



INDUSTRIES
CARE WITH QUALITY



Veterinary Instruments
Catalogue

www.araind.com

About Us



About US

ARA INDUSTRIES offers production of complete range of the finest surgical instruments for all specialties:

General, Orthopaedic, Arthroscopy, Spinal surgery, Soft Tissue Surgery, Head & Neck Surgery, Ophthalmic surgery, Dental Equipment, Clinical Instruments, Instrument Care & Sterilisation.

Brief Introduction & Start up year:

ARA INDUSTRIES. Has been making surgical instruments since 1960. This is our family business and we are the 2nd generation in manufacturing business. Because of family business, we certainly have the potential to fulfill the requirement of our valued customer.

Our Aim:

ARA INDUSTRIES. will make your dreams come true.... "Care with Quality"....

Business Arena:

ARA INDUSTRIES. is the growing Medical Instruments Manufacturing Company. .We offer for you all the costumers just let us know your designs, drawing, pictures & we will manufacture instruments.

Quality Assurance Management:

We established a separate department called "Quality Assurance Management" who carefully watch all the processes concerning quality.

Quality built surgical instruments according to customers' requirements at competitive price. Total customer satisfaction from first contract to delivery with best and honest service. Investment in the appropriate machinery, best method and suitable processes.

Policy for our prospective customers:

We look forward to starting a long lasting business relationship with you based on mutual interest.

Replacement for Customer Satisfaction:

We offer our valued Business Partners 100% replacement on the defective goods with 6 month warranty. "Customer satisfaction is our priority and we think our customers are not only our customers but our business partners based on mutual interest".

Terms & Conditions



Company's Agreements.

ARA INDUSTRIES Us. believe in the highest moral value and business ethics. Once a contract is made with a customer, we execute it in its true and literal spirit to the entire satisfaction of the client. Because customer satisfaction is the most cherished reward for us.

Minimum Order.

We require a minimum order of US\$ 500 to process a delivery

Prices.

Prices are stable for one year, however, it is subject to change due to steel prices increase in the international market.

Shipping Charges.

Freight and shipping charges may be added depending on the nature of delivery unless otherwise stated.

Returns Policy.

A great deal of effort is made on packing customer order with great care, customer inspects the merchandise thoroughly for any loss or damage immediately on receipt and file claim with the forwarding agent. Concealed loss or damage must be reported within 3 days upon receipt.

Payment Terms.

We require an advance payment of 100%.

Policy for our existing customers.

ARA INDUSTRIES. Would like to thank you for continuing to stay with the best. We appreciate and pray "MAY YOUR BUSINESS SUCCEED".

Policy for our prospective customers.

We look forward to starting a long-lasting business relationship with you based on mutual interest.

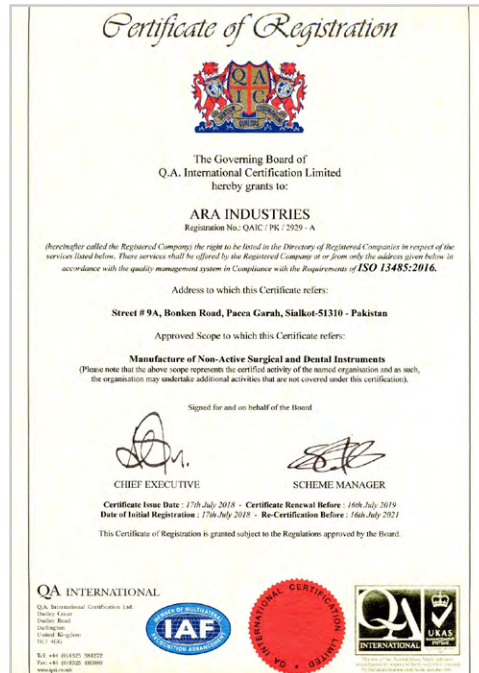
Certifications

Certifications:

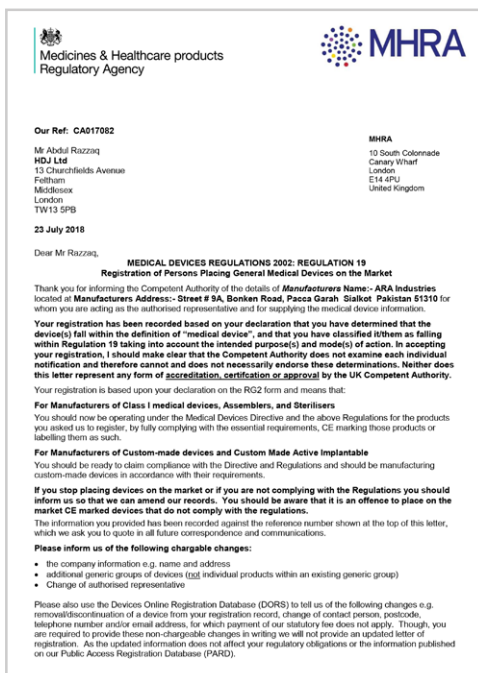
ARA INDUSTRIES proudly announce that we have achieved following to satisfy our business world.



ISO 9001:2015



ISO 13485:2016



CE MARK



cGMP

Production



These are the guidelines for our production.



Raw Materials

When choosing the best raw materials to use in the production of high-quality surgical instruments, one must attentively consider their final use in order to understand what specific features they must have.

It may sound easy, but the problem is that some of these features are in contrast with each other, thus a compromise needs to be made. The right choice in the compromise will result in higher quality instruments. Our products are the result of all the right choices we made in almost sixty years on the market. We know for sure that there are margins for improvement, thus our research goes on!



How we make them

Once the best available raw materials are chosen, they must be processed with accuracy and constancy in time to always grant a top-quality outcome.

The production cycle includes both machine automated operations and others manually carried out by personnel trained by the company itself. These are operations in which the human factor (e.g. manual ability and keen eye) are essential to give extra value to the instrument's quality. All of ARA INDUSTRIES' production stages, from the processing of raw materials to the finished product, are monitored by a computer system that ensures traceability and final quality. The proper sequence and positive conclusion of all production stages too are objects of tests and inspections by trained personnel.

Contents

02 About ARA INDUSTRIES

04 Certifications

07 General Instruments

73 Arthroscopy Instruments

84 Soft Tissue Surgery Instruments

95 Ophthalmic Surgery Instruments

113 Clinical Instruments

119 Guarantee

03 Terms & Conditions

05 Production

27 Orthopaedics Instruments

77 Spinal Instruments

90 Head And Neck Surgery Instruments

101 Dental Instruments

116 Instrument Care & Sterilisation

120 Index

How To Order

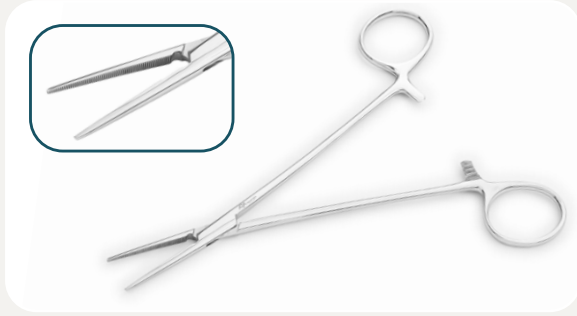
1. Choose your desired product from our extensive range or send your detailed tray list to us and we'll do the work.
2. Email araindustries1@gmail.com or call (+92) 345-2383-272 with the product codes and we will provide you with a quote.
3. Upon approval of the quote we will process your order.

General Instruments



Artery Forceps

Crile



Jaw is somewhat lighter than the more popular Spencer Wells Artery Forceps.

CRILE

- ARA-V-1 Crile Artery Forceps Str 14cm 5.5"
- ARA-V-2 Crile Artery Forceps Atraumatic Jaws Str 14cm 5.5"
- ARA-V-3 Crile Artery Forceps Str 16cm 6.5"
- ARA-V-4 Crile Artery Forceps 1/2 Teeth Str 16cm 6.5"
- ARA-V-5 Crile Artery Forceps Str 18cm 7"
- ARA-V-6 Crile Artery Forceps Cvd 14cm 5.5"
- ARA-V-7 Crile Artery Forceps Atraumatic Jaws Cvd 14cm 5.5"
- ARA-V-8 Crile Artery Forceps Cvd 16cm 6.5"
- ARA-V-9 Crile Artery Forceps Cvd 18cm 7"

Halstead Mosquito

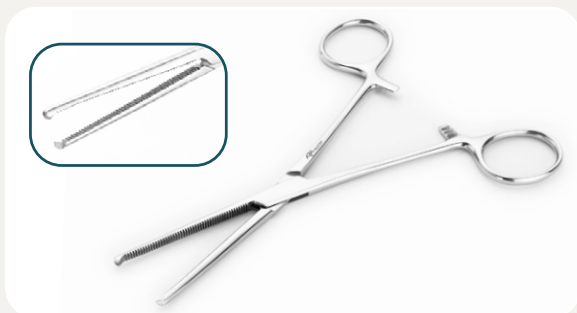


Very light but adequate for routine haemostasis in all but the largest blood vessels.

HALSTEAD MOSQUITO

- ARA-V-10 Halstead Mosquito Artery Forceps Str 10cm 4"
- ARA-V-11 Halstead Mosquito Artery Forceps Cvd 10 cm 4"
- ARA-V-12 Halstead Mosquito Artery Forceps Str 12.5cm 5"
- ARA-V-13 Halstead Mosquito Artery Forceps Cvd 12.5cm 5"
- ARA-V-14 Halstead Mosquito Artery Forceps 1/2 Teeth Str 12.5cm 5"
- ARA-V-15 Halstead Mosquito Artery Forceps 1/2 Teeth Cvd 12.5cm 5"

Kocher



Similar to Rochester Peans, but with a 1/2 toothed tip for added security.

KOCHER

- ARA-V-16 Kocher Artery Forceps Str 15cm 6"
- ARA-V-17 Kocher Artery Forceps Cvd 15cm 6"

Rochester Pean

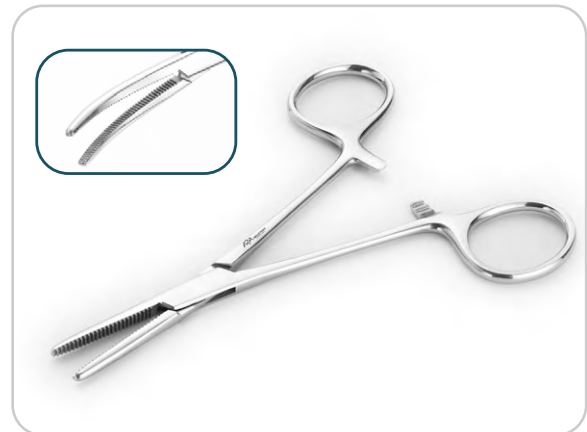


Long jaw forceps, useful as a hysterectomy clamp in cats and small/medium breed bitches.

ROCHESTER PEAN

- ARA-V-18 Rochester Pean Artery Forceps Str 14cm 5.5"
- ARA-V-19 Rochester Pean Artery Forceps Str 16cm 6.5"
- ARA-V-20 Rochester Pean Artery Forceps Str 18cm 7"
- ARA-V-21 Rochester Pean Artery Forceps Str 22cm 8.5"
- ARA-V-22 Rochester Pean Artery Forceps Cvd 14cm 5.5"
- ARA-V-23 Rochester Pean Artery Forceps Cvd 16cm 6.5"
- ARA-V-24 Rochester Pean Artery Forceps Cvd 18cm 7"
- ARA-V-25 Rochester Pean Artery Forceps Cvd 20cm 8"
- ARA-V-26 Rochester Pean Artery Forceps Cvd 22.5cm 9"

Spencer Wells



Standard veterinary artery forceps.

SPENCER WELLS

- ARA-V-27 Spencer Wells Artery Forceps Str 12.5cm 5"
- ARA-V-28 Spencer Wells Artery Forceps Str 15cm 6"
- ARA-V-29 Spencer Wells Artery Forceps Str 18cm 7"
- ARA-V-30 Spencer Wells Artery Forceps Str 20cm 8"
- ARA-V-31 Spencer Wells Artery Forceps Str 23cm 9"
- ARA-V-32 Spencer Wells Artery Forceps Str 30cm 12"
- ARA-V-33 Spencer Wells Artery Forceps Cvd 12.5cm 5"
- ARA-V-34 Spencer Wells Artery Forceps Cvd 15cm 6"
- ARA-V-35 Spencer Wells Artery Forceps Cvd 18cm 7"
- ARA-V-36 Spencer Wells Artery Forceps Cvd 20cm 8"
- ARA-V-37 Spencer Wells Artery Forceps Cvd 23cm 9"

Negus Forceps



NEGUS FORCEPS

ARA-V-38 Negus Artery Forceps Small Cvd 18cm 7"

Dieffenbach (Bulldog) Clamps



Small Cross Action Vascular Clamps. Most commonly used in soft tissue surgery.

DIEFFENBACH (BULLDOG) CLAMPS

ARA-V-39 Dieffenbach Clamp Str 5cm
ARA-V-40 Dieffenbach Clamp Cvd 5cm

Mayo Safety Pin



Use to organise artery forceps and other similar instruments.

MAYO SAFETY PIN

ARA-V-41 Mayo Safety Pin

Sponge Forceps
Ramplays Sponge Forceps



RAMPLEYS SPONGE FORCEPS

ARA-V-42 Ramplays Sponge Forceps 250mm

Tissue Forceps
Allis



ARA-V-43 Allis 2/3 Teeth 15cm 6"



ARA-V-46 Allis 4/5 Teeth 15cm 6"



ARA-V-47 Allis 5/6 Teeth 15cm 6"



ARA-V-48 Allis 6/7 Teeth 15cm 6"

General purpose tissue forceps.

ALLIS

- ARA-V-43 Allis 2/3 Teeth 15cm 6"
- ARA-V-44 Allis 3/4 Teeth 15cm 6"
- ARA-V-45 Allis 3/4 Teeth 18cm 7"
- ARA-V-46 Allis 4/5 Teeth 15cm 6"
- ARA-V-47 Allis 5/6 Teeth 15cm 6"
- ARA-V-48 Allis 6/7 Teeth 15cm 6"
- ARA-V-49 Baby Allis 4/5 Teeth 13cm 5"

Babcock



An alternative to Allis's. Less traumatic but less grip.

BABCOCK

- ARA-V-50 Babcock 16.5cm 6.5"
- ARA-V-51 Babcock 18cm 7"
- ARA-V-52 Babcock 20cm 8"
- ARA-V-53 Babcock 23cm 9"

Youngs Tongue Forceps



YOUNGSTONGUE FORCEPS

- ARA-V-54 Youngs Tongue Forceps 170mm

Surgical Scissors

Surgical Scissors are typically either one of two designs. The Mayo is the general purpose Surgical Scissor in which the blade occupies approximately one third of the length of the scissor. The 14cm straight Mayo is the standard veterinary Surgical Scissor. The Metzenbaum is a finer lighter Scissor in which the blade occupies approximately one quarter of the scissor length. Using a 14.5cm Metzenbaum rather than a 14cm Mayo will give you a finer scissor but a similar working distance.

Each style of Scissor is available in four different qualities which vary according to blade construction and cutting characteristics. They can be identified by handle colour.

- Standard Stainless
- Supercut Black
- Tunsten Carbide Gold
- Supercut T.C. Black & Gold

Surgical Scissor - Mayo



MAYO-STANDARD

- ARA-V-55 Mayo Chamf Blades Str 14cm 5.5"
- ARA-V-56 Mayo Chamf Blades Str Left Handed 14cm 5.5"
- ARA-V-57 Mayo Chamf Blades Str 16.5cm 6.5"
- ARA-V-58 Mayo Chamf Blades Str 19cm 7.5"
- ARA-V-59 Mayo Chamf Blades Str 21.5cm 8.5"
- ARA-V-60 Mayo Chamf Blades Cvd 14cm 5.5"
- ARA-V-61 Mayo Chamf Blades Cvd 16.5cm 6.5"
- ARA-V-62 Mayo Chamf Blades Cvd 19cm 7.5"
- ARA-V-63 Mayo Chamf Blades Cvd 21.5cm 8.5"

Surgical Scissor - Metzenbaum



METZENBAUM-STANDARD

- ARA-V-64 Metzenbaum Scissor Str 14.5cm 5.75"
- ARA-V-65 Metzenbaum Scissor Str 15cm 6"
- ARA-V-66 Metzenbaum Scissor Str 18cm 7"
- ARA-V-67 Metzenbaum Scissor Str Left Handed 18cm 7"
- ARA-V-68 Metzenbaum Scissor Str 20.5cm 8"
- ARA-V-69 Metzenbaum Scissor Str 23cm 9"
- ARA-V-70 Metzenbaum Scissor Cvd 14.5cm 5.75"
- ARA-V-71 Metzenbaum Scissor Cvd 18cm 7"
- ARA-V-72 Metzenbaum Scissor Cvd 20.5cm 8"
- ARA-V-73 Metzenbaum Scissor Cvd 23cm 9"

Surgical Scissor - Supercut



One blade is sharpened to a tapered edge which greatly enhances the ability of the scissor to slice through tissues. The standard scissor has much more of a crushing action. Identified by having black handles.

SURGICAL SCISSOR - SUPERCUT

- ARA-V-74 Mayo Supercut Str 14cm 5.5"
- ARA-V-75 Mayo Supercut Cvd 14cm 5.5"
- ARA-V-76 Metzenbaum Supercut Str 14.5cm 5.75"
- ARA-V-77 Metzenbaum Supercut Cvd 14.5cm 5.75"
- ARA-V-78 Metzenbaum Supercut Str 18cm 7"
- ARA-V-79 Metzenbaum Supercut Cvd 18cm 7"

Surgical Scissors - Tungsten Carbide



Tungsten carbide cutting edges give long service life between sharpening. Gold handles distinguish these from standard scissors.

SURGICAL SCISSORS - TUNGSTEN CARBIDE

- ARA-V-80 Mayo Clinical Hard Edge Str 15cm 6"
- ARA-V-81 Mayo Clinical Hard Edge Str 18cm 7"
- ARA-V-82 Mayo Clinical Hard Edge Cvd 15cm 6"
- ARA-V-83 Mayo Clinical Hard Edge Cvd 18cm 7"
- ARA-V-84 Metzenbaum Hard Edge Str 14.5cm 5.75"
- ARA-V-85 Metzenbaum Hard Edge Str 18cm 7"
- ARA-V-86 Metzenbaum Hard Edge Str 23cm 9"
- ARA-V-87 Metzenbaum Hard Edge Cvd 14.5cm 5.75"
- ARA-V-88 Metzenbaum Hard Edge Cvd 18cm 7"
- ARA-V-89 Metzenbaum Hard Edge Cvd 23cm 9"
- ARA-V-90 Metzenbaum Hard Edge Cvd 35cm 14"

Surgical Scissor - Supercut TC

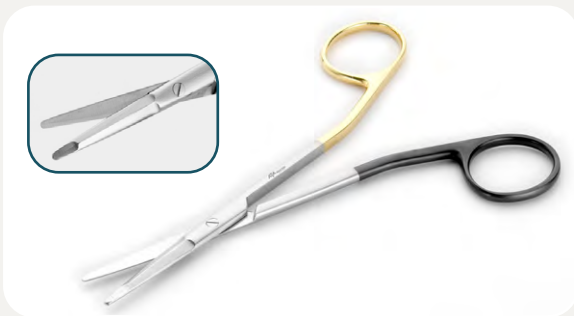


Combining the hard wearing characteristics of tungsten carbide with supercut tapered edges to provide a very fine cut and long interval between sharpening.

SURGICAL SCISSOR - SUPERCUT TC

- ARA-V-91 Mayo Supercut T.C. Str 14cm 5.5"
- ARA-V-92 Mayo Supercut T.C. Cvd 14cm 5.5"
- ARA-V-93 Metzenbaum Supercut T.C. Str 14.5cm 5.75"
- ARA-V-94 Metzenbaum Supercut T.C. Cvd 14.5cm 5.75"
- ARA-V-95 Metzenbaum Supercut T.C. Str 18cm 7"
- ARA-V-96 Metzenbaum Supercut T.C. Cvd 18cm 7"

Cosmetic Surgeon Scissors



Favoured by human cosmetic surgeons, these scissors have very fine razor sharp blades with tungsten carbide inserts for long life. They have a beautiful action and a place in veterinary surgery where precise cutting is required, especially for fine skin.

COSMETIC SURGEON SCISSORS WITH 'OPEN' SHANKS

- ARA-V-97 Cosmetic Surgeon Scissors T.C. Str 15cm 6"
- ARA-V-98 Cosmetic Surgeon Scissors T.C. Cvd 15cm 6"

Iris Scissors



A useful general purpose Ophthalmic Scissor. Lightweight, standard action scissor for conjunctiva and, less satisfactorily, the cornea. Very rarely used on the iris in veterinary ophthalmology.

IRIS

- ARA-V-99 Iris Scissors Str 9cm
- ARA-V-100 Iris Scissors Cvd 9cm
- ARA-V-101 Iris Scissors Str 11cm
- ARA-V-102 Iris Scissors Cvd 11cm
- ARA-V-103 Iris Scissors Tungsten Carbide Str 11cm

Strabismus Scissors



Stronger than corneal and conjunctival scissors, strabismus scissors are suitable for cutting muscles and skin.

STRABISMUS SCISSORS

- ARA-V-104 Strabismus Scissors Str 9cm
- ARA-V-105 Strabismus Scissors Cvd 9cm
- ARA-V-106 Strabismus Scissors Str 11cm
- ARA-V-107 Strabismus Scissors Cvd 11cm

Eye Enucleation Scissors



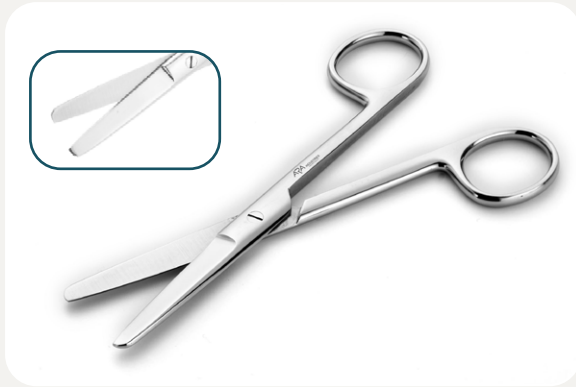
Standard Curved Surgical Scissors do not match the radius of the eye of dogs and cats. The Eye Enucleation Scissor closely matches required radius and slides easily behind the eyeball to cut the optic nerve and internal ophthalmic artery and vein, without the requirement to apply dangerous traction to the globe. Use in conjunction with Eye Enucleation Clamps.

EYE ENUCLEATION SCISSORS

- ARA-V-108 Eye Enucleation Scissors 140mm

General Scissors

Dressing - Blunt/ Blunt



DRESSING - BLUNT/ BLUNT

- ARA-V-109 Dressing Scissors Blunt Str 12.5cm 5"
- ARA-V-110 Dressing Scissors Blunt Str 14cm 5.5"
- ARA-V-111 Dressing Scissors Blunt Str 15cm 6"
- ARA-V-112 Dressing Scissors Blunt Str 18cm 7"
- ARA-V-113 Dressing Scissors Blunt Str 20cm 8"
- ARA-V-114 Dressing Scissors Blunt Cvd 12.5cm 5"
- ARA-V-115 Dressing Scissors Serr. B/B Cvd 14cm 5"
- ARA-V-116 Dressing Scissors Blunt Cvd 14cm 5.5"
- ARA-V-117 Dressing Scissors Blunt Cvd 14cm 5.5" Left Handed
- ARA-V-118 Dressing Scissors Blunt Cvd 15cm 6"
- ARA-V-119 Dressing Scissors Blunt Cvd 18cm 7"
- ARA-V-120 Dressing Scissors Blunt Cvd 20cm 8"

Dressing - Blunt/ Blunt Coloured Handles



These standard Dressing Scissors are available with different coloured handles for easy identification.

DRESSING - BLUNT/ BLUNT COLOURED HANDLES

- ARA-V-121 Dressing Scissors Serr B/B Cvd Gold Handles 5"
- ARA-V-122 Dressing Scissors Serr B/B Cvd Blue Handles 5"
- ARA-V-123 Dressing Scissors Serr B/B Cvd Rainbow Handles 5"
- ARA-V-124 Dressing Scissors Serr B/B Cvd Purple Handles 5"

Dressing - Sharp/ Sharp



DRESSING - SHARP/ SHARP

- ARA-V-125 Dressing Scissors Sharp Str 10cm 4"
- ARA-V-126 Dressing Scissors Sharp Str 11cm 4.5"
- ARA-V-127 Dressing Scissors Sharp Str 12.5cm 5"
- ARA-V-128 Dressing Scissors Sharp Str 14cm 5.5"
- ARA-V-129 Dressing Scissors Sharp Str 15cm 6"
- ARA-V-130 Dressing Scissors Sharp Str 18cm 7"
- ARA-V-131 Dressing Scissors Sharp Str 20cm 8"
- ARA-V-132 Dressing Scissors Sharp Cvd 12.5cm 5"

Dressing - Blunt/ Sharp



DRESSING - BLUNT/ SHARP

- ARA-V-133 Dressing Scissors Blunt/ Str Sharp 5"
- ARA-V-134 Dressing Scissors Blunt/ Str Sharp 6"
- ARA-V-135 Dressing Scissors Blunt/ Cvd Sharp 5"
- ARA-V-136 Dressing Scissors Blunt/ Cvd Sharp 6"

General Purpose Dressing Scissors



The comfortable handles and serrated blades make these a useful all round dressing scissor cheap enough for each consulting room.







GENERAL PURPOSE DRESSING SCISSORS

- ARA-V-137 General Purpose Dressing Scissors 190mm

Lister Bandage



Colour Range

-  Rainbow Colour
-  Gold Colour
-  Blue Colour
-  Rose Gold Colour
-  Purple Colour
-  Jet Black Colour

R Right Handed

L Left Handed

LISTER BANDAGE

- ARA-V-138 Lister Bandage Scissor 3.5"
- ARA-V-139 Lister Bandage Scissor 4.5"
- ARA-V-139A Lister Bandage Scissor 5.5"
- ARA-V-139B Lister Bandage Scissor 7"

Veterinary Bandage Scissors



Lower profile and slightly straighter than standard Lister bandage scissors, to better fit veterinary patients. Listers are often too bulky, as they are designed for larger human patients.

VETERINARY BANDAGE SCISSORS

- ARA-V-140 Veterinary Bandage Scissors 14cm 5.5"
- ARA-V-141 Veterinary Bandage Scissors 19cm 7.5"

Stitch Cutters

Heath Stitch



General purpose Stitch Cutter.

HEATH STITCH

- ARA-V-142 Heath Stitch Scissors 15cm 6"

Littauer Stitch



Very nice for removal of small awkward sutures.

LITTAUER STITCH

- ARA-V-143 Littauer Stitch Scissors 8cm 3.5"
- ARA-V-144 Littauer Stitch Scissors 11cm 4.5"
- ARA-V-145 Littauer Stitch Scissors 12.5cm 5"

Castroviejo Suture Removal Scissors



Designed for the removal of very fine sutures. The Castroviejo action matches that of the Castroviejo Needle Holders.

CASTROVIEJO SUTURE REMOVAL SCISSORS

- ARA-V-146 Castroviejo Suture Removal Scissors 120mm

Needle Holders

Dedicated needleholders grip the best, and dedicated suture scissors cut the best. However combined needleholder/ scissors are very popular for convenience in spite of the functional compromise. Most ARA INDUSTRIES needleholders are available with tungsten carbide jaw inserts. These grip and wear better. Particularly useful for smaller needles. Identified by gold handles.

Castroviejo



Classic ophthalmic needleholder with catch. Infrequent ophthalmic surgeons should also consider Miniature Fosters or Ryders as the squeeze action of Castroviejoes requires patience & practice to master. Also available without catch.

CASTROVIEJO

- ARA-V-147 Castroviejo Needleholders with Catch T.C. 150mm
- ARA-V-148 Castroviejo Needleholders without catch T.C. 150mm
- ARA-V-149 Castroviejo Needleholders with Catch T.C. 165mm
- ARA-V-150 Castroviejo Needleholders with Catch T.C. 180mm

Castroviejo Needle Holders/ Scissor



This Instrument functions as a standard Castroviejo needleholder but the jaws incorporate a suture cutting function in the style of Olsen Hegars or Gillies. Jaws are Tungsten Carbide for maximum grip.

CASTROVIEJO NEEDLE HOLDERS/ SCISSOR

- ARA-V-151 Castroviejo Needleholders/ Scissor Str T.C. 150mm
- ARA-V-152 Castroviejo Needleholders/ Scissor Cvd T.C. 150mm Cvd
- ARA-V-153 Castroviejo Needleholders/ Scissor Str 'S'Cut T.C. 150mm
- ARA-V-154 Castroviejo Needleholders/ Scissor Cvd 'S'Cut T.C. 150mm

Miniature Foster Gillies



MINIATURE FOSTER GILLIES

- ARA-V-155 Miniature Foster Gillies T.C. 100mm 4"

Foster Gillies



Smaller than the standard Gillies this instrument is useful for finer surgery or smaller hands.

FOSTER GILLIES

- ARA-V-156 Foster Gillies Needleholders RH 12.5cm 5"
- ARA-V-157 Foster Gillies Needleholders LH 12.5cm 5"
- ARA-V-158 Foster Gillies Needleholders T.C. Jaws RH 12.5cm 5"
- ARA-V-159 Foster Gillies Needleholders T.C. Jaws LH 12.5cm 5"

Gillies

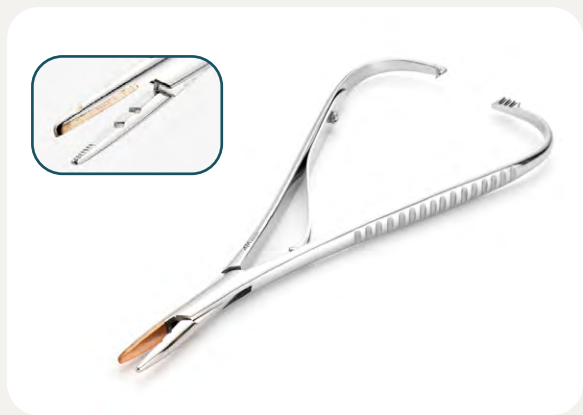


Combined Scissor/ Needle Holder.

GILLIES

- ARA-V-160 Gillies Needleholders RH 16cm 6.25"
- ARA-V-161 Gillies Needleholders LH 16cm 6.25"
- ARA-V-162 Gillies Needleholders T.C. Jaws RH 16cm 6.25"
- ARA-V-163 Gillies Needleholders T.C. Jaws LH 16cm 6.25"

McPhails

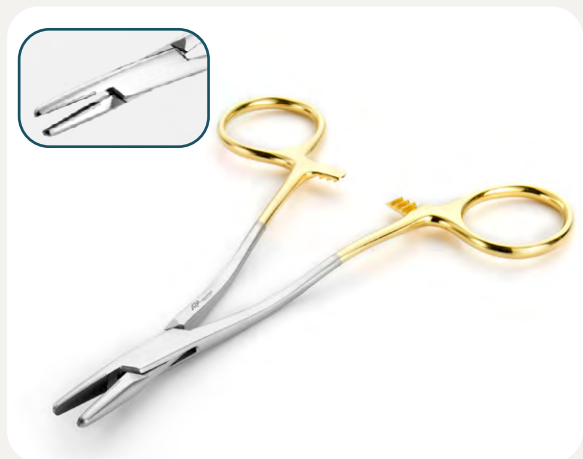


The McPhails Needle Holder has one soft copper jaws for extra needle grip, the other is stainless steel. The catch engages with a moderate squeeze on the handles. Further pressure releases the catch and the needle.

MCPHAILS

- ARA-V-164 McPhails Needleholders 15cm 6"
- ARA-V-165 McPhails Needleholders 18cm 7"
- ARA-V-166 McPhails Needleholders 20cm 8"

Kilner Needle Holders



Kilner Needle Holders are similar to 140mm Mayos but the arms are cranked, offsetting the jaws from the handles by around 10mm.

KILNER NEEDLE HOLDERS

- ARA-V-167 Kilner Needleholders 14cm 5.5"

Mayo and Mayo Hegar TC

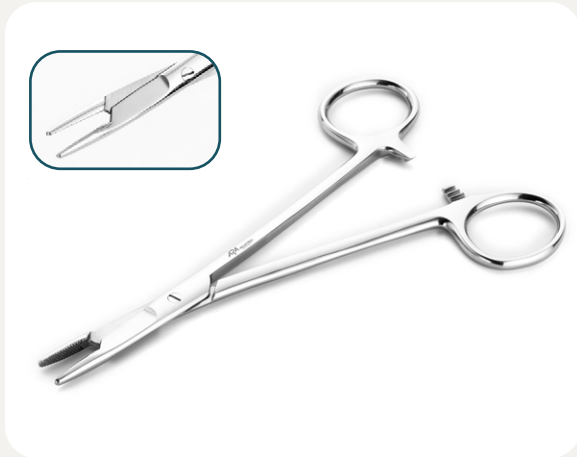


Veterinary general purpose needleholder, available in a wide range of sizes with or without tungsten carbide jaw inserts. Mayo Hegar is the TC variant of standard Mayo.

MAYO AND MAYO HEGAR TC

- ARA-V-168 Mayo Needleholders 12.5cm 5"
- ARA-V-169 Mayo Needleholders 14cm 5.5"
- ARA-V-170 Mayo Needleholders 16.5cm 6.5"
- ARA-V-171 Mayo Needleholders 18cm 7.0"
- ARA-V-172 Mayo Needleholders 20cm 8"
- ARA-V-173 Mayo Hegar T.C. Jaws 12.5cm 5"
- ARA-V-174 Mayo Hegar T.C. Jaws 14cm 5.5"
- ARA-V-175 Mayo Hegar T.C. Jaws 16.5cm 6.5"
- ARA-V-176 Mayo Hegar T.C. Jaws - Left Handed 16.5cm 6.5"
- ARA-V-177 Mayo Hegar T.C. Jaws 18.5cm 7"
- ARA-V-178 Mayo Hegar T.C. Jaws 7.5"
- ARA-V-179 Mayo Hegar T.C. Jaws 8"
- ARA-V-180 Mayo Hegar T.C. Jaws 23cm 9"

Olsen Hegar Scissor/ Needle Holder

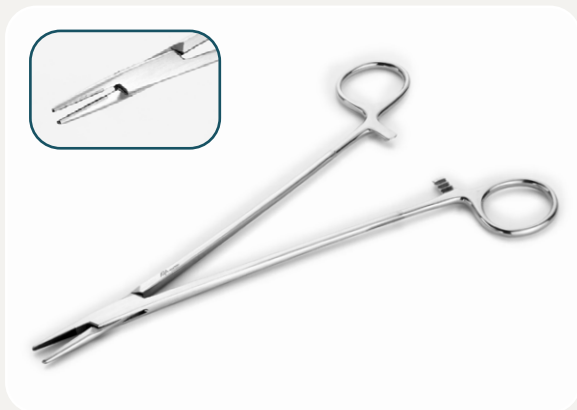


Olsen Hegar's combine the best features of Gillies and needleholders. They cut stitches but also lock. Highly recommended. Combined Scissor/ Needle Holder. Looser 'feel' will feel more like a scissor than a needleholder in use.

OLSEN HEGAR SCISSOR/ NEEDLE HOLDER

- ARA-V-181 Olsen Hegar Needleholders 14cm 5.5"
- ARA-V-182 Olsen Hegar Needleholders 16.5cm 6.5"
- ARA-V-183 Olsen Hegar Needleholders 7.5"
- ARA-V-184 Olsen Hegar Needleholders T.C. Jaws 11.5cm 4.5"
- ARA-V-185 Olsen Hegar Needleholders T.C. Jaws 14cm 5.5"
- ARA-V-186 Olsen Hegar Needleholders 'S' Cut T.C. Jaws 14.5cm 5.5"
- ARA-V-187 Olsen Hegar Needleholders T.C. Jaws 16.5cm 6.5"
- ARA-V-188 Olsen Hegar Needleholders T.C. Jaws L H 16.5cm 6.5"
- ARA-V-189 Olsen Hegar Needleholders 'S' Cut T.C. Jaws 17cm
- ARA-V-190 Olsen Hegar Needleholders 'S' Cut T.C. Jaws 18cm
- ARA-V-191 Olsen Hegar Needleholders 'S' Cut T.C. Jaws 19cm
- ARA-V-192 Olsen Hegar Needleholders T.C. Jaws 19cm 7.5"
- ARA-V-193 Olsen Hegar Needleholders Razor Cut 14.5cm 5.5 "
- ARA-V-194 Olsen Hegar Needleholders Razor Cut 17cm 6.5"

DeBakey Needle Holders

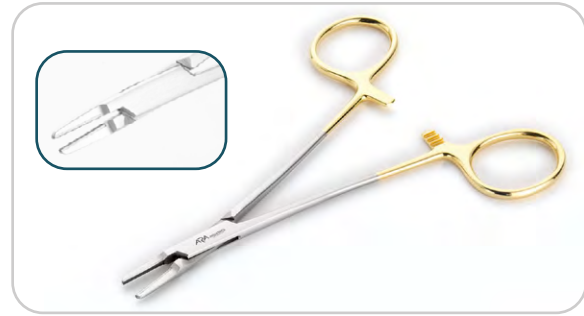


Much lighter in construction than the Mayo Hegar. These needleholders are very useful for deep surgical procedures where there is limited space e.g. chest surgery.

DEBAKEY NEEDLE HOLDERS

- ARA-V-195 DeBakey Needleholders T.C. Jaws 7"
- ARA-V-196 DeBakey Needleholders T.C. Jaws 20cm 8"
- ARA-V-197 DeBakey Needleholders T.C. Jaws 23cm 9"
- ARA-V-198 DeBakey Needleholders T.C. Jaws 10"
- ARA-V-199 DeBakey Needleholders T.C. Jaws 12"

Ryder Needle Holders



Ideal for small needles. The smaller sizes are an alternative for ophthalmic needleholders.

RYDER NEEDLE HOLDERS

- ARA-V-200 Ryder (Micro) T.C. Jaws 12.5cm 5"
- ARA-V-201 Ryder (Micro) 15cm 6"
- ARA-V-202 Ryder (Micro) T.C. Jaws 15cm 6"
- ARA-V-203 Ryder (Micro) T.C. Jaws 18cm 7"

Derf Needle Holder



The Derf Needle Holder is a small T.C. needleholder with slightly heavier jaws than the Ryder. More resistant to surgeon abuse!

DERF NEEDLE HOLDER

- ARA-V-204 Derf Needleholder T.C. Jaws 12cm

Galibans Suture Forceps



Use when placing sutures under tension. A good example is the placement of a lateral stabilising suture in the management of anterior cruciate ligament failure or abdominal sutures in an overweight dog. Galibans used by an assistant are used to atraumatically secure the first throw. The Galibans are removed as the second throw is tightened.

GALIBANS SUTURE FORCEPS

- ARA-V-205 Galibans Suture Holding Forceps 12cm

Towel Clips

Backhaus Towel Clip



BACKHAUS TOWEL CLIP

- ARA-V-206 Backhaus 9cm 3.5"
- ARA-V-207 Backhaus 10cm 4"
- ARA-V-208 Backhaus 12.5cm 5"

Cross Action Towel Clips



SHARDEL CROSS ACTION TOWEL CLIP

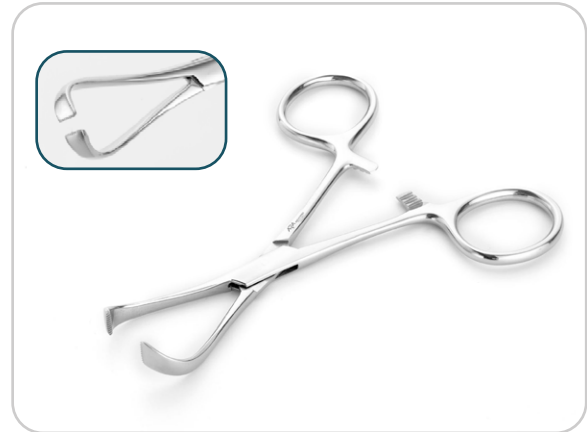
- ARA-V-209 Shardel Cross Action 9cm 3.5"



JONES CROSS ACTION TOWEL CLIP

- ARA-V-210 Jones Cross Action 9cm 3.5"

Atraumatic Towel Clip



Non puncturing but will bruise if not used with care.

ATRAUMATIC TOWEL CLIP

- ARA-V-211 Atraumatic Towel Clip 4.5"

Ball and Socket Towel Clamp



Designed for use on drapes only, for drape to drape anchorage. Less likely to cause tears, particularly with disposable drapes.

BALL AND SOCKET TOWEL CLAMP

- ARA-V-212 Ball and Socket Towel Clamp 5"

Dissecting Forceps Serrated-Block End

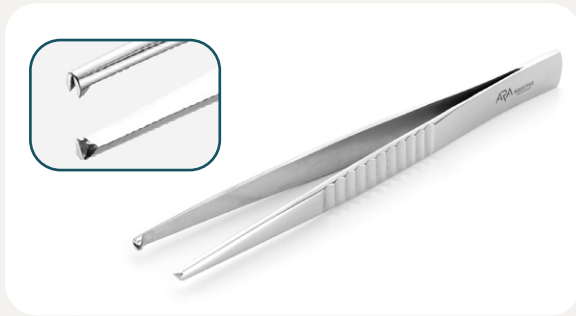


General purpose Dressing Forcep.

SERRATED-BLOCK END

- ARA-V-213 Block End Serrated Dissecting Forceps 5" 12.5cm
- ARA-V-214 Block End Serrated Dissecting Forceps 6" 15cm
- ARA-V-215 Block End Serrated Dissecting Forceps 7" 18cm
- ARA-V-216 Dressing Forceps 205mm

Treves Rat Tooth Forceps



General purpose Rat Tooth Dissecting Forceps.

