



### Set of Obstetric Instruments

Complete In Metal Case.  
 Containing Crutch (or Repeller),  
 Sharp Hook,  
 Sharp Hook With  
 Probe End,  
 Carrier For Rope,  
 Cutis Separator,  
 Handle For Separator,  
 Two Extension Pieces For Handle,  
 Two Large Curved Hooks,  
 Two Small Curved Hooks For Eye,  
 Two Nylon Ropes,  
 Embryotomy Knife  
 (guarded).  
 16-365




---

### Blanchard's Obstetric Instrument

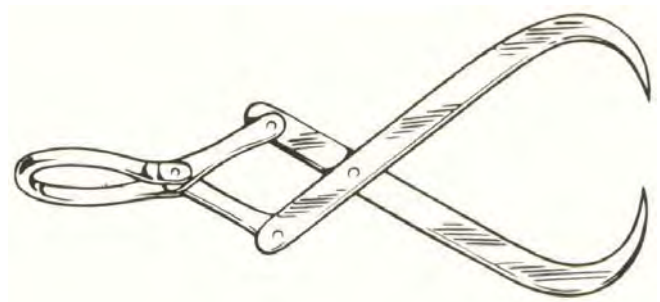
With long nylon stem, Blunt hook.  
 Length: 72cm (29in).  
 16-370




---

### Obstetric Hook

21cm (8.5in) with movable ring.  
 Sharp.  
 16-375




---

### Eye Hook

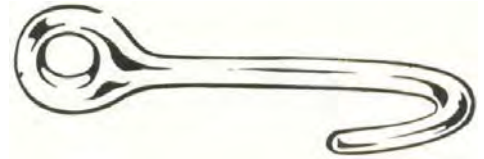
65mm (2.55in)  
 16-380





**Eye Hook**

16-385 Small 8cm (3in)  
16-390 Large 10cm (4in)



**Eye Hook Pointed**

16-395 Small 8cm (3in)  
16-400 Large 10cm (4in)



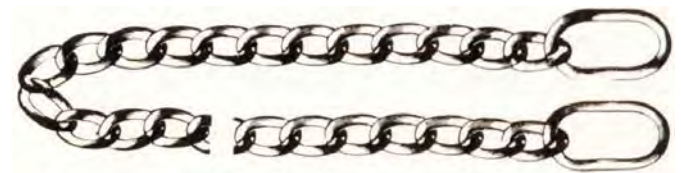
**Moore's Obstetrical Chain**

16-405 Length: 76cm (30in) Nickel Plated  
16-410 Length: 152cm (60in) Nickel Plated



**Moore's Obstetrical Chain**

16-415 Length: 80cm (31.5in) Stainless steel  
16-420 Length: 190cm (75in) Stainless steel



**Arnold's Suture Needle**

16-425 For vulva or rumenotomy 15cm (6in)



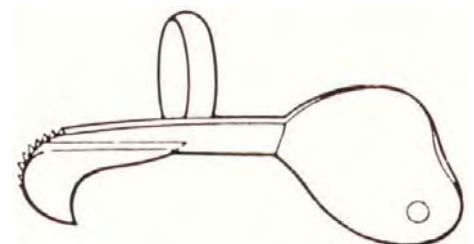
**Holmes' Needle**

For tape sutures, specially designed for rumenotomy, also for vulva sutures. 28cm (11in)  
16-430



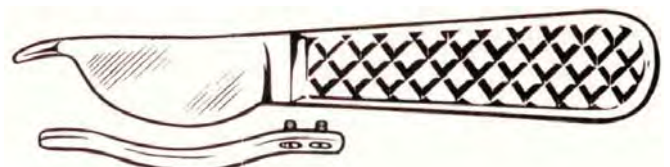
**Embryotomy Knife**

16-435 The Linde Pattern Ring Knife with Shaped Hand Piece



**Charles Roberts' Embryotomy Knife**

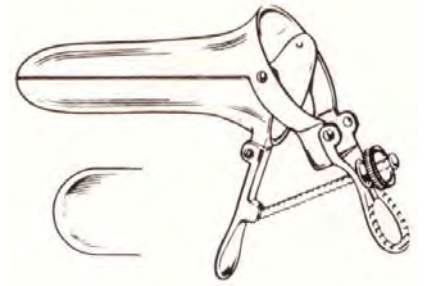
16-440





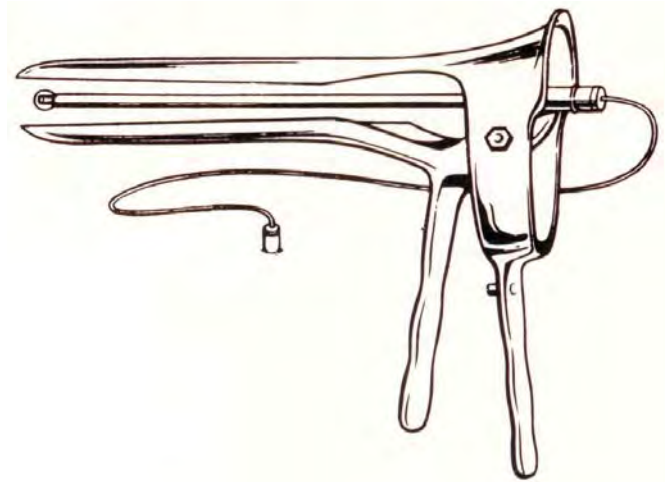
**Cusco's Vaginal Speculum**

Suitable for bitches, Length of blade: 7cm  
Width: 14mm  
16-445



**Cow Speculum Aluminium  
Russian Model**

16-450 Complete with light attachment  
16-455 As above but without light attachment  
16-460 As above but half size  
16-465 As above but without light attachment  
16-470 Light attachment only  
16-475 Battery Handle only  
The above speculae also suitable for mares

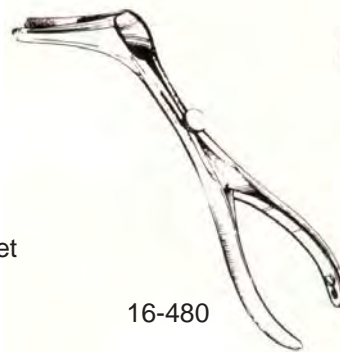


**Kilian's Speculum**

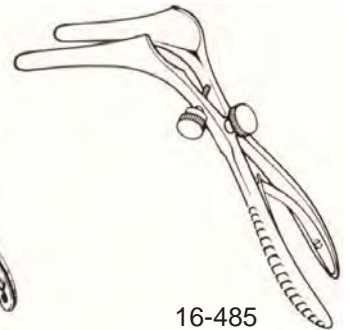
For use on small animals, Length of blades: 7cm  
16-480

**M Kilian's Speculum**

Fitted with a stop, so that the blades can be left open at a set position, Length of blades: 7cm  
16-485



16-480



16-485

**Neilson's Uterine Catheter**

Single channel size 4mm, Luer fitting, Length: 43cm  
16-490



**Speying Forceps**

127mm, Stainless steel.  
16-495



**Noel's Speying Hook**

127mm, Stainless steel.  
16-500





**Miss Freak’s Whelping Forceps**

254mm (10in) Flexible jaws and ratchet, Stainless Steel.  
16-505



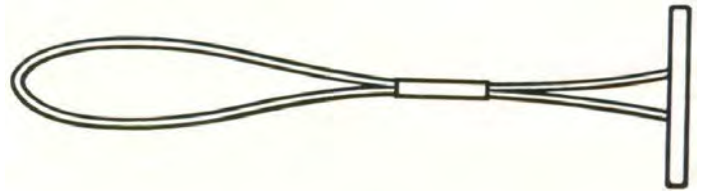
**Sir Frederick Hobday’s  
Double Vectis**

241mm (9.5in) nickel plated.  
Pass the vectis over the occiput or some other prominent part of the foetus and, by firm gentle pressure against the pelvis or against the finger, draw the foetus towards the vagina. The some instrument is suitable for both large and small dogs and is of great utility in a case of difficult labour.  
16-510



**Hughes Lambing Snare**

To assist in the lambing of ewes.  
The snare is particularly useful, where the maternal pelvis is narrow and deformed. Or where the lamb has an exceptionally large head, and there is insufficient room for hand, lamb’s head and forelegs in the passage. Also useful in cases where the head of the lamb, persistently drops back into the uterus.  
16-515



**The Dal Lambing Instrument**

Simplest, safest and surest aid to lambing problems. Save both the lamb and the ewe even in the most difficult cases. The instrument can be sterilizes in boiling water or in any reliable antiseptic.  
16-520



**Papillotome or Teat Slitter**

With adjustable width of spread.  
Length: 18cm (7in).  
16-525



**Teat Tube**

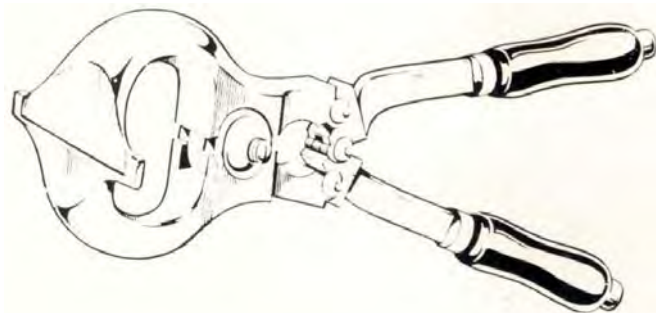
With bulbous end to take rubber tubing.  
16-530





### Burdizzo Bloodless Castrators

- 16-535 Baby size 20cm (8in) long
- 16-540 Small size 30cm (12in) long
- 16-545 Medium size 33cm (31in) long
- 16-550 Large size 40cm (16in) long
- 16-555 Indian size 48cm (19in) long



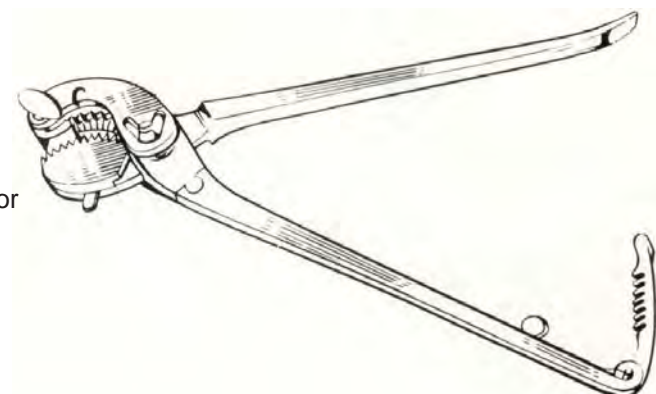
### Modified 'Serra' (Crowhurst)

Curved handles and without ratchet.  
Chrome plated. Recommended for colts. For Equine use.  
16-560



### 'Serra' Emasculator

Overall length: 36cm (14cm). Triple crush with thumb-screw for separating and cleaning. Recommended for colts.  
Chrome plated, For Equine use.  
16-565



### Arnold's Tumor Extractor Long Pattern

16-570



### McLean's Teat Knife

5mm For severing the sphincter muscle of the teat canal.  
16-575  
As above but 7mm  
16-580



### Hall's Teat Knife

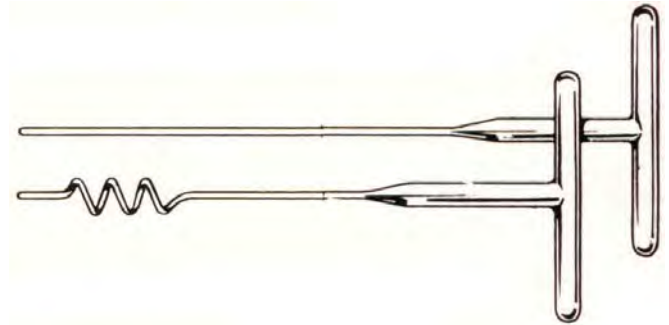
Three sided cutting edge. 4mm  
16-585  
As above but 5mm  
16-590





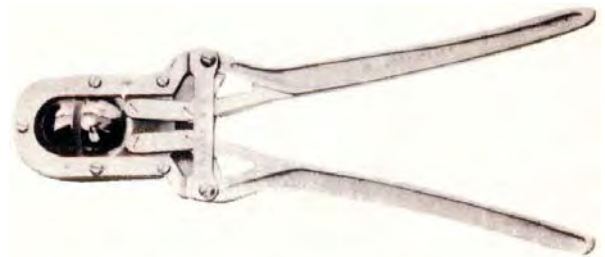
### Hudson's Teat Instruments

- 16-595 Small - 138mm corkscrew pattern
- 16-600 Medium - 140mm corkscrew pattern
- 16-605 Large - 150mm corkscrew pattern
- 16-610 Probe - 170mm



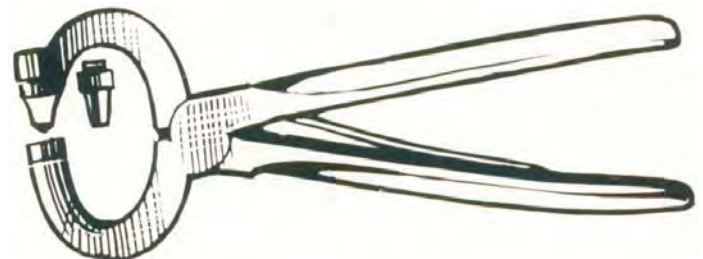
### Hodges Dehorner

- 16-615 All metal with curved blades. Length: 43cm (17in).
- 16-620 Spare blades for this device.



### Bull Nose Punch with Removable Nipple

- 16-625 Complete
- 16-630 Spare Nipples for this Device.



### Copper Bull Rings

Strong 3/8in thick with pointed end. Self-piercing with break-off screw. Superior quality.

- 16-635 5.7cm
- 16-640 6.3cm
- 16-645 6.9cm
- 16-650 7.5cm
- 16-655 10.2cm

### Stainless Steel Bull Rings

- 16-660 6.9cm
- 16-665 7.5cm





**Stainless Steel Pig**

Not illustrated.  
16-670

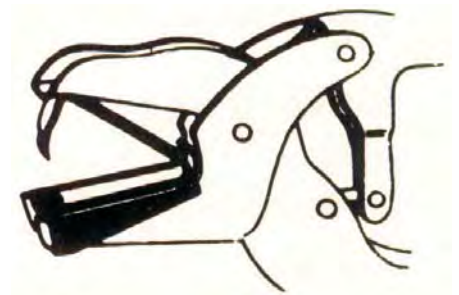
**Pig Tooth Forceps**

Standard quality. Chrome plated for cutting milk teeth.  
16-675



**Sealing Pliers**

One-handed sealing pliers for applying permanent ear tags in one simple action.  
16-680



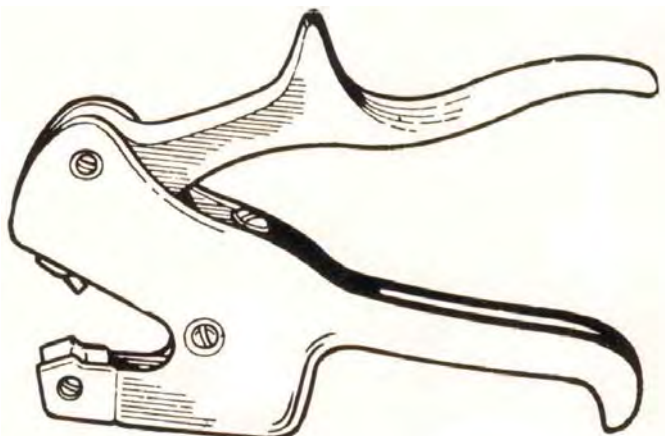
**Foot Rot Shears**

With strong spring and safety clip, Specially designed blades of tempered steel, one being serrated.  
16-685  
16-690 Spare blades for shears.



