551 thru KM 46-559, KM 46-563 thru KM 46-571, KM 49-110 thru KM 49-118, and KM 49-150 thru KM 49-158 Hibbs Chisels – KM 49-059 thru KM 49-082 Hibbs Gouges – KM 46-387 thru KM 46-412 Hibbs Osteotomes – KM 46-359 thru KM 46-384
LAMBOTTE SMARTRACK® KM 98-190 11 ³ / ₄ " x 6 ¹ / ₄ " x 3 ¹ / ₂ "	Twelve 9" KMedic Lambotte Osteotomes KM 46-304 thru KM 46-322 KM 46-328 thru KM 46-333
SMITH PETERSON SMARTRACK® KM 98-195 11" x 10" x 4"	Fourteen 8" KMedic Smith Peterson Osteotomes or Gouges Smith Peterson Osteotomes – KM 46-448 thru KM 46-463 Smith Peterson Gouges – KM 46-466 thru KM 46-495

MINIMALLY INVASIVE DISCECTOMY SET

KM #	Qty.	Description
KM 55-510	1	SCOVILLE CURETTE 20" 9x15mm, straight
KM 55-523	1	BRUN CURETTE 17" 3x6mm, straight
KM 55-532	1	BRUN CURETTE 17" 2x4mm, 40 degree angle
KM 55-533	1	BRUN CURETTE 17" 3x6mm, 40 degree angle
KM 55-543	1	BRUN CURETTE 20" 3x6mm, 40 degree angle
KM 55-556	1	BRUN CURETTE 20" 6x9mm, 30 degree angle
KM 55-566	1	CONE RING CURETTE 20" 6mm diameter, 30 degree angle
KM 55-573	1	CONE RING CURETTE 17" 3mm diameter, 40 degree angle
KM 55-586	1	EPSTEIN CURETTE 20" 6x9mm, 30 degree reverse angle
KM 55-593	1	EPSTEIN CURETTE 17" 3x6mm, 40 degree reverse angle
KM 55-610	1	COBB ELEVATOR 20" 6mm (¼")
KM 55-612	1	COBB ELEVATOR 20" 10mm (⅜")
KM 55-614	1	COBB ELEVATOR 20" 13mm (.490")
KM 55-620	1	COBB ELEVATOR 17" 6mm (¼")
KM 55-630	1	HIBBS GOUGE 18½" 7mm (.28"), straight
KM 55-640	1	RIB ELEVATOR 17" 9mm radius tip, 45 degree angle
KM 55-642	1	HIBBS OSTEOTOME 18½" 10mm (⅜") straight
KM 55-644	1	RIB ELEVATOR 17" 9mm radius tip, 90 degree angle
KM 55-654	1	PENFIELD ELEVATOR 15" 4mm (.16")
KM 55-662	1	NERVE PROBE 15" with ball tip, 45 degree angle
KM 55-664	1	NERVE PROBE 15" with ball tip, 90 degree angle
KM 55-676	1	BONE TAMP 17" ⅜" diameter
KM 55-762	1	FERRIS-SMITH RONGEUR 20" 2.5x10mm bite, straight
KM 55-763	1	FERRIS-SMITH RONGEUR 20" 4x10mm bite, straight
KM 55-767	1	FERRIS-SMITH RONGEUR 20" 4x10mm bite, angle up
KM 55-777	1	FERRIS-SMITH RONGEUR 20" 8x12mm bite, straight, serrated
KM 55-782	1	KERRISON PUNCH 20" 4mm bite, 90 degree down
KM 55-788	1	KERRISON PUNCH 20" 2.5mm bite, 40 degree forward
KM 55-790	1	KERRISON PUNCH 20" 4mm bite, 40 degree forward