TREVES RAT TOOTH FORCEPS

- ARA-V-217 Treves Dissecting Forceps Teeth 12.5cm 5"
- ARA-V-218 Treves Dissecting Forceps 1/2 Teeth 15cm 6"
- ARA-V-219 Treves Dissecting Forceps Teeth 18cm 7"
- ARA-V-220 Fine Rat Tooth Thumb Forceps 205mm

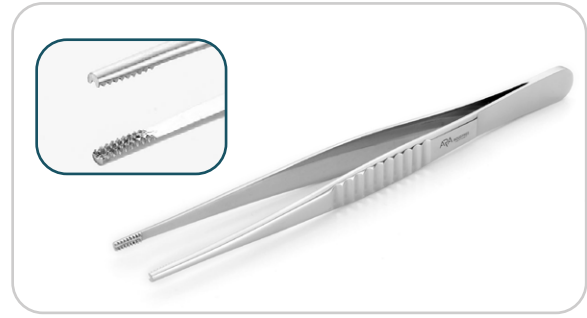
Dissecting Forceps 1/2 Teeth



DISSECTING FORCEPS 1/2 TEETH

- ARA-V-221 Dissecting Forceps 1/2 Teeth 15cm 6"
- ARA-V-222 Dissecting Forceps 1/2 Teeth 18cm 7"
- ARA-V-223 Lanes Dissecting Forceps 1/2 Teeth 6" 15cm
- ARA-V-224 Lanes Dissecting Forceps 2/3 Teeth 7" 18cm

Connective Tissue Forceps

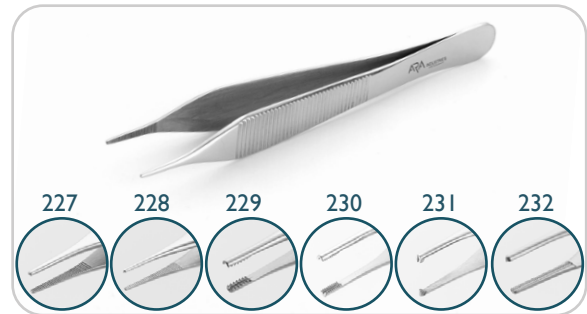


DeBakey style handles with Adson Brown tips, providing excellent grip of connective tissue with minimal trauma.

CONNECTIVE TISSUE FORCEPS

- ARA-V-225 Connective Tissue Forceps 153mm 6"
- ARA-V-226 Connective Tissue Forceps 180mm 7"

Adson



Ideal for fine surgical procedures. Available in a range of jaw designs.

ADSON

- ARA-V-227 Adson Serrated Dissecting Forceps 12.5cm 5"
- ARA-V-228 Adson Serrated Extra Fine 12.5cm 5"
- ARA-V-228S Adson Dissecting Forceps 1/2 Teeth 12.5cm 5"
- ARA-V-229 Adson Brown Dissecting Forceps 12.5cm 5"
- ARA-V-230 Adson Brown Serrated/ Crocodile 15cm 6"
- ARA-V-231 Adson Brown 1/2 Teeth 15cm 6"
- ARA-V-232 Adson DeBakey Dissecting Forceps 125mm 5"

DeBakey - Atraumatic



Originally designed for cardiovascular surgery, these forceps grip firmly with minimal damage to delicate tissue, including bowel and urogenital system.

DEBAKEY - ATRAUMATIC

- ARA-V-233 DeBakey Dissecting Forceps 6"
- ARA-V-234 DeBakey Dissecting Forceps 18cm 7"
- ARA-V-235 DeBakey Dissecting Forceps 8"
- ARA-V-236 DeBakey Dissecting Forceps 20.5cm 8.2"
- ARA-V-237 DeBakey Dissecting Forceps Angled 15cm 6"

Epilation Forceps



EPILATION FORCEPS

ARA-V-238 Epilation Forceps Square Jaws Plain 9cm 3.5"

St. Martin Dissecting Forceps



A very fine rat tooth for delicate procedures including corneal surgery.

ST. MARTIN DISSECTING FORCEPS

ARA-V-239 St. Martin Dissecting Forceps Teeth 90mm 3.25"

Retractors

Good retraction is the key to success in many procedures, especially surgery on deep structures e.g. the pelvis or the larynx.

Langenbeck



LANGENBECK

- ARA-V-240 Langenbeck Retractor 6mm Blade 215mm
- ARA-V-241 Langenbeck Long Reach 6mm x 35mm Blade 215mm
- ARA-V-242 Langenbeck Retractor 13mm Blade 215mm
- ARA-V-243 Langenbeck Retractor 20mm Blade 215mm
- ARA-V-244 Langenbeck Retractor 25mm Blade 215mm

Morris Retractor



Much wider than the Langenbeck, good for fat abdomens.

MORRIS RETRACTOR

- ARA-V-245 Morris Retractor 38mm 1.5" 215mm
- ARA-V-246 Morris Retractor 50mm 2" 260mm
- ARA-V-247 Morris Retractor 65mm 2.5" 220mm

Senn Retractor (Cats Paw)



SENN RETRACTOR (CATS PAW)

ARA-V-248 Senn Retractor (Cats Paw) 160mm

Fat Pad Retractor



Visualisation of the medial meniscus is maximised by retraction of the fat pad. Previously this has been achieved by use of a Senn (Cats Paw) retractor. The Fat Pad Retractor has the same clawed foot but has a much more practical means of holding the instrument.

FAT PAD RETRACTOR

ARA-V-249 Fat Pad Retractor 180mm

Malleable (Walton) Retractors



These flat plates of soft stainless steel are bent intra-operatively to retain abdominal structures.

MALLEABLE (WALTON) RETRACTORS

- ARA-V-250 Malleable Retractor 13mm 175mm
- ARA-V-251 Malleable Retractor 25mm 250mm
- ARA-V-252 Malleable Retractor 50mm 330mm

Collins Retractor



The two blades swivel as retraction takes place. They self-centre in the incision.

COLLINS

- ARA-V-253 Collins Retractor 110mm Spread

Rib Retractor Finnochetto



Finnochetto is the standard rib retractor, available in large and small.

RIB RETRACTOR FINNOCHETTO

- ARA-V-254 Rib Retractor Finnochetto Small 95mm Spread
- ARA-V-255 Rib Retractor Finnochetto Large 130mm Spread

Gosset Retractor



Good as a rib retractor, laparotomy retractor and for retraction of ventral cervical structures during cervical fenestration.

GOSSET RETRACTOR

- ARA-V-256 Gosset Retractor Large 130mm Spread
- ARA-V-257 Gosset Retractor Small 100mm Spread

Balfour Retractors



The original Balfour has for many years served as the standard large abdominal retractor for canine surgery. However the standard midline canine approach is very different from the standard human approach. The instrument both in use and sterilisation.

BALFOUR RETRACTORS

- ARA-V-258 Standard Balfour Retractor 180mm Spread
- ARA-V-259 Medium Balfour 115mm Spread
- ARA-V-260 Baby Balfour Retractor 90mm Spread

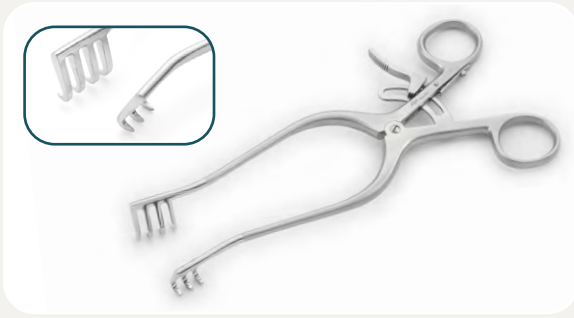
Aln Skin Retractor



ALN SKIN RETRACTOR

- ARA-V-261 Aln Skin Retractor 7.5cm 3"

Travers



Useful for retraction of skin and superficial soft tissue.

TRIVERS

- ARA-V-262 Travers Retractor 70mm Spread 16.5cm 6.5"
- ARA-V-263 Travers Retractor 90mm Spread 20cm 8"
- ARA-V-264 Travers Retractor Mini 43mm Spread 95mm

Weislander

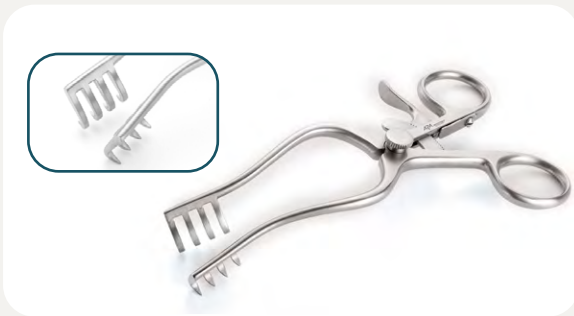


Arms are flat compared with the Wests. Proportions differ from Travers.

WEISLANDER

- ARA-V-265 Weislander Retractor Sharp 60mm Gape 14cm 5.5"
- ARA-V-266 Weislander Retractor Blunt 60mm Gape 14cm 5.5"

West Retractors



Widely used but sharp points tend to snag tissues. Curved arms sit quite nicely on small veterinary patients.

WEST RETRACTORS

- ARA-V-267 West Retractor 50mm Spread 140mm 5.5"
- ARA-V-268 Mini West Retractor 40mm Spread 95mm

Self Retaining Retractor

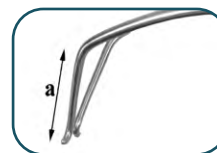
Available in many shapes and sizes, self retaining retractors assist the surgeon by providing adequate visualisation while minimising soft tissue damage.

Gelpi Self Retaining Retractor



The Gelpi is an extremely versatile self retaining retractor useful in almost any orthopaedic procedure. Veterinary Instrumentation Gelpis are different from standard Gelpis in two respects:

1. Short blunt tips give focal retraction for precise exposure of the fracture or lesion.
2. The teeth on the ratchet are smaller than usual giving finer control over the spread of the tips.



Two pairs of Gelpis placed at right angles to one another may be used to create a window into a joint or fracture site. Gelpis are available in a number of lengths. Measurement 'a' gives the depth of the tips.

GELPI SELF RETAINING RETRACTOR

- ARA-V-269 Gelpi Retractor 120mm Spread (a=20mm) 180mm Long
- ARA-V-270 Gelpi Retractor with Spinlock (a=20mm) 180mm Long
- ARA-V-271 Gelpi Retractor Sharp Tips (a=20mm) 180mm Long
- ARA-V-271A Gelpi Long Reach (a=40mm) 200mm Long
- ARA-V-271B Gelpi Very Long Reach (a=60mm) 200mm Long
- ARA-V-271C Gelpi Small 60mm Spread (a=15mm) 135mm Long

Odd Leg Gelpi Pair Gelpi Self Retaining Retractor



ODD LEG GELPI PAIR GELPI SELF RETAINING RETRACTOR

ARA-V-489 Odd Leg Gelpi Pair (a=25/40mm) 205mm Long
 ARA-V-490 Odd Leg Gelpi Short Pair (a=20/30mm) 130mm Long

TECA Retractor



Achieving adequate exposure is essential to the proper performance of lateral bulla osteotomy and debridement. Maintaining a dissection as close to the aural cartilages as possible helps avoid iatrogenic damage to the surrounding structures. In most cases, especially in broad headed breeds such as Shar Peis and Staffordshire Bull Terriers, this will mean working down a narrow and surprisingly deep corridor.

We have developed a purpose made TECA Retractor based on our small gelpis. The 40mm long legs are at 80° to the handles to reach deep into the hole created. The cross-over tips are only 3mm across when closed enabling insertion with no edges protruding to snag tissues.

TECA RETRACTOR

ARA-V-491 TECA Retractor 105mm Long 40mm Cross-over Legs

Bungee Gelpi Self Retaining Retractors



Based on the ARA IND standard Gelpi, with added anchor points for elastic stays allowing 4 point retraction from a single two point instrument. Anchor points may be double loaded for 6 point retraction. Accepts ARA IND Elastic Stays.

Advantages:

- Better retraction with fewer retractors cluttering a wound
- Greater stability of Gelpi's within a wound with four or six point retraction preventing the tips from sliding towards each other Easier for surgeries which are often performed in a more vertical position, such as perineal hernia repair.
- More useful shape to retracted hole – more rectangular than round, square or diamond, but is very adaptable to suit the situation.
- Multi-layer retraction such as creating deep retraction with tips and improved skin retraction with the elastic stays.

BUNGEE GELPI SELF RETAINING RETRACTORS

ARA-V-492 Bungee Gelpi Self Retaining Retractor 180mm long

Mini & Standard Gelpi Retractors



MINI & STANDARD GELPI RETRACTORS

- ARA-V-704 Gelpi Mini Curved (45mm Spread) 90mm Long Sharp Tips
 ARA-V-705 Gelpi Mini Curved (45mm Spread) 90mm Long Blunt Tips
 ARA-V-704A Standard Gelpi Curved (120mm Spread) Length 180mm Sharp Tips
 ARA-V-705B Standard Gelpi Curved (120mm Spread) Length 180mm Blunt Tips

Miscellaneous

Probes and Cutting Guides



Use the blunt probe to track fistulae. The butterfly cutting guide has a groove along its length to allow a scalpel to be run down without fear of damaging deeper tissues, the vulnerable tissues being protected by the guide. The notched spade end is useful for isolating vessels before ligating.

PROBES

- ARA-V-272 Blunt Dissection Probe 140mm
- ARA-V-273 Winged Director 130mm

Killian Bitch Speculum



Essentially a human nasal speculum, this 6.5cm bladed instrument is the standard bitch speculum. Adding a focal light source improves visualisation enormously.

KILLIAN BITCH SPECULUM

- ARA-V-274 Killian Bitch Speculum Blade Length 6.5cm 2.5"

Cheatle Steriliser Forceps



For manipulation of instruments during setting up.

CHEATLE STERILISER FORCEPS

- ARA-V-275 Cheatle Steriliser Forceps B/J 26.5cm 10.5"

Scalpel Handles

Swann Morton Scalpel Handles



SWANN MORTON HANDLES

- ARA-V-276 No 3 Handle with Scale
- ARA-V-277 No B3 Handle
- ARA-V-278 No 4 Handle
- ARA-V-279 No 4 Long Handle

Scalpel Handles



SCALPEL HANDLES

FINE STAINLESS HANDLE - BEAVER TYPE

- ARA-V-280 No 3 Handle with Scale and Periosteal Elevator Back
- ARA-V-281 Beaver Blade Handle 130mm

Swann Morton Fine Blades Handle



SWANN MORTON FINE BLADES HANDLE

- ARA-V-282 Swann Morton Fine Blades Handle 100mm

Instrument Boxes

Instrument Boxes



INSTRUMENT BOXES

ARA-V-283	Box 200mm x 100mm x 40mm
ARA-V-284	Box 200mm x 100mm x 40mm No Filter
ARA-V-285	Box 220mm x 120mm x 50mm
ARA-V-286	Box 220mm x 120mm x 50mm No Filter
ARA-V-287	Box 220mm x 150mm x 50mm
ARA-V-288	Box 280mm x 140mm x 50mm
ARA-V-289	Box 280mm x 140mm x 100mm No Filter
ARA-V-290	Box 340mm x 165mm x 50mm
ARA-V-291	Box 340mm x 165mm x 70mm
ARA-V-292	Box 400mm x 200mm x 70mm

Holloware

Kidney Dish & Lotion Bowl



KIDNEY DISH & LOTION BOWL

ARA-V-293	Kidney Dish 6"
ARA-V-294	Kidney Dish 8"
ARA-V-295	Kidney Dish 10"
ARA-V-296	Kidney Dish 12"
ARA-V-297	Lotion Bowl 4"
ARA-V-298	Lotion Bowl 6"
ARA-V-299	Lotion Bowl 8"
ARA-V-300	Lotion Bowl 10"

Left Handed Instruments

ARA INDUSTRIES offers a wide selection of Left Handed Instruments, of which some is shown below. If the instrument you are looking for is not shown, please contact us and we will get it for you.

Left Handed Scissors



LEFT HANDED SCISSORS

- ARA-V-301 Mayo Scissor Blunt/Blunt Straight LH 14cm 5.5"
- ARA-V-302 Mayo Scissor Blunt/Blunt Curved LH 14cm 5.5"
- ARA-V-303 Mayo Scissor Blunt/Blunt Straight LH 16.5cm 6.5"
- ARA-V-304 Mayo Scissor Blunt/Blunt Curved LH 16.5cm 6.5"
- ARA-V-305 Metzenbaum Scissor Blunt/Blunt Straight LH 14.5cm 5.75"
- ARA-V-306 Metzenbaum Scissor Blunt/Blunt Curved LH 14.5cm 5.75"
- ARA-V-307 Metzenbaum Scissor Blunt/Blunt Straight LH 18cm 7"
- ARA-V-308 Metzenbaum Scissor Blunt/Blunt Straight LH 20cm 8"
- ARA-V-309 Lister Bandage Scissor LH 14cm 5.5"
- ARA-V-310 Lister Bandage Scissor LH 18cm 7"
- ARA-V-311 Iris Scissor Round Straight LH 11cm 4.25"
- ARA-V-312 Iris Scissor Round Curved LH 11cm 4.25"

Left Handed Forceps



LEFT HANDED FORCEPS

- ARA-V-313 Halsted Mosquito Artery Forcep Straight LH 12.5cm 5"
- ARA-V-314 Halsted Mosquito Artery Forcep Curved LH 12.5cm 5"
- ARA-V-315 Crile Artery Forcep Straight LH 14cm 5.5"
- ARA-V-316 Crile Artery Forcep Curved LH 14cm 5.5"
- ARA-V-317 Rochester Pean Artery Forcep Straight LH 16cm 6.5"
- ARA-V-318 Rochester Pean Artery Forcep Curved LH 16cm 6.5"
- ARA-V-319 Backhaus Towel Forcep LH 9cm 3.5"

Left Handed Needle Holders



LEFT HANDED NEEDLE HOLDERS

- ARA-V-320 Mayo Hegar Needleholder LH 16.5cm
- ARA-V-321 Mayo Hegar Needleholder LH 18.5cm 7"
- ARA-V-322 Olsen Hegar Needleholder LH 14cm 5.5"
- ARA-V-323 Olsen Hegar Needleholder LH 16.5cm 6.5"
- ARA-V-324 Olsen Hegar Needleholder LH 16.5cm 6.5"
- ARA-V-325 Foster Gillies Needleholder LH 12.5cm 5"
- ARA-V-326 Foster Gillies Needleholder LH T.C. Jaws 12.5cm 5"
- ARA-V-327 Gillies Needleholder LH 16cm 6.25"
- ARA-V-328 Gillies Needleholder LH T.C. Jaws 16cm 6.25"

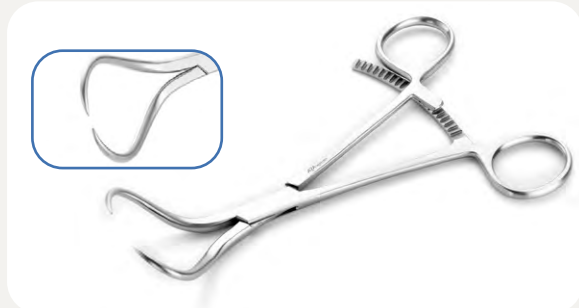
Orthopaedics Instruments



Fragment Forceps

Pointed Reduction Forceps

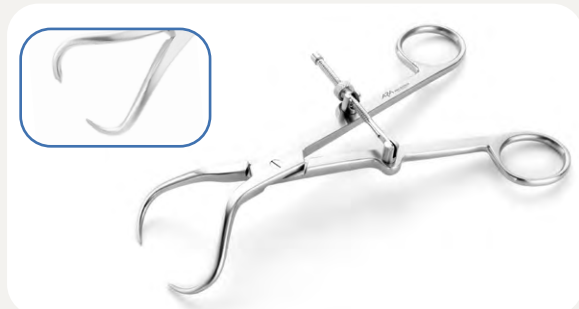
Ideal for fragment reduction, these forceps gently hold fragments in position whilst permanent fixation is being applied. Particularly useful in the repair of fractures of the distal femur, acetabulum and distal tibia. The smaller sizes are useful in the repair of the long bones of the miniature dog and cat as well as the smaller bones of the distal limbs in large patients.



FRAGMENT FORCEPS

- ARA-V-336 Fragment Forceps 160mm Long
- ARA-V-337 Small Fragment Forceps 135mm Long
- ARA-V-338 Very Small Fragment Forceps 100mm Long
- ARA-V-339 Miniature Fragment Forceps 135mm Long

Pointed Reduction Forceps with Spinlock



Useful for delicate reduction of fragments. Initial reduction is performed with the spinlock flipped out, to give maximum control. Once placed, the spinlock is flipped back in & gently tightened.

POINTED REDUCTION FORCEPS WITH SPINLOCK

- ARA-V-340 Small Fragment Forceps with Spinlock 135mm Long
- ARA-V-341 Large Fragment Forceps with Spinlock 180mm Long

Very Large Fragment Forceps

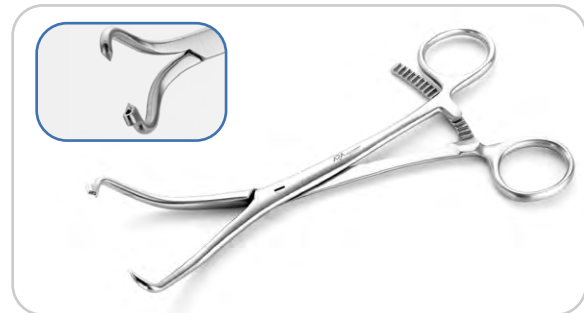


Use where a wide gape is required or where the instrument needs to be further out of the surgical field. Spinlock version is very useful during CrCl surgery for repositioning the stifle prior to placement of a lateral suture, or holding osteotomies during closing wedge type procedures.

VERY LARGE FRAGMENT FORCEPS

- ARA-V-342 Very Large Fragment Forceps 205mm Long
- ARA-V-343 Very Large Fragment Forceps with Spinlock 215mm Long

Reduction Forceps with Hard Wire Guide



Standard pattern fragment forceps with an added wire guide, to allow placement of a temporary or permanent wire as close as possible to the point of reduction. Guide capacity up to 1.6mm

REDUCTION FORCEPS WITH HARD WIRE GUIDE

- ARA-V-344 Reduction Forceps with Wire Guide 140mm Long Gape 10-25mm
- ARA-V-345 Reduction Forceps with Wire Guide 170mm Long Gape 15-40mm
- ARA-V-346 Reduction Forceps with Wire Guide 200mm Long Gape 25-65mm

Twin Point Fragment Forceps

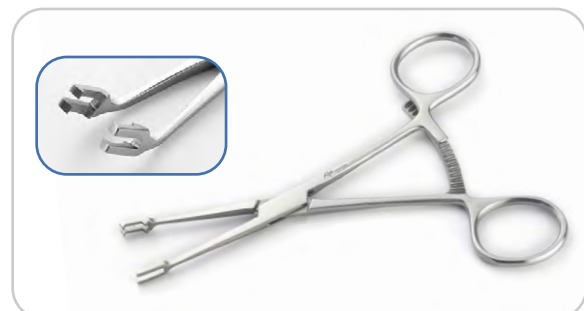


Twin point fragment forceps hold securely while allowing placement of implants such as screws at the point of maximum reduction between the points. Particularly useful for humeral condyle repairs, and repairs in the small bones distal to carpus and tarsus.

TWIN POINT FRAGMENT FORCEPS

- ARA-V-347 Twin Point Fragment Forceps Straight 170mm Long
- ARA-V-348 Twin Point Fragment Forceps Curved 165mm Long

Ikuta Bone Clamps



Ikuta slotted clamps are designed to allow the passage of wires or screws at the point of maximum pressure. For bones up to 20mm in diameter. The smaller sizes are for wires, the larger for small screws. Consider Twin Point Fragment Forceps above for larger screws, or a ARA-V-353 Long

IKUTA BONE CLAMPS

- ARA-V-349 Straight for Wires to 2.0mm 125mm Long
- ARA-V-350 Curved for Wires to 2.0mm 125mm Long
- ARA-V-351 Straight for Screws & Wires to 3.0mm 125mm Long
- ARA-V-352 Curved for Screws & Wires to 3.0mm 125mm Long

Long Ratchet Schroeder Tenaculum



A larger, springier version of the straight Twin Point Forceps. Useful for reduction of small fragments prior to drilling and screwing. Longer ratchet than a standard Schroeder increases usefulness.

LONG RATCHET SCHROEDER TENACULUM

ARA-V-353 Long Ratchet Schroeder Tenaculum Str 240mm Long

Large Twin Point Reduction Forceps with Spinlock



Accessing the point of maximum compression to insert a screw is made easier by the use of twin point forceps. This size is useful for most elbows where accuracy of placement is essential, including Spaniels.

LARGE TWIN POINT REDUCTION FORCEPS WITH SPINLOCK

ARA-V-354 Twin Point Reduction Forceps with Spinlock 215mm Long

Bone Holding Forceps

There is no one universal bone holder. Both the dimensions of the bones involved and the degree of force needed to manipulate or clamp the bone vary immensely. Select the most appropriate forcep for the procedure.

Bone Holding Forceps



Useful general purpose bone holder for maintaining reduction during I/M pinning. Can also be used during plating procedures, passing drills & screws through the jaw centre.

BONE HOLDING FORCEPS

ARA-V-355 Bone Holding Forceps 155mm Long

Reduction Forceps Serrated Jaws



These reduction forceps have serrated jaws and spinlock which provides secure incremental control.

REDUCTION FORCEPS SERRATED JAWS

ARA-V-356 Reduction Forceps Serrated Jaws Spinlock 190mm Long
ARA-V-357 Reduction Forceps Serrated Jaws Spinlock 240mm Long

Small Serrated Bone Holding Forceps



Manipulation of the long bones of cats and small dogs is difficult without crushing. The serrated jaws of this forcep are contoured to maximise grip and support. The tips are sharp. They may be used as small fragment forceps.

SMALL SERRATED BONE HOLDING FORCEPS

ARA-V-358 Small Serrated Bone Holding Forceps with Ratchet 12mm Grasp 180mm Long

ARA-V-359 Small Serrated Bone Holding Forceps 7mm Grasp 140mm
ARA-V-360 X Small Serrated Bone Holding Forceps 5mm Grasp 140mm
ARA-V-361 X Small Serrated Bone Holding Forceps 3mm Grasp 140mm

ARA-V-362 Small Serrated Bone Holding Forceps with Spinlock 12mm Grasp 180mm Long

Small Curved Serrated Reduction Forceps

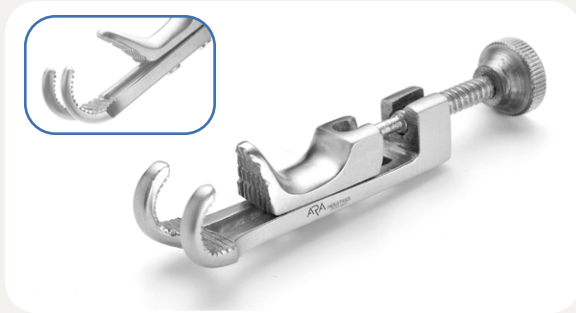


A nice forcep for the manipulation of small bones or small bone fragments. You cannot have too many bone holding forceps!

SMALL CURVED SERRATED REDUCTION FORCEPS

ARA-V-363 Small Curved Serrated Reduction Forceps 145mm Long

Lowman Bone Clamp Veterinary Pattern Small Dog/ Cat Size



Re-worked traditional human clamp, in sizes suitable for cats and small dogs.

- Lightweight
- Requires minimal exposure
- Use to reduce oblique fractures
- Secures plate to fracture prior to screw placement

LOWMAN BONE CLAMP VETERINARY PATTERN

- ARA-V-365 Lowman Bone Clamp Veterinary Pattern 60mm Long
- ARA-V-366 Lowman Bone Clamp Large <30mm 220mm Long

Dingmans Forceps



Useful for manipulation of bone fragments.

DINGMANS FORCEPS

- ARA-V-364 Dingmans Forceps Long Ratchet 215mm Long

Kern Bone Holding Forceps



Kerns give a very firm controllable grip, aiding manipulation and reduction of fragments. A quick release ratchet locks the jaws. Useful in general orthopaedics and for surgery around the hip, in particular:

- femoral shaft fractures
- triple pelvic osteotomy
- hip toggle
- fractures of the acetabulum

KERN BONE HOLDING FORCEPS

- ARA-V-367 Mini Kern Bone Holding Forceps 4.75" 125mm Long
- ARA-V-368 Kern Bone Holding Forceps 6.75" 170mm (small) Long
- ARA-V-369 Kern Bone Holding Forceps 8.5" 215mm (large) Long

Self Centering Bone Holding Forceps



Some fracture reductions require that the bone forceps jaws be angled from the handles. Such forceps require:

1. A sophisticated hinge mechanism to allow the jaws to maintain alignment as they open and close.
2. A special locking device which can cope with the laxity at the hinge.

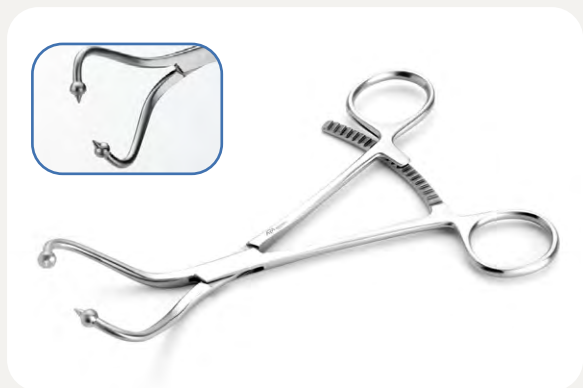
The spinlock and the special jaw make the instrument very nice to use but very expensive.

The veterinary pattern stands up from the bone in use, where the human pattern sits down and falls away which is generally less use in veterinary patients.

SELF CENTERING BONE HOLDING FORCEPS

- ARA-V-370 Self Centering Forceps Very Small - 150mm Long
- ARA-V-371 Self Centering Forceps Small - 190mm Long
- ARA-V-372 Self Centering Forceps Large - 240mm Long
- ARA-V-373 Self Centering Forceps Very Small - 150mm Vet Pattern
- ARA-V-374 Self Centering Forceps Small - 190mm Vet Pattern
- ARA-V-375 Self Centering Forceps Large - 240mm Vet Pattern

Plate Holding Forceps

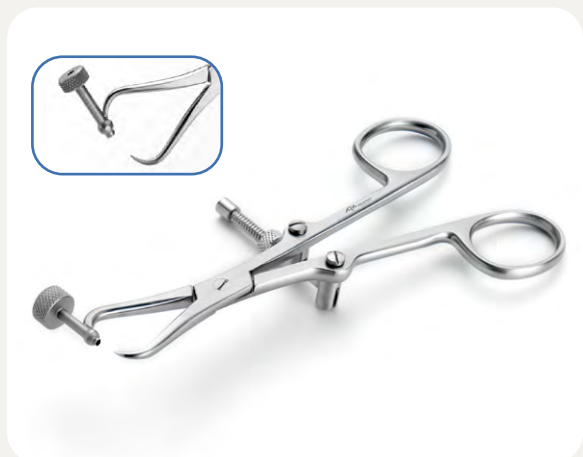


Use to hold a plate in position on the bone. Ball tips engage the plate holes. Also useful as a fragment forcep in young, soft bone, as the balls prevent over penetration.

PLATE HOLDING FORCEPS

ARA-V-376 Plate Holding Forceps 160mm Long

Plate Holding/ Drill Guide Forceps



Combination bone holder and drill guide. Allows temporary fixation of the plate to the bone whilst a hole is drilled. The ball shape of the tip engages the plate hole, while the tip of the drill guide engages the bone. Tips are offset slightly to avoid the drill bit hitting the opposite bone holder tip.

PLATE HOLDING/ DRILL GUIDE FORCEPS

- ARA-V-377 1.5/2.0 Plate Holding/ Drill Guide Forceps 140mm Long
- ARA-V-378 2.4/2.7 Plate Holding/ Drill Guide Forceps 145mm Long
- ARA-V-379 3.5 Plate Holding/ Drill Guide Forceps 150mm Long

Left Handed Orthopaedic Instruments

Left Handed Orthopaedic Instruments



Left handed bone holders and fragment forceps are designs modified specifically to make use easier, along with our range of left handed general surgical instruments.

A limited range of the most popular instruments are available. If you have any suggestions for additions to the range, let ARA IND know! One black handle identifies left handed instruments.

LEFT HANDED ORTHOPAEDIC INSTRUMENTS

- ARA-V-331 Small Fragment Forceps with Spinlock - Left Handed
- ARA-V-333 Very Large Fragment Forceps with Spinlock - Left Handed

Plaster Cutting
Engels Plaster Saw



A simple cast saw for removal of plaster casts.

ENGELS PLASTER SAW

ARA-V-380 Engels Plaster Saw 145mm Long

Plaster Shears Bruns / Bohler



Simple action serrated jaw. Very robust and comfortable to use. Very efficient for removing bandages.

PLASTER SHEARS BRUNS / BOHLER

ARA-V-381 Plaster Shears Bruns/ Bohler 245mm Long

Plaster Spreaders



Cast spreader scaled to veterinary patients, to expand the initial cut made to remove a cast.

PLASTER SPREADERS

ARA-V-382 Plaster Spreaders 230mm

Plaster Shears Stille



Very powerful compound action.

PLASTER SHEARS STILLE

ARA-V-383 Plaster Shears Stille 245mm Long

Implant Cutters

Select implant cutters to suit the type and size of implant to be cut, and the position of the implant. Using hacksaws is best avoided as far as possible – due to the work hardening characteristic of stainless steel and titanium, the harder you work the harder it is to cut. Intramedullary pins and K /A wires are already hardened during production so are even tougher.

Designs and finish of cutter:

Surgical finish stainless steel with TC inserts – suitable for appropriate sizes of hard wires. Can be used for appropriate sizes of cuttable plate.

Also for cutting fish hooks!

Industrial finish – strong and cheaper than surgical finish, but not long lasting due to corrosion.

Side cutting – standard pattern straight cutters.

Close cut – end cutting. For smaller pins only. Harder to cut long sections but allow cutting close to the bone. Safety cutters – leave a blunt end with no snags, but leave a longer stub.

Best for ex fix pins

Compound action – make cutting pins easier

Prolong the life of your pin cutter by not cutting at the tip – as tungsten carbide is brittle, it is prone to break when cutting at the very tip, where it is less well supported by the stainless jaw.

Implant Cutter Surgical Finish to 6mm Capacity



Highest capacity implant cutter stocked. Will not fit most autoclaves as they are 560mm long – suggested to use chemical sterilant on the ends and operate by an unscrubbed assistant.

IMPLANT CUTTER SURGICAL FINISH TO 6MM CAPACITY

ARA-V-384 Implant Cutter Stainless to 1/4" 6mm Capacity TC Jaws Compound Action 560mm Long

Implant Cutter Surgical Finish to 4mm Capacity

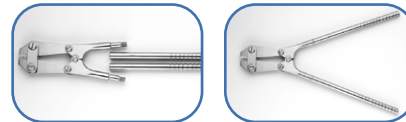


Implant Cutter Surgical Finish to 4mm Capacity, TC Jaws, Compound Action, 490mm Long. Suitable for long chamber autoclaves.

IMPLANT CUTTER SURGICAL FINISH TO 4MM CAPACITY

ARA-V-386 Implant Cutter Surgical Finish to 4mm Capacity TC Jaws Compound Action 490mm Long

Implant Cutter Surgical Finish to 4mm Capacity Detachable Handles



Overall length with handles in situ is 485mm. Strips down to 270mm long when handles are detached to fit many smaller autoclaves such as Little Sister Type.

IMPLANT CUTTER SURGICAL FINISH TO 4MM CAPACITY DETACHABLE HANDLES

ARA-V-388 Implant Cutter Stainless to 4mm Capacity Detachable Handles

Implant Cutter Surgical Finish to 4mm Capacity



Implant Cutter Surgical Finish to 4mm Capacity, TC Jaws, Compound Action, 370mm Long.

IMPLANT CUTTER SURGICAL FINISH TO 4MM CAPACITY

ARA-V-389 Implant Cutter Stainless to 4mm Capacity TC Jaws Compound Action 370mm Long

Implant Cutter Surgical Finish to 3mm Capacity



Implant Cutter Surgical Finish to 3mm Capacity, TC Jaws, Sprung Compound Action, 255mm Long.

IMPLANT CUTTER SURGICAL FINISH TO 3MM CAPACITY

ARA-V-390 Implant Cutter Stainless to 3mm Capacity 255mm Long

Implant Cutter Surgical Finish to 2.5mm Capacity

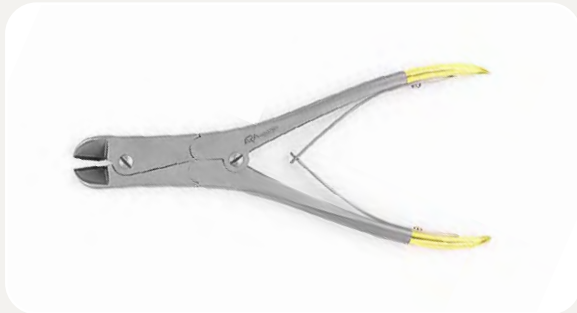


Implant Cutter Surgical Finish to 2.5mm Capacity, TC Jaws End Cut, Sprung Compound Action, 230mm Long.

IMPLANT CUTTER SURGICAL FINISH TO 2.5MM CAPACITY

ARA-V-391 Implant Cutter Stainless to 2.5mm Capacity Close Cut 230mm Long

Implant Cutter Surgical Finish to 2.2mm Capacity

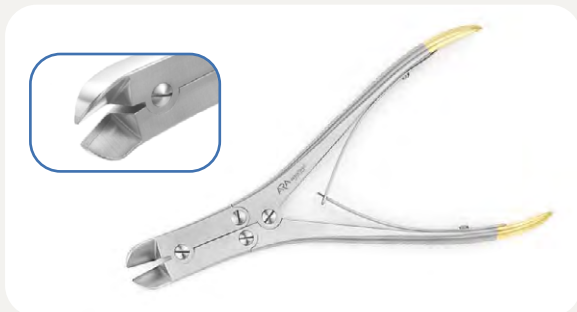


Implant Cutter Surgical Finish to 2.2mm Capacity, TC Jaws, Sprung Compound Action, 230mm Long. Very useful for A & K wires, and cuttable plates. Recommended.

IMPLANT CUTTER SURGICAL FINISH TO 2.2MM CAPACITY

ARA-V-392 Implant Cutter Stainless Steel Cuts to 2.2mm Capacity 230mm

Implant Cutter Surgical Finish to 2.2mm Capacity - Oblique Jaws

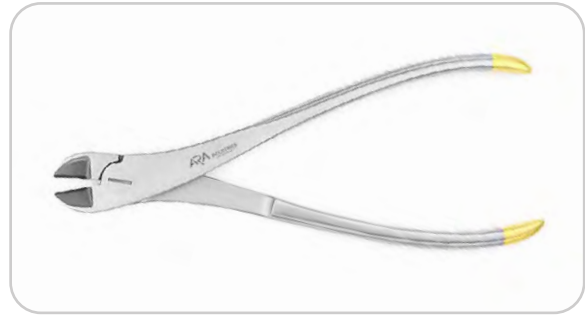


Similar to ARA-V-392, but with oblique jaws favoured by many surgeons. Tungsten Carbide jaws.

IMPLANT CUTTER SURGICAL FINISH TO 2.2MM CAPACITY - OBLIQUE JAWS

ARA-V-393 Implant Cutter Stainless Steel Cuts to 2.2mm Capacity 170mm Long Oblique Jaw Stainless Steel

Implant Cutter Surgical Finish to 2.0mm & 1.6mm Capacity



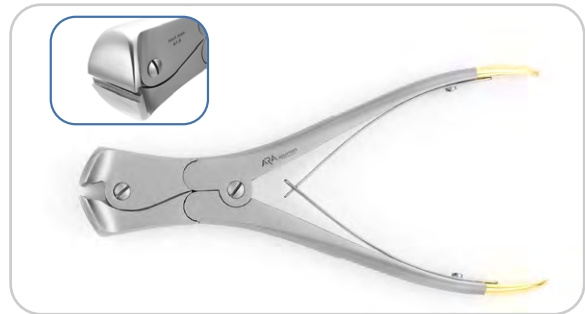
Simple action economical cutters, but requiring more muscle power to use particularly at the upper limits of their capacity.

IMPLANT CUTTER SURGICAL FINISH TO 2.0MM & 1.6MM CAPACITY

ARA-V-394 Implant Cutter Stainless Steel Simple Action Cuts to 2.0mm Capacity 255mm Long

ARA-V-395 Implant Cutter Stainless Steel Simple Action Cuts to 1.6mm Capacity 215mm Long

Implant Cutter Surgical Finish to 1.6mm Capacity - Shear Action End Cutting

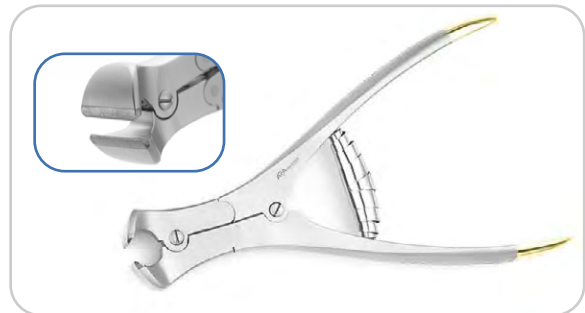


An efficient shearing action that produces a square end to a cut pin rather than the more typical sharp edge. The jaws catch the loose pin end preventing it from flying off. This cutter cuts pins to 1.5mm below the face of the cutter. Also useful for cutting cerclage wire cleanly. TC Jaws.

IMPLANT CUTTER SURGICAL FINISH TO 1.6MM CAPACITY - SHEAR ACTION END CUTTING

ARA-V-397 Implant Cutter Stainless to 1.6mm Capacity 220mm Long Shear Action End Cutting

Implant Cutter Surgical Finish to 1.5mm Capacity

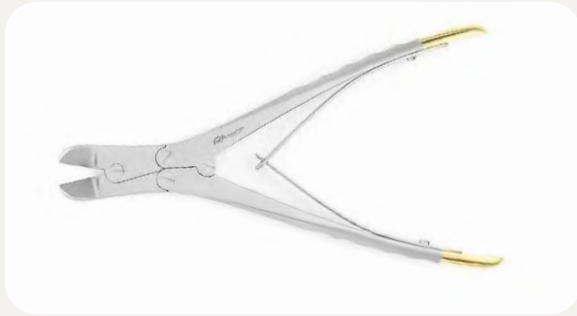


Standard Curved Surgical Scissors do not match the radius of the eye of dogs and cats. The Eye Enucleation Scissor closely matches required radius and slides easily behind the eyeball to cut the optic nerve and internal.