**'Compression' Punch and Closer**

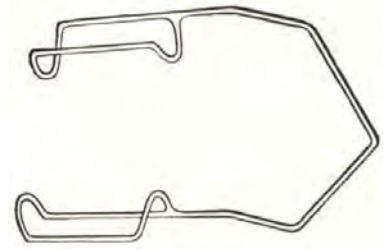
Single-handed action. Punches, closes, rivets and releases in one movement.  
16-695 Punch and closer for sheep  
16-700 Punch and closer for cattle





### Eye Speculum

Spring Barraquer's, Stainless steel.  
16-705



### Nettleship's Canaliculus Dilator

Straight tapered end, 10cm (4in) overall.  
16-710



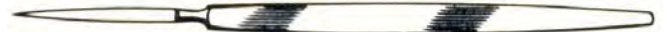
### Lang's Canaliculus Dilator

Straight tapered end, 10cm (4in) overall.  
16-715



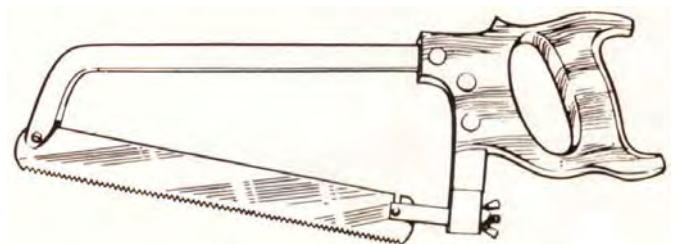
### Graefe's Knife

Length: 12.7cm (5in)  
16-720



### Dehorning Saw

16-725 With interchangeable blades, 40.5cm (16in)  
16-730 Spare blades





**bull holder**

Superior all Stainless steel with sliding catch. Length: 19.68cm  
16-735



**Strengthen Grip**

Short model, Flat handles  
Length: 21.95cm  
16-740



**Irish Pattern**

Length: 45cm  
16-745



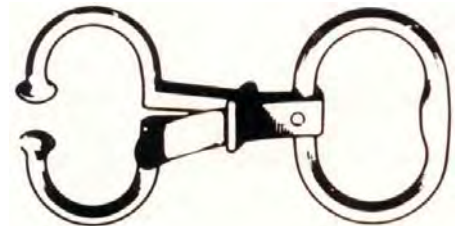
**Galvanised Steel**

With spring, Superior Quality  
Length: 11.43cm  
16-750



**Bull Holders**

With slide and spring, folding handle.  
Length: 18cm  
16-755



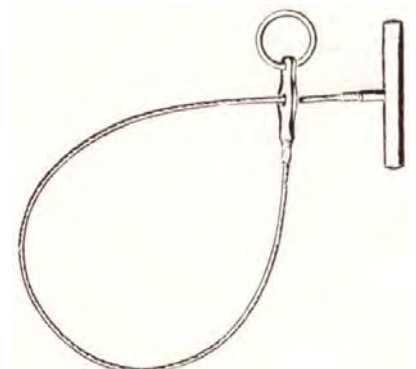
**Pig Holder**

Wire Nose Type with Metal Pole.  
16-760



**Pig Holder**

Wire Nose Type.  
16-765





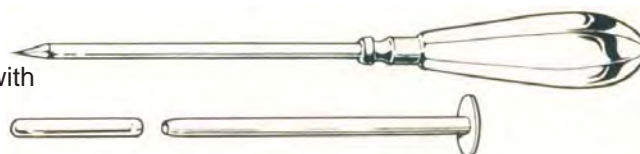
**Stainless Steel Cattle Trocar**

16-770 Complete with 10 Disposable Cannula and Cap.  
16-775 Spare disposable Cannula in packs of 10



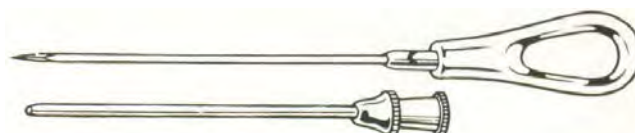
**Cattle Trocar and Cannula**

16-780 Stainless steel trocar, Chrome plated cannula fitted with protecting cap, Length of cannula 11.4cm.  
16-785 Spare cannula for above.



**Nocard's Trocar**

Used widely for Bleeding horses.  
16-790



**Complete Sheep Trocar**

16-795

**Cannula Only**

16-800



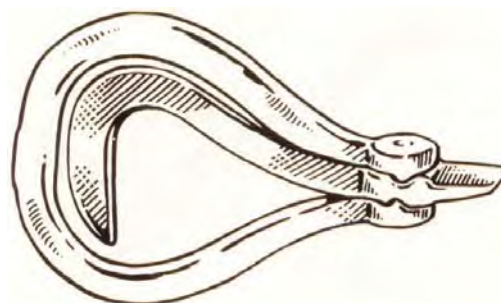
**Hoof Testing Forceps**

Length: 30.5cm (12in)  
16-805



**Hoof Pick with Screwdriver**

Folding Type, Length Closed: 7.5cm  
Length Open: 11.43cm  
16-810





**German Hoof Knives**

16-815 Single edge, Right

16-820 Single Edge, Left

16-825 Double Edge, Right

16-830 Searcher, Single Edge, Right

16-835 Searcher, Single Edge, Left

16-840 Searcher, Ebony (Black Handle). Right

16-845 Searcher, Ebony (Black Handle). Left



**Swedish Hoof Knives**

16-850 Single Edge, Right

16-855 Single Edge, Left

16-860 Searcher, Right

16-865 Searcher, Left

16-870 Double edge, Right



**Quittor Knife**

All metal Quittor Knife, German, Length:18cm  
16-875



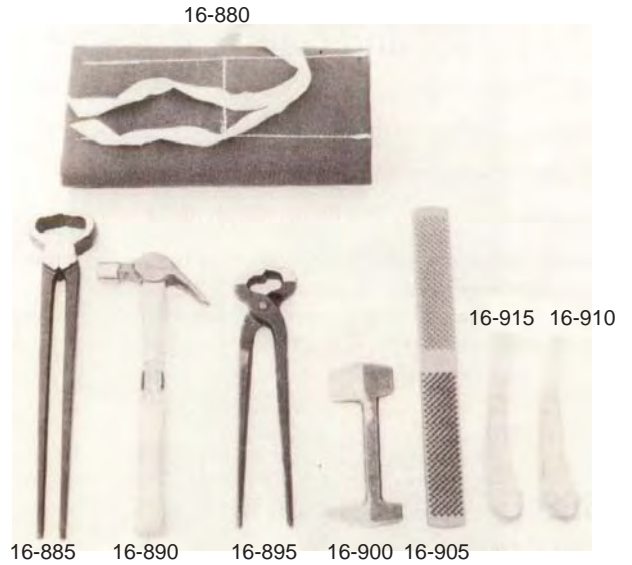


**Farriers Set**

Farriers |Set Comprised of:

- 16-880 One Canvas Holdall Containing.
- 16-885 One Farriers Pincer
- 16-890 One Farriers Hammer
- 16-895 One Farriers Hoof Cutter
- 16-900 One Farriers Buffer
- 16-905 One Farriers RASP
- 16-910 One Farriers Double Edge Hoof Knife
- 16-915 One Farriers Searcher Knife

*Items also available separately*



**Hoof Cutter**

German Pattern, Single Action.  
16-920



**Hoof Cutter**

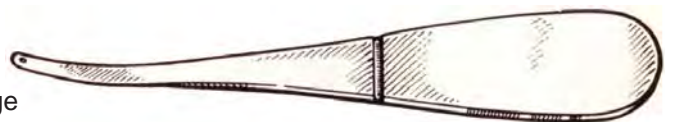
The Popular Compound Action Hoof Cutter,  
Removable Blades for Sharpening or Replacement.  
16-925

Replacement Blades for Above.  
16-930



**Tenaculum  
(Neurectomy Needle)**

The Size, Shape and Contours of the Tenaculum Make it  
Suitable for the Isolation of Nerve Trunks and for the Passage  
of Ligatures Around Vascular Elements.  
16-935



**Dieffenbach's Artery Forceps**

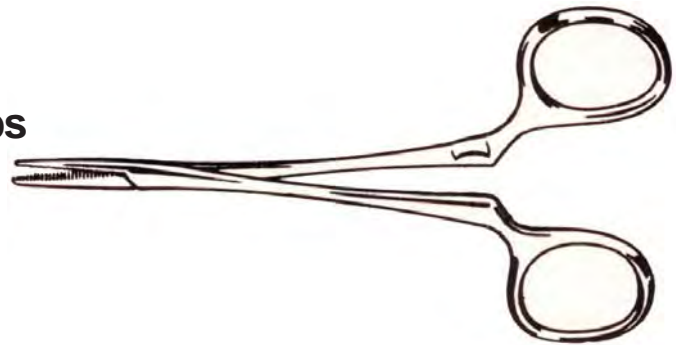
Stainless Steel 40mm (1.6in) Approximately.  
16-940





### Halstead's Mosquito Artery Forceps

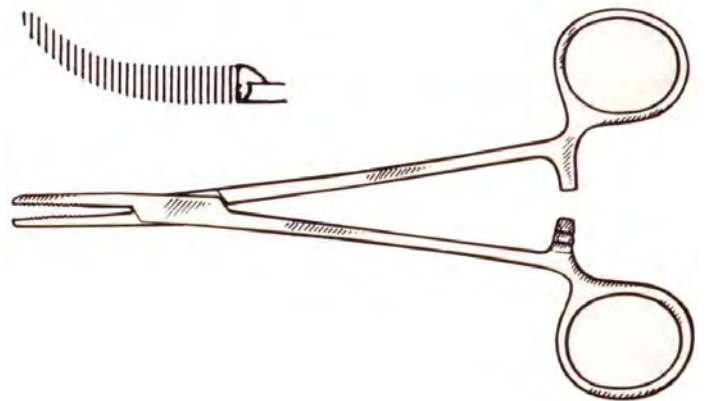
Box Joint, Stainless Steel.  
16-945 127mm (5in) Straight.  
16-950 127mm (5in) Curved.



### Spencer Well's Artery Forceps

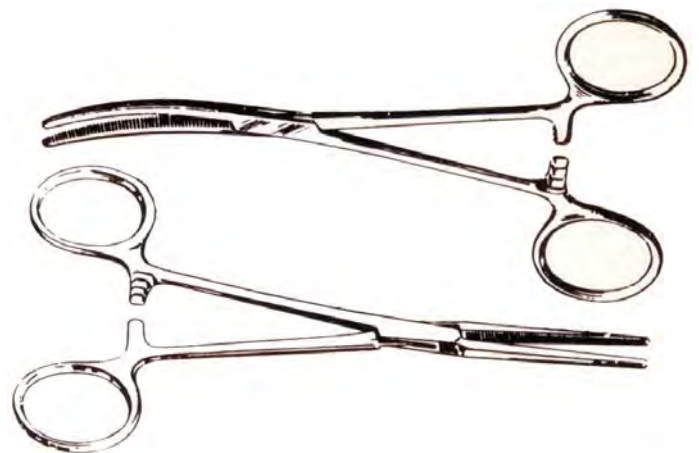
Box Joint, Straight.  
16-955 127mm (5in)  
16-960 152mm (6in)  
16-965 178mm (7in)

Box Joint, Curved.  
16-970 127mm (5in)  
16-975 152mm (6in)  
16-980 178mm (7in)



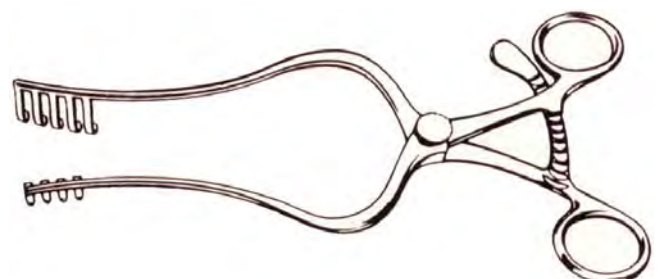
### Rochester Pean Forceps

16-985 165mm (6.5in) Straight  
16-990 165mm (6.5in) Curved  
Blade Lengths: 51mm (2in).



### Travers Retractor

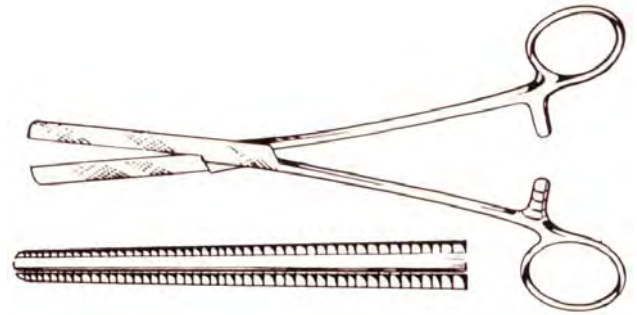
16-995 For Small Animal Surgery, Self-Retaining,  
Stainless Steel, Gap When Fully Open  
Approximately 95mm.





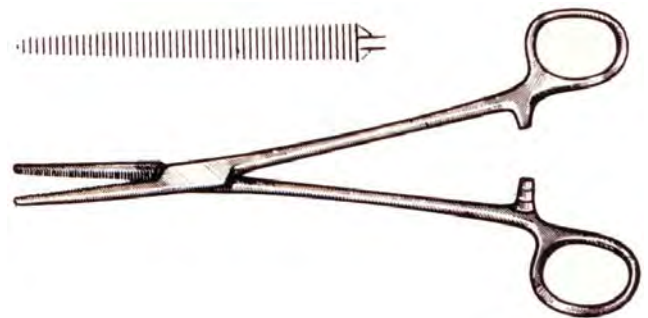
**Fergusson's Angiotribe Forceps**

17-100 Straight, Length: 165mm.  
17-105 As Above, But Curved on Flat, 165mm.