INSTRUMENT SETS**LAMINECTOMY SET**

KM #	Qty.	Description
KM 29-059	2	SCALPEL HANDLE #3
KM 29-060	1	SCALPEL HANDLE #4
KM 29-061	1	SCALPEL HANDLE #3L
KM 29-062	1	SCALPEL HANDLE #7
KM 35-298	1	SUPER-CUT MAYO SCISSORS 6¾" curved
KM 35-382	1	SUPER-CUT METZENBAUM SCISSORS 6" curved
KM 35-394	1	SUPER-CUT METZENBAUM SCISSORS 7" curved
KM 36-178	4	CRILE FORCEPS 5½" curved
KM 36-318	2	ROCH PEAN FORCEPS 6¼" curved
KM 36-436	2	ROCH-OCHSNER FORCEPS 8" straight
KM 36-744	2	ADSON HEMOSTATIC FORCEPS 7¼" straight
KM 36-746	2	ADSON HEMOSTATIC FORCEPS 7¼" curved
KM 37-462	4	BACKHAUS TOWEL FORCEPS 5¼"
KM 37-468	6	LORNA (EDNA) TOWEL FORCEPS 5¼"
KM 38-100	1	DRESSING FORCEPS 10"
KM 38-184	2	CUSHING BAYONET DRESSING FORCEPS 7¼" serrated
KM 38-186	2	CUSHING BAYONET TISSUE FORCEPS 7¼" 1x2 teeth
KM 38-272	2	TISSUE FORCEPS 5½" 1x2 teeth
KM 39-050	2	ADSON FORCEPS 6" 1x2 teeth 1.2mm
KM 39-692	1	RULER 6" inch and mm graduated, flexible
KM 41-302	2	MAYO HEGAR NEEDLEHOLDER 6" serrated, carbide
KM 41-314	2	MAYO HEGAR NEEDLEHOLDER 8" serrated, carbide
KM 42-152	2	SAROT NEEDLEHOLDER 7½" carbide
KM 42-863	1	FRAZIER SUCTION TUBES 4½" angled, 7 french
KM 42-864	1	FRAZIER SUCTION TUBES 4½" angled, 9 french
KM 42-866	1	FRAZIER SUCTION TUBES 4½" angled, 11 french
KM 42-876	1	FRAZIER SUCTION TUBES 7½" angled, 11 french
KM 43-112	2	ALLIS TISSUE FORCEPS 6" 4x5 teeth
KM 46-667	1	ORTHOPEDIC MALLET 10½", 3 lb./2 lb.
KM 46-899	1	BONE TAMP 6", 10mm diameter, cross-serrated
KM 48-217	2	INGE RETRACTOR 6½"
KM 49-170	2	DEBAKEY ATRAUMA TISSUE FORCEPS 8", 1.5mm
KM 51-059	2	HIBBS RETRACTOR 9½", 50MM
KM 51-200	2	RICHARDSON RETRACTOR 9½", ¾" x 1"
KM 51-204	2	RICHARDSON RETRACTOR 9½", 1½" x 1½"
KM 51-372	2	U.S. ARMY RETRACTOR 8½"
KM 51-530	1	LOVE RETRACTOR 8½" straight blade
KM 51-532	1	LOVE RETRACTOR 8½" 45 degree angled blade
KM 51-534	1	LOVE RETRACTOR 8½" 90 degree angled blade
KM 52-266	2	VOLKMAN RETRACTOR 8½", 6 sharp prongs
KM 52-444	2	ADSON RETRACTOR 7½", angled 4x4 sharp prongs
KM 52-458	1	TAYLOR SPINAL RETRACTOR 7¼", 1¼" x 3"
KM 52-460	1	TAYLOR SPINAL RETRACTOR 8", 1¼" x 4"
KM 52-484	2	BECKMAN-ADSON RETRACTOR 12¼", 1"x1" blunt
KM 52-498	2	WEITLANER RETRACTOR 5½" sharp
KM 52-502	2	WEITLANER RETRACTOR 6½" sharp
KM 52-532	2	BECKMAN-WEITLANER RETRACTOR 6½", 3x4 sharp prongs
KM 53-160	1	STRABISMUS SCISSORS 4" straight
KM 53-164	1	STRABISMUS SCISSORS 4" curved
KM 55-300	1	WOODSON ELEVATOR AND SPATULA 10"
KM 55-302	1	WOODSON DURAL SEPARATOR AND PACKER 7"
KM 55-440	1	MARKHAM-MEYERDING HEMILAMINECTOMY RETRACTOR 7" left
KM 55-441	1	MARKHAM-MEYERDING HEMILAMINECTOMY RETRACTOR 7" right
KM 57-614	2	FREER ELEVATOR 7½"
KM 57-615	2	KLEINERT-KUTZ ELEVATOR/DISSECTOR 7¾"
KM 57-624	1	PENFIELD ELEVATOR 7" style 1
KM 57-626	1	PENFIELD ELEVATOR 7¾" style 2
KM 57-628	1	PENFIELD ELEVATOR 7¾" style 3
KM 57-630	1	PENFIELD ELEVATOR 8" style 4

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Ruler MM and Inches

Conversions:

Inches to MM

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

MM to Inches

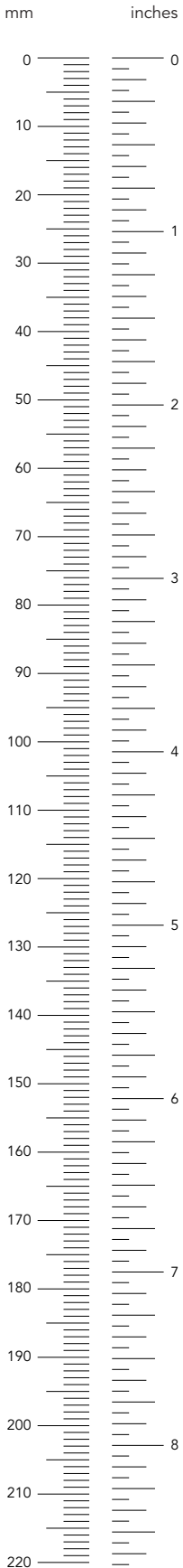
Multiply the millimeter dimension by .0394 or divide by 25.4 to obtain the size in inches.

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.

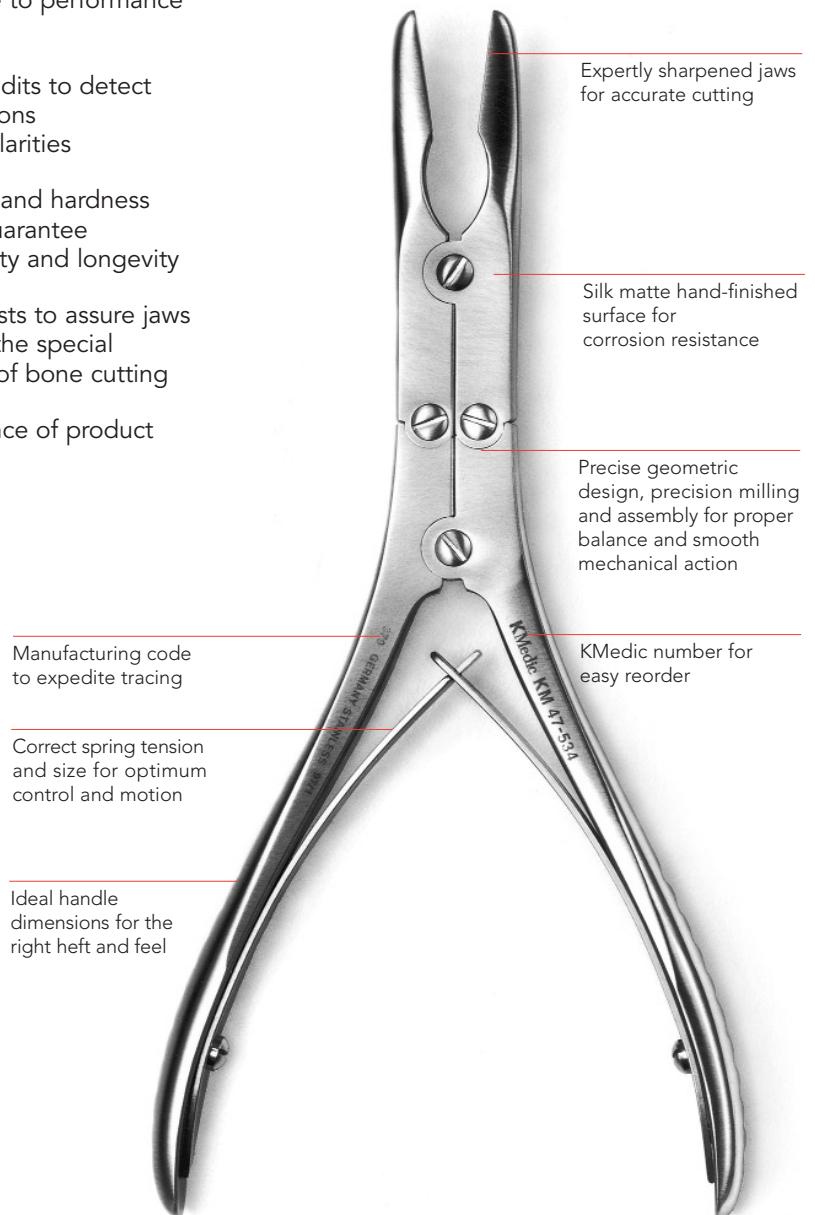
On the surface it's difficult to tell one instrument from another. But in fact, many qualities distinguish KMedic Certified Instruments from those of other manufacturers. Our instruments are the product of a working knowledge of the surgeon's art, exacting manufacturing specifications and strict adherence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



Authorized Distributor:

KMedic[®]

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Surgical
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