IMPLANT CUTTER SURGICAL FINISH TO 1.5MM CAPACITY

ARA-V-398 Implant Cutter Stainless to 1.5mm Capacity Close Cut 150mm Long

Implant Cutter Surgical Finish to 1.5mm Capacity



Small lightweight implant cutter. Max capacity 1.5mm. Also suitable for 1mm cuttable plate range. For light use only.

IMPLANT CUTTER SURGICAL FINISH TO 1.5MM CAPACITY

ARA-V-399 Implant Cutter Stainless to 1.5mm Capacity 170mm Long

Pin & Wire Extraction

Pin Grip

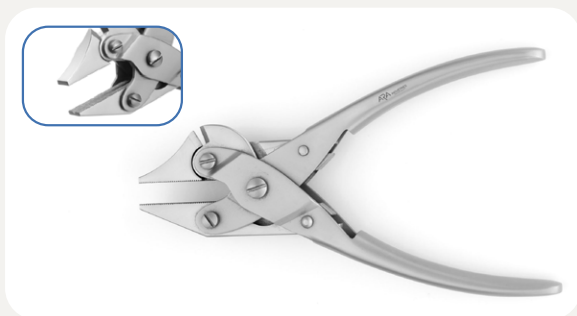


For the removal of temporary fixation pins. Narrow jaws allow access via a small incision, with a groove in the jaw to locate the pin. Jaws can be locked in position once the pin is located, to aid removal.

PIN GRIP

ARA-V-401 Pin Grip (Stainless Steel) Modified Jaw 175mm Long
ARA-V-402 Pin Grip (Industrial Finish) 165mm Long

Parallel Action Pliers



Useful for bending, holding and cutting small pins and wires. Used in conjunction with bone plate benders for contouring smaller plates. Will cut arthrodesis and 'K' wires to a maximum of 2.0mm with care.

The industrial version will stain and rust with autoclaving – lubricate well to reduce, and store dry.

PARALLEL ACTION PLIERS

ARA-V-403 Parallel Action Pliers (Stainless Steel) 170mm
ARA-V-404 Parallel Action Pliers (Industrial Finish) 165mm

'K' Wire/ 'A' Wire Extraction Forceps

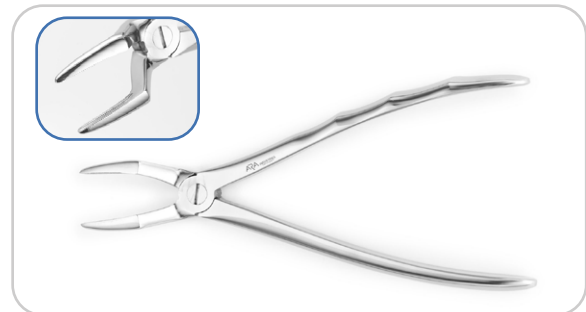


Designed to firmly grip wires 0.9mm to 2.0mm. Tungsten Carbide jaws maximise grip, fine nose minimises trauma to surrounding tissue.

'K' WIRE/ 'A' WIRE EXTRACTION FORCEPS

ARA-V-405 'K' Wire/ 'A' Wire Remover - 140mm Long

Dental Forceps for Pin and Wire Extraction

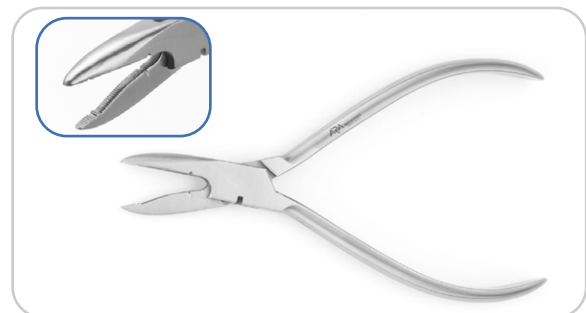


For pin, wire & screw extraction. Grooved tips come to a point, allowing work in confined spaces and close to bone with a reduced surgical approach. Anatomical handles and cranked jaws for ease of use.

DENTAL FORCEPS FOR PIN AND WIRE EXTRACTION

ARA-V-406 Dental Forceps for Pin and Wire Extraction 180mm Length

Wire Contouring Pliers



Use to contour both soft and hard wires. The jaw design has multiple anvil shapes and a pair of soft wire cutters.

WIRE CONTOURING PLIERS

ARA-V-407 Wire Contouring Pliers 150mm Long

Small Pin Vice



This Small Pin Chuck holds wires and instruments up to a diameter of 1.0mm. Particularly useful for fingertip control over insertion of Arthrodesis and 'K' Wires.

SMALL PIN VICE

ARA-V-408 Small Pin Vice 100mm Long

Jacobs Chuck



Standard instrument for intramedullary pin insertion.

Pin capacity Standard Chuck up to 1/4" (6mm)
Small Chuck up to 5/32" (4mm)

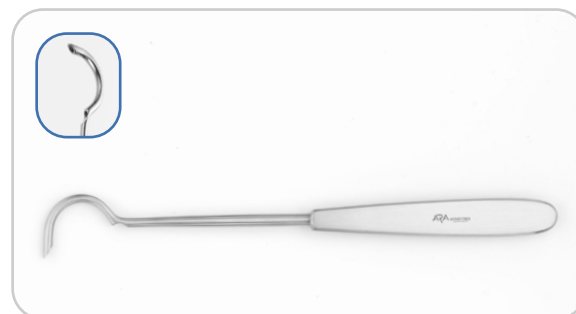
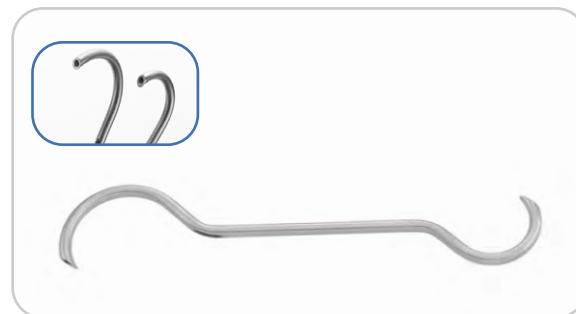
Standard chuck will grip small pins, but is heavier in use. Clean thoroughly and lubricate well, opening and closing jaws fully during cleaning procedure to maintain in good condition.

JACOBS CHUCK

ARA-V-409 Small Jacobs Chuck with Handle 5/32" Capacity 260mm
ARA-V-410 Standard Jacobs Chuck with Handle 1/4" Capacity

Wire Passers

Wire Passers

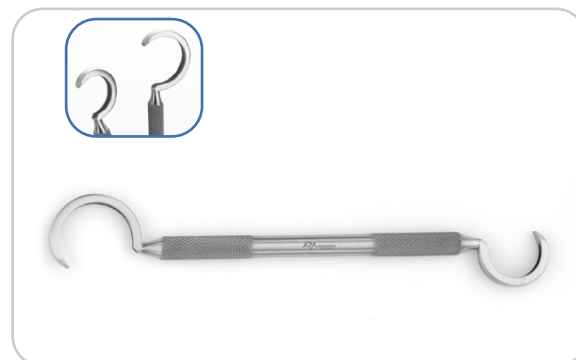


Wire passers are designed to direct cerclage wire around long bones with minimal trauma, helping reduce devascularisation of fragments. Soft tissue attachments should be preserved as far as possible.

WIRE PASSERS

ARA-V-411 Wire Passer Double-ended 145mm
ARA-V-412 Wire Passer Single-ended 20mm Diameter 205mm
ARA-V-413 Wire Passer Single-ended 30mm Diameter 220mm

Strong Cerclage Wire Passers



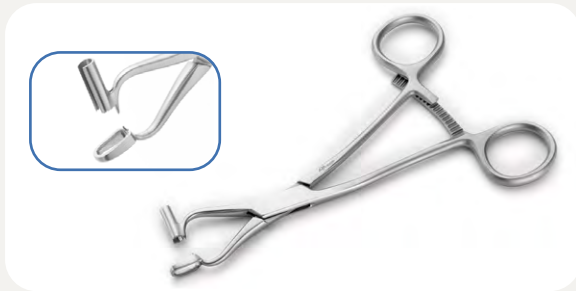
Low profile open channel wire passers, designed to allow easier passage around and between bones. Can be left in situ as wire is tightened, reducing risk of slippage. Wire can be passed from tip or handle. With a flat internal tip to assist close passage around the bone.

Sizes: Small 12.5mm/15mm, Medium 20mm/25mm, Large

STRONG CERCLAGE WIRE PASSERS

ARA-V-416 Strong Cerclage Wire Passer Small
ARA-V-417 Strong Cerclage Wire Passer Medium
ARA-V-418 Strong Cerclage Wire Passer Large

Lesser Wire Passer/ Retrieval Forceps



Really useful forceps which combine the function of a tissue protector drill guide with a method of capturing the wire on the blind side of the procedure. The open sided guide tube is toothed to minimise drill skate. Commonest applications include hemi-cerclage and passage of lateral sutures through the tibial crest.

LESSER WIRE PASSER/ RETRIEVAL FORCEPS

- ARA-V-419 Lesser Wire Passer/ Retrieval Forceps 150mm Long
- ARA-V-420 Lesser Wire Passer/ Retrieval Forceps Large 190mm Long

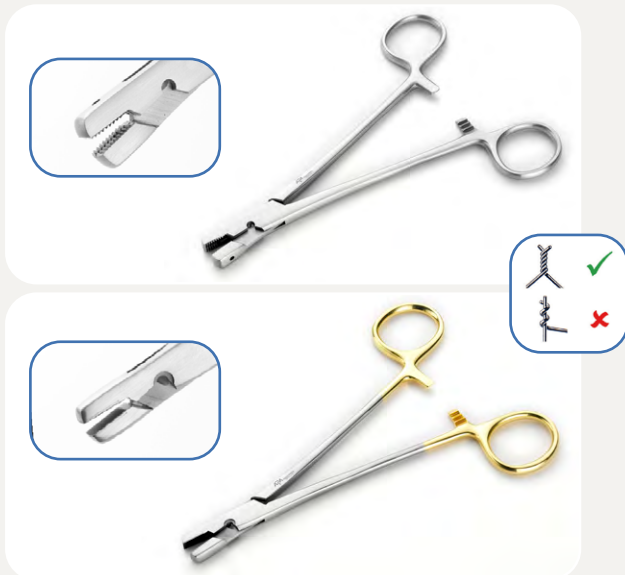
Cerclage Wire Twisters & Tighteners

Cerclage wire used to as part of a fracture repair can be useful, but is challenging and not without issues. Loose or broken wires interfere with fracture healing and can contribute to delayed and non-unions. Loops give a more secure construct with no large knot.

Basics of cerclage:

- only apply to a fracture that is fully reconstructable i.e. no comminution
- only apply to oblique or spiral fractures; the length of the fracture should be at least twice the diameter of the bone
- place a minimum of two cerclage wires, and more if fracture length allows
- cerclage wires should be spaced about 1cm apart.

Wire Twister/ Shear Cutter



- Jaws lock onto wire to enable easy twisting under tension for kink-free cerclage
- The wire must be twisted under tension to create an evenspiral.
- Improved design, long life shear action cutter will cut 18 gauge (1.2mm) wire twisted double.
- Serrated jaws grip and turn cut ends. Jaws have fenestration for extra grip.
- Not designed to cut 'A' + 'K' Wires, Pins or fish hooks.
- Available with Tungsten Carbide Jaws for extra grip (not fenestrated).

WIRE TWISTER/ SHEAR CUTTER

- ARA-V-422 Wire Twister/ Shear Cutter 165mm Long
- ARA-V-423 Wire Twister/ Shear Cutter - Tungsten Carbide Jaws 165mm Long (not fenestrated)

Wire Tightener for Eyed Wires



Used to tension eyed wires very tightly. The cerclage is finished by kinking the wire back against the eye.

WIRE TIGHTENER FOR EYED WIRES

- ARA-V-426 Wire Loop Tightener 125mm Long

Wire Tightener with Two Cranks for Double Loop Cerclage and Eyed Wire



Use with single crank for eyelet wires. Use both cranks to tighten double loops.

WIRE TIGHTENER WITH TWO CRANKS FOR DOUBLE LOOP CERCLAGE AND EYED WIRE

- ARA-V-427 Wire Tightener with Two Cranks 285mm Long

Bone Plate Contouring Bone Plate Bending Levers



Bone plates appropriate for the repair of load bearing long bones are very stiff. Accurate contouring of plates is essential for precise fracture reduction; however marking of plates during the bending process will lead to reduced fatigue strength. Contoured plates should be placed with adequate support to minimise cyclical loading.

Bone plate benders used in pairs are the most economic method of plate contouring.

BONE PLATE BENDING LEVERS

- ARA-V-428 1.0 Bending Levers (Pair) 130mm Long
- ARA-V-429 AO Type 1.5/2.0 Bending Levers (Pair) 130mm Long
- ARA-V-430 AO Type 2.4 Bending Levers (Pair) 140mm Long
- ARA-V-431 AO Type 2.7/3.5 Bending Levers (Pair) 140mm Long
- ARA-V-432 AO Type 3.5/4.5 Broad Bending Levers (Pair) 200mm Long

Extra Long Bending Levers



Extra length benders ARA-V-433 are particularly useful for contouring larger TPLO plates along with 3.5 and 4.5 standard plates.

Bone plate benders used in pairs are the most economic method of plate contouring.

EXTRA LONG BENDING LEVERS

- ARA-V-433 3.5/4.5 Extra Long Bending Levers 240mm Long

Delta TPLO Plate Benders with Curved Slots



Plate benders with slots tend to distort the Delta plate. The curved slots help grip and support the plate during the bending process. In addition the plate is much less likely to end up on the floor.

DELTA TPLO PLATE BENDERS WITH CURVED SLOTS

- ARA-V-434 Delta TPLO Plate Benders (Pair) 230mm Long

Reconstruction Plate Pliers



RECONSTRUCTION PLATE PLIERS

- ARA-V-435 Reconstruction Plate Pliers for 2.7 Plates 280mm Long
- ARA-V-436 Reconstruction Plate Pliers for 3.5 Plates 290mm Long

Plate Bending Pliers - Roller Type



PLATE BENDING PLIERS - ROLLER TYPE

- ARA-V-437 Plate Bending Pliers Roller Type 230mm Long Suitable for 3.5 mm Plates
- ARA-V-438 Plate Bending Pliers Roller Type 15" 380mm Long Suitable for 3.5 and 4.5mm Plates

Rongeurs

Rongeurs vary with respect to bite size and jaw angle. Where a rongeur has a specific function it is indicated in the description. Punch type forceps and some smaller rongeurs are described in Spinal Surgery, along with Duck Billed Rongeurs.

Simple Action Rongeurs

Typically simple action rongeurs offer a wide bite but rely on the physical strength of the surgeon. Most small rongeurs have a simple action.

Small Curved Rongeurs

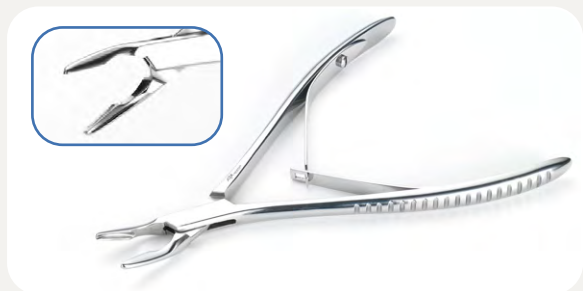


A good general purpose rongeur for small bone nibbling procedures, e.g. excision arthroplasty, arthrodesis, sequestrum removal.

SMALL CURVED RONGEURS

- ARA-V-445 Small Curved Rongeur 2mm Bite 170mm Long
- ARA-V-446 Small Curved Rongeur 3mm Bite 170mm Long
- ARA-V-447 Small Curved Rongeur 4mm Bite 170mm Long
- ARA-V-448 Small Curved Rongeur 5mm Bite 170mm Long

Mini-Friedman



Useful in bulla osteotomy.

MINI-FRIEDMAN

- ARA-V-449 Mini-Friedman Rongeur Straight 3mm Bite 155mm Long
- ARA-V-450 Mini-Friedman Rongeur Curved 3mm Bite 155mm Long

Micro-Friedman



A small spine rongeur.

MICRO-FRIEDMAN

- ARA-V-451 Micro-Friedman Rongeur Straight 2.2mm Bite 155mm Long
- ARA-V-452 Micro-Friedman Rongeur Curved 2.2mm Bite 155mm Long

Lempert Straight



Useful for spines and bulla osteotomy.

LEMPERT STRAIGHT

- ARA-V-453 Lempert Rongeurs Straight 3mm Bite 190mm Long

Compound Action Rongeurs

The compound action give a mechanical advantage to the surgeon but reduces the bite width.

Jansen



Compound action, powerful but small bite.

JANSEN

- ARA-V-454 Jansen Rongeur Straight 4mm Bite 190mm Long
- ARA-V-455 Jansen Rongeur Curved 4mm Bite 190mm Long

Ruskin (Liston) Rongeur



A heavy duty compound action rongeur.

RUSKIN

- ARA-V-456 Ruskin (Liston) Rongeur Straight 6mm Bite 230mm Long
- ARA-V-457 Ruskin (Liston) Rongeur Curved 6mm Bite 230mm Long

Stille-Luer



A very large rongeur.

STILLE-LUER

- ARA-V-458 Stille-Luer Heavy Compound Action Straight 8mm Bite 225mm
- ARA-V-459 Stille-Luer Heavy Compound Action Curved 8mm Bite 225mm

Bone Cutters
Simple Action Cutters
Small Angled Cutters

A very useful small cutter. The jaw is angled to allow cutting where access is restricted, e.g. excision arthroplasty in cats and small dogs and tibial crest transplant. The design allows for transection of the tibial crest while retaining distal periosteal attachments. Also useful for articular cartilage removal in arthrodesis, digit and tail amputations.



SMALL ANGLED CUTTERS

ARA-V-460 Small Angled Cutter 15mm Blade 170mm Long

Large Angled Cutters



Similar style to the Small Angled Cutters, but more powerful and more robust due to their size. The simple action allows a wider jaw opening. The angled jaws, more slender than similar sized Liston's, offer better visibility and access into tight spots. The notch in the jaws serves to improve visibility further and make accurate cuts more achievable.

LARGE ANGLED CUTTERS

ARA-V-461 Large Angled Cutters 19mm Jaw 230mm Long

Liston



A widely used bone cutter with jaw options: straight & angled.

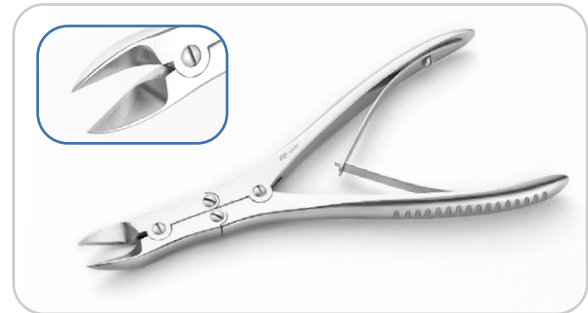
LISTON

- ARA-V-462 Liston 25mm Blade Str 5" 12.5cm Long
- ARA-V-463 Liston 25mm Blade Angled 6" 15cm Long
- ARA-V-464 Liston 25mm Blade Str 7" 18cm Long
- ARA-V-465 Liston 25mm Blade Angled 7" 18cm Long
- ARA-V-466 Liston 30mm Blade Str 8" 20cm Long
- ARA-V-467 Liston 30mm Blade Angled 8" 20cm Long
- ARA-V-468 Liston 30mm Blade Str 9" 23cm Long

Compound Action Bone Cutters

All three following designs are similar but vary according to size of bite.

McIndoe



Compound jointed action gives power but reduces bite size.

MCINDOE

ARA-V-469 McIndoe 15mm Blade Angled 170mm Long

Ruskin (Liston)

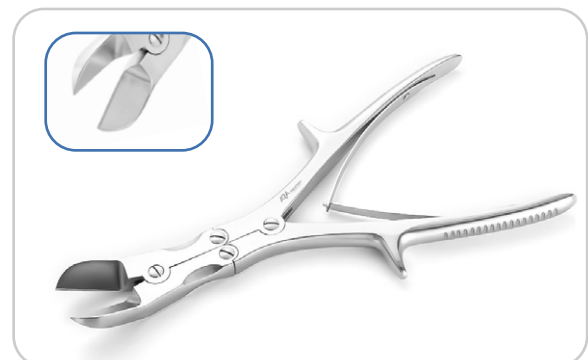


Similar in design to McIndoe but larger.

RUSKIN

- ARA-V-470 Ruskin (Liston) 25mm Blade Str 190mm Long
- ARA-V-471 Ruskin (Liston) 25mm Blade Aof 190mm Long

Horsley



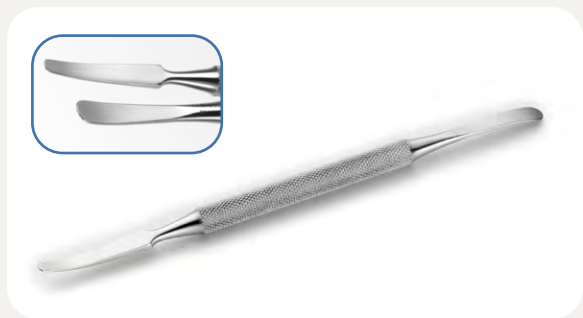
Heavy duty compound action cutters.

HORSLEY

- ARA-V-472 Horsley Cutter 35mm Blade Angled 260mm Long
- ARA-V-473 Horsley Cutter 35mm Blade Str 260mm Long
- ARA-V-474 Horsley Cutter 35mm Blade Angled 450mm Long

Periosteal Elevators

Periosteal Elevator/ Bone Lever



One end of this instrument is bent for use as a hook for retrieving and manipulating bone fragments. The other end is a periosteal elevator useful for clearing soft tissue from bone prior to plating, drilling or burring.

PERIOSTEAL ELEVATOR/ BONE LEVER

ARA-V-475 Bone Lever/ Periosteal Elevator 4mm/ 7mm 195mm Long

Freer Periosteal Elevator



The Freer Elevator is a fine instrument which is particularly useful in spinal work.

FREER PERIOSTEAL ELEVATOR

ARA-V-476 Freer Periosteal Elevator 5mm 180mm Long

Howarth Dissector (Modified)

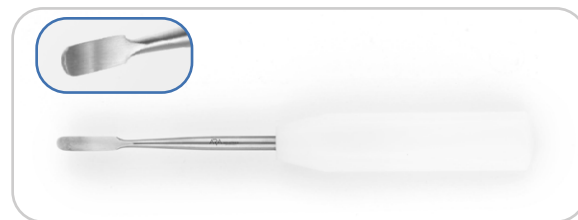


Specifically to clear soft tissues from the proximal tibia in the TPLO procedure. It is also useful as a general purpose periosteal elevator. One end acts as a curved periosteal elevator and the other end is straight.

HOWARTH DISSECTOR (MODIFIED)

ARA-V-477 Howarth Dissector (Modified) 225mm Long

AO Type Periosteal Elevator



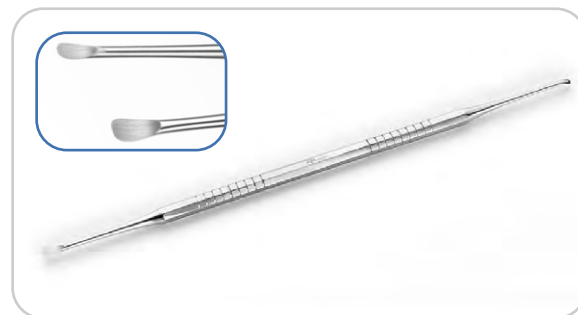
The AO type instrument is the archetypal 'periosteal elevator'. Available in a curved 6mm tip and a square 6mm tip.

AO TYPE PERIOSTEAL ELEVATOR

ARA-V-478 Curved 6mm Teflon Handle AO Type 180mm Long

ARA-V-479 Square Ended Tip AO Type 6mm 190mm Long

Periosteal Elevator Very Fine



PERIOSTEAL ELEVATOR VERY FINE

ARA-V-480 Very Fine 2mm/ 3mm Periosteal Elevator 180mm Long

Molt Periosteal Elevator (4mm/6mm)

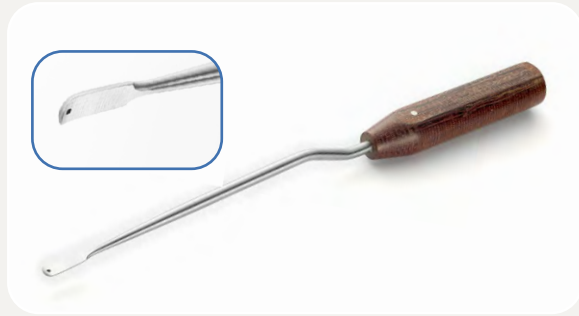


Molt is a Double Ended Periosteal Elevator. The two tips are round and dished. 4mm and 6mm diameters.

MOLT PERIOSTEAL ELEVATOR (4MM/6MM)

ARA-V-481 Molt Periosteal Elevator 2/4 (4MM/6MM) 200mm

MIPO Minimally Invasive Plate Osteosynthesis Elevator

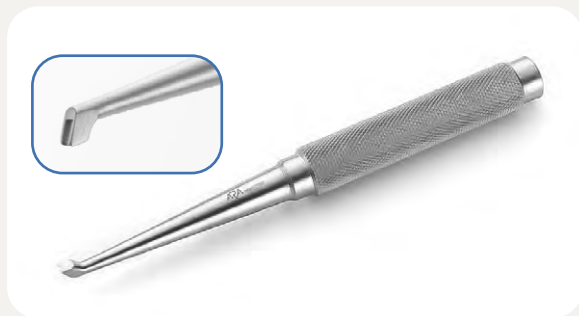


This instrument is not so much a periosteal elevator more a dissecting probe to clear a tunnel under muscle layers for the plate. The periosteum is in fact left intact.

MIPO ELEVATOR

ARA-V-482 MIPO Elevator 280mm Long

Offset K/A Wire Punch For Bent Pins

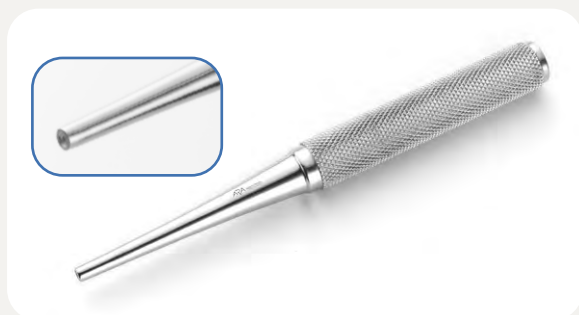


The bigger, angled foot of this punch is designed to allow bent-over arthrodesis or K wires to be driven home onto the bone surface. May also be used for Rush pins.

OFFSET K/A WIRE PUNCH FOR BENT PINS

ARA-V-483 Offset K/A Wire Punch For Bent Pins 135 mm Long

'K'/'A' Wire/ Small Pin Punch



The cut ends of 'K' Wires, Arthrodesis Wires and small pins used for fragment fixation e.g. distal femoral fractures, should be buried beneath the bone or articular surface to minimise soft tissue irritation. The tip of the punch is concave to locate onto the pin end. The other end is struck with a mallet. Use ARA-V-484 for Pins and ARA-V-484S for Wires.

'K'/'A' WIRE/ SMALL PIN PUNCH

ARA-V-484 'K'/'A' Wire/ Small Pin Punch 135mm Long
ARA-V-484S Small Pin Punch 1.6mm Tip 135mm Long

IM Pin Punch



IM Pin Punch with a larger diameter tip (6mm) for driving larger pins.

IM PIN PUNCH

ARA-V-485 IM Pin Punch 135mm Long 6mm Tip

'Stubby' Punch



The reduced working length allows the stubby punch to be held between thumb and forefinger much closer to the patient for increased control. This is especially useful when working without an assistant. 50mm long.

'STUBBY' PUNCH

ARA-V-486 'Stubby' Punch 50mm Long

'K' Wire Bender



Used to bend K and A wires prior to rotation and seating onto the bone. This instrument is designed to slip over the wire concentrating all the bending forces at the pin/bone interface. The instrument is double ended, the small end is for 0.9mm and 1.1mm wires, the large end is for 1.4mm, 1.6mm & 2.0mm wires.

'K' WIRE BENDER

ARA-V-487 'K' Wire/ Small Pin Bender 140mm Long

Offset Wire Bender



A robust design for the accurate and reliable creation of bends close to the bone surface. The three cannulations (1.1mm, 1.6mm and 2.0 mm) cater for the full range of our arthrodesis wires. The short length of each cannulation makes these easy to clean.

OFFSET WIRE BENDER

ARA-V-488 Offset Type Wire Bender
The three cannulations (1.1mm, 1.6mm and 2.0 mm)

Osteotomes, Gouges & Chisels

'Stubby' Osteotome



Available from 3mm to 14mm and 70mm long

'STUBBY' OSTEOTOME

- ARA-V-493 'Stubby' Osteotome 3mm 70mm Long
- ARA-V-494 'Stubby' Osteotome 4mm 70mm Long
- ARA-V-495 'Stubby' Osteotome 6mm 70mm Long
- ARA-V-496 'Stubby' Osteotome 8mm 70mm Long
- ARA-V-497 'Stubby' Osteotome 10mm 70mm Long
- ARA-V-498 'Stubby' Osteotome 12mm 70mm Long
- ARA-V-499 'Stubby' Osteotome 14mm 70mm Long

Osteotomes - Swedish Pattern



Use an osteotome to make a precise elective cut, e.g. trochanteric osteotomy, excision arthroplasty.

OSTEOTOMES - SWEDISH PATTERN

- ARA-V-500 Osteotome Swedish 30mm 205mm Long
- ARA-V-501 Osteotome Swedish 25mm 205mm Long
- ARA-V-502 Osteotome Swedish 20mm 205mm Long
- ARA-V-503 Osteotome Swedish 15mm 205mm Long
- ARA-V-504 Osteotome Swedish 12mm 205mm Long

Osteotomes - Light Pattern



Use an osteotome to make a precise elective cut, e.g. trochanteric osteotomy, excision arthroplasty.

OSTEOTOMES - LIGHT PATTERN

- ARA-V-505 Osteotome Light 15mm 140mm Long
- ARA-V-506 Osteotome Light 12mm 140mm Long
- ARA-V-507 Osteotome Light 10mm 140mm Long
- ARA-V-508 Osteotome Light 8mm 140mm Long
- ARA-V-509 Osteotome Light 6mm 140mm Long
- ARA-V-510 Osteotome Light 4mm 140mm Long

Modular Osteotome with Ultra-thin Interchangeable Blades and Diamond Rasp



Teflon osteotome handle which accepts a good range of blades plus a diamond rasp. Blades are very thin (1.1mm) allowing fine cuts and reducing the incidence of braking the block during block sulcoplasty procedures.

MODULAR OSTEOTOME

- ARA-V-511 Modular Osteotome Handle
- ARA-V-512 Modular Osteotome Replacement Blade 4mm
- ARA-V-513 Modular Osteotome Replacement Blade 5mm
- ARA-V-514 Modular Osteotome Replacement Blade 6mm
- ARA-V-515 Modular Osteotome Replacement Blade 8mm
- ARA-V-516 Modular Osteotome Replacement Blade 10mm
- ARA-V-517 Modular Osteotome Replacement Blade 12mm
- ARA-V-518 Modular Osteotome Replacement Blade 15mm
- ARA-V-519 Modular Osteotome Replacement Blade 20mm
- ARA-V-520 Modular Diamond Rasp 6mm

Gouges



Use a gouge where bone contouring is essential.

GOUGES

- ARA-V-521 Gouge 12mm 140mm Long
- ARA-V-522 Gouge 12mm 205mm Long
- ARA-V-523 Gouge 10mm 140mm Long
- ARA-V-524 Gouge 8mm 140mm Long
- ARA-V-525 Gouge 6mm 140mm Long
- ARA-V-526 Gouge 4mm 140mm Long

Chisels Swedish Pattern



Use a chisel where heavier bone removal is required, e.g. sequestrum removal.

CHISELS SWEDISH PATTERN

- ARA-V-532 Chisel Swedish Pattern 12mm 205mm Long
- ARA-V-533 Chisel Swedish Pattern 15mm 205mm Long
- ARA-V-534 Chisel Swedish Pattern 20mm 205mm Long
- ARA-V-535 Chisel Swedish Pattern 25mm 205mm Long

Chisels



Use a chisel where heavier bone removal is required, e.g. sequestrum removal.

CHISELS

- ARA-V-527 Chisel 12mm 140mm Long
- ARA-V-528 Chisel 10mm 140mm Long
- ARA-V-529 Chisel 8mm 140mm Long
- ARA-V-530 Chisel 6mm 140mm Long
- ARA-V-531 Chisel 4mm 140mm Long

Trephine

Trephine



Stainless steel and re-usable with a retractable stylet. Extend the stylet to provide secure location at the trephine site until trephine teeth bite. Withdraw the stylet to harvest the bone. Push the bone core out using the stylet. Where a very long core is required the stylet may be removed completely.

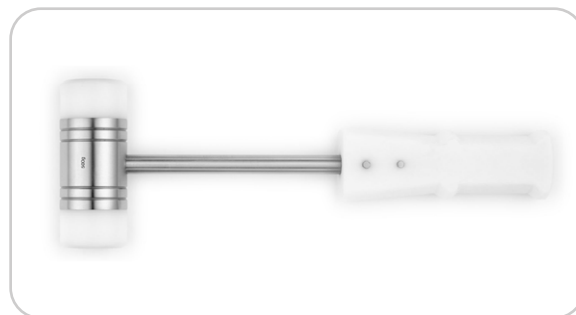
- Creation of window for bone graft harvest.
- Cortical bone biopsy.

TREPINE

- ARA-V-536 Trephine 8mm o/d 6mm Core 170mm Long
- ARA-V-537 Trephine 6mm o/d 4mm Core 115mm Long
- ARA-V-538 Trephine 5mm o/d 3mm Core 115mm Long

Mallets

Orthopaedic Mallet



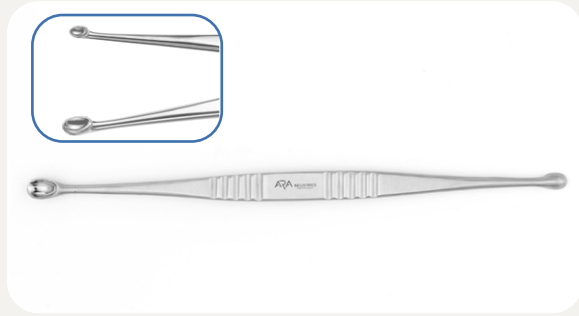
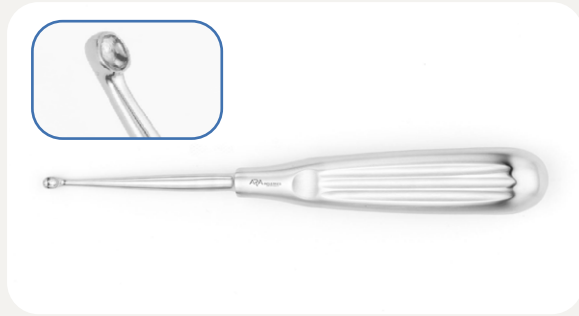
For use with osteotomes, chisels, gouges and staples. Different weights are available according to surgeon preference and patient size.

ORTHOPAEDIC MALLET

- ARA-V-539 Mallet 140g 155mm Long
- ARA-V-540 Mallet 300g 220mm Long
- ARA-V-541 Heavy Mallet 500g 240mm Long
- ARA-V-542 Nylon Faced Mallet 500g 240mm Long
- ARA-V-543 Nylon Faced Mallet 300g

Bone Scoop

Volkman Bone Scoop



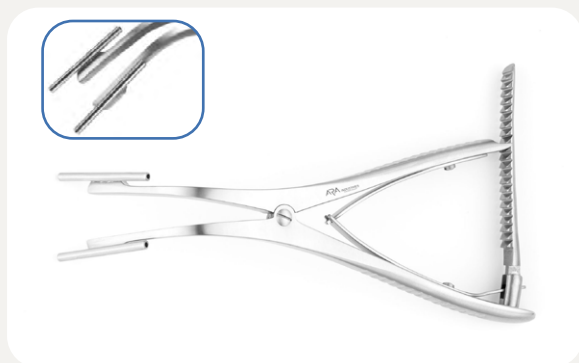
Useful for heavy curettage and collection of cancellous bone grafts.

VOLKMAN BONE SCOOP

- ARA-V-544 Volkman Single Ended Scoop 3mm 170mm Long
- ARA-V-545 Volkman Single Ended Scoop 5mm 170mm Long
- ARA-V-546 Volkman Single Ended Scoop 6mm 170mm Long
- ARA-V-547 Volkman Single Ended Scoop 6mm 170mm Long
- ARA-V-548 Volkman Scoop Double Ended Small 4mm/ 6mm 200mm
- ARA-V-549 Volkman Scoop Double Ended Medium 5mm/ 6mm 200mm
- ARA-V-550 Volkman Scoop Double Ended Large 6mm/ 8mm 200mm

Orthopaedic Distractors

Small Distractor with Ratchet



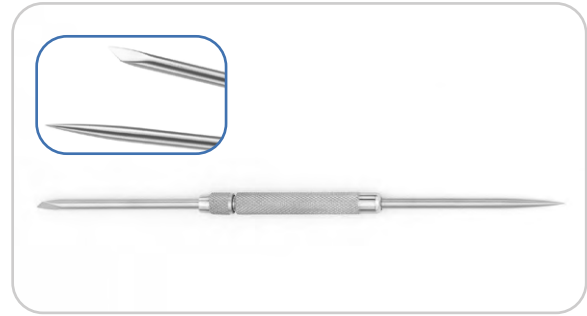
The Small Ratcheted Distractor uses 1.5 or 1.6 'K' or 'A' wires as distraction pins. The pins are driven into place through the tubes on the distractor arm. Threaded pins may be used for additional security. Squeezing the arms of the distractor separates the pins and thus the bone fragments and the ratchet holds them in the new position. Range of distraction 12mm - 60mm.

SMALL DISTRACTOR WITH RATCHET

- ARA-V-553 Small Distractor with Ratchet 185mm Long

Bone Scribe

Bone Scribe



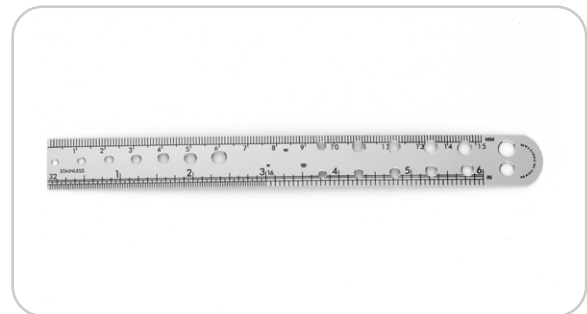
A very sharp marking point with an easy to hold handle enables the surgeon to mark bone prior to cutting or rotating (Slocum procedure). One end is pointed and the other is sharpened as a blade.

BONE SCRIBE

- ARA-V-554 Bone Scribe (Double Ended) 200mm Long

Measuring Devices

Orthopaedic Ruler

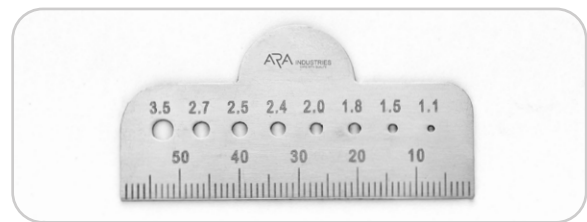


Used to measure pins, wires, drills and screw diameter.

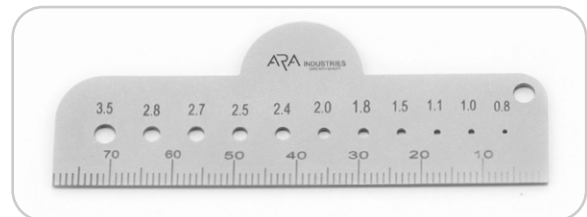
ORTHOPAEDIC RULER

- ARA-V-555 Orthopaedic Ruler Imperial 175mm Long

Drill & Screw Gauge



Measures screws up to 60mm and drills from 1.1mm to 3.5mm.



Measures screws up to 80mm and drills from 0.8mm to 3.5mm.

DRILL & SCREW GAUGE

- ARA-V-556-60 Drill and Screw Gauge 60mm Long
- ARA-V-556-80 Drill and Screw Gauge 80mm Long

Xray Marker with Scale

Xray Marker with Scale



A reliable scale is very important, regardless of the system used, particularly when submitting radiographs for an opinion. Left/right markers are essential. A flexible stand is also available allowing this combined marker to be positioned at the same level as the area of interest to improve accuracy.

XRAY MARKER WITH SCALE

ARA-V-557 Xray Marker with Scale Set Left and Right

Wire & Pin Storage

Bone Pin Tubes



BONE PIN TUBES

ARA-V-558A I/M Pin Storage/ Autoclave Tube 320mm

ARA-V-558B I/M Pin Storage/ Autoclave Tube 255mm

A And K Wire Holders For 5" / 125mm Wires



The simplest solution for storing 'A'/'K' wires is to have a tube dedicated for each size marked clearly with the diameter. There is no possibility for confusion. Each tube is 165mm long and 12mm diameter and will take any wire less than 150mm in length.

K WIRE / A WIRE HOLDERS FOR 5"/125MM WIRES

- ARA-V-5580.8 0.8mm Arthrodesis Wire/ 'K' Wire Holder
- ARA-V-5580.9 0.9mm Arthrodesis Wire/ 'K' Wire Holder
- ARA-V-5581.0 1.0mm Arthrodesis Wire/ 'K' Wire Holder
- ARA-V-5581.1 1.1mm Arthrodesis Wire/ 'K' Wire Holder
- ARA-V-5581.2 1.25mm Arthrodesis Wire/ 'K' Wire Holder
- ARA-V-5581.4 1.4mm Arthrodesis Wire/ 'K' Wire Holder
- ARA-V-5581.5 1.5mm Arthrodesis Wire/ 'K' Wire Holder
- ARA-V-5581.6 1.6mm Arthrodesis Wire/ 'K' Wire Holder
- ARA-V-5581.8 1.8mm Arthrodesis Wire/ 'K' Wire Holder
- ARA-V-5582.0 2.0mm Arthrodesis Wire/ 'K' Wire Holder

'A' Wire/ 'K' Wire Dispenser



The Tube is sub divided into four sections each of which has a window through which the Wires may be viewed. The knurled dispensing tip is rotated until the hole is over the desired wire size and the Wire shaken out. Total length 175mm. For Wires 125mm. Marked with the standard sizes of 0.9, 1.1, 1.6 and 2.0mm.