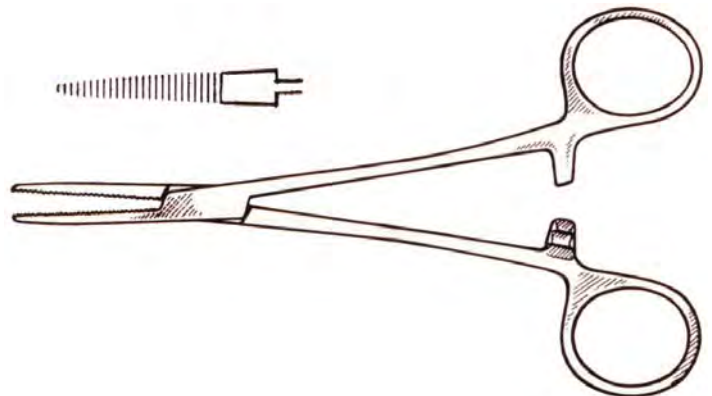
**Criles Artery Forceps**

17-110 Straight, Length: 140mm.  
17-115 Curved, Length: 140mm.



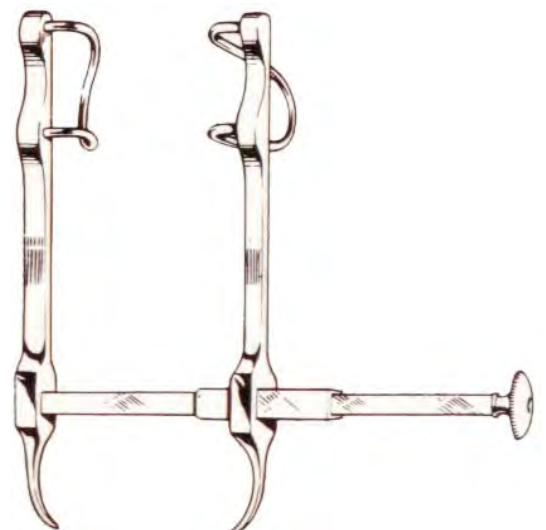
**Cairns Artery Forceps**

17-120 Straight, Box Joint, Stainless Steel 152mm.



**Gossett's Retractor**

Self-Retaining, Stainless Steel.  
17-125 Large, Fully Open 95mm.  
17-130 Small, Fully Open 76mm.





**Paragon No.4 Knife Handle**

17-135 To Hold Blades Nos. 20, 21, 22, 23 and 24.



**Paragon No.3 Knife Handle**

17-140 To Hold Blades Nos. 10, 11, 12, 23 and 15.



**Arnolds Tenotomy Knife**

Special Pattern Designed by a Veterinary Surgeon for Tendon Splitting.  
17-145



**Plaster Shears**

Finest West German Stainless Steel, Eccentric Featuring Off-set Screw for Greater Power 190mm Long with Serrated Edge.  
17-150



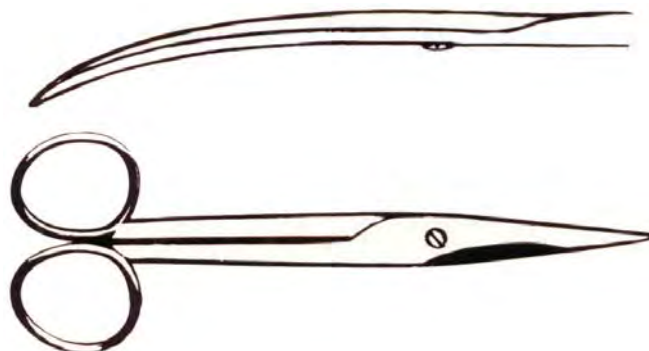
**Bandage Shears**

For Removing Adhesive Bandages, Stainless Steel 178mm.  
17-155



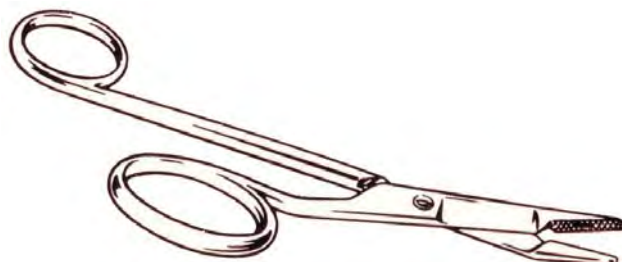
**Mayo's Scissors**

- 17-160 Curved on Flat Stainless Steel 140mm
- 17-165 Curved on Flat Stainless Steel 165mm
- 17-170 Curved on Flat Stainless Steel 190mm
- 17-175 Straight, Stainless Steel 140mm
- 17-180 Straight, Stainless Steel 165mm
- 17-185 Straight, Stainless Steel 190mm



**Gillie's Combined Scissors and Needle Holder**

Designed to aid repidity of Operation and to Save Time, It Combines the Functions of Two instruments in One, Comfortable Grip, Stainless Steel.  
17-190 Right Hand  
17-195 Left Hand





**Scissors**

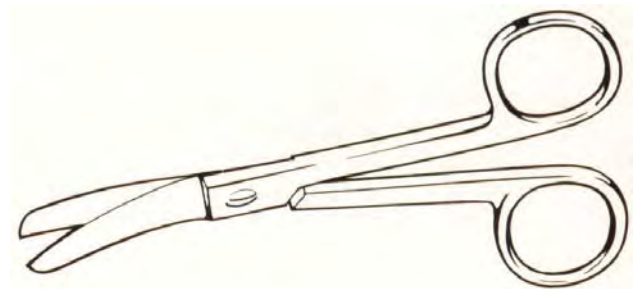
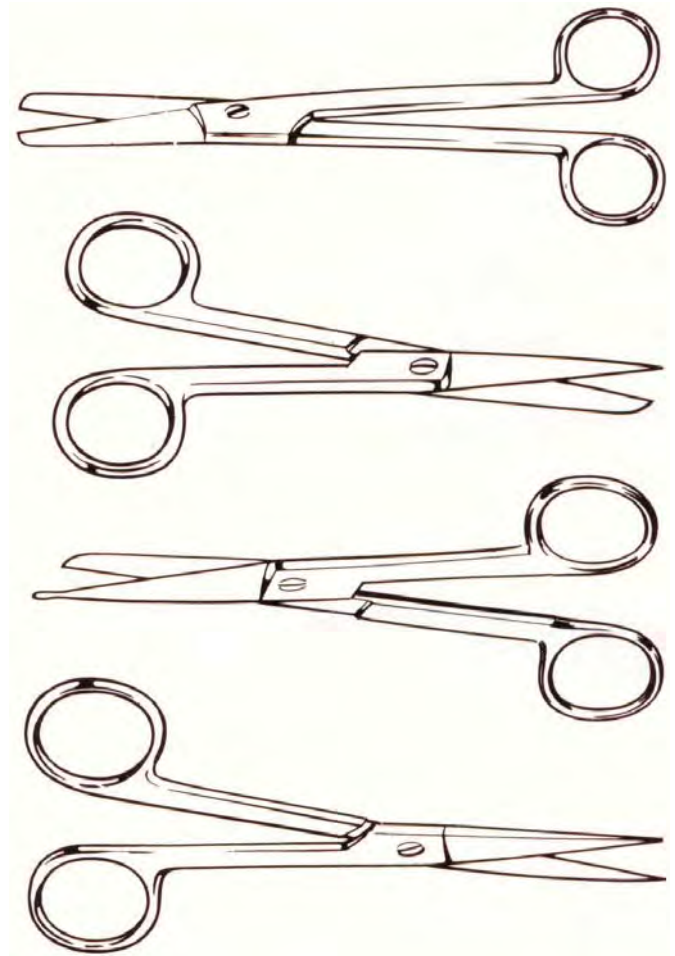
- 17-200 Round Point, Straight, Stainless Steel, 127mm
- 17-205 Round Point, Straight, Stainless Steel, 152mm
- 17-210 Round Point, Straight, Stainless Steel, 178mm

- 17-215 Vigo Point, Straight, Stainless Steel, 127mm
- 17-220 Vigo Point, Straight, Stainless Steel, 152mm
- 17-225 Vigo Point, Straight, Stainless Steel, 178mm

- 17-230 With One Probe Point, 127mm

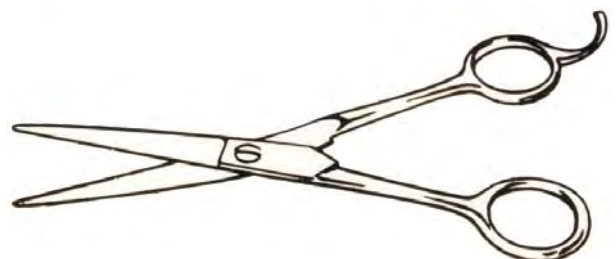
- 17-235 Sharp Point, Straight, Stainless Steel, 127mm
- 17-240 Sharp Point, Straight, Stainless Steel, 152mm
- 17-245 Sharp Point, Straight, Stainless Steel, 178mm

- 17-250 Round Point, Curved on Flat, Stainless Steel, 127mm
- 17-255 Round Point, Curved on Flat, Stainless Steel, 152mm
- 17-260 Round Point, Curved on Flat, Stainless Steel, 178mm
- 17-265 As Above With One Serrated Blade, 152mm



**Cockade Barber Scissors**

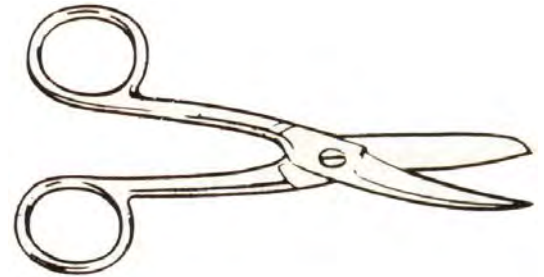
- 17-270 178mm





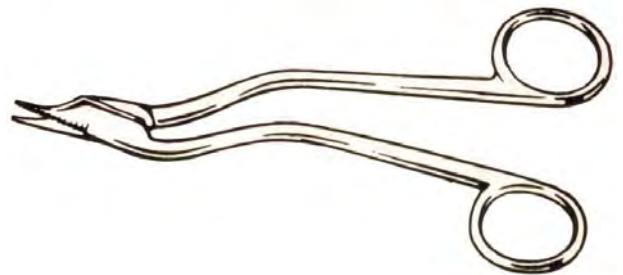
**Payne's Suture Scissors**

For Suture Removing, Length : 100mm  
17-275



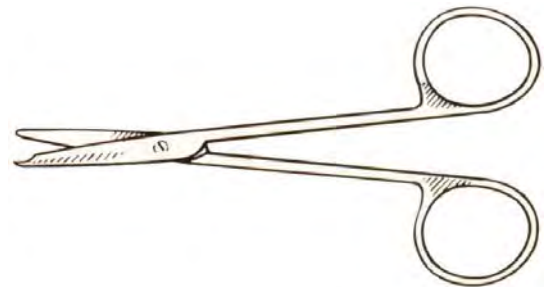
**Heath's Stitch Scissors**

Stainless Steel 152mm  
17-280



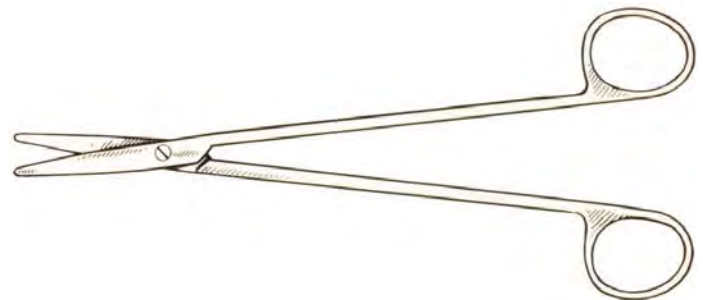
**Littauer Stitch Scissors**

17-285 152mm



**Metzenbaum Scissors**

17-290 Straight, 178mm  
17-295 Curved, 178mm



**Dog Nail Scissors**

17-300 Nickel Plated





**Silvamatt**

A Range of Economy Surgical Instruments that are Offered at Extremely Competitive Prices. They are Made with a Non-Reflective Satin Matt Finish.

306-006-130 Blunt Point, Straight Scissors 130mm.



306-008-150 Blunt Point, Straight Scissors 150mm.



306-026-130 Vigo Point, Straight Scissors 130mm.



306-028-150 Vigo Point, Straight Scissors 150mm.



306-046-130 Sharp Point, Straight Scissors 130mm



306-048-150 Sharp Point, Straight Scissors 150mm



306-105-130 Blunt Point, Curved Scissors 130mm



306-106-145 Blunt Point, Curved Scissors 145mm





306-150-145 Straight Scissors 140mm



306-152-170 Mayo Straight Scissors 165mm



306-155-145 Mayo Curved Scissors 140mm



306-157-170 Mayo Curved Scissors 165mm



310-229-125 Treves Dissecting Forceps, 127mm



310-230-150 Treves Dissecting Forceps, 152mm



310-240-125 Bendover Dissecting Forceps, 127mm



310-241-150 Bendover Dissecting Forceps, 152mm



310-286-170 Lanes Dissecting Forceps, 178mm



327-345-140 Hartmann Aural Forceps (Matthew'w) 140mm

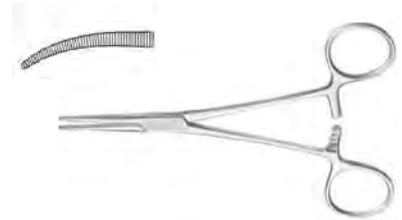




308-028-140 Criles Box Joint Artery Forceps Straight 140mm



308-029-140 Criles Box Joint Artery Forceps Curved 140mm



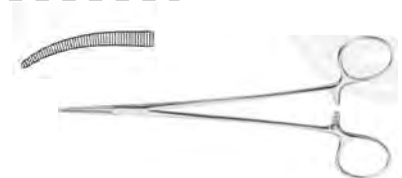
308-199-130 Dunhills Box Joint Artery Forceps, 130mm