'A' WIRE/ 'K' WIRE DISPENSER

ARA-V-558E A' Wire/ 'K' Wire Dispenser 0.9, 1.1, 1.6 & 2.0mm

Orthopaedic Wire

Orthopaedic Wire



Cerclage Wire is an extremely useful method of fragment fixation. Use as thick a Wire as seems possible. Twist evenly under tension. The best instrument is our Wire Twister/ Cutter ARA-V-422. Minimise wire movement on periosteum. Tension wire banding should be performed where muscular forces must be transferred beyond a fracture or osteotomy, e.g. Tibial crest avulsion or trochanteric osteotomy. 1.0mm Wire is the most useful for mid-sized dogs. All are supplied in 10 metre rolls.

ORTHOPAEDIC WIRE

- ARA-V-560 Orthopaedic Wire 0.3
- ARA-V-561 Orthopaedic Wire 0.4
- ARA-V-562 Orthopaedic Wire 0.45
- ARA-V-563 Orthopaedic Wire 0.56
- ARA-V-564 Orthopaedic Wire 0.71
- ARA-V-565 Orthopaedic Wire 0.8
- ARA-V-566 Orthopaedic Wire 0.9
- ARA-V-567 Orthopaedic Wire 1
- ARA-V-568 Orthopaedic Wire 1.25
- ARA-V-569 Orthopaedic Wire 1.5

For convenience and identification rolls of Orthopaedic Wire can be marked with Padlock Security Tags This also has the added advantage of stopping rolls of wire unraveling in the operating theatre.

Taps & Quick Release Handles

Quick Release Handle Dental Fit



Suitable for Dental Fit 1.5 and 2.0mm Taps. Also accepts Screwdriver and Countersink Attachments for the 1.5/2.0 Systems.

QUICK RELEASE HANDLE DENTAL FIT

ARA-V-570	Handle for 1.5mm & 2.0mm Tap (Dental Fit) 120mm
ARA-V-571	1.5mm Cortical Tap (Dental Fit)
ARA-V-572	2.0mm Cortical Tap (Dental Fit)
ARA-V-573	1.5/2.0/2.4mm Hex Dental Fit Screwdriver Attachment
ARA-V-574	Mini Countersink Dental Fit for 1.5/2.0mm Screws 55mm

Quick Release T Bar Handle - AO Fit



A Tap is essentially a cutting tool designed to pre-cut screw threads into the pilot hole prior to screw placement. The profile is similar to the screw in question but has long flutes to allow bone debris to be cleared. Taps are available as stand alone 'T' bar configuration or as a quick release version which require a separate handle. 2.4, 2.7, 3.5, 4.0, 4.5 and 6.5mm Quick Release Taps require Synthes Type Quick Release Handle. 1.5 and 2.0mm Quick Release Taps require a Small Dental Fit Handle.

QUICK RELEASE T BAR HANDLE - AO FIT

ARA-V-575	Handle for 2.4, 2.7, 3.5, 4.0, 4.5 Taps. Synthes Fit 75mm
-----------	---

Quick Release Handle - Teflon Type - AO Fit



The working tip of this instrument is a Quick Release Chuck of the Synthes Type which accepts Drills, Taps and Screwdriver Attachments. Inclusion of this handle would mean that you would not require separate tap handles and screwdriver. The rotating cap which sits in the palm allows the tip to be spun with the fingers.

QUICK RELEASE HANDLE - TEFLON TYPE - AO FIT

ARA-V-576	Quick Release Handle - Teflon Type AO Fit 155mm
-----------	---

T Bar Taps



These taps require no additional handle.

T BAR TAPS

ARA-V-577	T Bar Tap 1.5mm
ARA-V-578	T Bar Tap 2.0mm
ARA-V-579	T Bar Tap 2.7mm
ARA-V-580	T Bar Tap 3.5mm
ARA-V-581	T Bar Tap 3.5mm
ARA-V-582	T Bar Tap 4.5mm
ARA-V-583	T Bar Tap 6.5mm

Taps - Quick Release



TAPS - QUICK RELEASE

ARA-V-5831.5-A	1.5mm Cortical Tap (will only fit ARA-V-570)
ARA-V-5832.0-A	2.0mm Cortical Tap (will only fit ARA-V-570)
ARA-V-5832.4	2.4mm Cortical Tap
ARA-V-5832.7	2.7mm Cortical Tap
ARA-V-5833.5	3.5mm (1.25 pitch) Cortical Tap
ARA-V-5833.5	3.5mm (1.75 pitch) Small Cancellous Tap
ARA-V-5834.5	4.5mm Cortical Tap
ARA-V-5834.5L	4.5mm Extra Long Tap (195mm Long) 100mm Thread
ARA-V-5834.5XL	4.5mm Extra Long Tap (260mm Long) 195mm Thread
ARA-V-5836.5	6.5mm Cancellous Tap

Locking Screw Taps



Since the introduction of Locking Screws into veterinary orthopaedics we have had the feedback that the self tapping feature works well in relatively soft bone (e.g. proximal tibia for TPLO) but it is less effective in dense cortical bone where getting the screw started can be a challenge. Starting the screw at any angle other than 90 degrees to the plate will have serious consequences when the locking threads meet the plate. In addition if the screw does not tap the trans cortex efficiently a disc of bone may be punched from the bone surface as the

LOCKING SCREW TAPS

- ARA-V-584 Tap for 3.5 Locking Screws
- ARA-V-585 Tap for 2.7 Locking Screws
- ARA-V-586 Tap for 2.4 Locking Screws
- ARA-V-587 Tap for 2.0 Locking Screws
- ARA-V-576 Quick Release Handle - Teflon Type

Drill Guides, Sleeves & Drill Stops

Universal Drill Guides



ARA-V-5882.0 – Universal Drill Guide for 2.0mm screws

For Load and Neutral positioning of Ø1.5mm Drills and tissue protector for Ø2.0mm Tap

ARA-V-5882.4 – Universal Drill Guide for 2.4mm screws

For Load and Neutral positioning of Ø1.8mm Drills and tissue protector for Ø2.4mm Tap

ARA-V-5882.7 – Universal Drill Guide for 2.7mm screws

For Load and Neutral positioning of Ø2.0mm Drills and tissue protector for Ø2.7mm Tap

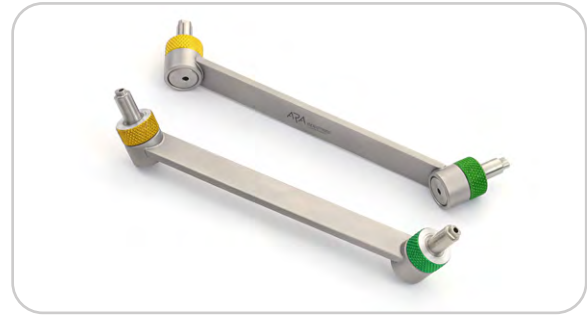
ARA-V-5883.5 – Universal Drill Guide for 3.5mm screws

For Load and Neutral positioning of Ø2.5mm Drills and tissue protector for Ø3.5mm Tap

UNIVERSAL DRILL GUIDES

- ARA-V-5881.5 Universal Drill Guide For 1.5mm Screws
- ARA-V-5882.0 Universal Drill Guide For 2.0mm Screws
- ARA-V-5882.4 Universal Drill Guide For 2.4mm Screws
- ARA-V-5882.7 Universal Drill Guide For 2.7mm Screws
- ARA-V-5883.5 Universal Drill Guide For 3.5mm Screws

Load Neutral Drill Guides



To exert compression at the fracture site, the cortical screw must be positioned precisely within the slot in the compression plate. The Load/Neutral Drill Guide has two tips, one for compression (load) and one where no compression is exerted (neutral). There is one combination for each screw/ plate size. Each guide is marked with the drill size to be used.

LOAD NEUTRAL DRILL GUIDES

- ARA-V-645 Drill Guides For 1.5mm Compression Plates
- ARA-V-646 Drill Guides For 2.0mm Compression Plates
- ARA-V-647 Drill Guides For 2.4mm Compression Plates
- ARA-V-648 Drill Guides For 2.7mm Compression Plates
- ARA-V-649 Drill Guides For 3.5mm Compression Plates
- ARA-V-650 Drill Guides For 4.5mm Compression Plates
- ARA-V-651 Drill Guides For 5.5mm Compression Plates

C Drill Guide



Use of an appropriate sized Drill Guide enables the surgeon to control exactly the entry and exit points of drills. This ability is extremely important in lag screwing.

Various Insert Sleeves are available for each drill size, with an accurate guidance system, and provide exact positioning of holes for lag screwing, (e.g. for a 3.5mm Cortical Screw, Drill 3.5 lag hole in proximal cortex, insert ARA-V-609 and drill through it into the trans cortex. Finally tap and insert Screw.)

C DRILL GUIDE

- ARA-V-589 Small Drill Guide i/d 3.5mm 'C' Guide 135mm
- ARA-V-590 Large Drill Guide i/d 6.5mm 'C' Guide 140mm

Adjustable Drill Guide



Our Adjustable Drill Guide allows accurate placement of drill holes by predetermination of drill entry and exit points. Locks onto bone to minimise errors.

- The swivelling point allows use of the guide where access is limited.
- Supplied with 2.0, 2.5 and 3.5 Drill Sleeves. Use the appropriate Sleeve for the Drill in use.
- A scale on the instrument measures hole depth.
- Applications include condyle fractures, femoral neck tunnels, screw holes, and ununited anconeal process.

In our view this design has significant advantages over ‘CEG’ and ‘C’ guides.

ADJUSTABLE DRILL GUIDE

- ARA-V-590AD2.0/3.5 Adjustable Drill Guide for 2.0/2.5/3.5mm Drills 175mm
- ARA-V-590AD4.5 Adjustable Drill Guide 4.5mm Drills 190mm
- ARA-V-590AD5.5 Slider to fit 5.5 Cortical (equine) Screws fits ARA-V-590AD4.5 75mm

Triple Drill Guides



Triple Drill Guides are used to accurately position drills and ‘K’ or arthrodesis wires. The three holes in the head allow for the placement of parallel anti-rotation wires.

TRIPLE DRILL GUIDE/SLEEVES

- ARA-V-591 Double Drill Guide/ Sleeve for 1.1 & 1.5mm Drills 100mm
- ARA-V-592 Triple Drill Guide/ Sleeve for 2.0mm Drills 115mm
- ARA-V-593 Triple Drill Guide/ Sleeve for 2.5mm Drills 115mm

Drill Guide 0.7mm/1.0mm



Due to the size limitations, this device serves only as a drill guide and cannot be used as an insert sleeve or tap guide.

DRILL GUIDE 0.7MM/1.0MM

ARA-V-594 Drill Guide 0.7mm/1.0mm

Self-Centring Drill Guides



Whether it be for external fixation or screw application, it is desirable for implants to be positioned fairly centrally into bones. Sized for the most popular drill-bits, these devices will help achieve accurate positioning of pilot holes.

SELF-CENTRING DRILL GUIDES

- ARA-V-595 Self-centring Drill-guide for Ø1.1mm Drill 10mm spread
- ARA-V-596 Self-centring Drill-guide for Ø1.5mm Drill 12mm spread
- ARA-V-597 Self-centring Drill-guide for Ø2.0mm Drill 14mm spread
- ARA-V-598 Self-centring Drill-guide for Ø2.5mm Drill 18mm spread
- ARA-V-599 Self-centring Drill-guide for Ø3.2mm Drill 23mm spread

Combination Drill, Tap and Insert Sleeve



The large end has an internal diameter which matches the clearance drill and tap. The small end has an internal diameter the same as the pilot drill and an external diameter which fits the clearance drill hole, ie. the same as an insert sleeve. This single instrument contains all the guides and sleeves you need to place a lag screw.

COMBINATION DRILL, TAP AND INSERT SLEEVE

- ARA-V-600 Combination Drill, Tap & Insert Sleeve for 2.0 Screws 100mm
- ARA-V-601 Combination Drill, Tap & Insert Sleeve for 2.4 Screws 105mm
- ARA-V-602 Combination Drill, Tap & Insert Sleeve for 2.7 Screws 110mm
- ARA-V-603 Combination Drill, Tap & Insert Sleeve for 3.5 Screws 115mm
- ARA-V-604 Combination Drill, Tap & Insert Sleeve for 4.5 Screws 130mm

Insert Sleeves



Drill Sleeves centre smaller drills in the placement of lag screws.

INSERT SLEEVES

- ARA-V-605 Insert Sleeve 2.0mm o/d 1.5mm i/d
- ARA-V-606 Insert Sleeve 2.4mm o/d 1.8mm i/d
- ARA-V-607 Insert Sleeve 2.7mm o/d 2.0mm i/d
- ARA-V-608 Insert Sleeve 3.5mm o/d 2.0mm i/d
- ARA-V-609 Insert Sleeve 3.5mm o/d 2.5mm i/d
- ARA-V-610 Insert Sleeve 3.5mm o/d 2.7mm i/d
- ARA-V-611 Insert Sleeve 4.5mm o/d 3.2mm i/d
- ARA-V-612 Insert Sleeve 5.5mm o/d 4.0mm i/d
- ARA-V-613 Insert Sleeve 6.5mm o/d 4.5mm i/d

Tissue Protection Sleeves



Rotating pins, drills and taps will “pick up” soft tissues, skin, muscle, nerve and blood vessels, causing serious damage. Use of tissue protection sleeves minimises such damage. The teeth at the top of the guide locate on the bone whilst the stainless tube provides a barrier between soft tissue and implant equipment.

TISSUE PROTECTION SLEEVES

- ARA-V-614 For Drill/ Taps to 2.0mm 90mm
- ARA-V-615 For Drill/ Taps to 2.4mm 90mm
- ARA-V-616 For Drill/ Taps to 2.7mm 90mm
- ARA-V-617 For Drill/ Taps to 3.5mm 90mm
- ARA-V-618 For Drill/ Taps to 4.5mm 90mm

Countersinks

Countersinks - Quick Release



If the screw is destined to screw down onto the surface of the bone without a plate, it is helpful to contour the top of the screw hole to fit the screw head. This procedure is especially important when lag screwing relatively small fragments. Failure to countersink may lead to fracture of the bone fragment.

COUNTERSINKS - QUICK RELEASE

- ARA-V-C1.5/2.0 Quick Release Countersink For 1.5/2.0mm Screws Dental Fit
- ARA-V-C2.4/2.7 Quick Release Countersink For 2.4/2.7mm Screws AO Fit
- ARA-V-C3.5/4.0 Quick Release Countersink For 3.5/4.0mm Screws AO Fit
- ARA-V-C4.5/6.5 Quick Release Countersink For 4.5/6.5mm Screws AO Fit

Countersinks - Fixed Handle



COUNTERSINKS - FIXED HANDLE

- ARA-V-C1.5/2.0T-A T Bar Countersink for 1.5/2.0mm Screws
- ARA-V-C2.4/2.7T-A T Bar Countersink for 2.4/2.7mm Screws
- ARA-V-C3.5/4.0T-A T Bar Countersink for 3.5/4.0mm Screws
- ARA-V-C4.5/6.5T-A T Bar Countersink for 4.5 - 6.5mm Screws

Premium Countersinks



The drawbacks of using standard countersinks is that cone shaped recesses are created that only allow point contact with the hemi-spherical underside of AO type screw. This may contribute to premature screw loosening and in some cases the wedge effect created may predispose to split propagation from the hole. Optimal screw stability and force transfer is only achieved if the shape of the countersink recess matches the size and shape of the screw-head. This is achieved with our range of premium countersinks. Available only with AO quick release coupling.

PREMIUM COUNTERSINKS

- ARA-V-621 Premium Countersink 2.0mm AO Quick Fit Coupling
- ARA-V-622 Premium Countersink 2.4/ 2.7mm AO Quick Fit Coupling
- ARA-V-623 Premium Countersink 3.5/ 4.0mm AO Quick Fit Coupling
- ARA-V-624 Premium Countersink 4.5/ 6.5mm AO Quick Fit Coupling

Screwdrivers

Cruciate Screwdrivers

Cruciate Screwdriver Handle & Insert for 1.0mm Screws



The 1.0mm Screwdriver consists of an Insert and Handle. The Insert is a dedicated crosshead screwdriver tip for use with our 1.0mm screws. The central 'pip' on the end engages with a small recess in the centre of our 1.0mm screwheads.

SCREWDRIVER FOR 1.0MM SCREWS

ARA-V-SD1.0-A Screwdriver Insert for 1.0mm Screws - Dental Fit
ARA-V-DC20-A Quick Release Handle - Dental Fit

Cruciate Screwdriver Inserts & Handle for 1.5/2.0 and 2.4 Screws



CRUCIATE SCREWDRIVER INSERTS & HANDLE FOR 1.5/2.0 AND 2.4 SCREWS

ARA-V-SD1.5/2.0-A Cruciate Screwdriver Insert for 1.5/2.0 Screws

ARA-V-DC20-A Quick Release Handle Dental Fit - fits ARA-V-SD1.5/2.0-A Insert

ARA-V-SD2.4 Cruciate Screwdriver Insert for 2.4mm Screws

ARA-V-576 Quick Release Handle - Teflon / AO Type - fits ARA-V-SD2.4 Insert

Cruciate Head Screwdrivers for 1.5/ 2.0 & 2.4 Screws



Cruciate Screwdrivers for 1.5/2.0 and 2.4 Screws

CRUCIATE SCREWDRIVER 1.5/2.0 AND 2.4 SCREWS

ARA-V-628 Cruciate Screwdriver for 1.5/2.0 Screws
ARA-V-629 Cruciate Screwdriver 2.4mm Screws
ARA-V-629S Screwdriver Cruciate Tip for 3.5mm Screws

Hex Screwdrivers

Hex Screwdriver Inserts & Handle for 1.5/ 2.0/ 2.4mm Screws



Hex Screwdriver Insert & Handle for 1.5/2.0/2.4 Screws

HEX SCREWDRIVER INSERTS & HANDLE FOR 1.5/ 2.0/2.4MM SCREWS

ARA-V-627 Hex Screwdriver Insert for 1.5/2.0/2.4mm Screws
ARA-V-DC20-A Quick Release Handle - Dental Fit

Screwdrivers with screw holding sleeves hold the screw until it has engaged in the threaded hole. The sleeve is slid back up the shaft to release the screw without disengaging it.

Hex Screwdriver for 1.5, 2.0 & 2.4 Screws



HEX SCREWDRIVER & SCREWHOLDING SLEEVE 1.5/2.0/2.4 SCREWS

ARA-V-626 Hex Screwdriver + Sleeve - with Teflon Handle for 1.5/2.0/2.4mm Screws 125mm

Hex Screwdriver for 2.7/3.5/4.0 Screws



HEX SCREWDRIVERS & SCREWHOLDING SLEEVES 2.7/3.5/4.0 SCREWS

ARA-V-633 2.5mm Hex Screwdriver + Sleeve with Teflon Handle for 2.7/3.5/4.0mm Screws, 200mm

Hex Screwdriver Inserts & Handle for 2.7/3.5/4.0mm Screws



HEX SCREWDRIVER INSERTS & HANDLE FOR 2.7/3.5/4.0MM SCREWS

ARA-V-634 Hex Screwdriver Insert for 2.7/3.5/4.0mm Screws

ARA-V-576 Quick Release Handle - Teflon Type AO Fit - fits ARA-V-634 Insert

Hex Screwdriver Insert for 4.5/ 5.5/6.5mm Screws



HEX SCREWDRIVERS 4.5/5.5/6.5 SCREWS

ARA-V-634S Hex Screwdriver Insert for 4.5/5.5/6.5mm Screws

ARA-V-576 Quick Release Handle - Teflon Type AO Fit - fits ARA-V-634S Insert

Star Drive Screwdrivers Star Drive Screwdrivers



All ARA Lock Screws are available with the international 'Torx' Style Star Drive. The interface between the screw head and screwdriver is significantly stronger and the stripping of screw heads consequently much rarer. The tip of the screwdriver is tapered and 'picks up' the screws without the requirement for a screw holding sleeve.

The handles and inserts are available separately.

STAR DRIVE SCREWDRIVER INSERT

ARA-V-636 Star Drive Insert for 3.5 Locking Screws

ARA-V-637 Star Drive Insert for 2.7 (2.4 head) and 2.4 Locking Screws

ARA-V-638 Star Drive Insert for 2.0 Locking Screws

ARA-V-638S Star Drive Insert for 1.5 Locking Screws

ARA-V-576 Quick Release Handle - Teflon / AO Type fits above Inserts

Slotted Flat End Screwdrivers Slotted Flat End Screwdriver



Self Tapping Screws can be somewhat fiddly to start, particularly the smaller ones. Screwdrivers with Screwholding Sleeves hold the Screw in place until the threads are engaged. Once the self tapping process has started the Sleeve is pulled back, releasing the Screw. Available for 2.0, 2.7 and 3.5mm Slotted Screws.

SCREWDRIVER FLAT END

ARA-V-668 For 2mm Screws + Sleeve 130mm

ARA-V-669 For 2.7mm Screws + Sleeve 200mm

ARA-V-670 For 3.5mm Screws + Sleeve 230mm

Depth Gauges

Depth Gauges



Accurate measurement of hole depth is essential in order to select the appropriate screw size. A range of Gauges are available for various screw sizes. Hole depth is read from the instrument. Add extra to the measured length to ensure maximal screw thread/bone interface engagement. See chart for additional amount required. Chart supplied with depth gauge or available on request. Use in Self-tapping or Cortical Systems.

DEPTH GAUGES

- ARA-V-640 Depth Gauge For 1.5mm & 2.0mm Screws 115mm
- ARA-V-641 Depth Gauge For 2.0mm & 2.7mm Screws 135mm
- ARA-V-642 Depth Gauge For 2.4mm, 2.7mm & 3.5mm Screws 180mm
- ARA-V-643 Depth Gauge For 2.7mm & 3.5mm Screws 175mm

Screw Holding Forceps



A useful instrument for selecting screws with minimal handling. Can be used with any style of screw.

SCREW HOLDING FORCEPS

- ARA-V-652 Screw Holding Forceps 2.4/2.7/3.5/4.5 Screws
- ARA-V-653 Screw Holding Forceps 1.0/1.5/2.0/2.4 Screws

Plate Holding Clip



A useful little clip for holding plates in sequence. Labelled with size.

PLATE HOLDING CLIP

- ARA-V-654 Plate Holding Clip 2.0mm
- ARA-V-654S Plate Holding Clip 2.4mm
- ARA-V-655 Plate Holding Clip 2.7mm
- ARA-V-656 Plate Holding Clip 3.5mm

Whiting Bone Plate Retractor



The Bone Plate Retractor is designed to expose the end hole(s) of the plate for screw placement. It is often the case that a plate is pushed under soft tissues to avoid unnecessarily large exposures only to find that it is very difficult to access the last screw hole. The bone plate lever slides along the plate until the tip drops over the end. The handle is then elevated and the tip of the lever hooks onto the end of the plate. As the retractor is lifted the end hole of the plate is exposed allowing free insertion of drills taps and screws.

WHITING BONE PLATE RETRACTOR

- ARA-V-657 Bone Plate Retractor 3.5/3.5 Broad
- ARA-V-658 Bone Plate Retractor 2.4/2.7

Titanium Mesh Cutter

Titanium Mesh Cutters



TITANIUM MESH CUTTERS

- ARA-V-667 Titanium Mesh Cutters

Drill Bits

The majority of our drill bits have been significantly improved, achieved through upgrades in material and production quality. The result is a sharper cutting edge, greater ease of use and more accurate drilling. Our drill bits are also now available in an extended range of sizes and lengths for every clinical requirement.

Drill Bits - Round Shank

Round shank multi-use drill bits made from hardened stainless steel, suitable for use with a standard Jacobs chuck.



Standard Length

Suitable for most applications.

DRILL BITS - STANDARD LENGTH - ROUND SHANK

	Diameter (mm)	Total length (mm)	Flute length (mm)
ARA-V-DB10	1.1	70	20
ARA-V-DB11	1.5	90	20
ARA-V-DB12	1.8	110	25
ARA-V-DB13	1.9	110	25
ARA-V-DB14	2.0	110	30
ARA-V-DB15	2.3	120	30
ARA-V-DB16	2.4	120	30
ARA-V-DB17	2.5	120	30
ARA-V-DB18	2.7	130	40
ARA-V-DB19	2.8	130	40
ARA-V-DB20	3.0	130	40
ARA-V-DB21	3.2	130	40
ARA-V-DB22	3.5	130	50
ARA-V-DB23	3.8	130	50
ARA-V-DB24	4.0	130	50
ARA-V-DB25	4.5	130	50
ARA-V-DB26	5.5	130	60

Long Length

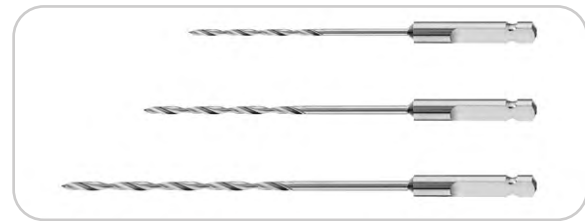
DRILL BITS - LONG LENGTH - ROUND SHANK

	Diameter (mm)	Total length (mm)	Flute length (mm)
ARA-V-DB12L	1.5	120	20
ARA-V-DB13L	1.8	140	25
ARA-V-DB14L	2.0	140	30
ARA-V-DB15L	2.4	150	30
ARA-V-DB16L	2.5	150	30
ARA-V-DB17L	2.7	170	40
ARA-V-DB18L	2.8	180	40
ARA-V-DB19L	3.2	180	40
ARA-V-DB20L	3.5	180	50
ARA-V-DB21L	4.0	180	50
ARA-V-DB22L	4.5	180	50
ARA-V-DB23L	5.5	180	60

Please note that longer drill bits are more prone to snapping and it is more difficult to control the hole angle and accuracy – therefore standard length drill bits should be used where possible. Where a longer drill bit is required it should be used with particular care and attention; use of a long drill guide may help to minimise problems.

Drill Bits - Quick Release AO Fit

Quick release multi-use drill bits made from hardened stainless steel, suitable for use with an AO style quick release chuck.



Standard Length

Suitable for most applications.

DRILL BITS - QUICK RELEASE AO FIT STANDARD LENGTH

	Diameter (mm)	Total length (mm)	Flute length (mm)
ARA-V-QR10	1.1	80	20
ARA-V-QR11	1.5	100	20
ARA-V-QR12	1.8	110	25
ARA-V-QR13	2.0	110	30
ARA-V-QR14	2.4	120	30
ARA-V-QR15	2.5	130	30
ARA-V-QR16	2.7	130	40
ARA-V-QR17	2.8	140	40
ARA-V-QR18	3.2	140	40
ARA-V-QR19	3.5	140	40
ARA-V-QR20	4.0	170	50
ARA-V-QR21	4.5	140	50
ARA-V-QR22	5.5	170	50

Long Length

DRILL BITS - QUICK RELEASE AO FIT LONG LENGTH

	Diameter (mm)	Total length (mm)	Flute length (mm)
ARA-V-QR10L	1.1	110	20
ARA-V-QR11L	1.5	130	20
ARA-V-QR12L	1.8	140	25
ARA-V-QR13L	2.0	140	30
ARA-V-QR14L	2.4	170	30
ARA-V-QR15L	2.5	180	30
ARA-V-QR16L	2.7	180	40
ARA-V-QR17L	2.8	190	40
ARA-V-QR18L	3.2	190	40
ARA-V-QR19L	3.5	190	50
ARA-V-QR20L	4.0	170	50
ARA-V-QR21L	4.5	190	50

Mini Quick Release Drill Bits - Dental Fit

These smaller drill bits are too delicate for use with a power drill, and are designed for use with the ARA-V-DC20-A dental fit handle. This improves control and helps prevent breakages.

DRILL BITS 0.7MM AND 1.0MM - FOR QUICK RELEASE HANDLE DENTAL FIT

ARA-V-MQR10	0.7mm Drill Bit for ARA-V-DC20-A Quick Release Handle Dental Fit
ARA-V-MQR11	1.0mm Drill Bit for ARA-V-DC20-A Quick Release Handle Dental Fit

Drill Bits - Anti-Skid - Round Shank



Anti-skid drill bits have a special tip which bites into the bone surface, accurately positioning the hole. Particularly useful for holes which are not perpendicular to the bone surface, and where a drill guide is not used.

Round shank multi-use drill bits made from hardened stainless steel, suitable for use with a standard Jacobs chuck.

ANTI SKID DRILL BITS - ROUND SHANK

	Diameter (mm)	Total length (mm)	Flute length (mm)
ARA-V-AS10	1.5	90	20
ARA-V-AS11	1.8	110	25
ARA-V-AS12	2	110	30
ARA-V-AS13	2.4	120	30
ARA-V-AS14	2.5	120	30
ARA-V-AS15	2.7	130	40
ARA-V-AS16	3.2	130	40
ARA-V-AS17	3.5	130	50
ARA-V-AS18	3.5	180	50
ARA-V-AS19	4.5	130	50

Drill Bits - Cannulated - Round Shank & AO Fit



For use with a Ø1.1mm guide wire for accurate placement of holes.

Round Shank

Round shank multi-use cannulated drill bits made from hardened stainless steel, suitable for use with a standard Jacobs chuck.

DRILL BITS - CANNULATED - ROUND SHANK

	Diameter (mm)	Total length (mm)	Flute length (mm)
ARA-V-CR10	2.5	130	25
ARA-V-CR11	2.7	130	30
ARA-V-CR12	3.5	130	35

Quick release AO fit

Quick release multi-use cannulated drill bits made from hardened stainless steel, suitable for use with an AO style quick release chuck.

DRILL BITS - CANNULATED - AO FIT

	Diameter (mm)	Total length (mm)	Flute length (mm)
ARA-V-CR13	2.5	105	25
ARA-V-CR14	2.7	105	30
ARA-V-CR15	3.5	105	35

ESF pin choice and application

Positive Threaded Pins

Positive threaded pins are the pin of choice for ESF application as they have excellent resistance to pull-out, and no inherent point of weakness. End threaded pins are used as half pins (type IA and IB ESF frames), and centre threaded pins as full pins (type II frames).



Positive Threaded Pins - Cortical

The fine threads of these pins are proud of the shank eliminating the weak point where the thread ends in other pins. The major benefit of positive pins is that the additional thread diameter creates a larger bone pin interface for a given shaft diameter. This style of pin is useful where a good pull out resistance is required and where it is anticipated that the frames will be left in situ for long periods - 6 weeks plus. Use KE Plus Clamps if available. Place at right angles to the bone.

POSITIVE THREADED PINS - END THREAD

ARA-V-PET14	0.8mm Shank	1.1mm Threads	60mm Long - End Thread
ARA-V-PET15	1.2mm Shank	1.5mm Threads	65mm Long - End Thread
ARA-V-PET16	1.2mm Shank	1.6mm Threads	70mm Long - End Thread
ARA-V-PET17	1.4mm Shank	1.8mm Threads	70mm Long - End Thread
ARA-V-PET18	1.6mm Shank	2.0mm Threads	70mm Long - End Thread
ARA-V-PET26	1.8mm Shank	2.2mm Threads	80mm Long - End Thread
ARA-V-PET19	2.0mm Shank	2.4mm Threads	85mm Long - End Thread
ARA-V-PET20	2.4mm Shank	3.2mm Threads	100mm Long - End Thread
ARA-V-PET20A	2.7mm Shank	3.5mm Threads	110mm Long - End Thread
ARA-V-PET20B	3.0mm Shank	3.8mm Threads	120mm Long - End Thread
ARA-V-PET21	3.2mm Shank	4.0mm Threads	130mm Long - End Thread
ARA-V-PET24A	3.5mm Shank	4.3mm Threads	130mm Long - End Thread
ARA-V-PET22	4.0mm Shank	4.8mm Threads	150mm Long - End Thread

Positive Threaded Pins - End Thread



The Mid Threaded Pin provides good pull out resistance in frames where the fixation pins are supported on either side of the limb by connecting bars. i.e. Type II frames.

POSITIVE THREADED PINS - MID THREAD

ARA-V-PMT13	0.98mm Shank	1.1mm Threads	85mm Long - Mid Thread
ARA-V-PMT14	1.1mm Shank	1.4mm Threads	85mm Long - Mid Thread
ARA-V-PMT15	1.2mm Shank	1.5mm Threads	85mm Long - Mid Thread
ARA-V-PMT16	1.4mm Shank	1.8mm Threads	85mm Long - Mid Thread
ARA-V-PMT17	1.6mm Shank	2.0mm Threads	85mm Long - Mid Thread
ARA-V-PMT18	1.6mm Shank	2.0mm Threads	85mm Long - Mid Thread
ARA-V-PMT18A	1.8mm Shank	2.2mm Threads	90mm Long - Mid Thread
ARA-V-PMT19	2.0mm Shank	2.4mm Threads	105mm Long - Mid Thread
ARA-V-PMT19A	2.2mm Shank	2.6mm Threads	105mm Long - Mid Thread
ARA-V-PMT23	2.4mm Shank	3.2mm Threads	105mm Long - Mid Thread
ARA-V-PMT23A	2.7mm Shank	3.5mm Threads	115mm Long - Mid Thread
ARA-V-PMT23B	3.0mm Shank	3.8mm Threads	120mm Long - Mid Thread
ARA-V-PMT24	3.2mm Shank	4.0mm Threads	130mm Long - Mid Thread
ARA-V-PMT24A	3.5mm Shank	4.3mm Threads	140mm Long - Mid Thread
ARA-V-PMT25	4.0mm Shank	4.8mm Threads	150mm Long - Mid Thread

Positive Threaded Pins – Cancellous



The coarser threads of these pins are appropriate for use in metaphyseal bone.

POSITIVE THREADED PINS – CANCELLOUS

ARA-V-PET26	2.4mm Shank 3.5mm Threads	115mm Long Cancellous End Thread
ARA-V-PET27	3.2mm Shank 4.8mm Threads	150mm Long Cancellous End Thread
ARA-V-PET29	2.4mm Shank 3.5mm Threads	150mm Long Cancellous Mid Thread
ARA-V-PET30	3.2mm Shank 4.8mm Threads	180mm Long Cancellous Mid Thread

Pearson Positive Threaded Pin

PEARSON POSITIVE THREADED PIN

ARA-V-PPTPL13	6.35mm Pearson Positive Mid Threaded Pin
---------------	--

Trochar Pins



The smooth shanks of trochar pins provide minimal pull out resistance therefore there is little advantage to their use. When used, trochar pins should be placed at diverging angles to maximise pull-out resistance.

TROCHAR PINS

ARA-V-671	Trochar pins 15cm – 0.6mm
ARA-V-672	Trochar pins 15cm – 0.8mm
ARA-V-673	Trochar pins 15cm – 1.0mm
ARA-V-674	Trochar pins 15cm – 1.2mm
ARA-V-675	Trochar pins 15cm – 1.4mm
ARA-V-676	Trochar pins 15cm – 1.5mm
ARA-V-677	Trochar pins 15cm – 2.0mm
ARA-V-678	Trochar pins 15cm – 3.0mm
ARA-V-679	Trochar pins 15cm – 3.2mm
ARA-V-680	Trochar pins 15cm – 3.5mm
ARA-V-681	Trochar pins 30cm – 1.0mm
ARA-V-682	Trochar pins 30cm – 1.5mm
ARA-V-683	Trochar pins 30cm – 2.0mm
ARA-V-684	Trochar pins 30cm – 2.5mm
ARA-V-685	Trochar pins 30cm – 3.0mm
ARA-V-686	Trochar pins 30cm – 3.2mm

Cortical Negative Threaded Pins (Ellis type)

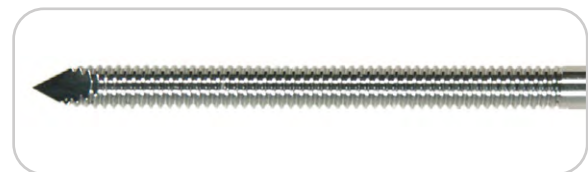


The short fine negative thread engages the trans (far) cortex and the smooth shank engages the cis (near) cortex. The thread/shank junction (the weakest part of the pin) is positioned in the medullary cavity and protected from potential failure. Ellis type pins have better pull out resistance over Trochar pins and the angle of placement is not as critical.

CORTICAL NEGATIVE THREADED PINS (ELLIS TYPE)

		Pin diameter	Overall length
ARA-V-EP1528	Ellis Pin	1.1mm	76mm
ARA-V-EP1529	Ellis Pin	1.6mm	85mm
ARA-V-EP1533	Ellis Pin	1.8mm	127mm
ARA-V-EP1550	Ellis Pin	2.0mm	127mm
ARA-V-EP1530	Ellis Pin	2.4mm - (3/32")	127mm
ARA-V-EP1550	Ellis Pin	2.7mm - (7/64")	127mm
ARA-V-EP1551	Ellis Pin	3.0mm	127mm
ARA-V-EP1531	Ellis Pin	3.2mm - (1/8")	127mm
ARA-V-EP1551	Ellis Pin	3.5mm	127mm
ARA-V-EP1552	Ellis Pin	4.0mm	127mm

Bicortical Negative Threaded Pins



Negative Bicortical Pins have had a bad reputation for early failure at the thread pin junction. Where selection of pin and frame are appropriate failure of negative threaded pins is rare.

The important criterion is thread diameter not shaft diameter. For any given thread diameter both positive and negative threaded pins are equally strong. Virtually all human pins are negative threaded!

BICORTICAL FINE NEGATIVE THREADED PINS

CODE	Shaft Diameter	Thread Diameter	Thread Length	Overall Length
ARA-V-BET08	0.8mm	0.8mm	8mm	70mm
ARA-V-BET10	1.0mm	1.0mm	10mm	70mm
ARA-V-BET11	1.1mm	1.1mm	12mm	70mm
ARA-V-BET13	1.4mm	1.4mm	12mm	70mm
ARA-V-BET15	1.5mm	1.5mm	12mm	70mm
ARA-V-BET16	1.6mm	1.6mm	20mm	70mm
ARA-V-BET18	1.8mm	1.8mm	24mm	85mm
ARA-V-BET20	2.0mm	2.0mm	24mm	85mm
ARA-V-BET24	2.4mm	2.4mm	25mm	100mm
ARA-V-BET27	2.7mm	2.7mm	30mm	110mm
ARA-V-BET30	3.0mm	3.0mm	35mm	130mm
ARA-V-BET35	3.5mm	3.5mm	40mm	130mm
ARA-V-BET40	4.0mm	4.0mm	45mm	150mm
ARA-V-BET50	5.0mm	5.0mm	50mm	150mm

Spanners

Spanners



Standard spanners are available for all clamp sizes.

SPANNERS

- ARA-V-687 Spanner Small 7mm
- ARA-V-688 Spanner Medium 8mm
- ARA-V-689 Spanner Large 10mm

Meniscal Instruments

Stifle Lever



Exposure of the medial meniscus is never easy. Access is limited. The stifle levers are designed to fit the trochlea, while the atraumatic tip hooks behind the caudal tip of the tibial plateau. The levering action spreads the load over the surface of the trochlea, more effectively than a Hohman. Two sizes to cover most cases.

STIFLE LEVER

- ARA-V-692 Stifle Lever >20kg 225mm
- ARA-V-692S Stifle Lever Small <20kg 165mm

Arthroscopic Stifle Lever VSTL



The arthroscopic stifle is finer and longer than the standard version, making it more suitable for arthroscopic surgery. The good sized white Teflon handle has a useful notch which aligns with the tip orientation of the lever. Not just for arthroscopy – useful in open arthrotomies as well. Developed for stifle surgery.

ARTHROSCOPIC STIFLE LEVER VSTL

- ARA-V-693 Arthroscopic Stifle Lever VSTL 280mm

Meniscus Probes



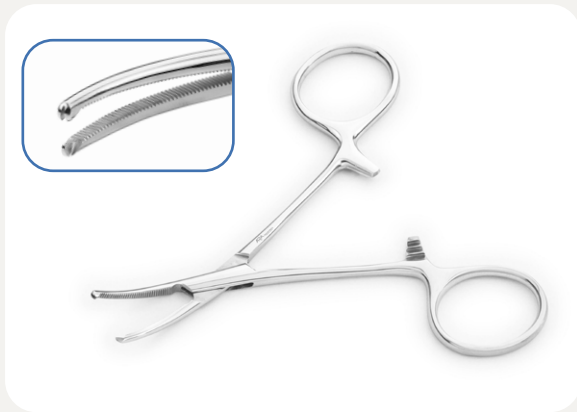
Used to probe the meniscus to check for tears, which may not be seen easily.

- 1mm – dogs up to 30kgs
- 2mm – dogs over 30kgs

MENISCUS PROBES

- ARA-V-694 Meniscus Probe 1mm Tip 190mm
- ARA-V-695 Meniscus Probe 2mm Tip 220mm
- ARA-V-696 Meniscus Probe 2.2mm Black Shaft for Arthroscopy 220mm

Toothed Halsteads



Very useful for grasping the meniscus.

TOOTHED HALSTEADS

- ARA-V-697 Halstead Mosquito Forceps 1/2 Teeth Cvd 125mm
- ARA-V-698 Halstead Mosquito Forceps 1/2 Teeth Str 125mm

Fat Pad Retractor



A more practical alternative to a standard Senn for retracting the fat pad during examination of the medial meniscus.

FAT PAD RETRACTOR

- ARA-V-249 Fat Pad Retractor 180mm
- ARA-V-248 Senn Retractor (Cats Paw) 160mm

Hook Knife and Push Knife



These three hand held knives can deal with most meniscal tears. Their low profile makes them suitable for both open and arthroscopic surgeries.

MENISCUS KNIVES

- ARA-V-700 Hook Knife 150mm
- ARA-V-701 Hook Knife 225mm
- ARA-V-702 Push Knife 225mm

Beaver Type Scalpel Handle



Holds Beaver and Swann Morton fine blades. Ideal for delicate control without cluttering field of view.

BEAVER TYPE SCALPEL HANDLE

- ARA-V-282 Beaver Type Scalpel Handle 100mm
- ARA-V-282A Beaver Type Scalpel Handle 130mm
- ARA-V-282B Beaver Type Scalpel Handle 80mm

Meniscectomy Instruments



The T handle push knife is only sharp on the inner curve, not at the tips. Suitable for larger patients.

MENISCECTOMY INSTRUMENTS

- ARA-V-703 Meniscectomy Knife 165mm

Small & Mini Gelpi Retractors for Arthroscopy



Used with or without orthogonally placed stifle distractors help to improve exposure significantly when working through a mini stifle arthroscopy.

Short sharp tips give easy access and holding power. Alternative blunt tip version is less secure but also less traumatic to tissue.

SMALL & MINI GELPI FOR ARTHROSCOPY

- ARA-V-704 Gelpi Mini Curved (45mm Spread) 90mm Long Sharp Tips
- ARA-V-705 Gelpi Mini Curved (45mm Spread) 90mm Long Blunt Tips

Small Stifle Ronguers



Small ronguers with angled slim jaws, useful for work within the stifle to remove CrCL remnants or to apply tension to meniscal tissue prior to sharp resection.

SMALL STIFLE RONGUERS

- ARA-V-706 Small Stifle Ronguer 1.75mm Bite 140mm Long

Coughlan Soft Tissue Mangeurs



Use to rapidly remove soft tissues eg. fat pad which can obscure the operative field. Also suitable for removing remnants of ruptured CrCL.

COUGHLAN SOFT TISSUE MANGEURS

- ARA-V-707 Coughlan Soft Tissue Mangeur - Very Small 2mm x 8mm Shaft 115mm Long
- ARA-V-708 Coughlan Soft Tissue Mangeur - Small 2.5mm x 10mm Shaft 160mm Long
- ARA-V-709 Coughlan Soft Tissue Mangeur - Large 5mm x 12mm Shaft 180mm Long

Stifle Distractors

Stifle Distractors



Designed to separate the femoral component of the stifle from the tibia. For the best exposure joint surfaces should move away from each other in a parallel fashion exposing The meniscus in its natural state and minimally distorted by the examination.

Positioning:

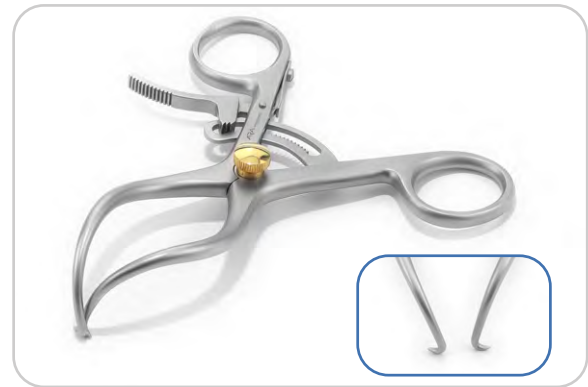
- One tip is placed in the intercondylar notch
- The other on the cranial intercondylar area.
- Neither tip should involve articular cartilage.
- Test distractions (by squeezing the handles) to find the exact point at which a full distraction will expose the meniscus.
- Engage the spinlock to open the joint.

Distractor is self-retaining. When closed the tips overlap making the points atraumatic as they enter the joint and reduce their profile for insertion into the joint.

STIFLE DISTRACTORS

- ARA-V-710R Stifle/Joint Distractor Ratchet 6mm Min Spread, Max Spread 60mm, 140mm
- ARA-V-711R Stifle/Joint Distractor Ratchet 8mm Min Spread, Max Spread 30mm, 190mm
- ARA-V-711S Stifle/Joint Distractor Spinlock 6mm Min Spread, Max Spread 60mm, 140mm
- ARA-V-712S Stifle/Joint Distractor Spinlock 8mm Min Spread, Max Spread 30mm, 170mm
- ARA-V-713S Stifle/Joint Distractor Spinlock 8mm Min Spread, Max Spread 30mm, 190mm
- ARA-V-714S Stifle/Joint Distractor Spinlock 10mm Min Spread, Max Spread 40mm, 210mm
- ARA-V-715S Stifle/Joint Distractor Spinlock Extra Small

Small Stifle Joint Distractor



The Small Distractor is also useful as small local muscle and tissue retractors in and around canine joints e.g. elbow exploration. Total length 130mm.

SMALL STIFLE JOINT DISTRACTOR

ARA-V-712 Small Joint Distractor/ Retractor 6mm Wide Tips 140mm

Very Small Stifle Joint Distractor

The Very Small Distractor is extremely useful as a small joint retractor during the meniscal release procedure. It is used to open a small window, caudal to the medial collateral. Total length 140mm.

VERY SMALL JOINT DISTRACTOR/ RETRACTOR 3MM WIDE TIPS

ARA-V-712VS Very Small Joint Distractor/ Retractor 3mm Wide Tips

Miniature Stifle Distractor



Scaled down version of the Very Small Stifle Distractor for use in small and miniature breeds. Same overlapping tip pattern shown in all ARA stifle distractors.

MINIATURE STIFLE DISTRACTOR

ARA-V-713 Miniature Stifle Distractor 3mm Wide Tips 100mm

Spinlock Stifle Distractor



Alternative spinlock version of the ratcheted stifle distractors. Spinlocks avoid the slippage which can occur with ratchets, and allow incremental opening of the joint which is not dependant on the tooth pitch of a ratchet.

SPINLOCK STIFLE DISTRACTOR

- ARA-V-713SL Spinlock Small Stifle Distractor 140mm 6mm Tips
- ARA-V-713VSSL Spinlock Very Small Stifle Distractor 140mm 3mm Tips

Cranial Cruciate Ligament Lateral Suture Instruments

Crimping Forceps



Basic simple action crimper for monofilament line only.

CRIMPING FORCEPS

ARA-V-714 Crimping Forceps 195mm Long

Compound Action Crimper



Compound action crimper for monofilament line only, for both 10 and 12mm crimps. Delivers a more powerful crimp than the standard crimper. Although the angled head gives better visibility, this reduces the power of the action versus a straight crimper.

COMPOUND ACTION CRIMPER

ARA-V-715 Compound Action Crimper 230mm Long

Compound Action Crimpers



The Compound Action Crimper delivers a pre-measured crimp with minimal effort. The jaw cut outs prevent over crimping. These Crimpers require the least effort of any Crimper available. The Compound Action Crimper is suitable for all crimps apart from the thin walled 10mm crimp for 50lb Nylon which suits the Standard Simple Action Crimper.

COMPOUND ACTION CRIMPERS

ARA-V-715-50 Compound Action Crimpers For 50lb 245mm
 ARA-V-715-75 Compound Action Crimpers For 75lb 245mm
 ARA-V-715-150 Compound Action Crimpers For 150lb 245mm
 ARA-V-715-250 Compound Action Crimpers For 250lb 245mm
 ARA-V-715-500 Compound Action Crimpers For 500lb 245mm

Heavy Duty Needle Driver



The large needles used for cruciate lateral suture placement along with the force needed to pass them will damage standard needleholders. A dedicated heavy duty TC needle driver kept with the cruciate kit will prove more cost effective, and improve grip on the needle.

HEAVY DUTY NEEDLE DRIVER

ARA-V-716 Heavy Duty Needle Driver with Tungsten Jaws 195mm Long

Bone Tunnel Borer



Used to create bone tunnels without setting up the power drill. Useful where single holes are required, for example tension band procedures.

BONE TUNNEL BORER

ARA-V-716BT.0 Bone Tunnel Borer 2mm Modular
 ARA-V-716BT.2.5 Bone Tunnel Borer 2.5mm Modular
 ARA-V-716BT.2.7 Bone Tunnel Borer 2.7mm Modular
 ARA-V-716BT.3.5 Bone Tunnel Borer 3.5mm Modular

Loop Tension Devices And Gelpis



Prior to crimping it is suggested that the loop be tensioned sufficiently to eliminate the anterior draw, but not enough to create an outward rotation. This may be achieved by a number of methods:

1. Partial crimp does not require additional instrumentation
2. Simple tension device requiring a pair of gelpis ARA-V-718
3. A dedicated loop tensioner ARA-V-719

CCL TENSIONING DEVICE

ARA-V-717 Gelpi length 180mm
ARA-V-718 Tensioning Clamps (Pair - Gelpis not included)

CCL Loop Tensioning



Does not require use of extra crimps - less wasteful.
Speed lock type action gives more 'feel' than ratchet type.
Jaws designed specifically for crimping system.

The literature tells us little about the correct tension. We recommend that the anterior draw is eliminated but that an outward rotation of the tibia is not created.

Remember over tensioning is as big a technical error as under tensioning!

CCL LOOP TENSIONER

ARA-V-719 CCL Loop Tensioner 175mm

Instruments

Lateral Suture Tension Device



This is the Standard Lateral Suture Tension Device in the USA. Ratchet based, it relies on the jaws pulling against crimps attached to the free ends of the loop. It is simple and effective but does require two extra crimps which are ultimately discarded. Remember, over tensioning loops creates as many problems as under tensioning.

LATERAL SUTURE TENSIONER

ARA-V-720 Lateral Suture Tensioner 170mm

ARA Scissors



ARA Scissors is so tough it is difficult to cut and will damage standard scissors. Use our special T.C. Scissors with a custom

ARA SCISSORS

ARA-V-720S ARA Scissors T.C. 145mm

PushPull Suture Passer



Suture passer for either pushing or pulling soft suture material through a bone tunnel. Diameter 2mm.
Minimum tunnel diameters required:

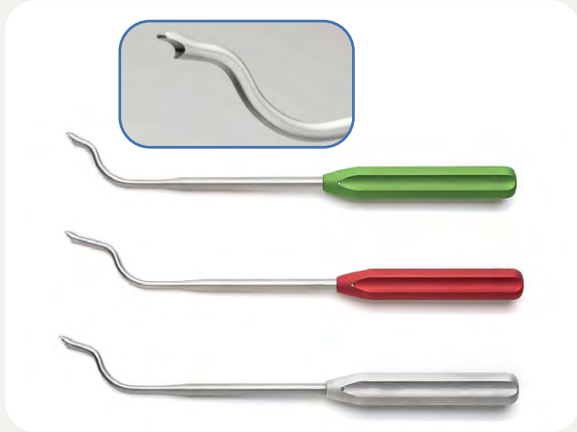
- Pulling - 2mm
- Pushing - 2mm plus 2 x suture diameter

PUSHPULL SUTURE PASSER

ARA-V-721 PushPull 2mm Suture Passer 235mm

Arthrex Stifle Distractor

Arthrex Stifle Distractor



Available in three sizes, the sigmoid shape of these arthroscopic stifle distractors permits both stifle distraction and subluxation for optimal meniscal examination. The shaft fits nicely in the femoral notch and the tip is anatomically contoured to avoid slippage off the caudal edge of the tibial plateau.

Placing the tip between the caudal medial meniscotibial ligament and the caudal cruciate ligament allows assessment of both menisci at the same time without repositioning. Tip diameter on all three sizes is 4mm. Can also be used for open arthrotomy.

ARTHREX STIFLE DISTRACTOR

- ARA-V-722 Arthrex Canine Stifle Distractor 13mm
- ARA-V-723 Arthrex Canine Stifle Distractor 20mm
- ARA-V-724 Arthrex Canine Stifle Distractor 27mm

Over The Top

Curved Graft Passer



The repair of the cranial cruciate ligament (CCL) by the 'Over the Top' technique requires a curved graft passer to pull the graft through the stifle joint. This design of graft passer has been developed over many years to:

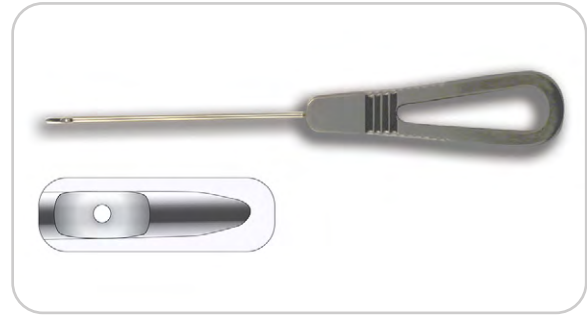
1. minimise damage to intra-articular structures.
2. feel right in use. The handle is comfortable.
3. for graft insertion anterior to posterior or vice versa.

This design is usually used by those still using this technique. The small eyed graft passers are appropriate for placement of lateral suture wire or monofilament nylon.

CURVED GRAFT PASSER

- ARA-V-725 Very Small Curved Graft Passer 2cm 165mm
- ARA-V-726 Small Curved Graft Passer 3cm 175mm
- ARA-V-727 Large Curved Graft Passer 4.5cm 185mm
- ARA-V-728 Very Large Curved Graft Passer 6cm 205mm
- ARA-V-729 Extra Large Curved Graft Passer 8cm 220mm

Straight Graft Passer

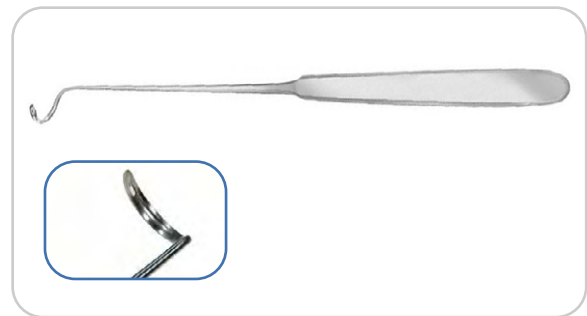


Designed to pass through a 2.7mm hole, the straight graft passer is useful for pulling graft and nylon through bone tunnels.

STRAIGHT GRAFT PASSER

- ARA-V-730 Straight Graft Passer hole 2.7mm length 185mm

Aneurism Needles



The sharp tip of the angled graft passer is passed around the fabella by rotating the wrist. The eye is small and accepts all suture materials. Total length 210mm.

ANEURISM NEEDLES

- ARA-V-731 Aneurism Needle 3cm Angled Left Small Eye
- ARA-V-732 Aneurism Needle 3cm Angled Right Small Eye
- ARA-V-733 Aneurism Needle 4.5cm Angled Left Small Eye
- ARA-V-734 Aneurism Needle 4.5cm Angled Right Small Eye

Tibial Tuberosity Advancement Rapid Instruments

TTA Rapid Lever Spreader



These are used to open the osteotomy incrementally to the required width. Available in two double-ended sizes. The spreaders measure 1mm wider than their stated size to permit insertion of a cage beneath them.

TTA RAPID LEVER SPREADER

- ARA-V-735 Rapid Lever Spreader Double-ended 3mm & 9mm Broad
- ARA-V-736 Rapid Lever Spreader Double-ended 6mm & 12mm Broad
- ARA-V-737 Rapid Lever Spreader Double-ended 13.5mm & 15mm Broad

TTA Rapid Universal Spreader



Permits incremental opening of the osteotomy in a very controlled manner. 160mm length.

TTA RAPID UNIVERSAL SPREADER

- ARA-V-738 Rapid Universal Spreader 160mm length

TTA Rapid Screwdriver Handle – AO Coupling



A high quality modular screw-driver with a familiar coupling and rotating base-cap.

TTA RAPID SCREWDRIVER HANDLE – AO COUPLING

- ARA-V-739 TTA Rapid Screwdriver Handle - AO Coupling

TTA Rapid Screwdriver Inserts



TTA RAPID SCREWDRIVER INSERTS

- ARA-V-TTAR2-410 TTA Rapid Screwdriver Insert for 2.4mm Hex Screws AO Fitting 100mm Long
- ARA-V-TTAR2-411 TTA Rapid Screw Holding Sleeve for 2.4mm Hex Screws

TTA Rapid Petite Twist Drill



TTA RAPID PETITE TWIST DRILL

- ARA-V-TTAR1-512 TTA Rapid Twist Drill Bit 1.5mm Round Shaft
- ARA-V-TTAR1-513 TTA Rapid Twist Drill Bit 1.5mm AO Shaft

TTA Rapid Cage Holding Forceps - Angled

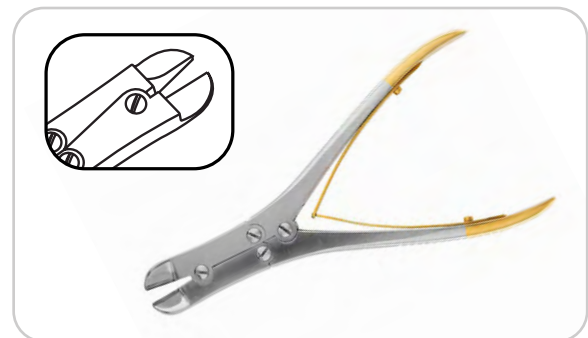


Used to remove cages from implant trays.

TTA RAPID CAGE HOLDING FORCEPS - ANGLED

- ARA-V-740 TTA Rapid Cage Holding Forceps - Angled - 160mm Long

TTA Cuttable Cage Cutters



TTA cage cutters, which have narrow jaws designed to fit between the fins of cuttable cages. These cutters are only for TTA cages – not suitable for other implants due to the specially designed slim jaws.

TTA CUTTABLE CAGE CUTTERS

- ARA-V-740TTA TTA Cuttable Cage Cutter

TTA Rapid Drill Sleeve Guide for 2.4mm Screws



Used for accurate positioning of pilot holes for 2.4mm screws.

TTA RAPID DRILL SLEEVE GUIDE FOR 2.4MM SCREWS & 2.0MM MAQUET HOLE

ARA-V-741 TTA Rapid Drill Sleeve Guide for 2.4mm Screws

Additional useful instruments for TTA Rapid Adjustable Bone Saw



Useful for completing/ squaring off the osteotomy, this saw comes complete with five, fine chrome plated blades. Blade length is adjustable from 40mm to 100mm. Handle length 130mm. Blade length 155mm.

ADJUSTABLE BONE SAW

ARA-V-742 Adjustable Bone Saw C/W 5 Fine Blades

Reduction Forceps with Spinlock



REDUCTION FORCEPS WITH SPINLOCK

ARA-V-743 Very Large Fragment Forceps with Spinlock 215mm Long
ARA-V-744 Large Fragment Forceps with Spinlock 180mm Long

Plate Holding/ Drill Guide Forceps



Used to snug the TTA Rapid cage ears against the medial cortex prior to drilling pilot holes.

PLATE HOLDING/ DRILL GUIDE FORCEPS

ARA-V-377 1.5/2.0 Plate Holding/ Drill Guide Forceps 140mm Long
ARA-V-378 2.4/2.7 Plate Holding/ Drill Guide Forceps 145mm Long

Rotation Gauge

Rotation Gauge Divider Type

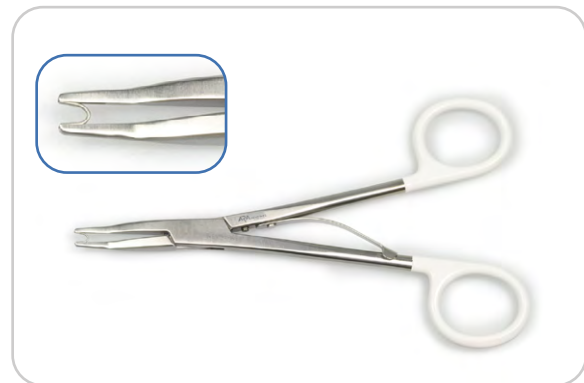


Alternative to the feeler gauge type measuring system. Spring loaded, adjusting the set screw fixes the points at any predetermined distance from 0-20 mm as read from the scale.

ROTATION GAUGE DIVIDER TYPE

ARA-V-745 Rotation Gauge Divider Type 90mm

Clip Applier Forceps



Fully autoclavable colour coded Clip Applier, dedicated to the relevant clip size. Quick and easy to use. The jaws have a groove to hold the clip – once loaded the clip is held securely until it is placed and compressed. Clip closure is maintained by the inherent rigidity of the metal. Designed for tubular ligation, feedback from users has been that it is extremely useful for enucleation and to have on hand for unexpected bleeders during orthopaedics as well as major soft tissue surgery.

CLIP APPLIER FORCEPS

ARA-V-746 Clip Applier Forceps Length 14.5cm

Patellar Luxation

Patellar luxation is a common condition of the canine stifle joint whereas cats are rarely affected. Small dogs are affected more frequently than large dogs and patellar luxation tends to be medial in small dogs and lateral in large dogs, but this is not absolute. Patellar luxation is usually caused by a number of related conformational deformities of the hindlimb that results in a malalignment of the quadriceps mechanism including the patellar relative to the femoral trochlear sulcus. Deformities include bowing of the distal femur and tibia, excessive medialisation or lateralisation and torsional deformities of tibial tuberosity, insufficient depth of the trochlear sulcus and/or inadequate height of the trochlear ridge(s), and (sub) luxation of the hip. Secondary changes include excessive laxity of the joint capsule and retinaculum soft tissues opposite the direction of patellar luxation, and excessive soft tissue tension in the same direction as patellar luxation.

X-Acto Saw

X-Acto Saw



Fine toothed hard back saw, useful for trochleaplasty. Please note this saw is not stainless steel and will corrode badly. To keep the saw for as long as possible, clean thoroughly immediately after a procedure and store clean, dry and lubricated. Autoclave before use. Optional handle is aluminium.

X-ACTO SAW

- ARA-V-747 X-Acto Saw Complete 270mm
- ARA-V-748 X-Acto Saw Handle only 140mm
- ARA-V-749 X-Acto Saw Blade 0.3mm cut 140mm

Gordon Coronoid Osteotome



Originally developed for surgery on the medial coronoid, its thin, sharp blade and narrow widths are making this tool increasingly popular amongst surgeons for block sulcoplasty.

GORDON CORONOID OSTEOTOME

- ARA-V-750 Gordon Coronoid Osteotome (4mm)
- ARA-V-751 Gordon Coronoid Osteotome (2mm)

Modular Osteotome with Ultra-thin Interchangeable Blades and Diamond Rasp



Teflon osteotome handle which accepts a good range of blades plus a diamond rasp. Blades are very thin (1.1mm) allowing fine cuts and reducing the incidence of braking the block during block sulcoplasty procedures.

MODULAR OSTEOTOME

- ARA-V-511 Modular Osteotome Handle
- ARA-V-512 Modular Osteotome Replacement Blade 4mm
- ARA-V-513 Modular Osteotome Replacement Blade 5mm
- ARA-V-514 Modular Osteotome Replacement Blade 6mm
- ARA-V-515 Modular Osteotome Replacement Blade 8mm
- ARA-V-516 Modular Osteotome Replacement Blade 10mm
- ARA-V-517 Modular Osteotome Replacement Blade 12mm
- ARA-V-518 Modular Osteotome Replacement Blade 15mm
- ARA-V-519 Modular Osteotome Replacement Blade 20mm
- ARA-V-520 Modular Diamond Rasp 6mm

Universal Sulcoplasty Rasp



Double ended rasp, 210mm long. Rectangular end for adjusting block sulcoplasties, triangular end for adjusting wedge sulcoplasties. Improved tooth geometry gives more efficiency over standard rasps. Cuts on pull stroke only. The rectangular end has 2 fine and 2 medium surfaces, triangular has 2 fine surfaces.

UNIVERSAL SULCOPLASTY RASP

- ARA-V-752 Universal Sulcoplasty Rasp 210mm Long

Rectangular Sulcoplasty Instruments



A rectangular sulcoplasty retains the maximum articular cartilage. Most standard osteotomes are too thick, tending to break up the block. The super slim 8mm osteotome minimises breakup. The rectangular rasp is designed to tidy up the corners of the sulcoplasty to maximise 'fit'.

RECTANGULAR SULCOPLASTY INSTRUMENTS

- ARA-V-753 Super Slim Osteotome 8mm 180mm
- ARA-V-754 Rectangular Bone Rasp 210mm

Trochlea Rasp



Designed for deepening the trochlea groove, the trochlea rasp has a range of diameters to suit breeds from chihuahuas to bull terriers. For larger breeds perform a wedge or block trochleaplasty using a hard backed saw. An accurately contoured trochlea is essential for a successful trochleaplasty. Articular cartilage is removed to be replaced by fibrocartilage. Total length 190mm.

TROCHLEA RASP

- ARA-V-755 Trochlea Rasp 11mm max 5mm min Diameter
- ARA-V-756 Trochlea Rasp Small 8mm max 3mm min Diameter

Corrective Osteotomy Sawguide System



The spinlock saw guide clamp incorporates an appropriate guide hole and can be clamped to virtually any bone. Once the osteotomy angle is determined the sawguide is secured into position using a 1.6mm K wire. The sawguide may then be moved very accurately from proximal to distal cuts to create the precalculated osteotomy.

CORRECTIVE OSTEOTOMY SAWGUIDE SYSTEM

- ARA-V-755S Saw Guide Attachment Forceps 9½" 245mm

**Femoral Head and Neck
Excisional Arthroplasty
Excision Arthroplasty Rasp**



Designed specifically to remove any bone spurs following excision arthroplasty. Failure to remove bone spurs is the most common cause of problems with this procedure. Teeth cut on the back stroke.

EXCISION ARTHROPLASTY RASP

- ARA-V-757 Excision Arthroplasty Rasp 170mm Long

Disarticulator



Disarticulator designed to elevate the femoral head for excision. Notch at the tip of the instrument engages and ruptures the Teres (round) ligament, which can be very difficult. Also useful in manipulation for the humeral head in OCD lesion procedures and investigation of elbow lesions.

DISARTICULATOR

- ARA-V-758 Small Disarticulator 145mm Long
- ARA-V-759 Large Disarticulator 195mm Long

Hatt Spoon



Alternative to the 'chip fork' style disarticulator, particularly for larger dogs. Spoon edge is sharp. Good sized fibre handle with a finer shaft for better balance.

HATT SPOON

- ARA-V-760 Hatt Spoon 230mm (17mm x 30mm Scoop)
- ARA-V-761 Hatt Spoon 230mm (12mm x 18mm Scoop)
- ARA-V-762 Hatt Spoon 230mm (7mm x 12mm Scoop)

Hohman Retractors

A simple but multi-function instrument, with a wide number of variations to cover different procedures, patients and surgeons' requirements

Uses include:

- Bone levers as an aid to fracture reduction.
- Bone levers as an aid to elevating the site of interest, examples include exposing the femoral head and the acetabulum during hip surgery and also joint distraction during stifle surgery.
- As soft tissue distractors to improve bone visualisation and access whilst performing many joint and fracture procedures.

A scrubbed assistant to hold the retractor in place is most useful. Frequently more than one Hohman is used during a procedure, and the Hohman often accomplishes multiple functions at once, for example soft tissue retraction and protection while elevating the femoral neck.

Hohman Retractors with Short Tips 18mm & 12mm Blades



These are the archetypal Hohman Retractors often described in textbooks as 'Hohman'.

The 'standard' Hohman retractor shape and size.

Larger version at 240mm long is useful in larger dogs over about 20kg where more force is required for manipulation, and there may be more depth of overlying tissue.

Smaller version, 175mm long, is scaled down and useful in slightly smaller dogs or in smaller bones where less force is needed. Good for retracting fascia lata in CrCl procedures.

HOHMAN RETRACTORS WITH SHORT TIP

- ARA-V-763 Hohman Retractor 18mm Short Narrow Tip Total Length 240mm
ARA-V-764 Hohman Retractor 12mm Short Narrow Tip Total Length 175mm

Mini Hohman 6mm & 8mm Blade and Short Tip



Ideal for careful retraction of soft tissue during the manipulation of smaller bones and fragments, aiding reduction of soft tissue devascularisation. Also allow delicate retraction of soft tissue for screw and wire placement.

8mm version is particularly good for long bones in the cat.

MINI HOHMAN 6MM AND 8MM SHORT TIP

- ARA-V-765 Mini Hohman Retractor 6mm Short Tip 165mm Long
ARA-V-766 Mini Hohman Retractor 8mm Short Tip 165mm Long

Micro Hohman 4mm with Short Narrow Tip



The smallest Hohman ARA supply. Useful in very small procedures or patients. Also available in a version with a long narrow shaft to use with arthroscopic portals.

MICRO HOHMAN 4MM SHORT NARROW TIP

- ARA-V-767 Micro Hohman Retractor 4mm Short Tip 160mm Long
ARA-V-767A Micro Hohman Retractor 4mm Short Tip with narrow shaft for arthroscopy 160mm Long

Hohman Retractor Broad with Short Narrow Tip



Broad blade Hohman provide more effective retraction of large muscle masses than the standard version, with less focal pressure. Suggested uses:

48mm blade – larger dogs for elevation of femoral head and neck
24mm blade – muscle retraction during plating procedures

HOHMAN RETRACTOR BROAD WITH SHORT NARROW TIP

- ARA-V-768 Hohman Retractor 48mm Short Narrow Tip 260mm Long
- ARA-V-769 Hohman Retractor 24mm Short Narrow Tip 185mm Long

Mini Hohman Broad Blade with Narrow Tip



Suggested uses: Improving visualisation of and access to mid diaphysis of can and small dog bones & displacing ligaments and tendons in carpus/tarsus of larger patients.

MINI HOHMAN BROAD BLADE WITH NARROW TIP

- ARA-V-770 Mini Hohman 15mm Broad Blade 120mm Long

Hohman Retractor with Long Broad Tip



Useful in and around the shoulder joint and other retraction situations when a blunt tip is desirable.

HOHMAN RETRACTOR WITH LONG BROAD TIP

- ARA-V-771 Hohman Retractor 24mm Long Broad Tip 280mm Long
- ARA-V-772 Hohman Retractor 18mm Long Broad Tip 175mm Long

Gutter Hohman



The gutter profile of the blade's top surface helps to prevent bones from slipping off sideways until reduction has been achieved. This instrument is most useful for oblique fractures of the long bones of medium size dogs.

GUTTER HOHMAN

- ARA-V-773 Gutter Hohman Retractor 180mm Long for Oblique Fracture Reduction

Retractors designed specifically for use in and around the Hip Joint

Hohman retractors designed specifically for veterinary hip surgery, to deal with the muscle bulk involved

Swan-Neck Hohman



Used for elevation and exposure of the femoral neck and head in medium/large dogs. Cranked shape keeps the surgeon's hand and the femur out of the surgical field.

SWAN-NECK HOHMAN

ARA-V-774 Medium Swan-Neck Hohman 11mm Blade, Short Tip 220mm Long

Hip Hohman



Developed for use in total hip replacement but useful in any procedure requiring elevation of the femoral head. Multiple small teeth at the end lip of the instrument sit securely on the femoral neck outside the zone of articular cartilage.

Three sizes are available. Approximate guidelines are as follows:

Large	> 30kg
Medium	10 - 30kg
Small	< 10kg

HIP HOHMAN

- ARA-V-775 Large Hip Hohman 255mm Long 25mm Wide Blade
- ARA-V-776 Medium Hip Hohman 175mm Long 13mm Wide Blade
- ARA-V-777 Small Hip Hohman 125mm Long 8mm Wide Blade

Hohman Retractor 20mm Wide with Short Kinked Tip



Designed for femoral neck retraction for THR after the femoral head has been removed in order to visualise the acetabulum for acetabular reaming. The bent tip of the Hohman is engaged caudoventral to the acetabulum with the osteotomised surface of the femoral neck behind it, and then the Hohman is retracted to pull the femoral neck out of the way of the reamer.

HOHMAN RETRACTOR 20MM WIDE WITH SHORT KINKED TIP

ARA-V-778 Hohman 20mm Wide with Short Kinked Tip 200mm Long

OCD Curette



Loose flaps of cartilage at the OCD lesion must be removed. The double ended OCD curette is designed to perform this task within the limited space available. Healthy fibrocartilage within the lesion should not be disturbed.

OCD CURETTE

- ARA-V-779 Curette 215mm Long
- ARA-V-780 Curette Small 180mm Long

Adjustable Bone Saw



Useful for completing/ squaring off the osteotomy, this saw comes complete with five, fine chrome plated blades. Blade length is adjustable from 40mm to 100mm. Handle length 130mm. Blade length 155mm.

ADJUSTABLE BONE SAW

ARA-V-742 Adjustable Bone Saw C/W 5 Fine Blades

Gigli Wire Passer



Minimally invasive passing of Gigli wire around the ischium for TPO/ DPO can be challenging. The wire is simply passed down the tube, where the bend forces it back on itself for easy retrieval. Total length 160mm.

GIGLI WIRE PASSER

ARA-V-783 Gigli Wire Passer - 160mm Long

Handles for Gigli Wire



Attachment of non-eyed wires to these handles is achieved by means of a thumb screw. The wire is gripped more firmly if it is wrapped once around the handles before tightening the screw.

HANDLES FOR GIGLI WIRE

ARA-V-784 Handles for Gigli Wire 110mm (Pair)

Gigli Saw

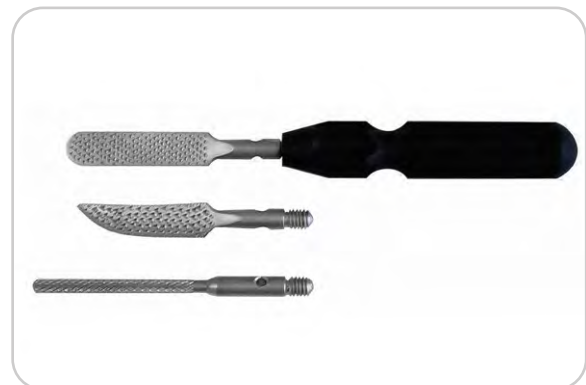


Essentially a bone cutting wire. More useful in large dogs. Hard to persuade the saw to cut where you want it to. Can be threaded through holes to make inaccessible cuts. e.g. ulna osteotomies.

GIGLI SAW

- ARA-V-785 Gigli Saw Handles (pair) 75mm
- ARA-V-786 Gigli Saw Bone Cutting Wire 30cm
- ARA-V-787 Gigli Saw Bone Cutting Wire 50cm

Combination Bone Rasp Set



The three Interchangeable Rasp Blades offer a range of cutting surfaces, flat, round and 'putti' style. The handle has an ergonomic design which is easy to grip even when wet.

COMBINATION BONE RASP SET

ARA-V-790 Combination Bone Rasp with 3 Interchangeable Heads

Cylindrical Rasp



Use to widen opening in femur. Available in 6mm and 8mm diameter.

CYLINDRICAL RASP

- ARA-V-808 Cylindrical Rasp 6mm Diameter
- ARA-V-809 Cylindrical Rasp 8mm Diameter

Acetabular Cup Positioner



This instrument holds the acetabular cup in position as the cement sets.

ACETABULAR CUP POSITIONER

- ARA-V-813 Acetabular Cup Positioner

Meyerding Retractor



A heavy duty retractor for use around the hip.

MEYERDING RETRACTOR

- ARA-V-814 Meyerding Retractor 16mm

Heygroves Femur Grasping Forceps

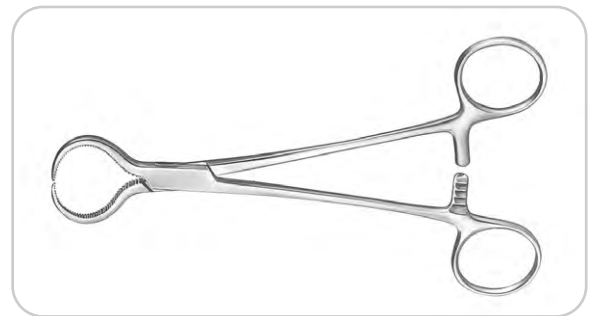


Powerful clamps to lock onto the femoral shaft. Used to rotate the femoral head outwards for excision.

HEYGROVES FEMUR GRASPING FORCEPS

- ARA-V-815 Heygroves Femur Grasping Forceps 10" Long

Lewin Femur Grasping Forceps



The curvature and multiple teeth of these forceps match almost exactly the profile of the large dog femur.

LEWIN FEMUR GRASPING FORCEPS

- ARA-V-816 Lewin Femur Grasping Forceps 18cm

Arthroscopy Instruments



Hand Instruments

Hand instruments for investigation are designed to move or retract intraarticular structures and usually take the form of blunt probes or grasping forceps. Where intra-articular surgery or sampling is involved additional cutting instruments will be required.

Arthroscopic Hand Instruments



HOOK PROBE

ARA-V-AH110 Hook Probe 2.2mm With Metal Handle



ELEVATOR

ARA-V-AH111 Elevator Heavy 2.7mm With Metal Handle



BAYONET KNIFE

ARA-V-AH112 Bayonet Knife 2.7mm With Metal Handle



BANANA KNIFE

ARA-V-AH113 Banana Knife 2.7mm, with Metal Handle



CURETTE

ARA-V-AH114 Curette 2.7mm Curved With Metal Handle



RING CURETTE

ARA-V-AH115 Ring Curette 2.7mm Small With Metal Handle



Hold tear with clamp and push knife against 'handle' to detach from body of meniscus.

MENISCUS KNIFE

ARA-V-AH116 Meniscus Knife Smillie 2.7mm With Metal Handle



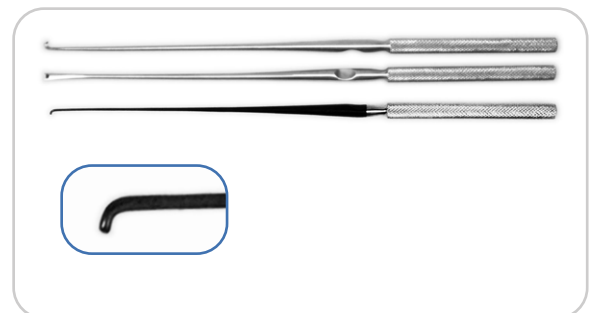
Use to hook under meniscal tears and detach handle from body of meniscus.

HOOK KNIFE

ARA-V-AH117 Hook Knife 2.7mm With Metal Handle

Arthroscopy Hand Instrument Set

A useful set of three arthroscopy instruments for examination and intraarticular surgery. The two hand held knives can deal with most meniscal tears, whilst the black shaft of the hook probe minimises reflection.



ARTHROSCOPY HAND INSTRUMENT SET

ARA-V-AH110 Pull Knife

ARA-V-AH111 Push Knife

ARA-V-696 Meniscus Probe 2.2mm Black Shaft for Arthroscopy 220mm

Gordon Coronoid Osteotome



This narrow osteotome is used for arthroscopic sub-total coronoidectomies.

ORDON CORONOID OSTEOTOME

ARA-V-750 Gordon Coronoid Osteotome (4mm)

ARA-V-751 Gordon Coronoid Osteotome (2mm)

Arthroscopic Punches, Biopsy Forceps, Rongeurs and Grasping Forceps

Arthroscopic forceps and rongeurs should be selected according to patient and portal size. A very small pair of grasping or cutting forceps will fit any portal but will be easily damaged if used on large fragments. Various designs are available for grasping cutting, or nibbling intra-articular structures.

2.0mm Instruments

2.0mm Instruments - working length 11cm.



- made for veterinary use
- overstraining protected

2.0mm Instruments, working length 11cm



MINI RONGEUR AND BIOPSY FORCEPS

ARA-V-791 Mini Rongeur and Biopsy Forceps: 2.0mm



MINI PUNCH

ARA-V-792 Mini Punch for arthroscopy: 2.0mm



MINI SCISSOR

ARA-V-793 Mini Scissor for arthroscopy: 2.0mm

2.2 / 2.7mm Instruments



MINI RONGEUR - HIGH PERFORMANCE

ARA-V-794 Mini Rongeur - High performance 2.2mm / 2.7mm 11cm

2.7mm Instruments, working length 12cm with overstraining protection.



ALLIGATOR GRASPING FORCEPS WITH RACHET

ARA-V-795 Alligator Grasping Forceps with Ratchet : 2.7mm



UNIVERSAL RONGEUR AND GRASPING FORCEP

ARA-V-796 Universal Rongeur and Grasping Forceps Fenestrated: 2.7mm



BIOPSY AND SPOON

ARA-V-797 Biopsy and Spoon: 2.7mm



ARTHROSCOPIC PUNCH

ARA-V-798 Arthroscopic Punch: 2.7mm



ARTHROSCOPIC HOOK SCISSORS

ARA-V-799 Arthroscopic Hook Scissors: 2.7mm

3.4mm Instruments



MINI RONGEUR AND BIOPSY FORCEPS

ARA-V-800 "Universal Rongeur and Grasping Forceps, Fenestrated without Ratchet: 3.4mm working length 12cm"

Angled Slender Meniscus Punches



In the human knee management of meniscal tears is by arthroscopy punches. Most human arthroscopy punches are too large for the canine stifle even with appropriate distraction.

ANGLED SLENDER MENISCUS PUNCHES

ARA-V-801 Slender Punch Straight
ARA-V-801A Slender Punch Angled Left
ARA-V-801B Slender Punch Angled Right

Slender Pointed Grasping Forceps

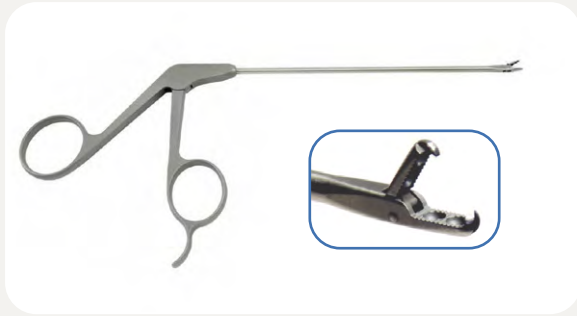


Pointed grasping forceps may be used for gentle dissection and grasping of small intra-articular objects.

SLENDER POINTED GRASPING FORCEPS

ARA-V-802 Slender Pointed Graspers Straight

Grasper-Alligator Diameter 2.75mm with Hooked Tip Self Release



Grasping and maintaining a grip on fragments can be very challenging for both surgeon and instrument. Once locked on, the surgeon is understandably reluctant to let go, sometimes taking an instrument beyond its working limits.

The ARA-V-803 Alligator forcep is toothed for maximum grip and has a self releasing handle.

GRASPER-ALLIGATOR DIAMETER 2.75MM WITH HOOKED TIP SELF RELEASE

ARA-V-803 Grasper-Alligator Ø 2.75mm with Hook Tip Shaft Length 12cm

Arthroscopy Instrumentation

Special Length - Length and diameter were adapted for smaller joints, which provides ideal access to knee, elbow and shoulder.



Grasping Forcep Alligator



Fine serration, with flush port 2.0mm. 110mm shaft.

GRASPING FORCEP ALLIGATOR

ARA-V-GFA10 2mm Alligator Forceps

Hook Scissors



Sharp, with flush port 2.7mm. 110mm shaft.