308-027-127 Halsteads Box Joint Artery Forceps, Straight 127mm



308-029-127 Halsteads Box Joint Artery Forceps, Curved 127mm



308-173-125 S/Wells Box Joint Artery Forceps, Straight 12.5mm



308-175-155 S/Wells Box Joint Artery Forceps, Straight 155mm





308-176-180 S/Wells Box Joint Artery Forceps, Straight 178mm



308-178-125 S/Wells Box Joint Artery Forceps, Curved 12.5mm



308-180-155 S/Wells Box Joint Artery Forceps, Curved 155mm



308-181-180 S/Wells Box Joint Artery Forceps, Curved 180mm



312-112-160 Gillies Needle Holder and Scissors 160mm



308-511-090 Cross Action Towel Clips



308-514-090 Jones Towel Clips





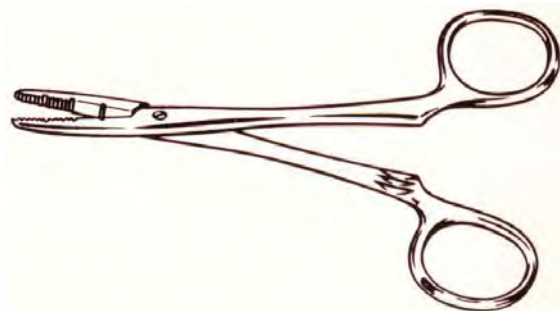
### Bendover Forceps

Dissecting, Stainless Steel.  
17-465 127mm  
17-470 152mm



### Bruce Clarke's Needle Holders

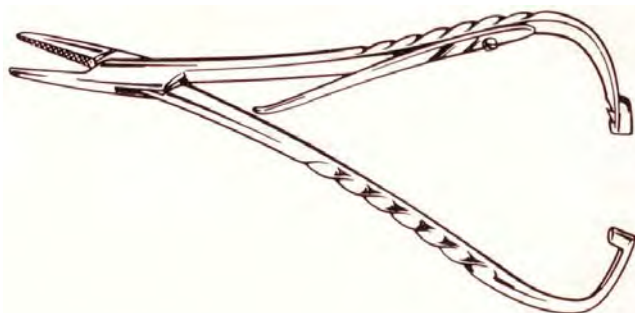
Combined Needle Holder and Artery Forceps,  
Screw Joint, Stainless Steel 127mm.  
17-475



### MacPhail's Needle Holder

With follow through' release, Screw Joint,  
Stainless Steel, Copper Facing to jaws, 152mm.  
17-480

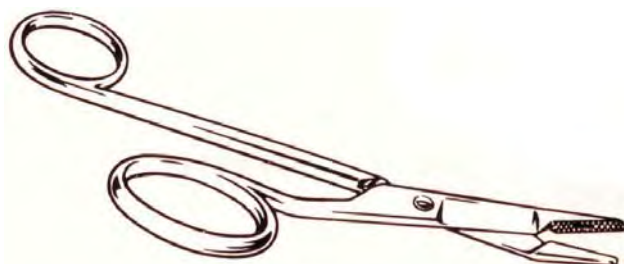
17-485 As Above 178mm  
17-490 As Above 203mm



### Gillie's Combined Scissors & Needle Holder

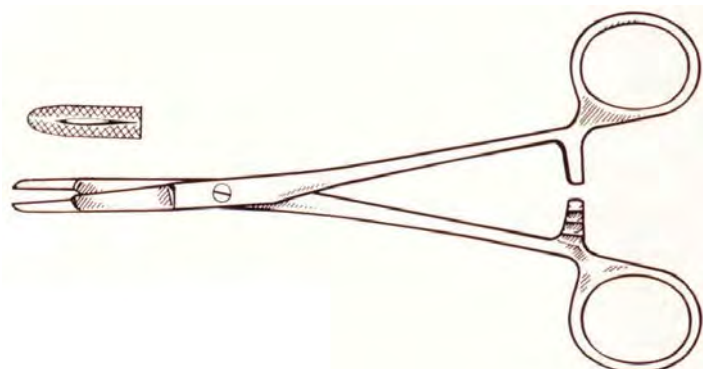
Designed to Aid repidity of Operation and to Save Time,  
It Combines the Functions of Two Instruments in One,  
Comfortable Grip, Stainless Steel.

17-495 Right Hand  
17-500 Left Hand



### Olsen Hegars Needle Holders

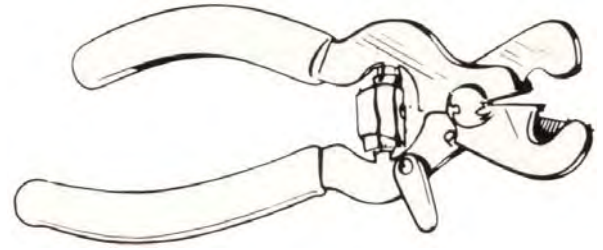
17-505 16.5cm





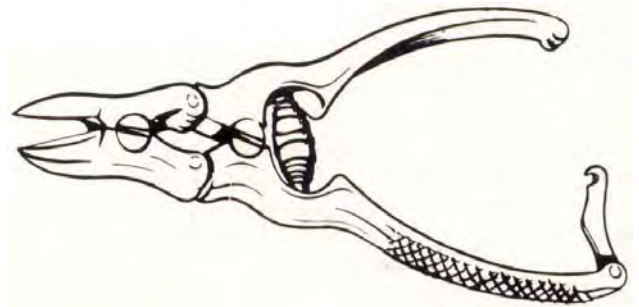
**Miller Forge Nail Clipper**

17-510



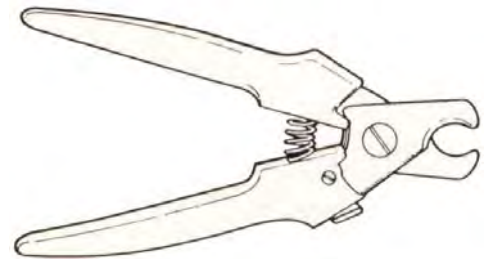
**Nail Clipper**

Stainless Steel, Very Powerful Compound Action.  
17-515



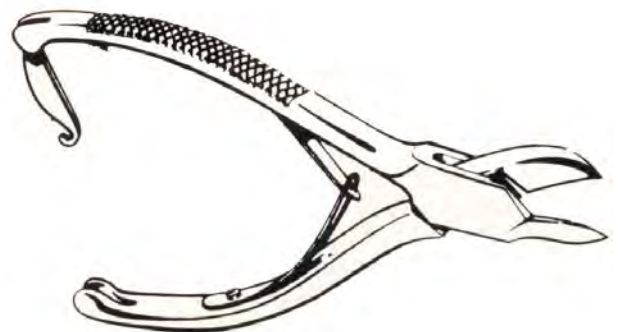
**Heavy Duty Nail Clipper**

Very Powerful Nail Cutter With Comfortable Handles  
and 'Lock-Shut' Ever, Overall Length: 170mm.  
17-520



**Nail Clipper**

Nickel Plated.  
17-525



**Resco Guillotine Nail Clipper**

17-530

**Resco Guillotine Nail Clipper.  
Jumbo Size**

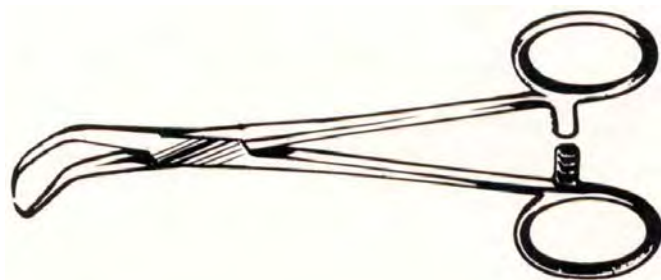
17-535





**Backhaus' Towel Holding Forceps**

Screw Joint, Stainless Steel 89mm.  
17-540



**Lane's Tissue Forceps**

17-545 195mm.



**Allis Tissue Forceps**

Box Joint, Stainless Steel, 152mm.  
17-550



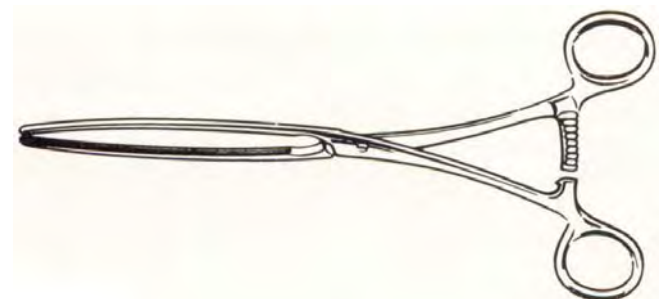
**Noel's Speying Hook**

Stainless Steel, 127cm.  
17-555



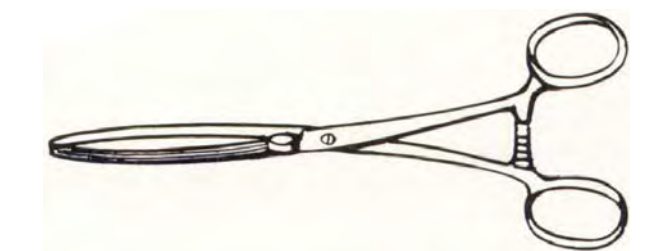
**Doyen's Intestinal Clamp**

Curved on Flat, Box Joint, with 105mm Blade,  
Overall Length 240mm, Stainless Steel.  
17-560



**Doyen's Intestinal Clamp**

Straight, Box Joint, with 95mm Blade,  
Overall Length 215mm, Stainless Steel.  
17-565



**Lane's Intestinal Clamp**

Straight, 19cm, Blade 7.5cm, Stainless Steel.  
17-570



**Michel's Forceps**

For Inserting Michel's Clips, Stainless Steel.  
17-575



**Michel's Forceps**

Double Ended for Inserting and Removing Michel's Clips, Stainless Steel.  
17-580



**Lane's Forceps**

Dissecting, 1x2 teeth, Stainless Steel.  
17-585 140mm  
17-590 152mm  
17-595 178mm



**Treves's Forceps**

Dissecting, 2x3 teeth, Stainless Steel.  
17-600 127mm  
17-605 127mm 2x3 teeth  
17-610 152mm  
17-615 152mm 2x3 teeth



**Speying Forceps**

127mm, Stainless Steel.  
17-620



**Towel Clip**

Cross Action, Stainless Steel, 80mm, Superior Quality.  
17-625



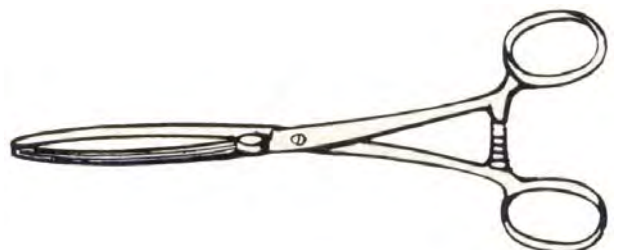
**Towel Clip**

Cross Action, Standard Quality.  
17-630



**Lane's Interstinal Clamp**

Straight 19cm, Blade 7.5cm, Stainless Steel.  
17-635





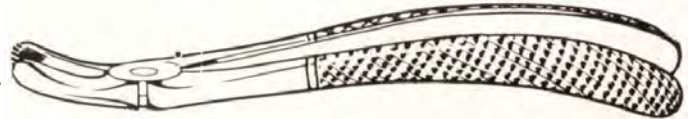
**Tooth Extractors**

Straight, Stainless Steel, For Upper Molars,  
Length: 165mm.  
17-640



**Professor McCunn's  
Dental Forceps**

For Small Animals, Serrations on Jaws with Gripping Teeth.  
Length: 152mm  
17-645



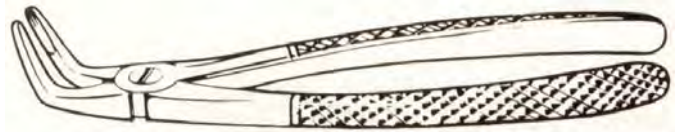
**Dental Forceps**

Fragments, for Small Animals, Length: 152mm.  
17-650



**Dental Forceps**

Stumps, for Small Animals, Length: 152mm.  
17-655



**Tooth Extractors**

Curved, Stainless Steel, For Lower Molars,  
Length: 165mm.  
17-660



**Tooth Extractors**

For Fragments, Length: 178mm.  
17-665



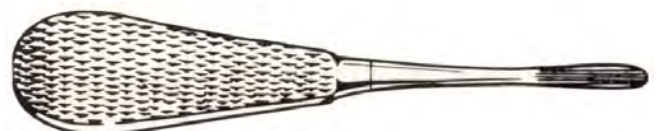
**Coupland's Dental Chisel**

17-670 127mm



**Dental Elevator**

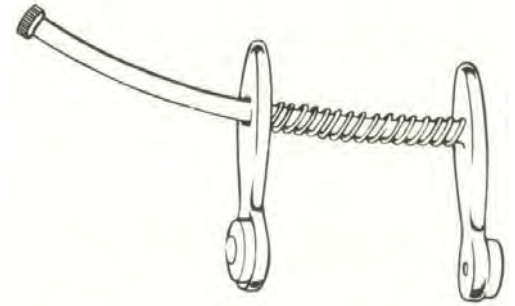
For Small Animals, Straight.  
17-675





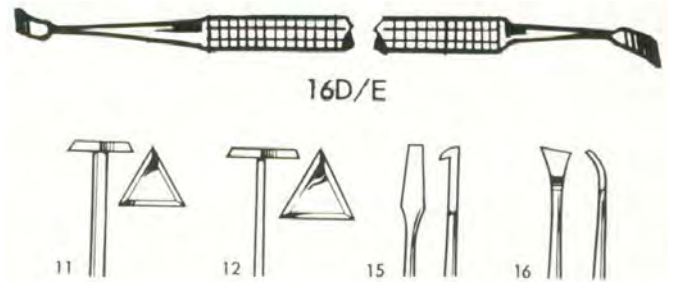
**Gray's Mouth Gag**

- 17-680 Small, 5.4cm Max, Opening.
- 17-685 Medium, 8.89cm Max, Opening.
- 17-690 Large, 12.7cm, Max, Opening.
- 17-695 Special Cat Size, 2.7cm Max, Opening.
- 17-700 Spare Rubbers for Mouth Gag (Pair).
- 17-705 Spare Spring for Mouth Gag.



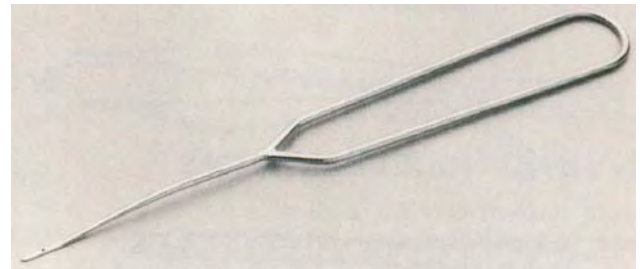
**Dental Scalers**

- 17-710 11
- 17-715 12
- 17-720 15
- 17-725 16
- 17-730 16 D/E



**Brodie's Dental AWL**

To Facilitate Fracture Repair of the Feline Mandibular Symphysis or Pars Incisiva as Commonly Encountered in Small Animal Practice.  
17-735



**Tooth Extractors**

For Wolf Teeth, Half Angled, Length: 260mm, Jaws Close Fully.  
17-740



**Reynold's Tooth Extractors**

Lower Jaw, Length: 38cm.  
17-745



**Reynold's Tooth Extractors**

Upper Jaw, Length: 38cm.  
17-750



**Tooth Extractors**

For Wolf Teeth, Fully Angled, Length: 260mm, Jaws Close Fully.  
17-755

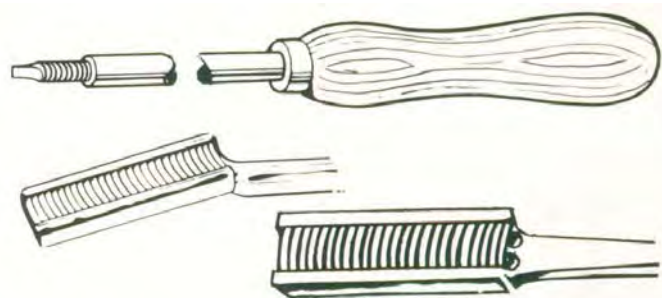




### Army Pattern Tooth RASP

17-760 For Upper and Lower Jaws. Interchangeable Heads and RASP Blades, Complete with Two Heads, Angled and Straight.