HOOK SCISSORS

ARA-V-GFA11 Hook Scissors Sharp With Flush Fort 2.7mm 110 Shaft

Biopsy Spoon Forceps



Sharp, with flush port, 2.0mm. 110mm shaft.

BIOPSY SPOON FORCEPS

ARA-V-GFA12 2mm Biopsy Forceps

Biopsy Grasping Forceps



With spoon, 1x2 teeth, with ratchet, flush port 3.0mm. 110mm shaft.

BIOPSY GRASPING FORCEPS

ARA-V-GFA13 3mm Biopsy Grasping Forceps

Biopsy Spoon Forceps



Cross serrated with ratchet, flush port 2.7mm. 105mm shaft.

BIOPSY SPOON FORCEPS

ARA-V-GFA14 2.7mm Biopsy Forceps

Spinal Instruments



Instrumentation

Percussion Mallet



Designed for consistent neurological examination. Much better than whatever you are using at the moment!

PERCUSSION Mallet

ARA-V-817 Percussion Mallet 180mm Long

Rongeurs & Punches

All rongeurs and spine forceps cut with one part of the jaw inserted into the compromised spinal canal. Our spine instruments are designed to minimise the size of the lower jaw. In many cases this will reduce the cutting strength of the instrument which should only be used on appropriate bone thickness. A selection of rongeurs will be required.

Duck-Billed Daniel Rongeurs



These rongeurs can remove full thickness laminal bone in small dogs. They are, however, best used to remove the layer of deep cortical bone overlying the spinal cord once the superficial cortex and cancellous bone have been removed using power tools; this is particularly true of the medium and large dog.

DUCK-BILLED DANIEL RONGEURS

ARA-V-818 Duck-Billed Daniel Rongeurs 3mm Bite 177mm Long

Daniel Rongeur



The jaws of this instrument are straight and the bite is small. Also suitable for bulla osteotomy.

DANIEL RONGEUR

ARA-V-819 Daniel Rongeurs AOF 4mm Bite 130mm Long

Lempert Straight



A useful rongeur with a small bite for incremental bone nibbling around the spine. A selection of small rongeurs is desirable when operating on the spine.

LEMPERT STRAIGHT

ARA-V-453 Lempert Rongeurs Straight 3mm Bite 190mm Long

Friedman



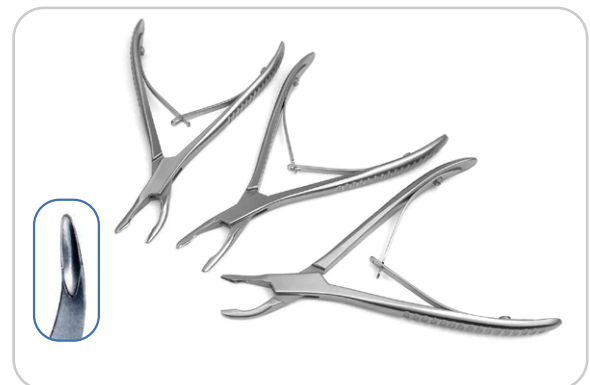
Very fine rongeurs for incremental removal of bone overlying the spine.

MINI-FRIEDMAN

ARA-V-450 Mini-Friedman Rongeur Curved 3mm Bite 155mm Long

ARA-V-452 Micro-Friedman Rongeur Curved 2.2mm Bite 155mm Long

Micro Spine Rongeur Set



Very fine rongeurs with a 1.75mm (width) bite. Available in three variations, straight, curved and angled. Significant savings when purchased as a set of three.

MICRO SPINE RONGEUR SET

ARA-V-MSRS10 Micro Spine Rongeurs Set of 3

Laminectomy Rongeurs



These rongeurs have been developed specifically for laminectomy in the dog. Features:

LAMINECTOMY RONGEURS

- ARA-V-820 Laminectomy Rongeurs 2mm 160mm
- ARA-V-821 Laminectomy Rongeurs 3mm 160mm
- ARA-V-822 Laminectomy Rongeurs 4mm 160mm

Compound Action Spinal Rongeurs



Much more powerful than the Daniels, this instrument can nibble through full thickness lamina. The jaws are very fine and angled to allow the surgeon to enlarge the inter-vertebral foramen. Available in 2, 3, 4 and 5mm jaw widths. Length 190mm.

COMPOUND ACTION SPINAL RONGEURS

- ARA-V-823 Compound Action Spinal Rongeurs 2mm 190mm
- ARA-V-824 Compound Action Spinal Rongeurs 3mm 190mm
- ARA-V-825 Compound Action Spinal Rongeurs 4mm 190mm
- ARA-V-826 Compound Action Spinal Rongeurs 5mm 190mm

Stille-Luer



A very large rongeur.

STILLE-LUER

- ARA-V-458 Stille-Luer Heavy Compound Action Straight 8mm Bite 225mm
- ARA-V-459 Stille-Luer Heavy Compound Action Curved 8mm Bite 225mm

Smith-Kerrison Punch Forceps



This is a traditional design with a 40 degree upward cutting jaw. Robust spine forceps. Good quality and excellent value. 185mm shaft.

SMITH-KERRISON PUNCH FORCEPS

- ARA-V-827 Smith-Kerrison Punch Forceps 2mm
- ARA-V-828 Smith-Kerrison Punch Forceps 3mm

40° Bone Punch Forceps (Low Profile)



This instrument is designed for use with high speed bur systems. The bur is used to remove the outer cortical layer and the underlying cancellous layer, leaving only the inner cortical bone (approximately egg shell thickness). The powerful nibbling action allows the final layer of bone to be removed in a very controlled manner.

From a surgical standpoint the foot should be as small as possible, for strength the foot needs to be as large as possible. This wedge shape is a good compromise. In addition the foot is polished to minimise friction and trauma to the spine. Overall length 21 cm.

40° BONE PUNCH FORCEPS

- ARA-V-829 Spine Punch Forceps 2mm 40° Upward Cut
- ARA-V-830 Spine Punch Forceps 3mm 40° Upward Cut
- ARA-V-831 Spine Punch Forceps 4mm 40° Upward Cut

SPINE PUNCH FORCEPS (FINE)

- ARA-V-SPFF10 Spine Punch Forceps 3mm
- ARA-V-SPFF11 Spine Punch Forceps 4mm

Retractors & Distractors

Gelpi Odd Leg Retractor



These are long established, but frequently overlooked instruments that have proven very popular amongst surgeons who have discovered them. This asymmetric pattern is most typically used for a dorsal approach to the spine where the long arm extends deep to retract the longissimus dorsi muscle as the short arm engages with axial structures. They are supplied in matched, opposite pairs to create a rectangular window of exposure.



GELPI ODD LEG RETRACTORS

- ARA-V-489 Odd Leg Gelpi Pair (a=25/40mm) 205mm Long
- ARA-V-490 Odd Leg Gelpi Short Pair (a=20/30mm) 130mm Long

Spike & Shield Odd Leg Retractor



Operates in a similar fashion to the odd leg Gelpis but the muscle retaining shield creates a wider field of view. Supplied in pairs left and right.

SPIKE & SHIELD ODD LEG RETRACTOR

- ARA-V-834 Large 25 x 25mm Shield 180mm Long - Pair
- ARA-V-835 Small 12 x 12mm Shield 125mm Long - Pair

Cone Laminectomy Retractor



Similar in size to a Travers retractor but with articulated arms, the cone retractor allows a very flexible field of retraction, with the additional benefit that it can be folded away from the operation site. Maximum retraction, minimum interference.

CONE LAMINECTOMY RETRACTOR

- ARA-V-836 Cone Laminectomy Retractor 160mm Long

Caspar Modular Self Retaining Retractor



The Caspar self retaining retractor is a modular retractor which utilises a ratchet rack mechanism to distract a variety of blades and other inserts. Although designed as a spinal retractor the Caspar has many other applications.

Uniquely veterinary inserts include the cervical distraction pins (2.5mm diameter).

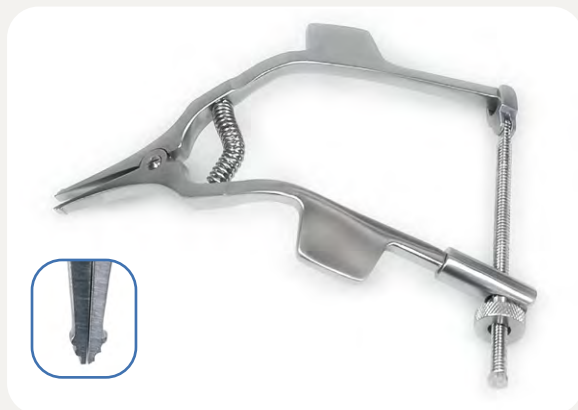
CASPAR MODULAR SELF RETAINING RETRACTOR

ARA-V-837S Caspar Retractor with Standard Blades x 6 170mm Long

ARA-V-837P Caspar Cervical Distractor Pins x 2

ARA-V-837E Set Extended Length Blades 8, 10, 12 & 15cm

Small Spine Distractor



The tips of the small distractor are designed to fit into inter-vertebral spaces. The surfaces pushing against the end plates are serrated for maximum grip. Tips when closed 4mm. Overall length 140mm. Tips are staggered for easy introduction.

SMALL SPINE DISTRACTOR

ARA-V-838 Small Spine Distractor Tip 4mm Length 140mm

Burley Disc Scoop

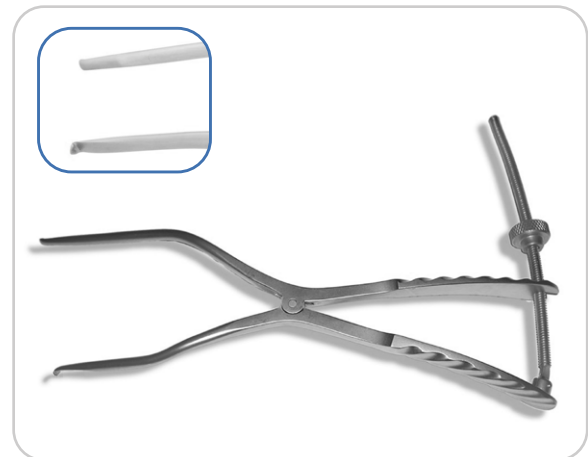


The Burley Disc Scoop is designed to remove material without repeated insertions into the disc space. As the scoop is moved around, the nuclear material travels along the channel and out.

BURLEY DISC SCOOP

ARA-V-839 Burley Disc Scoop 155mm

McKee Distractor with Speedlock



The odd legs of this dedicated distractor engage the intra vertebral space cranial to and caudal to the space involved. The speedlock opens the disc space leaving it uncluttered by instrumentation. An alternative to washers is fusion using bone cement with or without screws.

MCKEE DISTRACTOR WITH SPEEDLOCK

ARA-V-840 McKee Distractor with Speedlock 240mm

Hand Instruments

Freer Periosteal Elevator



The Freer Elevator is a fine instrument which is particularly useful in spinal work.

FREER PERIOSTEAL ELEVATOR

ARA-V-476 Freer Periosteal Elevator 5mm 180mm Long

Periosteal Elevator Very Fine



PERIOSTEAL ELEVATOR VERY FINE

ARA-V-480 Very Fine 2mm/ 3mm Periosteal Elevator 180mm Long

Dandy Nerve Hook



The Dandy Nerve Hook is useful for manipulation of nerves and nerve roots. Also useful for manipulation of the medial meniscus during CCL procedures.

DANDY NERVE HOOK

ARA-V-DNH10 Dandy Nerve Hook 1mm 190mm Long

ARA-V-DNH11 Dandy Nerve Hook 2mm 220mm Long

Chase Spinal Hook



This probe is useful for manipulation of the spinal cord and nerve roots during certain surgeries.

CHASE SPINAL HOOK

ARA-V-841 Chase Spinal Hook 8mm 90° Offset 145mm

Bone Curette



Following requests for a House Curette with smaller scoops, this set of two bone curettes have been designed with 1mm and 2mm scoops. This is the smallest scoop we can provide whilst still being strong enough to elevate bone.

BONE CURETTE

ARA-V-842 Bone Curette 1.0mm Scoop 145mm

ARA-V-843 Bone Curette 2.0mm Scoop 145mm

Bone Tamper



Bone Tamper - also can be used as a bone filling instrument.

BONE TAMPER

ARA-V-844 Bone Tamper 1.0mm Scoop 150mm

ARA-V-845 Bone Tamper 2.0mm Scoop 150mm

House Curette



The House Curette is a strong small curette to lift bone from around the spinal cord. Double ended 2.5mm and 3.0mm scoops.

HOUSE CURETTE

ARA-V-846 House Curette 2.5mm and 3.0mm Scoops 150mm

Rosen Mobiliser

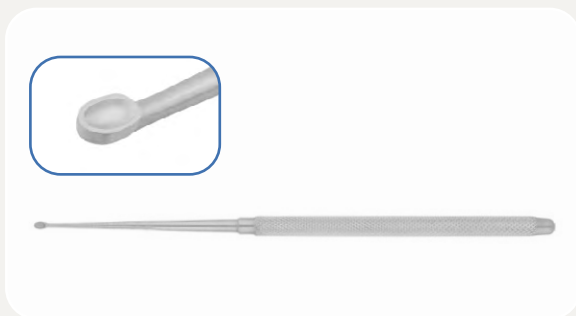


With care, intraneural canal structures can be manipulated. Removal of disc debris is essential to achieve decompression of the cord. The curved tip of this instrument is very useful.

ROSEN MOBILISER

ARA-V-847 Rosen Mobiliser No.8 160mm
ARA-V-847S Rosen Mobiliser No.9 160mm

Sheas Curette

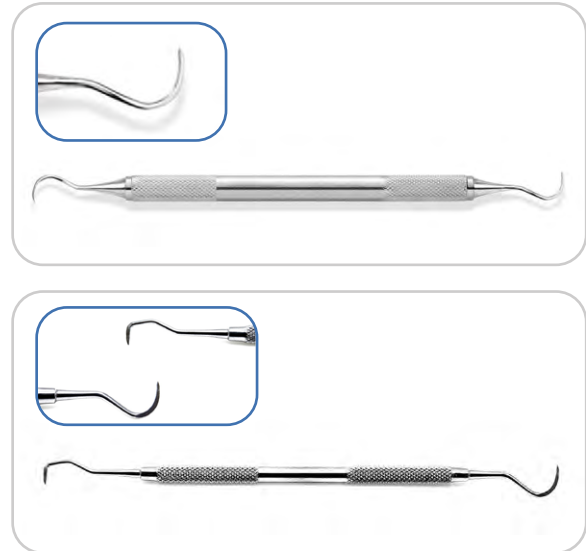


Fenestration of discs, particularly cervical discs, can be a useful procedure. The Sheas Curette is a very small scoop. 2.5mm in diameter.

SHEAS CURETTE

ARA-V-848 Sheas Disc Curette 2.5mm Diameter 170mm

Younger Good Scaler Jaquette Scaler

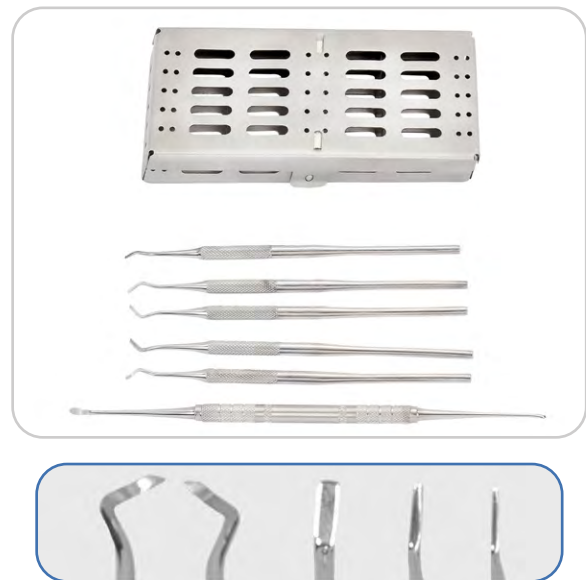


The removal of wafer thin bone overlying the spinal cord during laminectomy. The Younger Good scaler is blunt backed and useful for removal of disc material from both disc spaces and neural canal. This is not a standard scaler in that all the sharp surfaces are softened to minimise spinal trauma. The Jaquette scaler is sharp and best suited to hooking out the final lamina.

YOUNGER GOOD SCALER JAQUETTE SCALER

ARA-V-849 Younger Good Scaler 175mm
ARA-V-850 Small Jaquette Scaler 165mm

FitzExcavator Set



This excavator set includes all the necessary hand instruments for surgical management of canine intervertebral disc disease.

The set consists of 5 cutting instruments: one left, one right, plus 3 straight instruments 2.00mm, 1.00mm and 0.5mm. Set also includes ARA-V-481 Molt Periosteal Elevator (4mm/6mm). The six instruments are supplied in a stainless autoclavable case.

FITZEXCAVATOR SET

ARA-V-FESET10 FitzExcavator Set

Soft Tissue Surgery Instruments



Thoracic Surgery

Foreign Body Retrieval Forceps

ARA-V-851



ARA-V-852



ARA-V-853



ARA-V-854



ARA-V-855



We offer a range of forceps to cover every eventuality from a bone in the oesophagus of a large dog to a grass seed in a cat trachea. The Forceps may be guided by rigid or flexible endoscopes or fluoroscopy. In exceptional cases retrieval may be achieved by 'feel'. It is helpful to inflate the oesophagus prior to withdrawal of spiky objects. The teeth face backwards for maximum grip. When closed the jaws are atraumatic for minimal damage to the oesophagus or trachea.

The "One day you will need these".

- Backward facing teeth for maximum grip
- Jaws are externally atraumatic
- Shaft diameter as small as possible
- Large Forceps jaws are angled when closed so that when open they sit mid oesophagus.

FOREIGN BODY RETRIEVAL FORCEPS

- ARA-V-851 Foreign Body Retrieval Forceps Shaft Length 640mm
- ARA-V-852 Foreign Body Retrieval Forceps Shaft Length 500mm
- ARA-V-853 Foreign Body Retrieval Forceps Shaft Length 400mm
- ARA-V-854 Foreign Body Retrieval Forceps Shaft Length 400mm
- ARA-V-855 Foreign Body Retrieval Forceps Shaft Length 220mm

Code		Diameter at Jaws in mm	Length at Jaws in mm	Shaft Diameter in mm	Shaft Length in mm
ARA-V-851		13 x 9	34	7.5 x 6	640
ARA-V-852		11.5 x 6	31	6.5 x 5	500
ARA-V-853		5.6 x 4.2	15.5	4 x 3	400
ARA-V-854		4.5	11.5	3.5	400
ARA-V-855		3.3	8	2.5	220

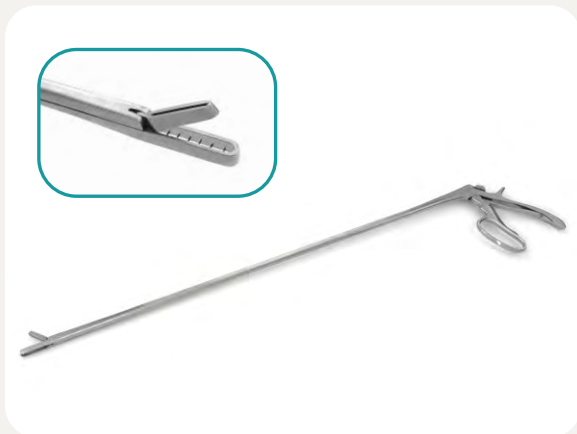
Equine Cervix Forceps



EQUINE CERVIX FORCEPS

ARA-V-856 Equine Cervix Forceps Large Animal Cervix Forceps
German Stainless Steel Length 53cm

Mare Biopsy Punch



MARE BIOPSY PUNCH

ARA-V-860 Mare Biopsy Punch Length 25"

Foreign Body Oesophoscope

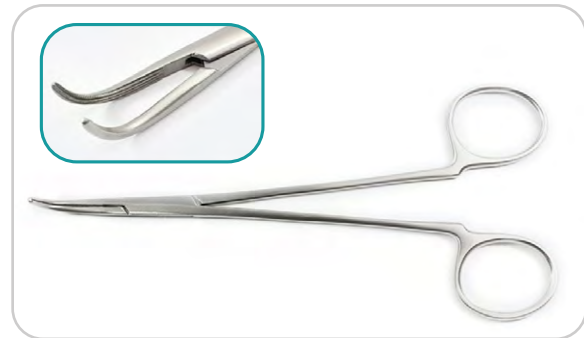


The oesophoscope allows the surgeon to see the foreign body and is large enough to ease the bone back out through the mouth. Without a large tube the bone traumatises the oesophagus as it is withdrawn.

OESOPHASCOPE

ARA-V-857 1. 29mm x 450mm Long
ARA-V-858 2. 29mm x 300mm Long
ARA-V-859 3. 20mm x 300mm Long

Right Angled Clamps

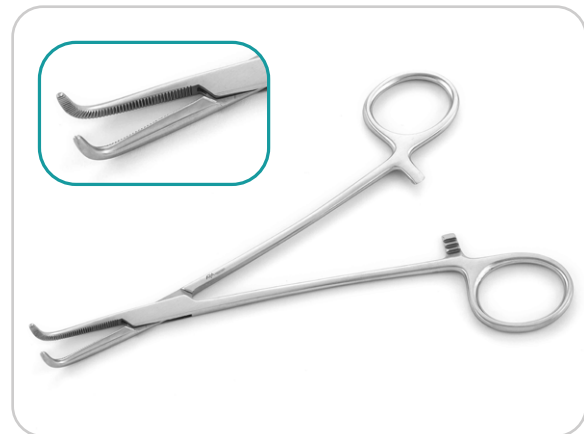


Typically used to dissect around a patent ductus arteriosus and then pull through appropriate ligative material.

RIGHT ANGLED CLAMPS

ARA-V-861 Right Angled Clamps 195mm Long
ARA-V-862 Small Right Angle Clamps 160mm Long
ARA-V-862S Small Right Angle Clamps without Ratchet 160mm Long

Curved Forceps - Long



CURVED FORCEPS - LONG

ARA-V-863 45 Degree Curved Forceps 220mm Long
ARA-V-864 90 Degree Curved Forceps 245mm Long

Rib Shears



RIB SHEARS

ARA-V-865 Rib Shears 220mm Long Rib Shears 220mm Long

Ovariohysterectomy

Spay Hooks



Use to atraumatically lift uterine horns.

SPAY HOOKS

- ARA-V-866 Spay Hook Small 130mm Long
- ARA-V-867 Spay Hook Large 170mm Long

Spay Forceps



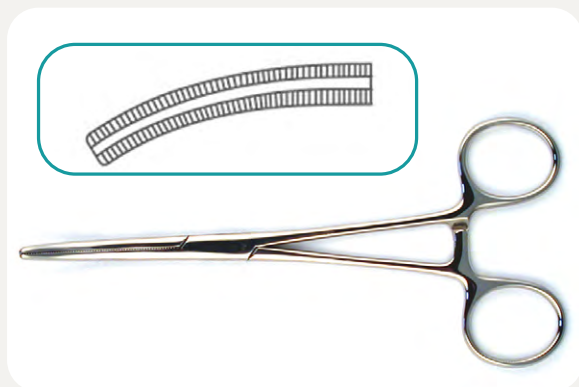
'Sturdy' type. Atraumatic spay forceps-tips have fine toothed DeBakey type form.

SPAY FORCEPS

- ARA-V-868 Spay Forceps 5" 125mm Long
- ARA-V-869 Spay Forceps (DeBakey Type) 5" 125mm Long

Spay Clamps

Angiotribes

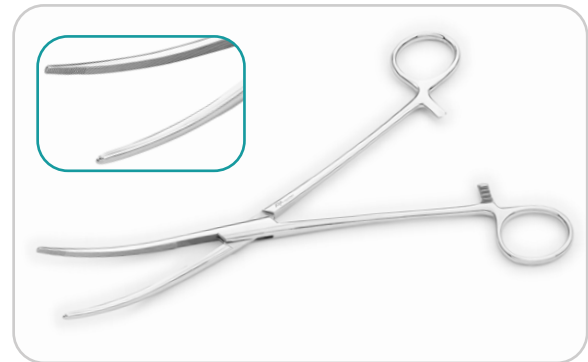


The jaws of this instrument are designed for maximum crushing by serrated longitudinal grooves.

ANGIOTRIBES

- ARA-V-870 Angiotribes Straight 6.5" 160mm
- ARA-V-871 Angiotribes Curved 6.5" 160mm
- ARA-V-872 Angiotribes Straight 8" 200mm
- ARA-V-873 Angiotribes Curved 8" 200mm

Hysterectomy Clamps (Carmault)



These Clamps are curved with longitudinal grooves in the jaws to minimise tissue slippage. More reasonably priced than Angiotribes.

HYSTERECTOMY CLAMPS

- ARA-V-874 Hysterectomy Clamp (Carmault) 200mm Long
- ARA-V-875 Hysterectomy Clamp (Carmault) 160mm Long

Spay Retractors

Hauptman Retractors



This Retractor designed to maintains distal retraction of the ovary during ligation of the ovarian pedicle. This is the crucial part of the procedure which can be a challenge for even experienced surgeons. This Retractor simplifies the task considerably.

HAUPTMAN RETRACTORS

- ARA-V-876 Small Hauptman Retractor 10mm Blade
- ARA-V-877 Medium Hauptman Retractor 15mm Blade
- ARA-V-878 Large Hauptman Retractor 20mm Blade

Miscellaneous Obstetrical Items

Miscellaneous Obstetrical Items



ARA-V-879



ARA-V-880 ARA-V-881



ARA-V-274

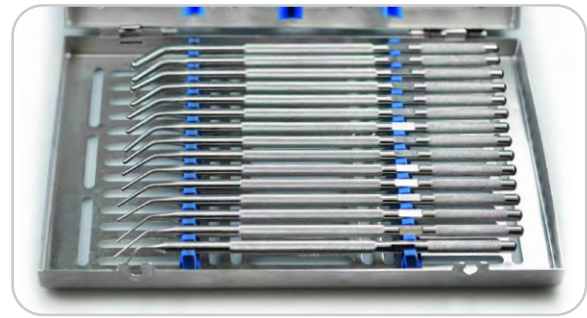


ARA-V-882

MISCELLANEOUS OBSTETRICAL ITEMS

- ARA-V-879 Miss Freaques Whelping Forceps 260mm Long
- ARA-V-880 Hobdays Obstetric Forceps for Cats 150mm Long
- ARA-V-881 Hobdays Obstetric Forceps for Dogs 210mm Long
- ARA-V-274 Killian Bitch Speculum Blade Length 6.5cm 2.5"
- ARA-V-882 Obstetric Vectis Double-ended 240mm Long

Vascular Probe Set



A Set of 15 Vascular Probes in a fully Autoclavable Stainless Steel Case. The 25mm long angled working tips are of specified diameter permitting accurate documentation of blood-vessel diameter and marriage of bloodvessel diameters when performing vascular anastomoses. With an overall length of 225mm, these are especially useful in abdominal surgery, in particular for documenting hepatic shunts.



The Set includes Probe diameters of 1.25, 1.5, 1.75, 2, 2.25, 2.5, 2.75, 3, 3.25, 3.5, 3.75, 4, 4.5, 5 and 6mm. Diameters are clearly etched on the handles.

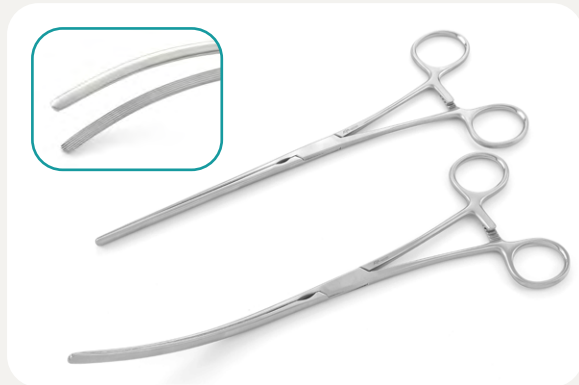
VASCULAR PROBE SET

ARA-V-VPSET Vascular Probe Set

Miscellaneous Soft Tissue Products

Bowel Clamps

Doyen Bowel Clamp

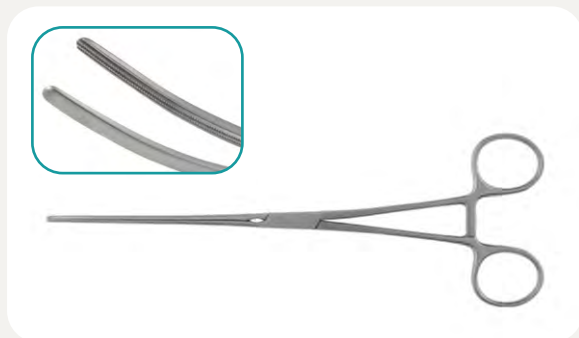


The Doyen Bowel Clamps, making the Doyen more atraumatic. Ribs maximise grip.

DOYEN BOWEL CLAMP

ARA-V-883 Bowel Clamps Doyen Str 9.5" 24cm
ARA-V-884 Bowel Clamps Doyen Cvd 9.5" 24cm

Atraumatic Small Bowel Clamp

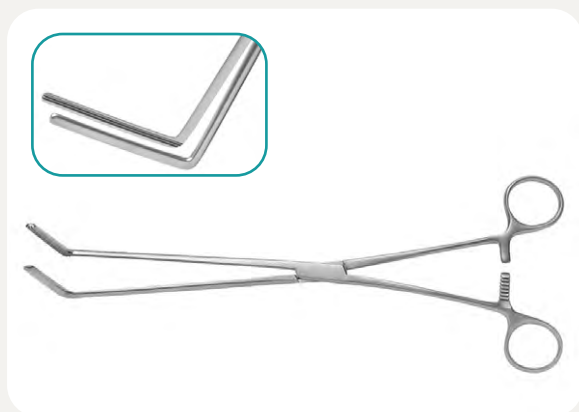


Jaw design gently holds and seals the bowel with a minimum of pressure and trauma. The fine ratchet facilitates gentle yet secure application.

ATRAUMATIC SMALL BOWEL CLAMP

ARA-V-885 Bowel Clamps Small Animal Atraumatic Str 170mm Long
ARA-V-886 Bowel Clamps Small Animal Atraumatic Cvd 170mm Long

Resano Bowel Clamp



RESANO BOWEL CLAMP

ARA-V-887 Resano Bowel Clamp 250mm Long

Drain Clamps



DRAIN CLAMPS

ARA-V-888 Tube Clamp 190mm 7.5" 190mm Long

Tissue Forceps

Angled Allis Tissue Forceps



This angled Allis has 4 into 5 teeth at the tip and is angled mid shaft. The kink in the shaft of the Allis allows use in the upper airway and pharynx without obstructing other instrumentation. Note at 200mm the length is longer than the standard Allis.

ANGLED ALLIS TISSUE FORCEPS 4/5 TEETH

ARA-V-889 Angled Allis Tissue Forceps 4/5 Teeth 200mm Long

Soft Edge Spoon

Soft Edge Surgical Spoon - Faecal/Bladder



Removing calculi from the bladder or impacted faeces from the rectum requires great care to avoid damage. 'Domestic' spoons are typically too sharp and too short for the purpose.

Our Soft Edge Spoons have been designed and manufactured with veterinary procedures in mind.

Available in three sizes:

- XSmall 10 x 14 x 230mm Suitable for faeces and very small bladders (feline/ small canine)
- Small 20 x 25 x 250mm Suitable for faeces and small bladders
- Large 67 x 34 x 270mm Suitable for the bladder

SOFT EDGED SPOON

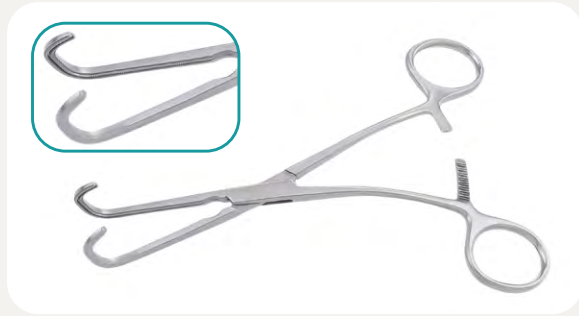
ARA-V-890 Soft Edged Spoon - XSmall 10 x 14 x 230mm
ARA-V-891 Soft Edged Spoon - Small 20 x 25 x 250mm
ARA-V-892 Soft Edged Spoon - Large 67 x 34 x 270mm

Head And Neck Surgery Instruments



Airway Surgery

Soft Palate Clamp



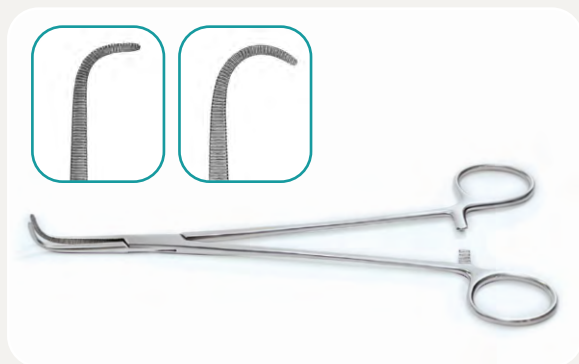
An overlong palate is a common cause of dyspnoea in the brachiocephalic dog. Shortening the soft palate in an atraumatic manner provides almost immediate relief. The jaws have a special atraumatic grip to hold the very slippery soft palate.

SOFT PALATE CLAMP

ARA-V-894 Soft Palate Clamps Large 26 x 12mm 170mm Long

ARA-V-895 Soft Palate Clamps Small 18 x 7mm 170mm Long

Tonsillectomy Clamp



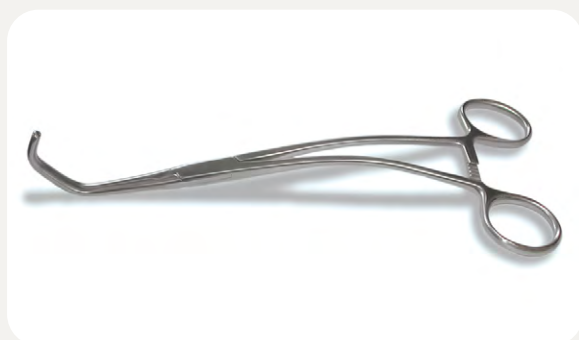
The standard Negus clamp may be used in pairs for soft palate resection.

TONSILLECTOMY CLAMP

ARA-V-896 Tonsillectomy Clamp Right Angle 190mm Long

ARA-V-897 Tonsillectomy Clamp Curved 190mm Long

Satinsky Clamp



Useful for intra-thoracic surgery, trimming soft palates and even ears. Atraumatic design maximises haemostasis and minimises trauma.

SATINSKY CLAMP

ARA-V-898 Satinsky Clamps 20mm Jaw 160mm Long

ARA-V-899 Satinsky Clamps 30mm Jaw 200mm Long

Tracheostomy Tube



Where temporary or permanent upper airway obstruction occurs placement of a tracheostomy tube is a life saving procedure. Our Tubes are silver plated with a removable lining for easier cleaning.

Metal tubes have a much thinner wall than plastic tubes. This becomes particularly critical in smaller patients.

TRACHEOSTOMY TUBE

ARA-V-900 Tracheostomy Tubes 6mm (Silver Plate)

ARA-V-901 Tracheostomy Tubes 8mm (Silver Plate)

ARA-V-902 Tracheostomy Tubes 11mm (Silver Plate)

ARA-V-903 Tracheostomy Tubes 13mm (Silver Plate)

Soft Tissue Biopsy Forceps



Designed to take samples of soft tissue masses from the ear or via the mouth. Fits down all usual aural speculæ.

Two sizes for most patients.

SOFT TISSUE BIOPSY FORCEPS

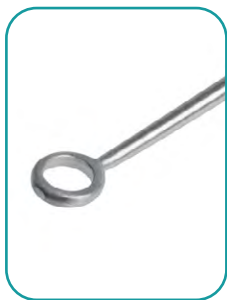
ARA-V-904 Cup Biopsy Forceps 2mm Diameter Shaft 75 x 3.6mm

ARA-V-905 Cup Biopsy Forceps 2mm Diameter Shaft 100 x 3.6mm

ARA-V-906 Cup Biopsy Forceps 3.5 x 8mm Shaft 105 x 5.6mm

Aural Surgery

Ear Loop



ARA-V-923



ARA-V-924 - ARA-V-925

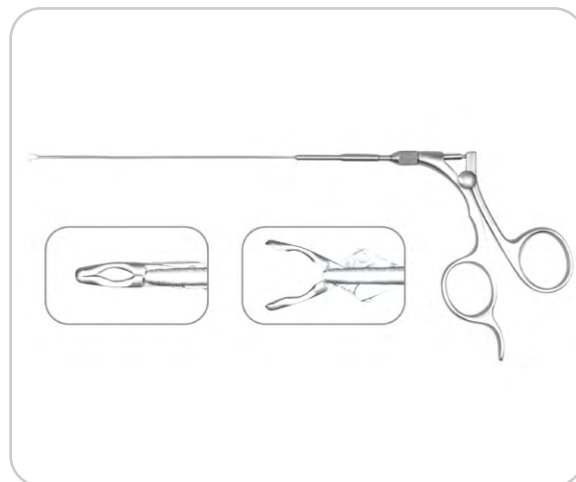
Removal of hard wax and other debris from the canine horizontal canal without causing trauma is a common problem in veterinary surgery. It is now accepted that the use of Ear Loops is more effective than cotton tipped products. Most human ear loops are too large and too short for use with the much longer veterinary speculae.

Veterinary Instrumentation's Canine Ear Loop is slimmer and longer to facilitate debris removal without obscuring the visual field. The Flexible Ear Loop is very fine and flexible for added safety. It is not cheap but should last a lifetime.

CANINE EAR LOOP

- ARA-V-923 BUCK Ear Curette Curved, blunt 170mm Long
- ARA-V-924 Flexible Ear Loop Cat/ Small Dog Size 160mm Long
- ARA-V-925 Flexible Ear Loop Medium/ Large Dog Size 160mm Long

Fine Flexible Grasping Forceps



The Fine Flexible Grasping Forceps have a maximum diameter of 1.7mm and are therefore ideal for small working channels and speculae.

FINE FLEXIBLE GRASPING FORCEPS

- ARA-V-913 Fine Flexible Grasping Forceps 160mm Shaft

Malleable Instruments



Fully flexible instruments are difficult to control. Malleable instruments allow the tips to be positioned exactly where the surgeon needs them. The forceps are available as graspers or as biopsy forceps. The Malleable Loops are available in two loop diameters 2mm and 4mm.

MALLEABLE INSTRUMENTS

- ARA-V-909 Malleable Grasping Forceps 145mm Shaft
- ARA-V-910 Malleable Biopsy Forceps 2mm Cup 145mm Shaft
- ARA-V-911 Malleable Ear Loop Curette 2.0mm Diameter
- ARA-V-912 Malleable Ear Loop Curette 4.0mm Diameter

Crocodile Forceps

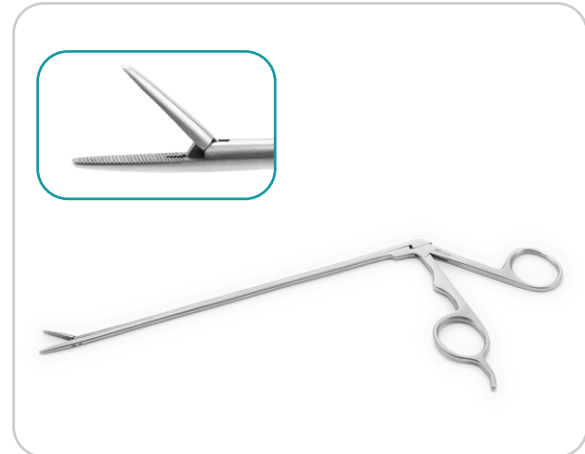


Examination of the external ear is an essential part of any investigation of otitis. For Otoscopes and Optics see chapter 20 Diagnostics. Removal of foreign bodies, particularly grass seeds, is achieved using long crocodile forceps. Available in traditional designs or as a fine tubular shaft design.

CROCODILE FORCEPS

- ARA-V-914 Extra Fine Croc Forceps Tubular 3" Shaft
- ARA-V-915 Extra Fine Croc Forceps Tubular 5" Shaft
- ARA-V-916 Extra Fine Croc Forceps Tubular 7" Shaft
- ARA-V-917 Extra Fine Croc Forceps Tubular 9" Shaft
- ARA-V-918 Aural Crocodile Forceps Standard Jaw 3" Shaft
- ARA-V-919 Aural Crocodile Forceps Standard Jaw 5" Shaft
- ARA-V-920 Aural Crocodile Forceps Standard Jaw 7" Shaft

Grasping Forceps



For grasping small items that are lodged such as grass seeds in ear canals. The fine tip version offers a very small end for more delicate areas.

GRASPING FORCEPS

- ARA-V-GF10 Grasping Forceps 120mm Length
- ARA-V-GF11 Grasping Forceps 170mm Length
- ARA-V-GF12 Grasping Forceps 220mm Length
- ARA-V-GF13 Grasping Forceps Fine Tip 120mm Length
- ARA-V-GF14 Grasping Forceps Fine Tip 170mm Length
- ARA-V-GF15 Grasping Forceps Fine Tip 220mm Length

Modular TECA Kerrison with 3 Inserts, Self Cleaning



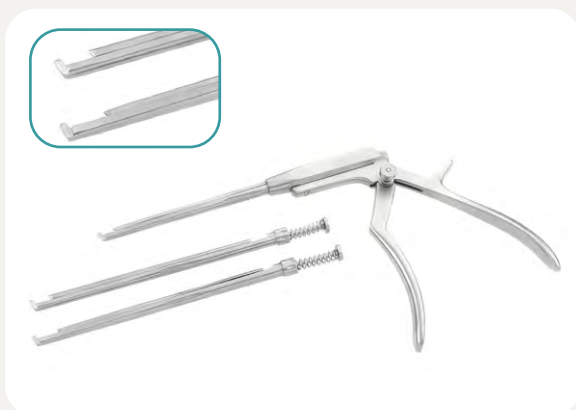
Successful Total Ear Canal Ablation (TECA) depends on the complete removal of the ear canal including those parts of skin closely attached to the auditory meatus. Curettage is rarely completely successful. Most surgeons elect to remove the rim of the meatus together with any skin using rongeurs. Standard rongeurs with beak type jaws struggle to cut the very hard sclerotic bone of the area unless they are so big as to obscure the site of interest.