17-765 Spare Screws.



### Horse Tooth RASPS

Stainless Steel to Take Replaceable Blades, Lightweight and angled for upper Jaws, Size: 46cm (18in).

17-770

**(XL)**

As Above but 61cm.

17-775



### Multi-Angled Tooth RASP

Stainless Steel, Overall Length: 46cm.

A Multi-Angled Tooth RASP, That Allows the User to RASP Upper and Lower Molar Teeth, Merely by Changing the Position of The Head.

17-780

**(XL)**

As Above, But Overall Length: 56cm.

17-785



### Tungsten RASP Blade

Single Sided, Tungsten Chip Blade for Fast and Efficient Rasping.

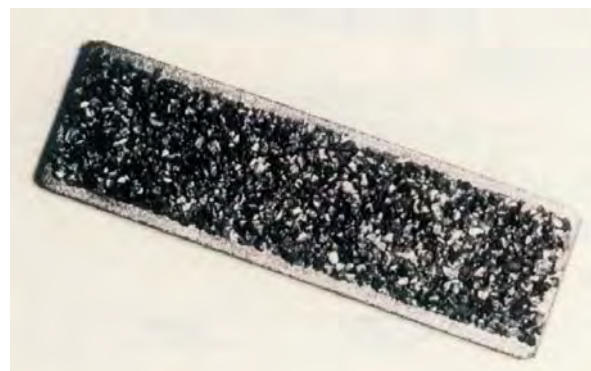
17-790

### Spare Allen Key for RASP.

17-795

### Spare Grub Screws for Rasps.

17-800





**Bindloss' Dental Chisel**

For Extracting Wolf Teeth in Young Horses.  
17-805



**Lachrymal Cannula**

Metal Luer Fitting, Length: 3.81cm.  
17-810



**Lang's Lachrymal Cannula**

Silver, Long Curve, Luer Lock.  
17-815



**Fixation Forceps**

Stainless Steel, 1x2th, Length: 15.24cm.  
17-820



**Iris Forceps**

Stainless Steel, 1x2th, Straight: 10cm.  
17-825



**Iris Forceps**

Stainless Steel, 1x2th, Curved: 10.16cm.  
17-830



**Iris Forceps**

Serrated, Straight, Length: 10.16cm.  
17-835



**Iris Forceps**

Serrated, Curved, Length: 10.16cm.  
17-840



**Iris Forceps**

1x2th, 9.5cm.  
17-845



**Epilation Forceps**

17-850



**Jameson Evans' Cilia Forceps**

12cm.  
17-855





**Strabismus Scissors**

17-860 Straight, Stainless Steel, Length: 12cm.  
17-865 Curved, Stainless Steel, Length: 10.8cm.



**Iris Scissors**

17-870 Straight, Stainless Steel, Length: 11.43cm.  
17-875 Curved, Stainless Steel, Length: 10.16cm.



**Strabismus Scissors**

17-880 Straight, Stainless Steel, Length: 12cm.  
17-885 Curved, Stainless Steel, Length: 10.8cm.



**Excision Scissors**

17-890 Straight, Stainless Steel, Length: 11.43cm.  
17-895 Curved, Stainless Steel, Length: 11.43cm.

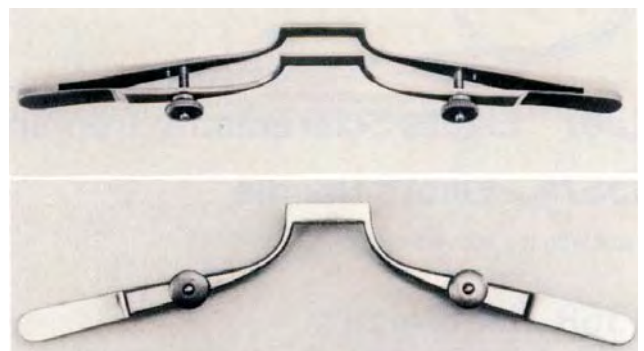


**Distichiasis**

The Clamp has been Designed to fit most Sizes of Eyelid, and will Hold Firmly the Papebral Margin the Cilia-Containing Strip of Tissue is Removed.

As Designed be Dr P.G.C Bedford, FRCVS, B.Vet.Med., D.V.Ophthol.

17-900



**Hobdays Roaring Burr**

Stainless Steel with Grooved Handle, Burr Diameter Approximately 10mm.  
17-905





### Harrison Butler's Lachrymal Cannula

Silver, Fine, Luer Lock.  
17-930



### Gallipot

Stainless Steel, Half Curl Edge, Outside Diameter 63mm.  
17-935



### Liebreich's Lachrymal Probes

Stainless Steel, Set of Four, Double Ended, 12.5cm.  
17-940



### Beer's Cataract Needle

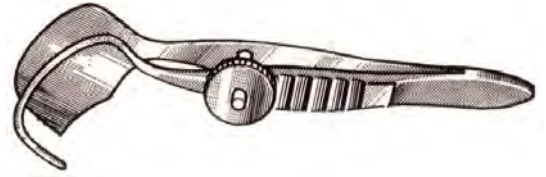
Slight Curved.  
17-945





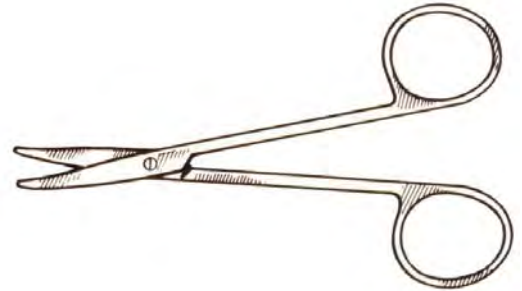
**Desmarre's Entropion Forceps**

17-950 9cm, Right  
17-955 9cm, Left



**Enucleation Scissors**

Round Points, Curved on Flaf, 11.5cm.  
17-960



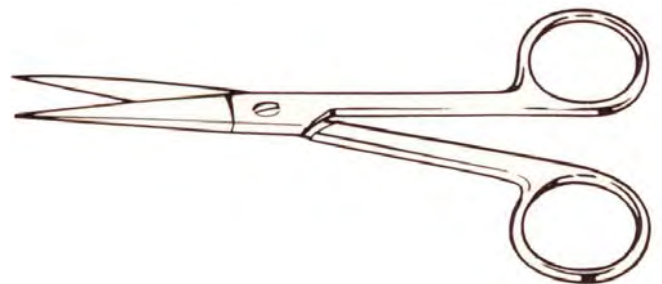
**Conjunctival Scissors**

Pooley's Fine Dissection.  
17-965



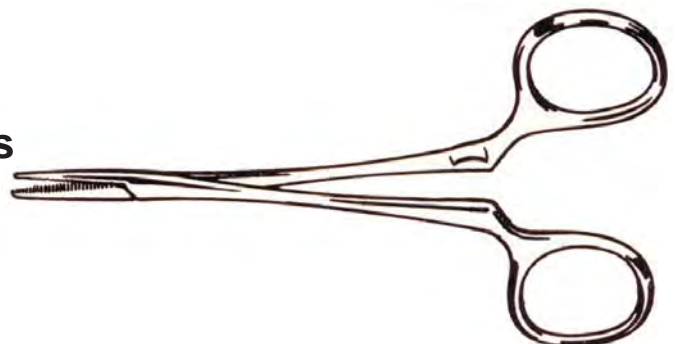
**Scissors**

Sharp Points, Straight, Stainless Steel, 127mm.  
17-970



**Halstead's Mosquito Artery Forceps**

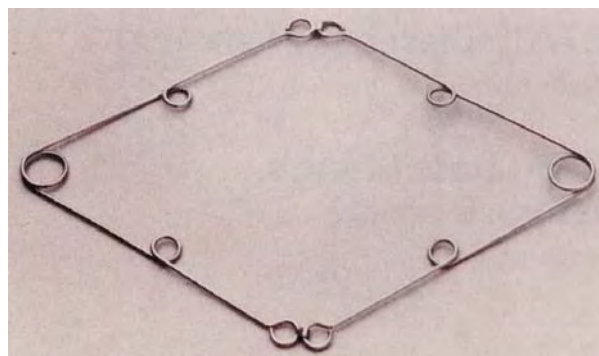
17-975 Box Joint, Straight, Stainless Steel, 127mm.  
17-980 Box Joint, Curved, Stainless Steel, 127mm.





### Eyelid Retractor

For Retracting the Eyelids by means of SUTURES, Thus Keeping the Operating site Clear of Encumbrance.  
17-985



### Paragon No.7 Knife Handle

To Hold Blades Numbers 10, 11, 12 and 15.  
17-990



### Allis's Tissue Forceps

Box Joint, Stainless Steel, 152mm.  
17-995



### Rush Intramedullary Pins

S.Mo Stainless Steel.

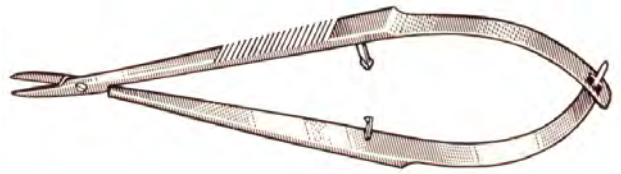
Diameter 3.18mm		Diameter 3.38mm	
17-9025	2.5cm	17-9125	2.5cm
17-9032	3.2cm	17-9132	3.2cm
17-9038	3.8cm	17-9138	3.8cm
17-9044	4.4cm	17-9144	4.4cm
17-9051	5.1cm	17-9151	5.1cm
17-9057	5.7cm	17-9157	5.7cm
17-9064	6.4cm	17-9164	6.4cm
17-9070	7.0cm	17-9170	7.0cm
17-9076	7.6cm	17-9176	7.6cm
17-9083	8.3cm	17-9183	8.3cm
17-9089	8.9cm	17-9189	8.9cm
17-9095	9.5cm	17-9195	9.5cm
17-9102	10.2cm	17-9102	10.2cm





**Castroviejo's Needle Holder**

Spring Shanks without Catch, Straight,  
Screw Joint, 140mm.  
18-100



**Castroviejo's Scissors, Corneal**

Curved on Flat.  
18-105



**Arruga's Intra Capsule Forceps**

Curved Tips, 95mm, Removal of residual Lens Material  
During Extracapsular Extraction.  
18-110



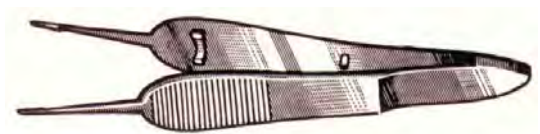
**Barraquer's Corneal Forceps**

1x2th, 75mm, All Round Forceps for Fine Work.  
18-115



**St. Martin's Corneal Suturing Forceps**

1x2th, 85mm, All Round Forceps for Fine Work.  
18-120



**Snellen's Vectis**

18-125 Blunt, Long Loop, Straight.  
18-130 Blunt, Long Loop, Angled.  
For Manipulation of the Lens During  
Extracapsular Extraction.



**Snellen's Vectis**

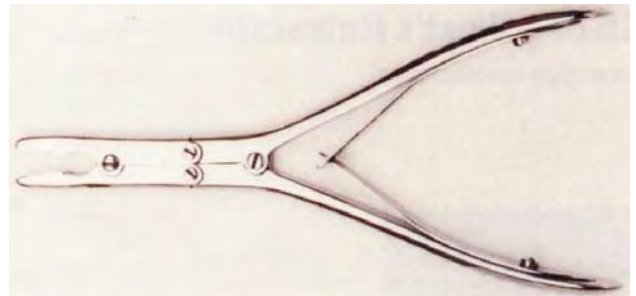
Cross Action, Stainless Steel, 80mm, Superior Quality.  
18-135





### Luer Bone-Nibbling Forceps

18-140



---

### Luer Bone-Cutting Forceps

Screw Joint with Spring, Stainless Steel, Sizes as Under.

18-145 152mm

18-150 178mm



---

### Wire Twister and Cutter

This Instrument Provides a Simple Means of Holding and Twisting Wires up to .0625in Diameter, Stainless Steel.

18-155



---

### Wire Twister

18-160

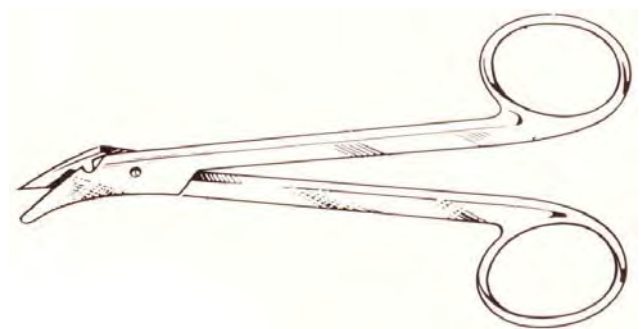


---

### Suture Wire Cutting Scissors

These Scissors have Specially Serrated Cutting Jaws Which Cut Stainless Steel Suture Wires of Small Diameter.

18-165





**Small Osteotomes**

- 18-170 4mm Length 15cm
- 18-175 6mm Length 15cm
- 18-180 8mm Length 15cm



**Small Chisels**

- 18-185 4mm Length 15cm
- 18-190 6mm Length 15cm
- 18-195 8mm Length 15cm



**Small Gouges**

- 18-200 4mm Length 15cm
- 18-205 6mm Length 15cm
- 18-210 8mm Length 15cm



**Fergusson's or Lion  
Bone Holding Forceps**

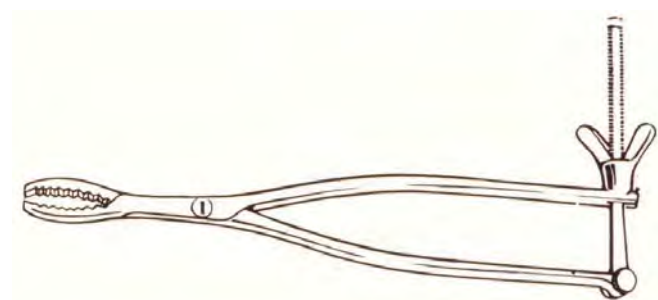
Stainless Steel, Firm Purchase is Obtained on the Bone with this Forcep.

- 18-215 152mm
- 18-220 203mm



**Hey Groves  
Bone Holding Forceps**

Stainless Steel, 203mm.  
18-225



**Cheatle's Sterilizer Forceps**

27cm Screw Joint, Stainless Steel.  
338-544-270





**Volkmanns Cutette**

18-230



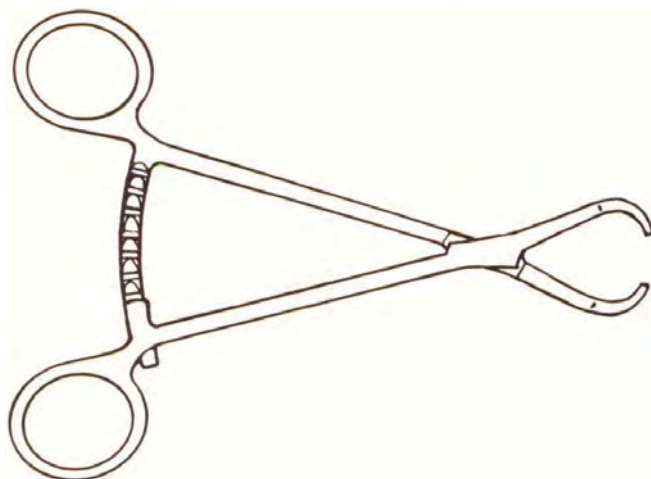
**Burn's Bone Holding Forceps**

Overall Length: 18cm.  
18-235



**Orthopaedic Grasping Forceps**

18-240 126mm  
18-245 165mm



**Sherman Bone Screws**

S.Mo Stainless Steel, Coarse Thread.



3.6 "	2.8 "	Length
Cat #	Cat #	MM
18-2010	18-2110	10
18-2013	18-2113	13
18-2016	18-2116	16
18-2019	18-2119	19
18-2022	18-2122	22
18-2025	18-2125	25
18-2028	18-2128	28
18-2031	18-2131	31
18-2034	18-2134	34
18-2037	18-2137	37
18-2040		40
18-2043		43
18-2046		46
18-2050		50
18-2056		56

When Ordering, Please Quote Length and Diameter,  
Together with Reference Number.



## Twist Drills Bits

Stainless Steel, Length: 127mm.

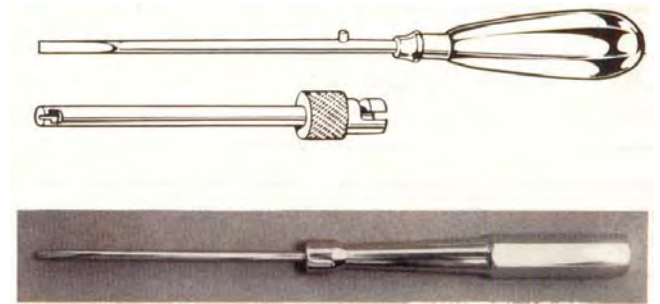
- 18-2213 1.3mm
- 18-2216 1.6mm
- 18-2220 2.0mm
- 18-2224 2.4mm
- 18-2228 2.8mm
- 18-2232 3.2mm
- 18-2236 3.6mm
- 18-2240 4.0mm
- 18-2248 4.8mm



## Orthopaedic Screw Drivers

With Holding Sleeve, Holds the Screw Rigid to Start then Separates to Drive the Screw Home.

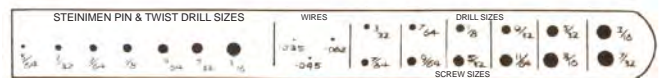
- 18-250 To Take 3.6mm Diameter Screws.
- 18-255 To Take 2.8mm Diameter Screws.
- 18-260 For Fingerplate Screws, Length: 165mm. (Without Holding Sleeve).



## Ruler

Made from Stainless Steel, The Ruler is ideal for Measuring Intramedullary Pin and Twist Drill Diameters, Length: 152mm.

18-265



## Hacksaw

Complete Hacksaw with Blades for Cutting Bone Pins, Metal Frame, Length: 25cm, Depth of Bow: 5cm, Blade Length: 15cm.

18-268

Spare Blades for Hacksaw (Pack of Ten)

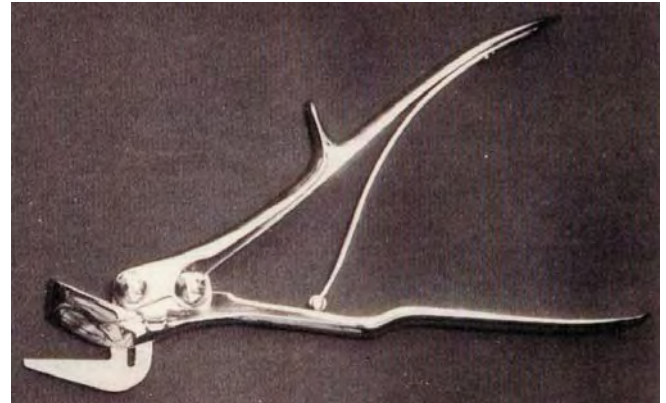
18-270





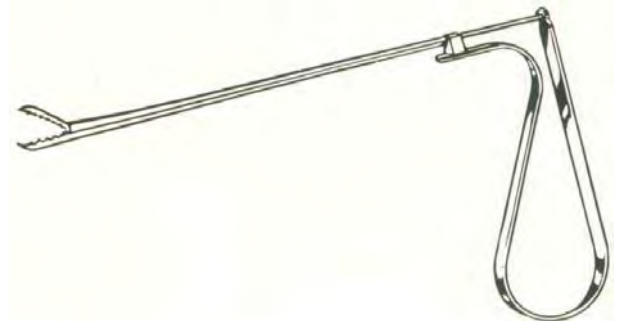
**Plaster Cutter**

Length: 24cm.  
18-275



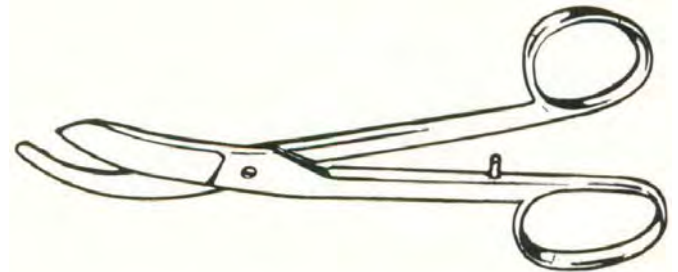
**Swiss Pattern Aural Forceps**

18-280



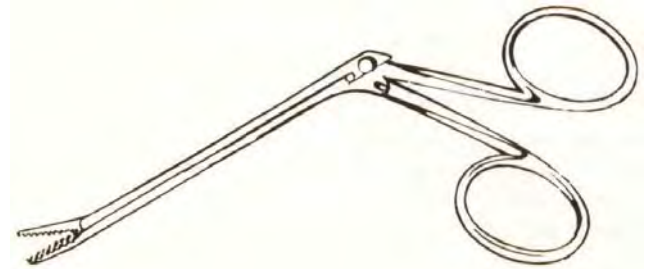
**Bohler's Plaster Shears**

Stainless Steel, Length: 25.5cm.  
18-285



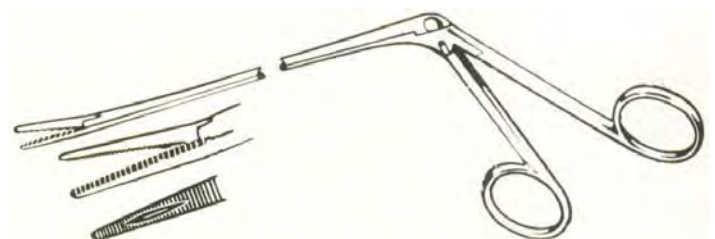
**Matthews' Aural Forceps**

18-290 Crocodile Pattern, Stainless Steel, Short 90mm.  
18-295 Veterinary Pattern, Length: 140mm.



**Jackson's Oesophageal Forceps**

Stainless Steel, 60cm Long.  
18-300





### Bone Pin Grip

The Bone Pin Grip can be Used for the Extraction of Steinman Pins, in Open Pinning Operations, and in Particualar the Femur.  
18-305



### Veterinary Otoscope Set

**Contents**

Slit Otoscope Head Complete with Swivel Lens, Closed Speculum 57 x 4mm, Same 65 x 6mm, Same 90 x 7mm, 1 Replacement Bulb (2.5 Volts), Standard N Battery Handle, In Compact Zipper Case.  
18-310



### Veterinary Diagnostic Set

**Contents**

Miroflex W2 Ophthalmoscope, Slit Otoscope Head Complete with Swivel Loupe, Closed Speculum 57 x 4mm, Closed Speculum 65 x 6mm, Closed Speculum 90 x 7mm, 1 Replacement Bulb Each (2.5 Volts), Standard N Battery Handle, In Compact Zipper Case.  
18-315





## Standard N Battery Handle

### The Heine Automatic Connector

For decades, the Sign for modern Diagnostic Instruments of the Highest Quality.

Instruments can be Instantly Attached to, or Detached from their Handle with 'Fingertip' ease.

Good Electrical Contact is Assured.

The Instrument is Positively Located and cannot Twist in its Mounting.

18-320



## Large Veterinary Diagnostic Set

### Contents

Miroflex W2 Ophthalmoscope, Slit Otoscope Head Complete with Loupe, 1 Set = 5 Pieces, Veterinary Specula (Sanalon S), 1 Transparent Pack with 10 Disposable Specula, 4mm Diameter Adaptor for Above, Closed Speculum 57 x 4mm, Same 65 x 6mm Same 90 x 7mm, Slit Speculum 65 x 6mm, Same 900 x 7mm, Veterinary-Tubus, 150 x 10mm, Veterinary Spreadable Speculu 1 Replacement Bulb each 2.5 Volt. Standard N Battery Handle, In Leatherette Case with Plastic Insert.

18-325





### Sterilizing Drums

Stainless Steel.

338-010-006 24 x 12cm

338-012-008 24 x 24cm



### Plastic Instrument Tray

With 3 Small and 1 Large Division.

Size Overall: 270 x 178 x 30mm

18-330



### Instrument Trays Without Covers

Stainless Steel,

338-262-016 350 x 300 x 51mm

338-263-017 400 x 350 x 51 mm

338-264-018 450 x 300 x 51mm



### Kidney Trays

Stainless Steel,

338-306-001 150mm

338-307-002 200mm

338-308-003 240mm

338-309-005 300mm



### Lotion Bowls

Stainless Steel.

338-316-002 100 mm

338-318-004 150 mm

338-319-005 200 mm

338-320-006 250 mm

338-321-007 300 mm





**Bolus & Tablet Guns**

**Magnet Gun**

Curved - CP

19-100 54 x 26mm

19-105 54 x 38mm



**Farmer Blling Gun**

(Brass/NP)

19-110 5/8"



**Balling Gun Plastic Head**

19-115 5/8"



**Calf Balling Gun**

(Brass/NP)

19-120 5/8"



**Balling Gun Rubber Head**

(Brass/NP)

19-125 5/8"





**Bolus & Tablet Guns**

**Balling Gun Rubber Head**

(Brass/NP)

19-130 5/8"



**Magnet/Bolus Applicator**

Curved Rubber Haed - CP

19-135



**Magnet/Bolus Applicator**

Curved Rubber Haed - CP

19-140



**Magnet Inserter**

Plastic

19-145



**Calf Balling Gun**

(Brass/NP)

19-150 5/8"





**Bolus & Tablet Guns**

**Magnet/Bolus Applicator Holds**

5 - Bolus (Brass/NP)

19-155



**Magnet Gun Curved 54cm**

(CP)

19-160



**Magnet/Bolus Applicator**

Curved Rubber Head. SEMI AUTO (CP)

19-165



**Castrator Forceps**

**Castration Forceps**

(SS)

20-100 23cm



**Castration Forceps**

(SS)

20-105 23cm





**Castrator Forceps**

**Newberry Castration Knife**

(SS)

20-110



**Castration Knife(SS)**

(SS)

20-115 (Double Blade)



**Castration Knife(SS)**

(SS)

20-120 (Triple Blade)



**Elastrator Rubber Ring Applicator**

(SS)

20-125



**Elastrator Rubber Ring Applicator**

(Aluminum)

20-130





**Castrator Forceps**

**Elastrator Rubber Ring Applicator**

(Aluminum)

20-135



**Grooved Wires-Elastrator  
Rubber Ring Applicator**

(CP)

20-140



**Elastrator Rubber Ring Applicator**

(SS)

20-145



**Elastrator Rubber Ring Applicator**

(Plastic)

20-150



**Verboczy Emasculator**

Fixed Clamping Part, Triple Crush (SS)

20-155 23cm





**Castrator Forceps**

**Verboczy Emasculator**

Fixed Clamping Part, Triple Crush (SS)

20-160 30cm



**Verboczy Emasculator**

Fixed Clamping Part, Triple Crush (SS)

STR	CVD		
20-200	27cm	20-215	27cm
20-205	23cm	20-220	23cm
20-210	19cm	20-225	19cm



**Reimers Emasculator**

(SS)

20-250 33cm



**Reimers Emasculator with Cutting Device**

(SS)

20-255 31cm



**Sand Emasculator**

(SS)

20-260 31cm





**Dehorning Instruments**

**Growing Tooth Forceps**

(SS)

21-100 28cm



**Gowing Tooth Forceps**

(SS)

21-105 28cm



**Reinhard Tooth Forceps**

(SS)

21-110 43cm



**Tooth Rasp Fixed Head**

(SS)

21-115 28"



**Dental Float**

(CP)

21-120 20"

21-121 26"





**Dehorning Instruments**

**Replacement Blade**

(CS)

21-125



**Universal Dental Float Hinged Blade**

(CP)

21-130 20"

21-135 26"



**Replacement Blade**

(CS)

21-140



**Dental Elevator**

Aluminum Handle (SS)

21-145



**Bayer Mouth Wedge for Cattle & Horse**

(SS)

21-150





**Dehorning Instruments**

**Schulze Mouth Gag for Cattle & Horse**

(SS)

21-155



**Schoupe**

(SS)

21-160 2-1/3"



**Holborn Mouth Gag for Horse**

W/Brown Leather Straps (SS)

21-165



**Mouth Gag For Dogs**

(SS)

21-170



**Barne Dehorner Wood Handle**

(CP)

21-175 12"





**Dehorning Instruments**

**Barne Dehorner Heavy Duty**

Black Steel (CP)

21-180 12"



**Dehorner Polish**

Heavy Duty (CP)

21-185 17"



**Dehorner Heavy**

Black Steel Curved Handle (CP)

21-190



**Wire Saw**

Set 1 Pair

21-195 4"