Kerrison Type Punch Forceps are both small and powerful. The jaw design of ARA IND's TECA Kerrisons are designed for ear surgery. The tip of the insert is placed into the meatus and pushed against the rim. Closing the handles punches out a small segment of bone/skin which is retained within the instrument. The insert is designed to rotate 360 degrees within the handle while remaining fully functional allowing the surgeon to remove the whole meatus rim without changing position or grip. The debris gradually moves up the self cleaning canal and may be removed when visible. The tips do not require cleaning after each bite as is the case with standard Kerrisons.

MODULAR TECA KERRISON WITH THREE INSERTS 1.5, 2.5 & 3.5MM

- ARA-V-926 Spare 1.5mm Inserts Shaft 7"
- ARA-V-927 Spare 2.5mm Inserts Shaft 7"
- ARA-V-928 Spare 3.5mm Inserts Shaft 7"
- ARA-V-929 Modular Kerrison Handle

Smith Kerrison with 3 Inserts, Self Cleaning



SMITH KERRISON WITH 3 INSERTS, SELF CLEANING

- ARA-V-930 Spare 1.5mm Inserts Shaft 7"
- ARA-V-931 Spare 2.5mm Inserts Shaft 7"
- ARA-V-932 Spare 3.5mm Inserts Shaft 7"
- ARA-V-933 Smith Kerrison Handle

TECA Retractor



Achieving adequate exposure is essential to the proper performance of lateral bulla osteotomy and debridement. Maintaining a dissection as close to the aural cartilages as possible helps avoid iatrogenic damage to the surrounding structures. In most cases, especially in broad headed breeds such as Shar Peis and Staffordshire Bull Terriers, this will mean working down a narrow and surprisingly deep corridor.

We have developed a purpose made TECA Retractor based on our small gelpis. The 40mm long legs are at 80° to the handles to reach deep into the hole created. The cross-over tips are only 3mm across when closed enabling insertion with no edges protruding to snag tissues.

TECA RETRACTOR

- ARA-V-491 TECA Retractor 105mm Long 40mm Cross-over Legs

Mini-Friedman



Useful in bulla osteotomy.

MINI-FRIEDMAN

- ARA-V-449 Mini-Friedman Rongeur Straight 3mm Bite 155mm Long
- ARA-V-450 Mini-Friedman Rongeur Curved 3mm Bite 155mm Long

Ophthalmic Surgery Instruments



Eyelid - Speculae

Desmarres Eyelid Retractor



DESMARRES EYELID RETRACTOR

- ARA-V-937 Small 12mm Wide 140mm
- ARA-V-938 Medium 14mm Wide 140mm
- ARA-V-939 Large 16mm Wide 140mm

Lister Speculum



This Speculum is adjustable and has a locking facility. The shape is contoured for minimum interference with sutures and instruments.

LISTER SPECULUM

- ARA-V-940 Lister Speculum 40mm Gape 80mm Length

Barraquer Speculum



This simple Spring Loaded Speculum is ideal for most procedures which do not require a locking speculum. No protuberances to catch sutures.

BARRAQUER SPECULUM

- ARA-V-941 Barraquer Speculum Large 30mm Gape 10mm 'Blade'
- ARA-V-942 Barraquer Speculum Small 25mm Gape 5mm 'Blade'

Jaeger Eyelid Speculum



Useful during wedge resections of eyelids
Speculum stretches and retains the eyelid prior to cutting
The blade cuts down onto the metal of the speculum which protects the eye.

JAEGER EYELID SPECULUM

- ARA-V-943 Jaeger Eyelid Speculum (Stainless) 100mm
- ARA-V-944 Jaeger Eyelid Speculum Insulated 110mm

Corneal Forceps

St. Martin Dissecting Forceps

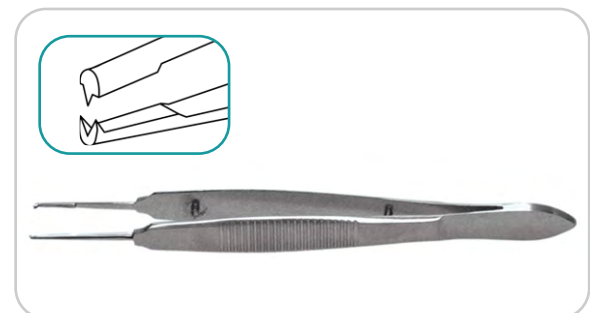


A very fine rat tooth for delicate procedures including corneal surgery.

ST. MARTIN DISSECTING FORCEPS

- ARA-V-239 St. Martin Dissecting Forceps Teeth 90mm 3.25"

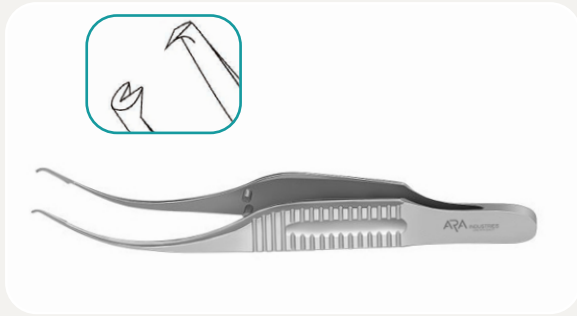
Castroviejo's Corneal Forceps



CASTROVIEJO'S CORNEAL FORCEPS

- ARA-V-946 Castroviejo's Corneal Forceps 105mm Long

Colibri (Barraquers) Forceps



This is the most well known of Corneal Toothed Forceps. There are many variations. This is the most typical.

COLIBRI (BARRAQUERS) FORCEPS

ARA-V-947 Colibri (Barraquers) Forceps 75mm Long

Iris Forceps

Graefe Iris Forceps



GRAEFE IRIS FORCEPS

ARA-V-948 Graefe Iris Forceps Serrated 105mm Long

ARA-V-949 Graefe Iris Forceps Straight 1/2 teeth 105mm Long

Fixation Forceps

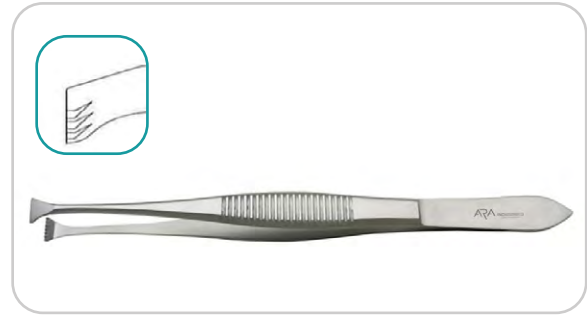
Barraquers Fixation Forceps



BARRAQUERS FIXATION FORCEPS

ARA-V-950 Barraquers Fixation Forceps 105mm Long

Graefe Fixation Forceps

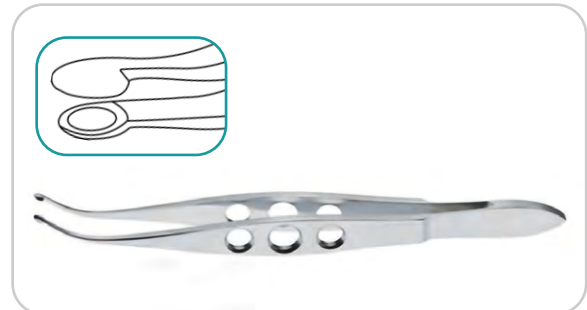


GRAEFE FIXATION FORCEPS

ARA-V-951 Graefe Fixation Forceps 3.5mm Jaws 105mm Long

Capsule Forceps

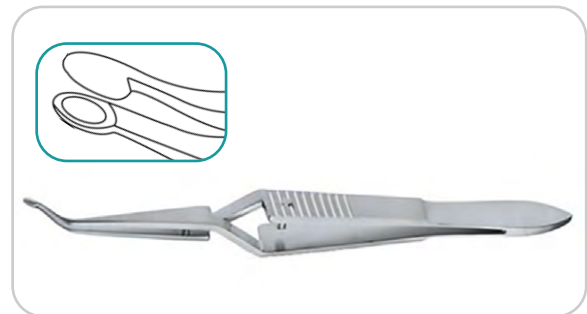
Arruga Capsule Forceps



ARRUGA CAPSULE FORCEPS

ARA-V-952 Arruga Capsule Forceps 100mm Long

Castroviejo's Cross Action Forceps



CASTROVIEJO'S CROSS ACTION FORCEPS

ARA-V-953 Castroviejo's Cross Action Capsule Forceps 105mm Long

Cilia Forceps

Bennet's Cilia Forceps



Favoured by some surgeons the circular tips give good focal grip of individual cilia.

BENNET'S CILIA FORCEPS

ARA-V-954 Bennets Cilia Forceps 80mm Long

Epilation Forceps



EPILATION FORCEPS

ARA-V-238 Epilation Forceps Square Jaws Plain 9cm 3.5"

Robert's Tying Forceps



Used in conjunction with the Needleholders to tie knots in fine materials.

ROBERT'S TYING FORCEPS

ARA-V-970 Robert's Tying Forceps 100mm Long

Scissors

Pooley's Conjunctival Scissors



POOLEY'S CONJUNCTIVAL SCISSORS

ARA-V-971 Pooley's Conjunctival Scissors 85mm Long

Castroviejo Corneal Scissors



Squeeze action, very delicate Scissor used to extend the stab corneal incision. Easily damaged.

CASTROVIEJO CORNEAL SCISSORS

ARA-V-972 Castroviejo Corneal Scissors Cvd 115mm Long

ARA-V-973 Castroviejo Corneal Scissors Str 115mm Long

Strabismus Scissors



Stronger than corneal and conjunctival scissors, strabismus scissors are suitable for cutting muscles and skin.

STRABISMUS SCISSORS

ARA-V-104 Strabismus Scissors Str 9cm

ARA-V-105 Strabismus Scissors Cvd 9cm

ARA-V-106 Strabismus Scissors Str 11cm

ARA-V-107 Strabismus Scissors Cvd 11cm

Iris Scissors



A useful general purpose Ophthalmic Scissor. Lightweight, standard action scissor for conjunctiva and, less satisfactorily, the cornea. Very rarely used on the iris in veterinary ophthalmology.

IRIS

- ARA-V-99 Iris Scissors Str 9cm
- ARA-V-100 Iris Scissors Cvd 9cm
- ARA-V-101 Iris Scissors Str 11cm
- ARA-V-102 Iris Scissors Cvd 11cm
- ARA-V-103 Iris Scissors Tungsten Carbide Str 11cm

Steven's Tenotomy Scissors



STEVEN'S TENOTOMY SCISSORS

- ARA-V-983 Steven's Tenotomy Scissors Straight 110mm Long
- ARA-V-984 Steven's Tenotomy Scissors Curved 110mm Long

Eye Enucleation Scissors



Standard Curved Surgical Scissors do not match the radius of the eye of dogs and cats. The Eye Enucleation Scissor closely matches required radius and slides easily behind the eyeball to cut the optic nerve and internal ophthalmic artery and vein, without the requirement to apply dangerous traction to the globe. Use in conjunction with Eye Enucleation Clamps.

EYE ENUCLEATION SCISSORS

- ARA-V-108 Eye Enucleation Scissors 140mm

Miscellaneous Eye Enucleation Forceps

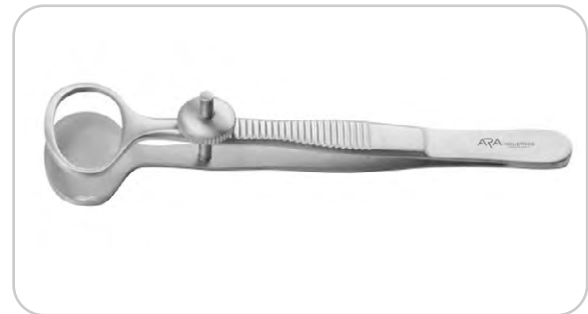


It is very important to clamp and crush the optic nerve and internal ophthalmic artery and vein. The curvature on standard artery forceps is not correct and if used the handles stand up in the way. The Enucleation Forceps are designed to slide around the rear of the globe and capture the blood vessels. The jaws are then levered against the edge of the orbit to elevate the globe for ease of tying. The handles curve out of the way. Use with eye enucleation scissors. The large size is for cattle.

EYE ENUCLEATION FORCEPS

- ARA-V-993 Eye Enucleation Forceps 135mm
- ARA-V-994 Eye Enucleation Forceps Large 155mm

Chalazion Forceps (Desmarres)



CHALAZION FORCEPS (DESMARRES)

- ARA-V-987 Chalazion Forceps (Desmarres) 3.5"

Snellen's Vectis

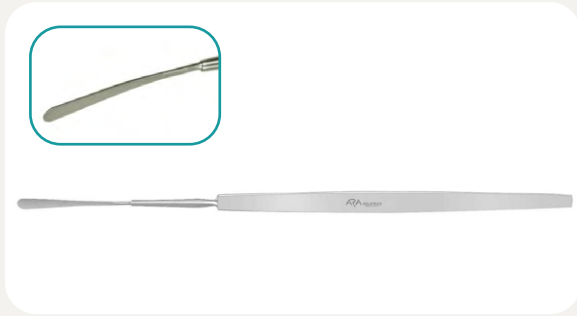


Use to apply pressure to globe to extrude lens rather than 'fishing' for it within the eye.

SNELLEN'S VECTIS

- ARA-V-988 Snellen's Vectis 135mm

Kimura Spatula



Use to apply pressure to globe to extrude lens rather than 'fishing' for it within the eye.

KIMURA SPATULA

ARA-V-989 Kimura Platinum Spatula 145mm

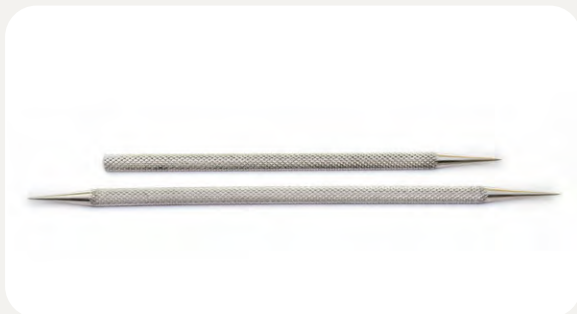
Distichiasis Clamp



DISTICHIASIS CLAMP

ARA-V-990 Distichiasis Clamp 170mm

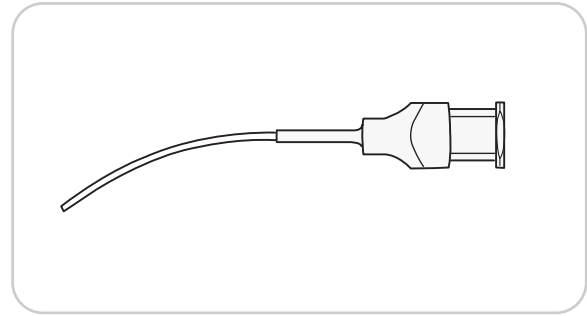
Punctum Dilator



PUNCTUM DILATOR

ARA-V-991 Nettleship Dilator (Single Ended) 100mm
ARA-V-992 Castrovejo Double Ended Punctum Dilator 130mm

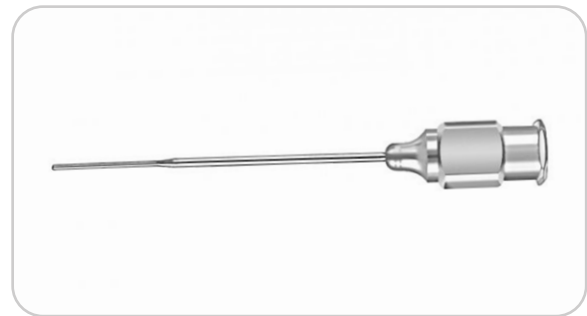
Harrison Butler Lachrymal Cannula



HARRISON BUTLER LACHRYMAL CANNULA

ARA-V-HBLC10 Harrison Butler Lachrymal Cannula Curved 40mm

Lachrymal Cannula Straight



LACHRYMAL CANNULA STRAIGHT

ARA-V-HBLC11 Lachrymal Cannula Straight Stainless Steel

Rabbit Nasolachrymal Duct Cannulae



RABBIT NASOLACHRYMAL DUCT CANNULAE

ARA-V-HBLC12 Nasolacrimal Duct Cannula 19 Gauge
ARA-V-HBLC13 Nasolacrimal Duct Cannula 21 Gauge

Periodontal Instruments

Explorer/ Measuring Probe



A detailed examination of the patient's mouth is the starting point of any dental care programme. This double-ended instrument is all you need.

The Shepherd's Crook Explorer is used to test tooth stability and the condition of the gum margins. Tartar and gum disease cause detachment of the gingiva exposing the tooth root.

The depth of these sulci are measured using the measuring probe. Details are recorded for subsequent treatment and comparisons.

EXPLORER/ MEASURING PROBE

ARA-V-995 Shepherd's Crook Explorer/ Measuring Probe 170mm

Subgingival Curette

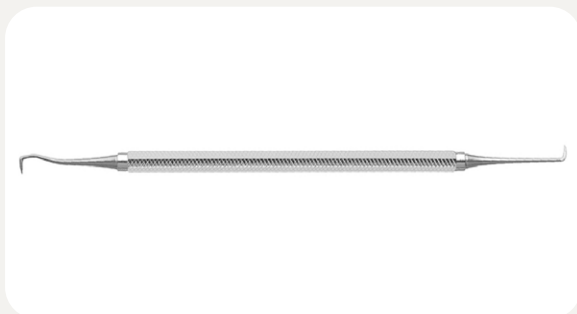


This Scaler is used to remove subgingival tartar and to plane tooth roots. Unless the root is clean the gum will not re-attach. The back surface of the Scaler is blunt to minimise damage to the sensitive gingiva. The Instrument is double-ended and has a balanced grip for extra comfort in use.

SUBGINGIVAL CURETTE

ARA-V-996 Subgingival Curette 170mm

Jaquette Supragingival Scaler

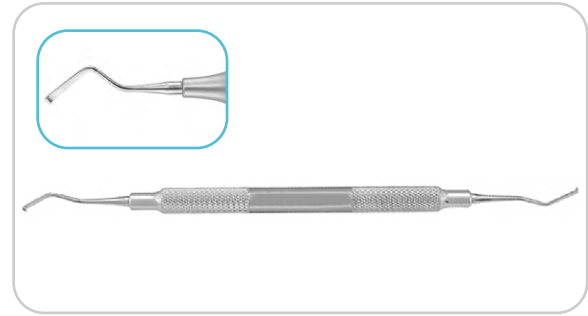


This Scaler is used to remove tartar from above the gum margin. The tip and back of the Instrument is sharp to scrape between teeth. Do not use below the gum margin. Double-ended with a balanced grip handle for ease of use and comfort.

JAQUETTE SUPRAGINGIVAL SCALER

ARA-V-997 Jaquette Supragingival Scaler 170mm

Hoe Scaler

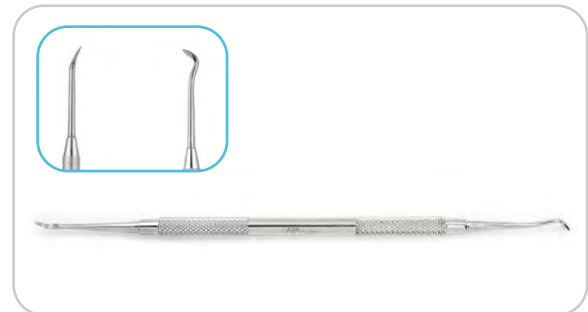


Useful for removal of large areas of tartar and plaque from flat tooth surfaces. Double-ended Scaler.

HOE SCALER

ARA-V-997HS Hoe Scaler 165mm

Double-ended Scraper

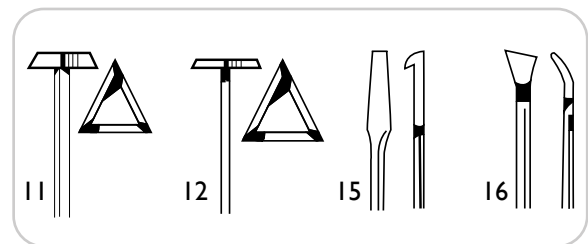


The tips of this Instrument are of familiar design mounted in a comfortable handle. One end is a fine hook to remove tartar from between teeth, the other is a shallow scoop to break tartar from flatter surfaces. A simple general purpose Instrument for tartar removal.

DOUBLE-ENDED SCRAPER

ARA-V-998 Double-Ended Scraper 175mm

Tartar Scrapers - Various



Traditional scrapers offering tip design as illustrated.

TARTAR SCRAPERS

ARA-V-TS11 Single Ended Scraper 11 150mm

ARA-V-TS12 Single Ended Scraper 12 150mm

ARA-V-TS15 Single Ended Scraper 15 160mm

ARA-V-TS16 Single Ended Scraper 16 160mm

Explorer / Explorer Probe



A double-ended instrument with an explorer on one end and a probe on the other. Excellent for dental examinations and charting.

EXPLORER / EXPLORER PROBE

ARA-V-999 Explorer/ Explorer Probe

Sickle Scaler



Designed for the removal of supragingival calculus. Super-thin, contra-angle design. Shank angulation provides accessibility to most surfaces.

SICKLE SCALER

ARA-V-1000 Sickle Scaler

Standard Gracey Curettes



Area-specific to allow for deep scaling, root planing and periodontal debridement.

- Offset blade provides a perfect working angulation for the tooth surface.
- Offset blade angulation means only the lower cutting edge of each blade is used.

STANDARD GRACEY CURETTES

ARA-V-1001 Gracey Curette Standard

Single Sided Cone Socket Mirror and Handle



CONE SOCKET MOUTH MIRROR features: Rhodium coating to resist scratching, front surface for sharp, distortion free images and smoothly finished for patient comfort. 22mm Diameter.

SINGLE SIDED CONE SOCKET MIRROR AND HANDLE

ARA-V-1002 Single Sided Cone Socket Mirror 22mm Diameter and Handle

Pigtail Explorer



PIGTAIL EXPLORER

ARA-V-1003 Pigtail Explorer

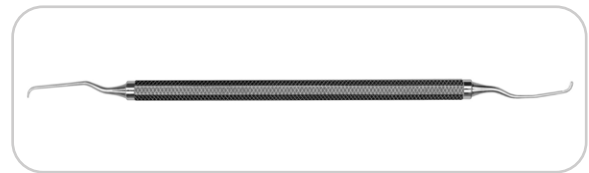
Double-ended Screening Probe



DOUBLE-ENDED SCREENING PROBE

ARA-V-1004 Double-ended Screening Probe

Mini Gracey Curettes



Terminal shank elongated by 3mm for access into deep periodontal pockets and root surfaces of 5mm or more. Reduced blade, half the length of the standard Gracey, for better adaptation in narrow pockets. Blade is 10% thinner than standard Gracey to ease gingival insertion and reduce tissue distention. Useful in cats.

MINI GRACEY CURETTES

ARA-V-1005 Gracey Curette Mini

Kirkland Double-ended Perio Knife



KIRKLAND DOUBLE-ENDED PERIO KNIFE

ARA-V-1006 Kirkland Perio Knife Double-ended

Dental Elevators

Elevator or Luxator?

Luxator - thin, sharp blade designed to be pushed into the periodontal ligament space down the long axis of the root. It cuts the periodontal ligament fibres and expands the alveolar plate as it is pushed apically. Should not be twisted or lifted (torqued) during use. Must be kept sharp and sterilised after every use.

Elevator – a stocky strong blade used to extract loose teeth using adjacent sound teeth. Not usually meant to go below the gumline. More useful in humans where crown/root ratio is closer to 50:50 and roots are stronger. In animals root ration is closer to 30:70 and roots taper toward the apex. They will fracture if the periodontal ligament fibres are not loosened or cut before forceps are applied or if the instrument is torqued.

Winged Elevators



Veterinary Elevators They have short winged blades with lateral edges which curve upwards further than traditional elevators, improving conformation to the root structure as well as instrument control. The narrow neck enhances visibility of the root and the shorter shaft improves handling and control, especially if the operator's hands are not large. The design incorporates the best parts of an elevator and a luxator. Aluminium knurled handles are very comfortable in use. Flattened surface prevents rolling off the table.

WINGED ELEVATORS

- ARA-V-1007 Winged Elevator 1.0mm (Purple) 145mm
- ARA-V-1008 Winged Elevator 2.0mm (Gold) 145mm
- ARA-V-1009 Winged Elevator 3.0mm (Blue) 145mm
- ARA-V-1010 Winged Elevator 4.0mm (Black) 145mm
- ARA-V-1010C Autoclavable Stainless Steel Case

Winged Elevators with Short Handles



Our Short Handled Winged Elevators are designed to fit in the hand, particularly small hands. A palmed instrument is more under control as well as being more comfortable. The stainless case is silicone lined to minimise damage to the elevators yet convenient for autoclaving.

WINGED ELEVATORS WITH SHORT HANDLES

- ARA-V-1011 Rainbow 1.0mm 125mm
- ARA-V-1012 Gold 2.0mm 125mm
- ARA-V-1013 Slate 3.0mm 125mm
- ARA-V-1014 Black 4.0mm 125mm
- ARA-V-1014C Autoclavable Stainless Steel Case

Comfort Handle Elevators



The Comfort Pattern Elevators takes a radical new look at elevator handles. A range of new designs was tested by both nurses and veterinary surgeons to find the most comfortable design. The most popular pattern fits into the palm of the hand allowing the fore finger to be positioned along the shaft for added control.

COMFORT HANDLE ELEVATORS

- ARA-V-1015 Comfort Elevator 1.0mm (White)
- ARA-V-1016 Comfort Elevator 2.0mm (Green)
- ARA-V-1017 Comfort Elevator 3.0mm (Blue)
- ARA-V-1018 Comfort Elevator 4.0mm (Black)
- ARA-V-1018A Comfort Elevator 5.0mm (Grey)
- ARA-V-1018B Comfort Elevator 6.0mm (Yellow)
- ARA-V-1018C Autoclavable Stainless Steel Case

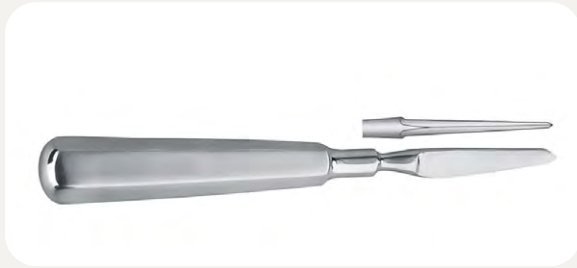
Comfort Handle Winged Elevators



COMFORT HANDLE WINGED ELEVATORS

- ARA-V-CHWE10 Comfort Winged Elevator 1.0mm (White)
- ARA-V-CHWE11 Comfort Winged Elevator 2.0mm (Green)
- ARA-V-CHWE12 Comfort Winged Elevator 3.0mm (Blue)
- ARA-V-CHWE13 Comfort Winged Elevator 4.0mm (Black)
- ARA-V-CHWE14 Comfort Winged Elevator 5.0mm (Grey)
- ARA-V-CHWE15 Comfort Winged Elevator 6.0mm (Yellow)
- ARA-V-CHWE16 Autoclavable Stainless Steel Case

Wedge Elevator



Designed to remove the Upper Premolar (the carnassial) without the need to split the tooth. The periodontal ligament fibres are cut in the usual way using suitable luxators. The tip of the wedge is drilled through between rostral and posterior root. The blade of the instrument is then worked under the tooth. As the width of the blade increases the tooth is forced from the alveolus. At a point of resistance, stop and hold for 10 seconds before proceeding. Using excessive force risks root fracture.

WEDGE ELEVATOR

ARA-V-1018W Wedge Elevator 170mm

Carnivore Elevator

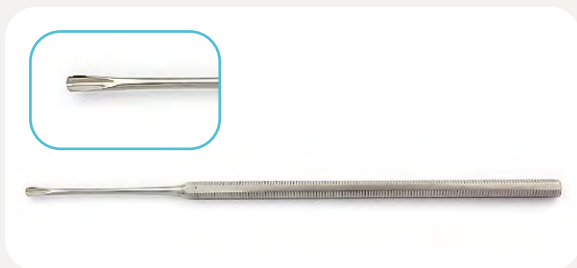


Removal of the teeth of dogs and cats requires rupture of the periodontal ligament. In relatively healthy roots rupture is very difficult, requiring great force. Rupture (and therefore extraction) is best achieved by forcing an elevator or luxator into the periodontal space. In the dog and cat the space is very narrow, quite different to the human situation. Our Carnivore Elevators are thin and very sharp.

CARNIVORE ELEVATOR

ARA-V-1019 Carnivore Elevator (2.5mm) 145mm
 ARA-V-1020 Carnivore Elevator (3.5mm) 150mm
 ARA-V-1021 Carnivore Elevator (4.0mm) 150mm

Small Feline Elevator

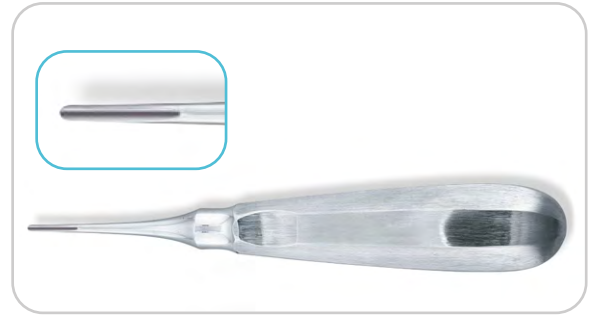


The 2mm angled tip on a fine handle allows access to lingual surfaces. Also useful in the extraction of rabbit incisors.

SMALL FELINE ELEVATOR

ARA-V-1022 Small Feline Elevator 165mm

Superfine Elevator Straight



2mm with a comfortable handle.

SUPERFINE ELEVATOR STRAIGHT

ARA-V-1023 Superfine Elevator 2mm Straight 150mm

Double Ended Elevator

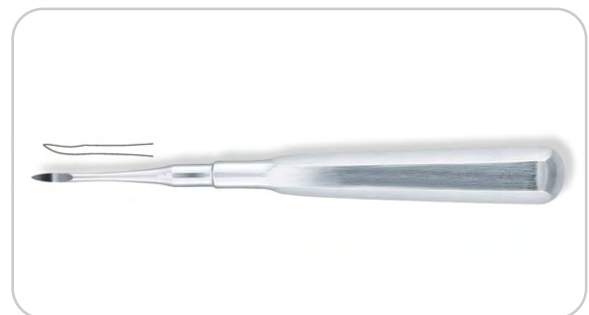


The curved tips are designed to follow the concave and convex curvatures of the roots, helping to prevent breaking the roots.

DOUBLE ENDED ELEVATOR

ARA-V-1024 Double Ended Elevator 2mm 185mm
 ARA-V-1025 Double Ended Elevator 4mm 190mm

Apical Elevator

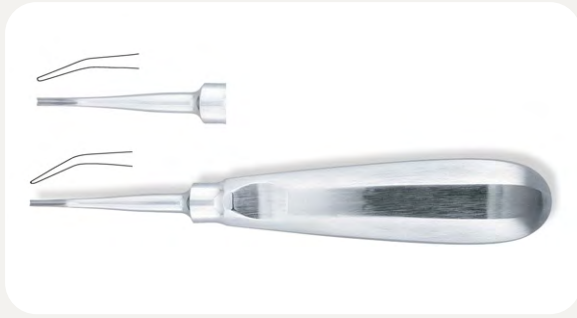


Used to remove tooth root fragments.

APICAL ELEVATOR

ARA-V-1026 Heidbrink Apical Elevator 145mm

Couplands Elevators



This is the standard human elevator. Generally considered too thick for veterinary use.

COUPLANDS ELEVATORS

- ARA-V-1027 Couplands Chisel (3.0mm) 150mm
- ARA-V-1028 Couplands Chisel (4.0mm) 150mm
- ARA-V-1029 Couplands Chisel (5.0mm) 150mm

Dental Luxators



Luxators, which are in essence very slim elevators, are favoured by many veterinary dentists for the rupture of the periodontal ligament. They are, in fact, designed for the human tooth but are very good for veterinary use. The most useful luxators for feline and canine teeth: 1mm straight, 2mm straight, 3mm curved, 3mm straight, 3mm contra angle plus a sharpening tool. Swedish made, these Luxators are very thin and very sharp.

LUXATORS

- ARA-V-1030 Luxator 1mm Straight 160mm
- ARA-V-1031 Luxator 2mm Straight 160mm
- ARA-V-1032 Luxator 3mm Straight 160mm
- ARA-V-1033 Luxator 3mm Curved 160mm
- ARA-V-1034 Luxator 5mm Straight 160mm
- ARA-V-1035 Luxator 5mm Curved 160mm
- ARA-V-1036 Luxator 3mm Contra Angle 160mm

Forte Luxators



Forte Luxators have been specifically designed to withstand the considerable force sometimes needed for controlled and safe tooth elevation. The extra strong cornered lip has been developed to aid grip. The best all round veterinary luxator. Available in 3 sizes.

FORTE LUXATORS

- ARA-V-1037 Forte Luxator 2.5mm Black/ Green 160mm
- ARA-V-1038 Forte Luxator 3.2mm Black/ Grey 160mm
- ARA-V-1039 Forte Luxator 4mm Black/ Brown 160mm

Molt Periosteal Elevator (4mm/6mm)

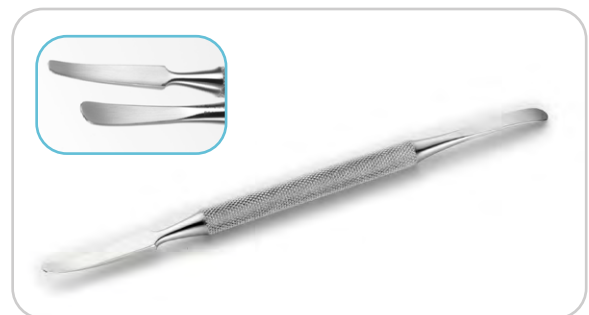


Molt is a Double Ended Periosteal Elevator. The two tips are round and dished. 4mm and 6mm diameters.

MOLT PERIOSTEAL ELEVATOR (4MM/6MM)

- ARA-V-481 Molt Periosteal Elevator 2/4 (4MM/6MM) 200mm

Periosteal Elevator



Used for raising full thickness mucogingival flaps before surgical extraction of teeth – bone removal and sectioning.

PERIOSTEAL ELEVATOR/ BONE LEVER

- ARA-V-475 Bone Lever/ Periosteal Elevator 4mm/ 7mm 195mm Long
- ARA-V-476 Freer Periosteal Elevator 5mm 180mm Long
- ARA-V-478 Curved 6mm Teflon Handle AO Type 180mm Long
- ARA-V-480 Very Fine 2mm/ 3mm Periosteal Elevator 180mm Long

Surgical Extraction Instrumentation
Round European Style Scalpel Handle

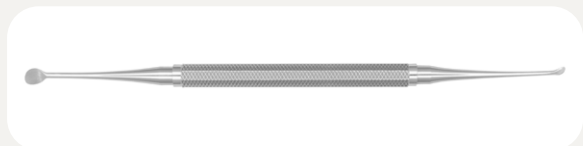


Round European Style Scalpel Handle. Takes Swann Morton No 3 fit Blades.

ROUND EUROPEAN STYLE SCALPEL HANDLE

ARA-V-1045 European Round Scalpel Handle

Double-ended Molt Surgical Curette



Used for curettage, cyst removal and debridement of tooth socket.

DOUBLE-ENDED MOLT SURGICAL CURETTE

ARA-V-1046 Molt Surgical Curette Double-ended 2/3mm

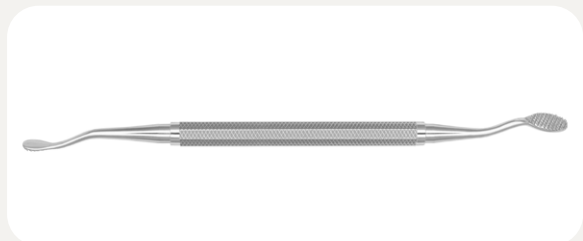
Adson 1/2 Teeth Forceps



ADSON 1/2 TEETH FORCEPS

ARA-V-1047 Adsons Forceps 1/2 Teeth TC 12.5cm

Miller-Colburn Cross Cut Bone File



Used for final smoothing of bone. Cross cut files cut on both direction strokes.

MILLER-COLBURN CROSS CUT BONE FILE

ARA-V-1048 Miller-Colburn Bone File Double-ended 180mm

Olsen-Hegar Needleholder TC



OLSEN-HEGAR NEEDLEHOLDER TC

ARA-V-1049 Olsen Hegar Needleholders T.C. 17cm

Castroviejo



CASTROVIEJO

ARA-V-147 Castroviejo Needleholders with Catch T.C. 150mm

Supercut Iris Scissors



SUPERCUT IRIS SCISSORS

ARA-V-1051 Iris Scissors Supercut 11.5cm

Dental Forceps

Tartar Forceps - Spring Loaded



Our Spring Loaded Tartar Forceps are designed to sit comfortably in the hand to enable the veterinary dentist to remove quickly bulky deposits from teeth.

TARTAR FORCEPS - SPRING LOADED

ARA-V-1052 Tartar Forceps Spring Loaded 180mm
ARA-V-1053 Tartar Forceps Cat Size Extraction Forceps/ Small 150mm

Tartar Forceps Cupix Point Style



These Tartar Forceps are designed specifically for the removal of bulky tartar prior to scaling and polishing. One jaw is cup shaped to locate onto the tooth tip and act as a fulcrum for the other jaw. The other jaw is a sharp hook to engage the tartar at the gum margin. The jaws are designed to remove tartar from both flat surfaces and between teeth.

TARTAR FORCEPS CUPIX POINT STYLE

ARA-V-1053S Tartar Forceps Cupix Point Style 180mm

Hawksbill Forceps



The multi-rooted teeth of the dog and cat should be loose before extraction by forceps. The loosening may be due to dental disease or careful elevation. As well as firmly gripping the tooth to be extracted appropriate dental forceps should support the tooth structure. None of the several hundred human forceps available suit the teeth of our patients. The Hawksbill Forceps are designed specifically for the extraction of multi-rooted teeth in the dog and cat.

HAWKSBILL FORCEPS

ARA-V-1054 Large Hawksbill Forceps 170mm
ARA-V-1055 Small Hawksbill Forceps 110mm

Small Incisor Forceps



The tips of these Forceps are ideal for the removal of single rooted, usually incisor teeth. Cross-hatched thumb area for extra control. Tips meet.

SMALL INCISOR FORCEPS

ARA-V-1055S Small Incisor Forceps 150mm

Narrow Tipped Extraction Tooth Forceps



As recommended by many dental lecturers, a narrow tipped extraction forcep which meets at the tip to facilitate holding the tooth. Forceps are only used once the tooth has been loosened correctly – trying to force extract without this will usually result in root breakage. Very useful for cats.

NARROW TIPPED EXTRACTION TOOTH FORCEPS

ARA-V-1056 Narrow Tipped Extraction Tooth Forceps 180mm

Root Fragment Set



Removal of fragmented roots can be a challenge particularly if the roots themselves are healthy. A combination of elevation and forcep work is usually required. The Set of 3 Forceps with differing jaw angles covers all situations. The handles are anatomical and ergonomic.

ROOT FRAGMENT SET

ARA-V-1057 Root Fragment Forceps Set of 3

Extraction Forceps



Available either individually or as a set of 3. Extraction Forceps are well suited to extraction of medium to large teeth. The jaws have fine serrations for increased grip. As with all extractions it is important that the tooth involved is suitably elevated prior to the use of forceps. The teeth of our patients are much more tightly bound to the jaw than are human teeth.

EXTRACTION FORCEPS

- ARA-V-1058 Extraction Forceps Straight
- ARA-V-1059 Extraction Forceps Curved
- ARA-V-1060 Extraction Forceps Angled

Miscellaneous

Dental Mirror



DENTAL MIRROR

ARA-V-1060S Dental Mirror 165mm

Lip Retractor



The Lip Retractor solves the problem of retracting the lip for clear access to the teeth. It has a new modified shape to prevent pinching the lip and the tips of the instrument are plastic coated to minimise trauma. It can be adjusted by lightly bending. 6.5" long and autoclavable.

LIP RETRACTOR

ARA-V-1061 Lip Retractor 160mm

Mouth Gags

Grays Mouth Gag



Simple action allows spring to gently open the jaws but does not allow the patient to close its mouth.

GRAYS MOUTH GAG

- ARA-V-1062 Hamilton Kirk Cat Gag Maximum Gape 40mm
- ARA-V-1063 Grays Mouth Gag Small Maximum Gape 65mm
- ARA-V-1064 Grays Mouth Gag Medium Maximum Gape 100mm
- ARA-V-1065 Grays Mouth Gag Large Maximum Gape 140mm

Smith Baxter Mouth Gag



Spring action maximises access but is less likely to overstretch the TMJ.

SMITH BAXTER MOUTH GAG

- ARA-V-1066 Smith Baxter Mouth Gag Extra Small Max Gape 5.5cm
- ARA-V-1067 Smith Baxter Mouth Gag Small Max Gape 6.5cm
- ARA-V-1068 Smith Baxter Mouth Gag Medium Max Gape 10cm

Rodent Dentistry

Table Top Rabbit Gag



This version of our well known gag now has a white PTFE platform which makes the gag warmer for the anaesthetised small patient and rather cheaper than the original. It is easy to clean and may be autoclaved.

TABLE TOP RABBIT GAG

ARA-V-1081G Table Top Rabbit Gag (LED Light is not included)

Rodent Mouth Gag



Without this gag examination and treatment of rabbit molars is virtually impossible.

RODENT MOUTH GAG

ARA-V-1071S Rodent Mouth Gag

Lightweight Rodent Mouth Gag



Less bulky and less powerful than the standard Rodent Gag.

LIGHTWEIGHT RODENT MOUTH GAG

- ARA-V-1071 Rodent Mouth Gag Lightweight
- ARA-V-1072 Rodent Mouth Gag Lightweight and Small

Rodent Cheek Dilators



The Small Dilator is also useful as a small gag for guinea pigs and chinchillas.

RODENT CHEEK DILATORS

- ARA-V-1073 Rodent Cheek Dilator Small Max Gape 40mm Blade Length 15mm, Blade Width 10mm
- ARA-V-1074 Rodent Cheek Dilator Large Max Gape 60mm Blade Length 22mm, Blade Width 15mm
- ARA-V-1075 Rodent Cheek Dilator Long Reach -Blade Length 36mm, Blade Width 11mm Use with long burs Max Gape 35mm"

Rodent Spatula



Use to deflect tongue and cheek to examine and treat molars.