**Drenchers**

**Uterine Pump**

Complete Set with Box

22-100 28mm Dia





**Drench Pump**

(Brass/NP)

22-105 39cm



-----  
**Drinking Nipples**

**Pig Drinking Nipples**

(All Size Available)

23-100



**Pig Drinking Nipples**

(All Size Available)

23-105



**Pig Drinking Nipples**

(All Size Available)

23-110



**Pig Drinking Nipples**

(All Size Available)

23-115





**Drinking Nipples**

**Pig Drinking Nipples**

(All Size Available)

23-120



**Pig Drinking Nipples**

(All Size Available)

23-125



**Ear Marking & Tagging**

**Ear Notcher**

Cloverleaf Cut Shape

24-100 23cm Length



**Ear Notcher**

Rounded Shape (SS)

24-105 15cm



**Ear Notcher**

Small V-Cut Shape (SS)

24-110 15cm Length





**Ear Marking & Tagging**

**Ear Notcher**

Rectangular Shape (SS)

24-115 15cm Length



**Ear Notcher**

V-Cut Shape (SS)

24-120 15cm Length



**Ear Notcher Small**

V-Cut (Aluminum)

24-125



**Ear Notcher**

M-Cut Shape

24-130 15cm Length



**Standard Tatoo Plair**

Aluminum (4-Digits)

24-135 3/8"





Ear Marking & Tagging

**Tattoo**

N/A

24-140 3/8"  
24-145 5/16"



**Tattoo Plier**

Aluminum (6-Digits)

24-150 7mm



**Tattoo**

N/A

24-155 7mm



**Tag Hanger**

N/A

24-160



**Ear Tagging Plier**

Aluminum

24-165





**Ear Marking & Tagging**

**Ear Tagging Plier**

Aluminum

24-170



**Tag Hanger**

N/A

24-175



**Ear Tag Applicator**

Aluminum (Premier "X" Tag)

24-180



**Ear Notcher**

Triangular Shape (SS) Large

24-185



**Ear Notcher Oval Cut**

(SS)

24-190





Ear Marking & Tagging

**Standard Tatoo Plair**

Aluminum (4-Digits)

24-195 3/8"



**Shoulder Tatoo**

Galvanized

24-200



**Ear Notcher Heavy**

(SS)

24-205



**Freeze Branding**

(0-9 Digit) Aluminum

24-210



**Burdiaao**

N/A

24-215





**Ear Marking & Tagging**

**Shoulder Tatoo**

(SS)

24-220



**Ink Pad with Grip**

Without Pad (SS)

24-225



**Tatoo**

N/A

24-230



**Ear syring**

**Ear Syring**

Brass/NP (All Size Available)

24-235



**Obstetrical - Embryotomy**

**Thoroughbred Vaginal Speculum**

(SS)

25-100





**Obstetrical - Embryotomy**

**Tube Speculum**

30cm - 3m Dia (Brass/NP)

25-105



**Frick Speculum**

20" 1-1/4 Dia (Brass/NP)

25-110



**Wound Needle**

(Galvanized) Small

25-115



**Wound Needle**

(Galvanized) Medium

25-120



**Wound Needle**

(Galvanized) Large

25-125





**Embryotomy**

**Hodbay OB Forceps**  
(SS)

26-100 20cm



**Pig Obstetrical Forceps**  
(SS)

26-105 48cm



**Witt Obstetric Forceps**  
(SS)

26-110 52mm



**Obstetric Hook**  
(SS)

26-115 34cm  
26-120 54cm



**Calving Chain**  
Adjustable Handles (CP)

26-125 150cm





**Embryotomy**

**Obstetric Chain**

Middle Oval Ring (SS)

26-130 80cm  
26-135 100cm



**Obstetric Chain Handle**

Also Available with Rubber Grip (CP)

26-140



**Lambing Instrument**

N/A

26-145 50cm



**Dr. Buhner Needle**

(SS)

26-150



**Dr. Buhner Needle**

(SS)

26-155





**Embryotomy**

**Dr. Buhner Needle**

(SS)

26-160 30cm



**Calf Head Snare**

Adjustable OB Loop Steel Cable

26-165



**Embryotome**

with Insertion Wire & Cleaning Brush (SS)

26-170



**Calf Puller Standard Complete**

(CP)

26-175



**Linde Embryotome Knife**

(SS)

26-180 5"





**Embryotomy**

**Uteri Support**

N/A

26-185



**Prolapse Uteri Support Leather**

N/A

26-190



**Uterine Forceps**

(SS)

26-195



**Milking Whiskis**

**Milking Tube with Olive**

Dia RECORD (SS)

27-100 80 x 2mm



**Milking Tube with Olive**

Dia RECORD (SS)

27-105 80 x 2mm





**Milking Whiskis**

**Teat Slitter Adjustable**

(SS) Double Blade

27-110



**Milking Whish**

(SS)

27-115



**Mole Trape**

**Mouse/Rate Trape**

Galvanized

28-100



**Mole Trap with Chain**

Galvanized

28-105



**Mole Trap with Handle**

Galvanized

28-110





**Pig Holders**

**Pig Holder**

Self Locking (CP)

29-100



**Pig Holder**

Self Locking (CP)

29-105



**Pig Holder Strong**

Small Aluminum Handle

29-110



**Pig Holder**

Small Rubber Handle

29-115



**Pig Holder**

2-\*Rubber Grips (CP)

29-120





**Pig Holders**

**Pig Holder**

Small Rubber Grip (CP)

29-125



**Pig Holder**

Small Umbrella Handle

29-130



**Pig Holder Long**

Self Locking (CP)

29-135



**Hog Catcher**

Self Locking (CS)

29-140



Restraining

**Hobble Black Leather with Heavy Chain**

N/A

30-100



**Hobble Nylon with Strips  
& Leather Reinforcement**

N/A

30-105



**Scraper Manure, Galvanized**

W/Changeable Rubber Blade

30-110



**Sheperd Stovel Pointed**

with Catch Hook (SS)

30-115



**Sheperd Stovel Rounded**

with Catch Hook (SS)

30-120





**Restraining**

**Hoof Clamp**

(Aluminum)

30-125



**Milk Anti Sucker**

(Galvanized)

30-130



**Milk Anti Sucker**

Large

30-135



**Milk Anti Sucker**

Medium

30-140



**Milk Anti Sucker**

Small

30-145





**Restraining**

**Pig Muzzle with Neck Starp**

N/A

30-150



**Bull Holder Long Handle**

with Rubber Grip in any Color (CP)

30-155



**Applicator for Milk Anti Sucker**

Red Colored (CS)

30-160



**Milk Anti Sucker with Spikes**

Aluminum

30-165



**Milk Sucking Preventer**

Aluminum

30-170





**Restraining**

**Milk Anti Sucker with Spikes  
Adjustable Spring**

(Aluminum)

30-175



**Pig Nose Ring**

N/A

30-180 30mm



**Bull Nose Ring H Model**

Dia (Brass)

30-185 55mm



**Bull Nose Ring S Shaped**

(SS)

30-190 55mm



**Bull Nose Ring Standard**

N/A

30-195 55mm





Restraining

**Bull Nose Ring Standard**

Dia (Brass)

30-200 55mm



**Bull Leader Heavy Model**

(CP)

30-205



**Bull Holder with Coiled Spring**

(SS)

30-210 17cm



**Cattle Leader**

Finish Brass

30-215 3-3/4"



**Bull Holder**

(CP)

30-220 11cm





Restraining

**Applicator for Slandered Rings**

(CS)

30-225 5"



**Applicator for Standard Rings**

(SS)

30-230



**Applicator for S-Shaped Rings**

(SS)

30-235



**Applicator for Pig Nose Rings**

(CP)

30-240



**Bull Nose Punch**

(SS)

30-245 26.50cm





**Restraining**

**Bull Holder VE-ME**

Design for One Hand Use (SS)

30-250



**Applicator for Staples**

(CP)

30-255



**Applicator for Staples**

(Aluminum)

30-260



**Bull Leader**

with Hook (CP)

30-265



**Bull Leader**

(CP) with Hook & Chain

30-270





Restraining

**Bull Leader**

(CP)  
30-275 without Hook  
30-280 with Chain



**Bull Leader**

With Hook (CP)  
30-285



**Bull Leader**

(CP)  
30-290 without Hook  
30-295 without Chain



**Bull Leader**

(SS) without Hook  
30-300



**Bull Leader**

With Chain (SS)  
30-305





**Restraining**

**Fettering Chain**

Adjustable Length (Galvanized)

30-310



**Anti Kick Bar Galvanized**

(1650-1700 grams)

30-315



**Replacement Spring**

N/A

30-320



**Pig Nose Straple**

(CS) All size Available

30-325 20mm



**Crook Head Leg Model**

(Aluminum)

30-330





Restraining

**Sheperd Crook Neck Model**

(Aluminum)

30-335 95cm  
30-340 115cm



**Sheperd Crook Leg Model**

(Aluminum)

30-345 95cm  
30-350 115cm



**Sheperd Crook Dual Purpose Model**

(Aluminum)

30-355 134cm



Teat Instruments

**McLean Teat Knife**

(SS)

31-100



**McLean Teat Knife**

(SS)

31-105





**Teat Instruments**

**McLean Teat Knife**

(SS)

31-110



**Grove Probe Director**

(SS)

31-115 5"



**Teat Slitter Adjustable**

(SS)

31-120 Single Blade  
31-125 Double Blade



**Teat Slitter Scissor**

(SS)

31-130 6"



**Teat Tumor Extractor**

(SS)

31-135 Dia 3.5mm  
31-140 Dia 4mm





**Teat Instruments**

**Teat Lancet**

(SS)

31-145 4mm



**Teat Dialator**

(SS)

31-150 5.5"



**Trocars**

**Trocar & Canula**

9cm Length (SS)

32-100 5mm



**Trocar & Canula**

12cm Length (SS)

32-105 7mm



**Trocar & Canula**

9cm Length (SS)

33-110 5mm





**Trocars**

**Trocar & Canula**

12cm Length (SS)

33-115 7mm



**Trocar & Canula**

15cm Length (SS)

33-120 10mm





**Dog Nail Nipper**

(SS)

34-100



**Dog Nail Nipper**

with Rubber Grip (SS)

34-105



**Cat Nail Nipper**

Red Colored (SS)

34-110



**Cat Nail Nipper**

Red Colored Rubber Grip (SS)

34-115



**Cat Nail Nipper**

Deferent Colored Plastic Grip (SS)

34-120





**Sheep Hair Clipper**

(CS)(CP)

34-125



**Horse Hair Clipper**

N/A

34-130



**Pig Nail Nipper**

Red Colored (SS)

34-135



**Nail Nipper**

(SS)

34-140



**Horse Shoe**

(CS)

34-145





**Standard Horse Shoe**

Pair (CS)

34-150



**Horse Shoe with Trailer**

(CS)

34-155



**Horse Shoe**

(CS)

34-160



**Horse Shoe**

(CS)

34-165



**Horse Shoe**

(CS)

34-170





**Horse Shoe**

Pair (CS)

34-175



**Horse Shoe**

(CS)

34-180



**Horse Shoe**

(CS)

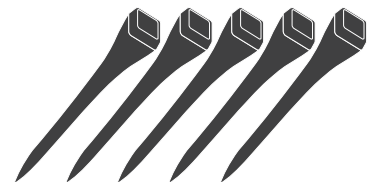
34-185



**Spikes for Horse Shoe**

(CS)

34-190





**Thumb speculum for Diagnosis**  
15-100



**Mouth Gag**  
15-110



**Mouth Gag "COMET"**  
15-115



**Mouth Gag**  
15-120



**Head Lamp, Moveable, Halogen, With Battery Box**  
15-125





**Chisel, Complete**  
15-130

**Chisel Top For Chisel, Only**  
15-135

**Pestle for Chisel, Only**  
15-140



**Bite Plate, Pair, Only**  
15-145



**S-Shaped Hand RASP, Length 30cm (For Shortening of Canini and Molars)**  
15-150



**Bite Bar, Only**  
15-155



**Full Mouth Gag Modified, Complete**  
15-160





**Pistol Grip for Hand RASP, Short, Length 30cm  
15-165**



**Pistol Grip for Hand RASP, Long, Length 42cm  
15-170**



**RASP Top, Angled Up, T/C Covered  
15-175**



**RASP Top, Straight, T/C Covered  
15-180**

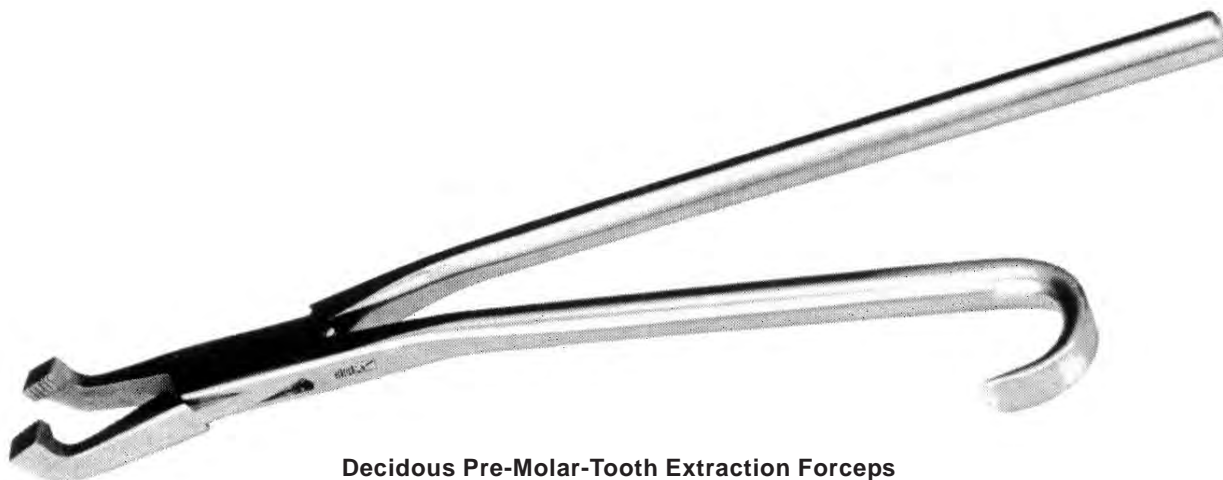


**RASP Top, Angled Down, T/C Covered  
15-185**



**Tooth-RASP-SET  
20-150**

Consisting of:  
15-165 / 15-170 / 15-175 / 15-180 / 15-185



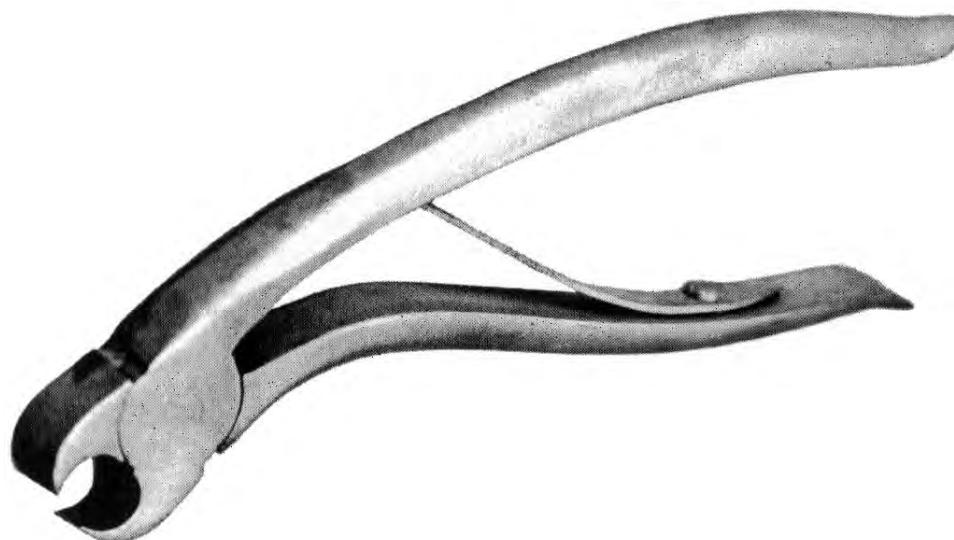
**Deciduous Pre-Molar-Tooth Extraction Forceps**  
15-190