RODENT SPATULA

- ARA-V-1075S Rodent Spatula 175mm - (7")

Rodent Molar Rasp



The Diamond Coated Rasps are designed to smooth off sharp edges without disturbing the delicate tooth roots. The Small Diamond Rasp is contoured in two directions to enable it to sit nicely on top of the molars. Unsuitable for debulking but good for tidying.

RODENT MOLAR RASP

- ARA-V-1078 Rodent Tooth Rasp Large 165mm
- ARA-V-1079 Rodent Tooth Rasp Small 180mm
- ARA-V-1080 Rodent Molar Rasp Fine - Diamond Small 180mm
- ARA-V-1081 Rodent Molar Rasp Fine - Diamond Large 165mm

Double Ended Diamond Rasp



One end is concave to sit on and around the molars. The other end is flat. Each blade is 25mm long

DOUBLE ENDED DIAMOND RASP

- ARA-V-1081 Double Ended Diamond Rasp 205mm

Rodent Molar Cutter

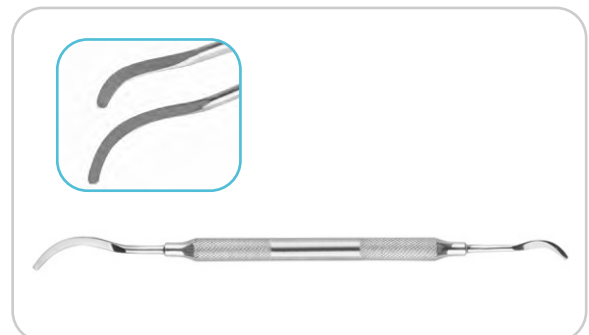


Use to debulk or for trimming spurs and hooks.

RODENT MOLAR CUTTER

- ARA-V-1076 Rodent Molar Cutter 180mm
- ARA-V-1077 Rodent Molar Cutter 140mm

Crossley Incisor Luxator

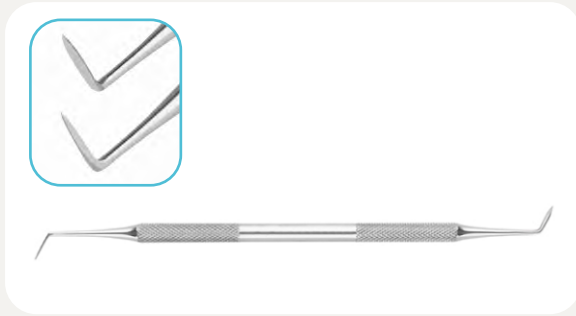


Crossley to extract the very large rabbit incisors. Removal avoids the requirement for repeated cutting of overgrown mal-occluded incisors. Shape of Luxator matches tooth shape. A smaller version is available for guinea pigs and rats.

CROSSLEY INCISOR LUXATOR

- ARA-V-1082 Crossley Incisor Luxator 195mm
- ARA-V-1083 Small Crossley for Guinea Pigs and Rats 190mm

Crossley Molar Luxator



Designed to facilitate extraction of molars with a minimum of damage to the alveolus and surrounding soft tissue. One cutting blade is for insertion down buccal or lingual surface. The other end of the instrument is set at right angles to penetrate between molars.

CROSSLEY MOLAR LUXATOR

ARA-V-1084 Crossley Molar Luxator 160mm

Molar Extraction Forceps

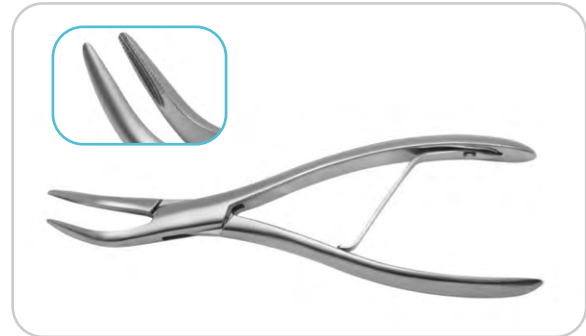


There is very little space inside a rabbit mouth. These forceps are very slim and angled to fit in the mouth without totally obscuring the teeth.

MOLAR EXTRACTION FORCEPS

ARA-V-1085 Rabbit/ Guinea Pig Molar Forceps 160mm

Root Tip Extraction Forceps



Root Tip Extraction Forceps 15cm

Spring operated 15cm root forceps is cuped like a bone rongeur to successfully extract all root and root fragments. The jaws are fine serrated beaks and bent for easy access are gripping of root fragments. Suitable for various small animal species.

ROOT TIP EXTRACTION FORCEPS

ARA-V-1085S Root Tip Extraction Forceps 6"

Clinical Instruments



Suction Tubes

Suction Tubes

We stock the four most useful styles of tubes.

Yankauer

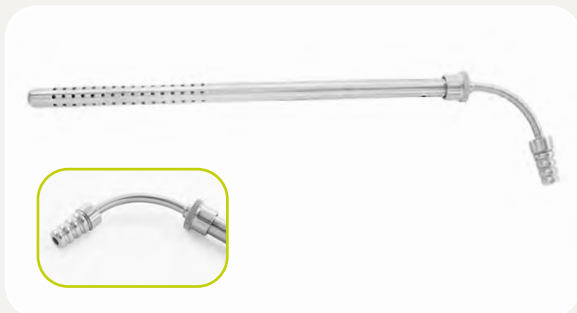


General purpose suction tube for removal of large volumes e.g. from

YANKAUER

ARA-V-1096 Yankauer Suction Tube

Poole



As Yankauer but more holes for greater volume uptake. With perforated outer sheath removed the Poole functions as a small bore straight suction tube.

POOLE

ARA-V-1096S Poole Suction Tube

Adson Suction Tip 4.0mm



Focal suction tube removes fluid from specific locations e.g. in spinal procedures. Very controllable at the handpiece by single finger over air bypass hole.

ADSON SUCTION TIP 4.0MM

ARA-V-AST10 Adson Suction Tube 4.0mm

Frazier Suction Tube 2.6mm



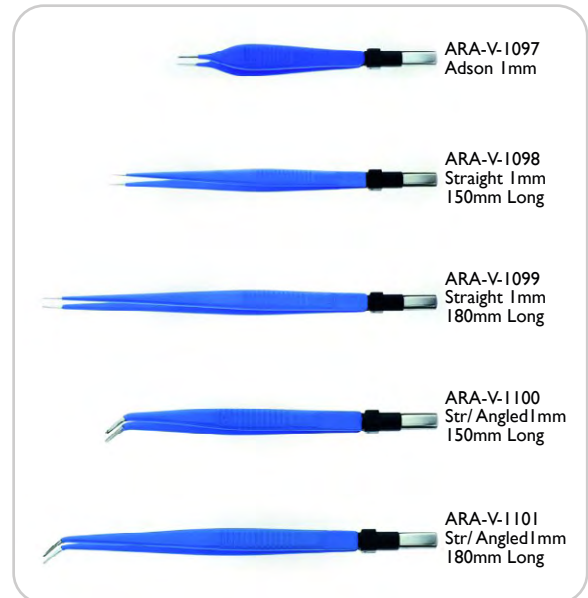
As the Adson but finer still.

FRAZIER SUCTION TIP 2.6MM

ARA-V-FST11 Frazier Suction Tube 2.6mm

BiPolar Dissecting Forceps

BiPolar Dissecting Forceps



ARA-V-1101S

These are the most common types of termination for the generator or machine end of the cable. We can supply cables to fit all machines. If you do not see the right connector here please check the brand and model number of your electrosurgery unit and e-mail us. We will find the right cable for your machine.

BIPOLAR DISSECTING FORCEPS

- ARA-V-1097 Bipolar Forceps Adson 1mm Tip
- ARA-V-1098 Bipolar Forceps Straight 1mm Tip 150mm Long
- ARA-V-1099 Bipolar Forceps Straight 1mm Tip 180mm Long
- ARA-V-1100 Bipolar Forceps Straight/ Angled 1mm Tip 150mm Long
- ARA-V-1101 Bipolar Forceps Straight/ Angled 1mm Tip 180mm Long
- ARA-V-1101S Bipolar Forceps Cable

Nail Clippers

Compound Action Nail Clippers



COMPOUND ACTION NAIL CLIPPERS

ARA-V-1102 Nail Clipper Compound Action

Nail Clippers Standard



NAIL CLIPPERS STANDARD

ARA-V-1103 Nail Clippers Large 14cm

ARA-V-1104 Nail Clippers Small 12cm

Resco Guillotine Type

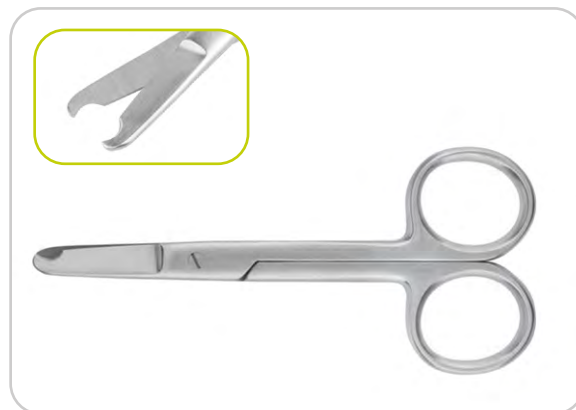


A lightweight clipper suitable for cats and small furries.

RESCO GUILLOTINE TYPE

ARA-V-1105 Resco Clippers Guillotine

Bird Ring Cutter



Aluminium and plastic rings frequently prevent venous return from the distal limb of small birds. Oedema and necrosis quickly follow unless the ring is removed. Removal of the ring without fracturing the leg is not easy without this special cutting tool.

BIRD RING CUTTER

ARA-V-1107 Bird Ring Cutter

Parrot Ring Cutters



This Device is used by jewellers to remove rings from people's fingers. The ring is cut by turning a hardened saw blade. Parrot rings are very tough and cannot be removed by nail cutters. This Cutter will also remove rabbit rings but bear in mind that the lower blade has to go between skin and ring.

PARROT RING CUTTERS

ARA-V-1108 Parrot Ring Cutter

ARA-V-1109 Spare Blade for Parrot Ring Cutter

Instrument Care



Instrument Care

The majority of surgical instruments are made of Stainless Steel. There are many different types of stainless steel alloys (60+), with varying amounts of Nickel & Chromium to increase resistance to corrosion. All types of stainless steel will corrode under certain conditions – ‘stainless’ is a little misleading. The proportions of the various constituents affect the characteristics of the final steel, along with the degree of hardening applied.

Surgical instruments must be hard enough to take and keep a cutting edge (e.g. scissors) or have a certain spring (e.g. artery forceps). The steel possessing these qualities contains less chromium and more carbon than orthopaedic implants, which are made of steel with the primary characteristic of resistance to corrosion, making it too soft for instruments. The penalty is that this type of higher carbon stainless steel (called Martensitic) is much more likely to corrode and stain.

The parts of the steel likely to rust are protected by a thin layer of chromium oxide which is produced by the chromium part of the steel. Actions which encourage the production of chromium oxide minimise corrosion. Actions which either physically or chemically destroy this layer of chromium oxide encourage rusting or staining. Maximising the chromium oxide layer is the basis of sound instrument care. This layer thickens with age and increases the resistance of your instruments to corrosion – in new instruments it is relatively thin. This is why you may have marking problems with new instruments but your old ones are fine – new instruments will be more intolerant of inappropriate detergents, inadequate lubrication and the corrosive environment of the autoclave etc.

Manual Cleaning Protocol Stainless Instruments

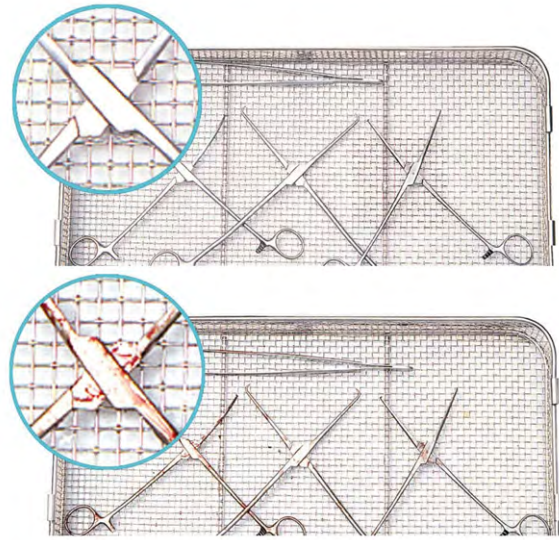
1. Open all joints and rinse gross loose debris from instruments in warm water (NOT hot – this will coagulate proteins & make the instruments much harder to clean) immediately after use. They will be much harder to clean if left to dry!
2. Completely submerge instruments in an enzyme based neutral pH detergent – soak for time specified in detergent instruction.
3. Gently scrub instruments with a soft bristled brush to remove all remaining visible soil, keeping the instrument under the surface of the detergent to reduce spray. Use a pipe-cleaner brush on instruments with a lumen. Pay special attention to joints & ratchets.
4. Ideally place the instruments in an ultrasonic cleaning bath for 10-15 minutes or as per cleaner instruction manual.
5. Remove from bath at completion of cycle, (or after step 4 if no ultrasonic available) then rinse instruments thoroughly with purified (distilled) water.
6. Dry with a clean non-shedding wipe – leaving them to air-dry will result in water spotting.
7. Lubricate with either spray surgical instrument oil.

To keep your instruments in peak condition, there are some basic rules which should be followed.

1. Handle your instruments with care – dropping, scratching etc. will all damage the surface of instruments and reduce their resistance to corrosion.
2. Store with care. If instruments are stored damp they will corrode. Delicate instruments should be packed with protective tips & silicone storage box inserts to stop them rattling around. Always make sure heavy instruments are not stored on top of lighter equipment.
3. Use them to do what they were designed for! Artery Forceps are not Needleholders or Wire Twisters. Bone Cutters are not designed to cut Wire, and Implant Cutters have a size rating for a reason! Inappropriate use will damage instruments and invalidate warranties.
4. Avoid mixing different metals when processing instruments – keep chrome plated, industrial finish & aluminium items separate from stainless, particularly in ultrasonic cleaners.

Cleaned lubricated instruments are ready for packaging. Always carry out a visual check at this stage – are the cutting edges of scissors free of damage, do the jaws of artery forceps & needleholders meet correctly with no signs of twisting for example. Check that all thumbscrews are tight, as in Gelpi & Stifle Distractor joints

Damaged items should be sent for repair or disposed of. It is good practice to sterilize items being sent for repair. Many repairers require a certificate of decontamination to be sent with instruments, and instruments should never be sent out in a soiled condition. There are many materials for packing instruments for autoclaving. Paper peel-packs are commonly used, along with nylon autoclave film. We do not recommend the use of laundered fabrics as instrument wraps, as residual detergents and bleaches can cause pH & chlorine related damage to your instruments. Disposable autoclavable instrument wrapping fabrics similar to disposable drapes are available.



Sterilisation

The autoclave is a very hostile environment for your instruments. The combination of heat & moisture promotes corrosion and staining, particularly if there are residual detergents etc. in wrapping materials. This is also true where tap water instead of distilled or demineralised water is used in the autoclave. Mineral deposits on instruments are unsightly as well as interfering with normal joint function etc. They are difficult to remove, so prevention is better than cure.

Rust in the steam pipes of your autoclave will transfer to your instruments, so autoclave maintenance is important. Regular servicing ensures the autoclave is working correctly. Vacuum autoclaves help remove residual steam from packs, and it is important that directions are followed and cycles are completed. Regularly check the door seal is undamaged, and replace if necessary. If applicable to your machine, drain & refill the water tank regularly with distilled water. You may well be surprised what comes out!

If your packs are coming out of the autoclave wet through then there is a cycle problem & you need to speak to your autoclave engineer for advice. Wet storage will result in corrosion and damage to your instruments.

So – store your instruments clean, dry, lubricated & protected and they will give you many years of service. A good, easy to follow instrument care protocol will extend instrument life, save money and result in happy surgeons!

Sterilisation

A hand wearing a blue nitrile glove is holding a pair of surgical forceps. The background is a blurred blue and white, suggesting a clinical or laboratory setting. In the foreground, several other surgical instruments are laid out on a white surface.

INSTRUCTIONS FOR CLEANING

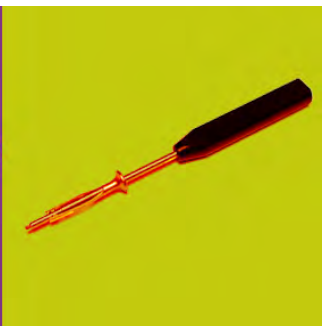
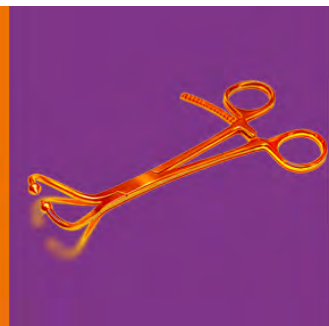
Please follow these rules for long term and better use of instruments

1. Always sterilize before use.
2. After use thoroughly clean and properly lubricate and sterilize the instruments.
3. Use Ultrasonic Cleaning for the delicate instruments.
4. Rinse thoroughly after cleaning. Demineralized water is the best option.
5. Don't forget to dry after rinsing.
6. Treat the instruments with joints, ratchets or threads with paraffin oil based lubricating agent.
7. Only close the first ratchet on instruments prior to sterilization.
8. Normally, autoclaving is performed with saturated water steam at 134°C.
9. When instruments are hot-air sterilized, the temperature should be between 180°C and 200°C.
10. Instruments that have been corroded should be discarded immediately.

Guarantee



- ARA instruments are manufactured from durable and long lasting material blended with time honored craftsmanship. We guarantee our instruments against corrosion and craftsmanship for one year.
- In case any of our instruments need repair, just return it to us and against nominal charges we will repair it. The guarantee will be revoked if the instrument is misused.



Index

Index

A

Artery Forceps	8
Arthrex Stifle Distractor	63
Arthroscopy Instrumentation	76
Airway Surgery	91
Aural Surgery	92
Arthroscopic Punches, Biopsy Forceps,	
Rongeurs and Grasping Forceps	75
Allis Tissue Forceps	9
Atraumatic Towel Clip	18
Adson Dissecting Forceps	19
Aln Skin Retractor	21
AO Type Periosteal Elevator	41
A And K Wire Holders	46
Adjustable Drill Guide	49
Arthroscopic Stifle Lever VSTL	57
Aneurism Needles	63
Additional useful instruments for	
TTA Rapid Adjustable Bone Saw	65
ARA Scissors	62
Adjustable Bone Saw	71
Acetabular Cup Positioner	72
Arthroscopic Hand Instruments	74
Angled Slender Meniscus Punches	75
Arthroscopy Hand Instrument Set	74
Angiotribs	87
Angled Allis Tissue Forceps	89
Atraumatic Small Bowel Clamp	89
Arruga Capsule Forceps	97
Apical Elevator	105
Adson ½ Teeth Forceps	107
Adson Suction Tube	114

B

Bone Plate Contouring	38
Bone Cutters	40
Bone Scribe	45
Bone Scoop	45
Babcock	10
Ball and Socket Towel Clamp	18
Backhaus Towel Clip	18
Balfour Retractors	21
Bone Holding Forceps	29
Bone Plate Bending Levers	38
Bungee Gelpi Self Retaining Retractors	23

Bone Pin Tubes	46
Bicortical Negative Threaded Pins	56
Beaver Type Scalpel Handle	58
Bone Tunnel Borer	61
Biopsy Spoon Forceps	76
Biopsy Grasping Forceps	76
Biopsy Spoon Forceps	76
Bone Punch Forceps	79
Burley Disc Scoop	81
Bone Tamper	82
Bone Curette	82
Barraquer Speculum	96
Barraquers Fixation Forceps	97
Bennet's Cilia Forceps	98
BiPolar Dissecting Forceps	114
Bird Ring Cutter	115

C

Countersinks	50
Cranial Cruciate Ligament Lateral Suture Instruments	61
Corneal Forceps	96
Capsule Forceps	97
Cilia Forceps	98
Cerclage Wire Twisters & Tighteners	37
Crile Artery Forceps	8
Cosmetic Surgeon Scissors	12
Castroviejo Suture Removal Scissors	14
Castroviejo Needle Holders/ Scissor	15
Castroviejo	15, 107
Cross Action Towel Clips	18
Connective Tissue Forceps	19
Collins Retractor	21
Cheatle Steriliser Forceps	24
Chisels Swedish Pattern	44
Chisels	44
C Drill Guide	48
Combination Drill, Tap and Insert Sleeve	49
Countersinks - Fixed Handle	50
Countersinks - Quick Release	50
Cruciate Head Screwdrivers for 1.5/ 2.0 & 2.4 Screws	51
Cruciate Screwdriver Inserts & Handle	
for 1.5/2.0 and 2.4 Screws	51
Cruciate Screwdriver Handle & Insert for 1.0mm Screws	51
Cortical Negative Threaded Pins (Ellis type)	56
Coughlan Soft Tissue Mangeurs	59
Compound Action Crimper	61
Compound Action Crimpers	61

Index

Crimping Forceps	61
CCL Loop Tensioning	62
Curved Graft Passer	63
Clip Applier Forceps	65
Corrective Osteotomy Sawguide System	67
Combination Bone Rasp Set	71
Cylindrical Rasp	72
Compound Action Spinal Rongeurs	79
Cone Laminectomy Retractor	80
Caspar Modular Self Retaining Retractor	81
Chase Spinal Hook	82
Curved Forceps - Long	86
Crocodile Forceps	93
Castroviejo's Corneal Forceps	96
Colibri (Barraquers) Forceps	97
Castroviejo's Cross Action Forceps	97
Castroviejo Corneal Scissors	98
Chalazion Forceps (Desmarres)	99
Comfort Handle Winged Elevators	104
Comfort Handle Elevators	104
Carnivore Elevator	105
Couplands Elevators	106
Crossley Incisor Luxator	111
Crossley Molar Luxator	112
Compound Action Nail Clippers	115

D

Dissecting Forceps	19
Drill Guides, Sleeves & Drill Stops	48
Drill Bits	54
Depth Gauges	53
Dental Elevators	104
Dental Luxators	106
Dental Forceps	108
Dieffenbach (Bulldog) Clamps	9
Dressing - Blunt/ Sharp	13
Dressing - Sharp/ Sharp	13
Dressing - Blunt/ Blunt Coloured Handles	13
Derf Needle Holder	17
DeBakey Needle Holders	17
DeBakey - Atraumatic	19
Dissecting Forceps 1/2 Teeth	19
Dingmans Forceps	30
Dental Forceps for Pin and Wire Extraction	35
Delta TPLO Plate Benders with Curved Slots	38
Drill Guide 0.7mm/1.0mm	49
Drill Bits - Round Shank	54

Drill Bits - Quick Release AO Fit	54
Drill Bits - Anti-Skid - Round Shank	55
Duck-Billed Daniel Rongeurs	78
Daniel Rongeur	78
Dandy Nerve Hook	82
Drain Clamps	89
Doyen Bowel Clamp	89
Desmarres Eyelid Retractor	96
Distichiasis Clamp	100
Double-ended Scraper	102
Double-ended Screening Probe	103
Double Ended Elevator	105
Double-ended Molt Surgical Curette	107
Dental Mirror	109
Double Ended Diamond Rasp	111

E

Eyelid - Speculae	96
Eye Enucleation Scissors	12, 99
Epilation Forceps	20, 98
Engels Plaster Saw	32
Extra Long Bending Levers	38
Excision Arthroplasty Rasp	67
Equine Cervix Forceps	86
Ear Loop	92
Eye Enucleation Forceps	99
Explorer/ Measuring Probe	102
Explorer / Explorer Probe	103
Extraction Forceps	109

F

Fragment Forceps	28
Femoral Head and Neck Excisional Arthroplasty	67
Fixation Forceps	97
Foster Gillies	15
Freer Periosteal Elevator	41, 82
Friedman	78
FitzExcavator Set	83
Foreign Body Retrieval Forceps	85
Foreign Body Oesophoscope	86
Fine Flexible Grasping Forceps	92
Forte Luxators	106
Frazier Suction Tube	114
Fat Pad Retractor	20, 58

Index

G

General Scissors	13
General Purpose Dressing Scissors	13
Gillies	15
Galibans Suture Forceps	17
Gosset Retractor	21
Gelpi Self Retaining Retractor	22
Gouges	43
Gordon Coronoid Osteotome	66, 74
Gutter Hohman	69
Gigli Saw	71
Grasper-Alligator Diameter 2.75mm with	
Hooked Tip Self Release	76
Grasping Forcep Alligator	76
Gelpi Odd Leg Retractor	80
Graefe Fixation Forceps	97
Graefe Iris Forceps	97
Grays Mouth Gag	110
Grasping Forceps	93

H

Holloware	25
Hohman Retractors	68
Hand Instruments Of Arthroscopy	74
Hand Instruments Of Spinal	82
Halstead Mosquito	8
Heath Stitch	14
Horsley	40
Howarth Dissector (Modified)	41
Hex Screwdriver Inserts & Handle for 1.5/ 2.0/ 2.4mm Screws	51
Hex Screwdriver Insert for 4.5/ 5.5/6.5mm Screws	52
Hex Screwdriver Inserts & Handle for 2.7/3.5/ 4.0mm Screws	52
Hex Screwdriver for 2.7/3.5/4.0 Screws	52
Hex Screwdriver for 1.5, 2.0 & 2.4 Screws	52
Hook Knife and Push Knife	58
Heavy Duty Needle Driver	61
Hatt Spoon	67
Hohman Retractors with Short Tips 18mm & 12mm Blades	68
Hohman Retractor with Long Broad Tip	69
Hohman Retractor Broad with Short Narrow Tip	69
Hohman Retractor 20mm Wide with Short Kinked Tip	70
Hip Hohman	70
Handles for Gigli Wire	71
Heygroves Femur Grasping Forceps	72
Hook Scissors	76

House Curette	83
Hauptman Retractors	87
Hysterectomy Clamps (Carmault)	87
Harrison Butler Lachrymal Cannula	100
Hoe Scaler	102
Hawksbill Forceps	108

I

Instrument Boxes	25
Implant Cutters	33
Instruments	62
Instrumentation	78
Iris Forceps	97
Instrument Care	116
Ikuta Bone Clamps	28
Implant Cutter Surgical Finish to 3mm Capacity	33
Implant Cutter Surgical Finish to 4mm Capacity	33
Implant Cutter Surgical Finish to 4mm Capacity	
Detachable Handles	33
Implant Cutter Surgical Finish to 4mm Capacity	33
Implant Cutter Surgical Finish to 6mm Capacity	33
Implant Cutter Surgical Finish to 1.5mm Capacity	34
Implant Cutter Surgical Finish to 1.6mm Capacity -	
Shear Action End Cutting	34
Implant Cutter Surgical Finish to 2.0mm & 1.6mm Capacity	34
Implant Cutter Surgical Finish to 2.2mm Capacity - Oblique Jaws	34
Implant Cutter Surgical Finish to 2.2mm Capacity	34
Implant Cutter Surgical Finish to 2.5mm Capacity	34
Implant Cutter Surgical Finish to 1.5mm Capacity	34
IM Pin Punch	42
Insert Sleeves	50
Iris Scissors	12, 99

J

Jacobs Chuck	36
Jansen Rongeur	39
Jaeger Eyelid Speculum	96
Jaquette Supragingival Scaler	102

K

Kocher Artery Forceps	8
Kilner Needle Holders	16
Killian Bitch Speculum	24, 88

Index

Kidney Dish & Lotion Bowl	25
Kern Bone Holding Forceps	30
K Wire/ A Wire Extraction Forceps	35
K Wire Bender	42
K/ A Wire/ Small Pin Punch	42
Kimura Spatula	100
Kirkland Double-ended Perio Knife	103

L

Left Handed Instruments	26
Left Handed Orthopaedic Instruments	31
Littauer Stitch	14
Lister Bandage	14
Langenbeck	20
Left Handed Forceps	26
Left Handed Scissors	26
Left Handed Needle Holders	26
Large Twin Point Reduction Forceps with Spinlock	29
Long Ratchet Schroeder Tenaculum	29
Lowman Bone Clamp Veterinary Pattern Small Dog/ Cat Size	30
Lesser Wire Passer/ Retrieval Forceps	37
Liston	40
Large Angled Cutters	40
Lempert Straight	78
Load Neutral Drill Guides	48
Locking Screw Taps	48
Lateral Suture Tension Device	62
Loop Tension Devices And Gelpis	62
Lewin Femur Grasping Forceps	72
Lempert Straight	78
Laminectomy Rongeurs	79
Lister Speculum	96
Lachrymal Cannula Straight	100
Luxators	106
Lip Retractor	109
Lightweight Rodent Mouth Gag	110

M

Miscellaneous General Instruments	24
Mallets	44
Measuring Devices	45
Meniscal Instruments	57
Miscellaneous Obstetrical Items	88
Miscellaneous Soft Tissue Products	89
Miscellaneous Ophthalmic Surgery Instruments	99

Mouth Gags	110
Miscellaneous Dental Instruments	109
Mayo Safety Pin	9
Miniature Foster Gillies	15
Mayo and Mayo Hegar TC	16
McPhails	16
Malleable (Walton) Retractors	21
McIndoe	40
Micro Friedman	39
Mini Friedman	39, 94
Molt Periosteal Elevator (4mm/6mm)	41, 106
MIPO Minimally Invasive Plate Osteosynthesis Elevator	42
Modular Osteotome with Ultra-thin Interchangeable Blades and Diamond Rasp	43, 66
Mini Quick Release Drill Bits - Dental Fit	54
Meniscus Probes	57
Meniscectomy Instruments	58
Miniature Stifle Distractor	60
Mini Hohman 6mm & 8mm Blade and Short Tip	68
Micro Hohman 4mm with Short Narrow Tip	68
Mini Hohman Broad Blade with Narrow Tip	69
Meyerding Retractor	72
Micro Spine Rongeur Set	78
McKee Distractor with Speedlock	81
Mare Biopsy Punch	86
Miscellaneous Obstetrical Items	88
Malleable Instruments	92
Modular TECA Kerrison with 3 Inserts, Self Cleaning	94
Mini Friedman	39
Mini Gracey Curettes	103
Miller-Colburn Cross Cut Bone File	107
Molar Extraction Forceps	112
Mini & Standard Gelpi Retractors	23
Manual Cleaning Protocol Stainless Instruments	117

N

Needle Holders	15
Negus Forceps	9
Narrow Tipped Extraction Tooth Forceps	108
Nail Clippers	115
Nail Clippers Standard	115

O

Osteotomes, Gouges & Chisels	43
Orthopaedic Distractors	45

Index

Orthopaedic Wire	46
Over The Top	63
OCD Curette	70
Ovariohysterectomy	87
Olsen Hegar Scissor/ Needle Holder	17
Offset K/A Wire Punch For Bent Pins	42
Offset Wire Bender	42
Odd Leg Gelpi Pair Gelpi Self Retaining Retractor	23
Osteotomes - Light Pattern	43
Osteotomes - Swedish Pattern	43
Orthopaedic Mallet	44
Orthopaedic Ruler	45
Olsen-Hegar Needleholder TC	107

P

Plaster Cutting	32
Pin & Wire Extraction	35
Periosteal Elevators	41
Patellar Luxation	66
Periodontal Instruments	102
Probes and Cutting Guides	24
Pointed Reduction Forceps with Spinlock	28
Pointed Reduction Forceps	28
Plate Holding Forceps	31
Plate Holding/ Drill Guide Forceps	31, 65
Plaster Shears Stille	32
Plaster Spreaders	32
Plaster Shears Bruns / Bohler	32
Parallel Action Pliers	35
Pin Grip	35
Plate Bending Pliers - Roller Type	38
Periosteal Elevator Very Fine	41, 82
Periosteal Elevator/ Bone Lever	41, 106
Premium Countersinks	50
Plate Holding Clip	53
Positive Threaded Pins - End Thread	55
Positive Threaded Pins - Cortical	55
Positive Threaded Pins	55
Positive Threaded Pins – Cancellous	56
Pearson Positive Threaded Pin	56
PushPull Suture Passer	62
Percussion Mallet	78
Pooley's Conjunctival Scissors	98
Punctum Dilator	100
Pigtail Explorer	103
Poole	114
Parrot Ring Cutters	115

Q

Quick Release Handle - Teflon Type - AO Fit	47
Quick Release T Bar Handle - AO Fit	47
Quick Release Handle Dental Fit	47
Quick release AO fit	55

R

Retractors	20
Rongeurs	39
Rongeurs & Punches	78
Retractors & Distractors	80
Rodent Dentistry	110
Rochester Pean	8
Rampleys Sponge Forceps	9
Ryder Needle Holders	17
Rib Retractor Finnochetto	21
Reduction Forceps with Hard Wire Guide	28
Reduction Forceps Serrated Jaws	29
Reconstruction Plate Pliers	38
Ruskin (Liston)	40
Ruskin (Liston) Rongeur	39
Round Shank	55
Rotation Gauge Divider Type	65
Reduction Forceps with Spinlock	65
Rectangular Sulcoplasty Instruments	67
Retractors designed specifically for use in and around the Hip Joint	69
Rosen Mobiliser	83
Rib Shears	86
Right Angled Clamps	86
Resano Bowel Clamp	89
Robert's Tying Forceps	98
Rabbit Nasolachrymal Duct Cannulae	100
Round European Style Scalpel Handle	107
Root Fragment Set	109
Rodent Mouth Gag	110
Rodent Molar Cutter	111
Rodent Molar Rasp	111
Rodent Spatula	111
Rodent Cheek Dilators	111
Root Tip Extraction Forceps	112
Resco Guillotine Type	115

Index

S

Sponge Forceps	9
Stitch Cutters	14
Self Retaining Retractor	22
Scalpel Handles	24
Screwdrivers	51
Spanners	57
Stifle Distractors	60
Spay Retractors	87
Spay Clamps	87
Soft Edge Spoon	89
Scissors	98
Suction Tubes	114
Sterilisation	117, 118
Surgical Extraction Instrumentation	107
Spencer Wells	8
Surgical Scissor - Metzenbaum	10
Surgical Scissor - Mayo	10
Surgical Scissors - Tungsten Carbide	11
Surgical Scissor - Supercut	11
Strabismus Scissors	12, 98
Surgical Scissor - Supercut TC	12
Serrated-Block End	19
Senn Retractor (Cats Paw)	20, 58
St. Martin Dissecting Forceps	20, 96
Swann Morton Fine Blades Handle	24
Scalpel Handles	24
Swann Morton Scalpel Handles	24
Small Curved Serrated Reduction Forceps	29
Small Serrated Bone Holding Forceps	29
Self Centering Bone Holding Forceps	30
Strong Cerclage Wire Passers	36
Small Pin Vice	36
Small Angled Cutters	40
Small Curved Rongeurs	39
Stille Luer Heavy Compound Action	39, 79
Stubby Punch	42
Stubby Osteotome	43
Small Distractor with Ratchet	45
Self-Centring Drill Guides	49
Slotted Flat End Screwdriver	52
Star Drive Screwdrivers	52
Screw Holding Forceps	53
Stifle Lever	57
Small Stifle Ronguers	59
Small & Mini Gelpi Retractors for Arthrotomy	59
Small Stifle Joint Distractor	60
Stifle Distractors	60
Spinlock Stifle Distractor	60
Straight Graft Passer	63
Swan-Neck Hohman	70
Slender Pointed Grasping Forceps	75
Smith-Kerrison Punch Forceps	79
Spike & Shield Odd Leg Retractor	80
Small Spine Distractor	81
Sheas Curette	83
Spay Forceps	87
Spay Hooks	87
Soft Edge Surgical Spoon - Faecal/Bladder	89
Soft Tissue Biopsy Forceps	91
Satinsky Clamp	91
Soft Palate Clamp	91
Smith Kerrison with 3 Inserts, Self Cleaning	94
Snellen's Vectis	99
Steven's Tenotomy Scissors	99
Subgingival Curette	102
Single Sided Cone Socket Mirror and Handle	103
Standard Gracey Curettes	103
Sickle Scaler	103
Superfine Elevator Straight	105
Small Feline Elevator	105
Supercut Iris Scissors	107
Small Incisor Forceps	108
Smith Baxter Mouth Gag	110
T	
Tissue Forceps	9
Towel Clips	18
Trephine	44
Taps & Quick Release Handles	47
Titanium Mesh Cutter	53
Tibial Tuberosity Advancement Rapid Instruments	64
Thoracic Surgery	85
Treves Rat Tooth Forceps	19
Travers Retractor	22
Twin Point Fragment Forceps	28
TECA Retractor	23, 94
Taps - Quick Release	47
T Bar Taps	47
Triple Drill Guides	49
Tissue Protection Sleeves	50
Trochar Pins	56
Toothed Halsteads	58
TTA Rapid Drill Sleeve Guide for 2.4mm Screws	65

Index

TTA Rapid Cage Holding Forceps - Angled	64
TTA Rapid Screwdriver Inserts	64
TTA Rapid Screwdriver Handle – AO Coupling	64
TTA Rapid Universal Spreader	64
TTA Rapid Lever Spreader	64
Trochlea Rasp	67
TTA Rapid Petite Twist Drill	64
Tracheostomy Tube	91
Tonsillectomy Clamp	91
Tartar Scrapers - Various	102
Tartar Forceps Cupix Point Style	108
Tartar Forceps - Spring Loaded	108
Table Top Rabbit Gag	110
TTA Cuttable Cage Cutters	64

U

Universal Drill Guides	48
Universal Sulcoplasty Rasp	66

V

Veterinary Bandage Scissors	14
Very Large Fragment Forceps	28
Volkman Bone Scoop	45
Very Small Stifle Joint Distractor	60
Vascular Probe Set	88

W

Wire Passers	36
Wire & Pin Storage	46
West Retractors	22
Weislander Retractor	22
Wire Contouring Pliers	35
Wire Tightener with Two Cranks for Double Loop	
Cerclage and Eyed Wire	37
Wire Tightener for Eyed Wires	37
Wire Twister/ Shear Cutter	37
Whiting Bone Plate Retractor	53
Winged Elevators with Short Handles	104
Winged Elevators	104
Wedge Elevator	105

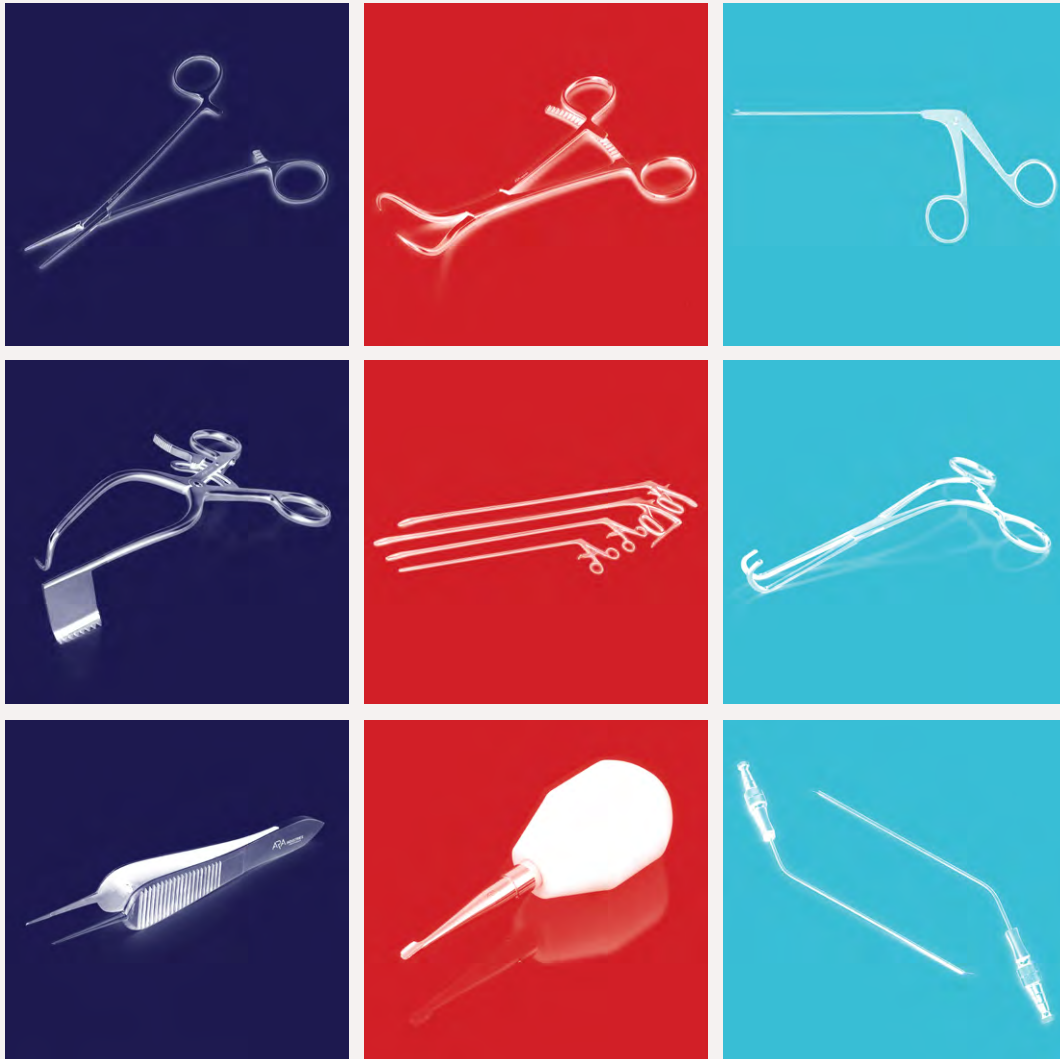
X

Xray Marker with Scale	46
X-Acto Saw	66

Y

Youngs Tongue Forceps	10
Younger Good Scaler Jaquette Scaler	83
Yankauer	114

Connecting emotionally with our client is a necessary part of most successful design!



**Veterinary Instruments
Catalogue**

Contact

W: www.araind.com

E: araindustries1@gmail.com

WA: +92 345 2383 272

A: Kashmir Road Bonken Near Union Council
Street 9A Sialkot, Punjab - 51310 Pakistan.