---



**Extraction Forceps**  
15-195

---



**Deciduous-Incisor-Tooth Extraction Forceps**  
15-200



**Tooth Cutter, Straight, Length 56cm**  
15-205



**Tooth Cutter, Angled, Length 56cm**  
15-210



**Universal Extraction Forceps**  
15-215



**Hypomochleon, Fig-1 : 56cm**  
15-220

**Hypomochleon, Fig-2 : 56cm**  
15-225



Top for Wolf Tooth Extractor Fig-1  
15-230



Top for Wolf Tooth Extractor Fig-2  
15-235



Top for Wolf Tooth Extractor Fig-3  
15-240



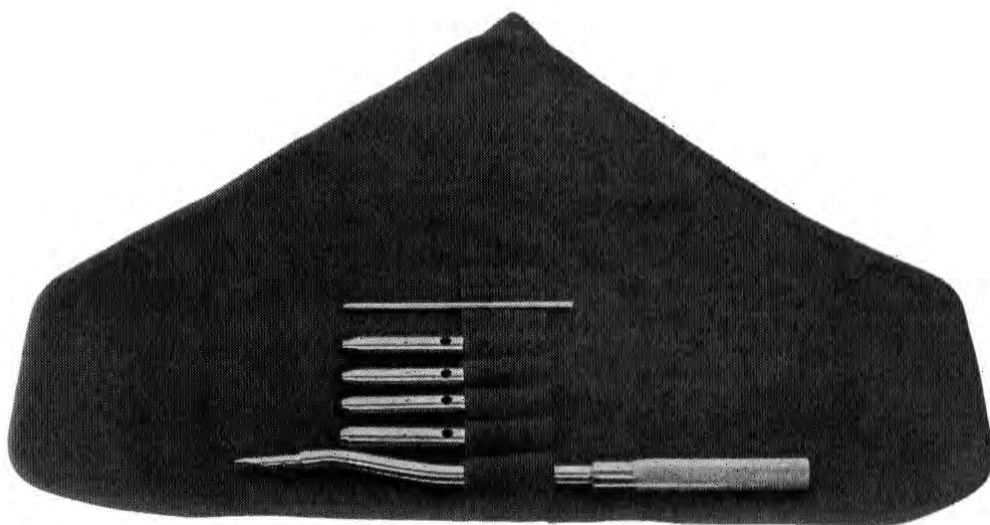
Top for Wolf Tooth Extractor Fig-4  
15-245



Ejector for Wolf Tooth Extractor  
15-250



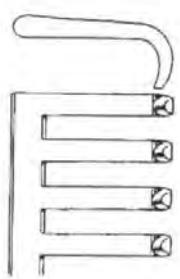
Handle for Wolf Tooth Extractor  
15-255



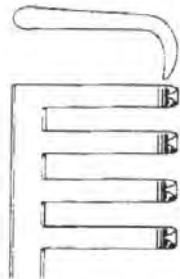
Wolf Tooth Extractor-Set, Complete  
With 4 Tops, in Canvas Roll  
15-260



Root Elevator, Length 22cm  
15-265



Blunt



Sharp

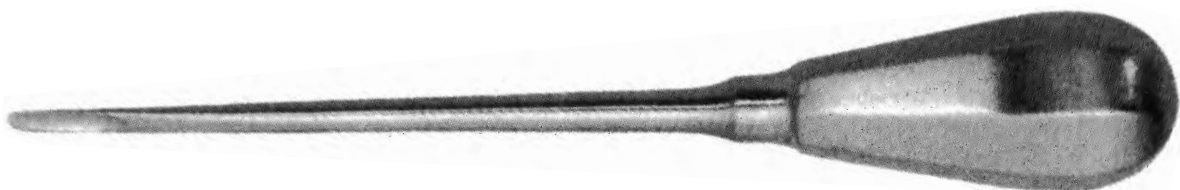


Weitlaner Retractor, Sharp, Length 13cm  
15-270

Weitlaner Retractor, Blunt, Length 13cm  
15-275

Weitlaner. sharp. 16.5 cm. 3 X 4 pr.. 16 mm deep  
100-481-09

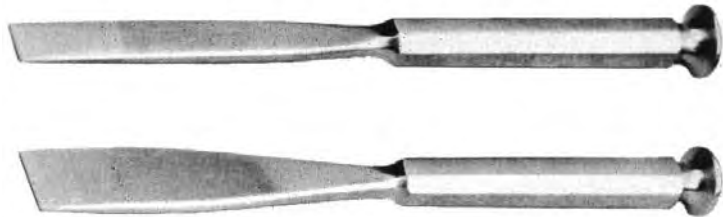
Weitlaner. Blunt. 16.5 cm. 3 X 4 pr.. 16 mm deep  
100-481-09



Wolf Root Elevator, Length 25cm  
15-280



**Osteotom, Strong, Length 20cm**  
100-635-12 12mm  
100-635-20 20mm



**Hammer 450 Grams**  
100-602-50



**Crown Cutter Alone, " 19mm**  
15-285



**Crown Cutter Alone, " 22mm**  
15-290



**Crown Cutter Alone, " 25mm**  
15-295



**Trepanation Set With 2 Crown Cutters,**  
" 19mm and " 22mm  
15-300



**Trepanation Set With 3 Crown Cutters,**  
" 19mm and " 22mm, " 25mm  
15-305



**Handle Alone for Trepan**  
15-310





**Periosteal Elevator Medium Straight Round Edge 14mm Blade Width  
100-725-14**



**15-330  
Set Tooth Punch, Straight, 20cm  
15-320 / 15-325**



**Tooth Punch, Straight, 20cm  
15-320**

**Tooth Punch, Curved, 20cm  
15-325**



**Gouges Set, Strong, Legth 18cm, 6-14mm (15-335 to 15-355)  
15-400**

**Gouge, Strong, Length 18cm**

- 15-335     6mm
- 15-340     8mm
- 15-345     10mm
- 15-350     12mm
- 15-355     14mm

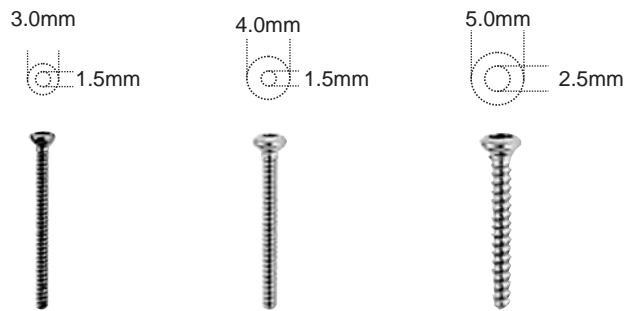


**Syringe for Mouth Irrigation  
15-405**



## Bone Screws Mini Screws

1.5, 2.0, 2.7 mm



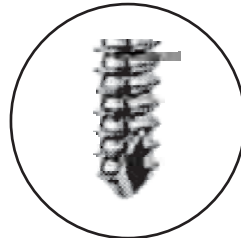
Dia of thread	1.5 mm	2.0 mm	2.7 mm
Dia of core	1.0 mm	1.3 mm	1.9 mm
Dia of head	3.0 mm	4.0 mm	5.0 mm
Length			
6 mm	<b>126-015-06</b>	<b>126-020-06</b>	<b>126-027-06</b>
7 mm	<b>126-015-07</b>		
8 mm	<b>126-015-08</b>	<b>126-020-08</b>	<b>126-027-08</b>
9 mm	<b>126-015-09</b>		
10 mm	<b>126-015-10</b>	<b>126-020-10</b>	<b>126-027-10</b>
11 mm	<b>126-015-11</b>		
12 mm	<b>126-015-12</b>	<b>126-020-12</b>	<b>126-027-12</b>
14 mm	<b>126-015-14</b>	<b>126-020-14</b>	<b>126-027-14</b>
16 mm	<b>126-015-16</b>	<b>126-020-16</b>	<b>126-027-16</b>
18 mm	<b>126-015-18</b>	<b>126-020-18</b>	<b>126-027-18</b>
20 mm	<b>126-015-20</b>	<b>126-020-20</b>	<b>126-027-20</b>
22 mm		<b>126-020-22</b>	<b>126-027-22</b>
24 mm		<b>126-020-24</b>	<b>126-027-24</b>
26 mm			<b>126-027-26</b>
28 mm			<b>126-027-28</b>
30 mm			<b>126-027-30</b>
32 mm			<b>126-027-32</b>
34 mm			<b>126-027-34</b>
36 mm			<b>126-027-36</b>
38 mm			<b>126-027-38</b>
40 mm			<b>126-027-40</b>



126-107-07 Washer



**Bone Screws  
Mini Screws**



Self Cutting Screws, Tapping Not Needed.

**1.5, 2.0, 2.7 mm**



Dia of thread	1.5 mm	2.0 mm	2.7 mm
Dia of core	1.0 mm	1.3 mm	1.9 mm
Dia of head	3.0 mm	4.0 mm	5.0 mm
Length			
6 mm	<b>15-4106</b>	<b>15-4206</b>	<b>15-4276</b>
7 mm	<b>15-4107</b>		
8 mm	<b>15-4108</b>	<b>15-4208</b>	<b>15-4278</b>
9 mm	<b>15-4109</b>		
10 mm	<b>15-4110</b>	<b>15-4210</b>	<b>15-4210</b>
11 mm	<b>15-4111</b>		
12 mm	<b>15-4112</b>	<b>15-4212</b>	<b>15-4212</b>
14 mm	<b>15-4114</b>	<b>15-4214</b>	<b>15-4214</b>
16 mm	<b>15-4116</b>	<b>15-4216</b>	<b>15-4216</b>
18 mm	<b>15-4118</b>	<b>15-4218</b>	<b>15-4218</b>
20 mm	<b>15-4120</b>	<b>15-4220</b>	<b>15-4220</b>
22 mm		<b>15-4222</b>	<b>15-4222</b>
24 mm		<b>15-4224</b>	<b>15-4224</b>
26 mm			<b>15-4226</b>
28 mm			<b>15-4228</b>
30 mm			<b>15-4230</b>
32 mm			<b>15-4232</b>
34 mm			<b>15-4234</b>
36 mm			<b>15-4236</b>
38 mm			<b>15-4238</b>
40 mm			<b>15-4240</b>



### Bone Screws

Small screws with Spherical Head and small Hexagonal Socket width across flats 2.5 mm



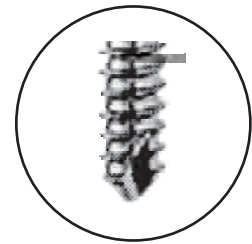
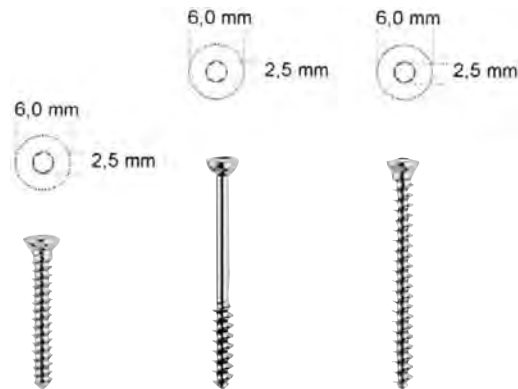
Dia of thread	3.5 mm	3.5 mm	4.0 mm	4.0 mm
Pitch	1.25 mm	1.75 mm	1.75 mm	1.75 mm
Dia of core	2.4 mm	1.9 mm	1.9 mm	1.9 mm
Dia of shaft			2.3 mm	
Dia of head	6.0 mm	6.0 mm	6.0 mm	6.0 mm
Length				
10 mm	<b>125-035-10</b>	<b>125-080-10</b>	<b>125-092-10</b>	<b>125-105-10</b>
12 mm	<b>125-035-12</b>	<b>125-080-12</b>	<b>125-092-12</b>	<b>125-105-12</b>
14 mm	<b>125-035-14</b>	<b>125-080-14</b>	<b>125-092-14</b>	<b>125-105-14</b>
16 mm	<b>125-035-16</b>	<b>125-080-16</b>	<b>125-092-16</b>	<b>125-105-16</b>
18 mm	<b>125-035-18</b>	<b>125-080-18</b>	<b>125-092-18</b>	<b>125-105-18</b>
20 mm	<b>125-035-20</b>	<b>125-080-20</b>	<b>125-092-20</b>	<b>125-105-20</b>
22 mm	<b>125-035-22</b>	<b>125-080-22</b>	<b>125-092-22</b>	<b>125-105-22</b>
24 mm	<b>125-035-24</b>	<b>125-080-24</b>	<b>125-092-24</b>	<b>125-105-24</b>
26 mm	<b>125-035-26</b>	<b>125-080-26</b>	<b>125-092-26</b>	<b>125-105-26</b>
28 mm	<b>125-035-28</b>	<b>125-080-28</b>	<b>125-092-28</b>	<b>125-105-28</b>
30 mm	<b>125-035-30</b>	<b>125-080-30</b>	<b>125-092-30</b>	<b>125-105-30</b>
32 mm	<b>125-035-32</b>	<b>125-080-32</b>	<b>125-092-32</b>	<b>125-105-32</b>
34 mm	<b>125-035-34</b>	<b>125-080-34</b>		
35 mm			<b>125-092-35</b>	<b>125-105-35</b>
36 mm	<b>125-035-36</b>	<b>125-080-36</b>		
38 mm	<b>125-035-38</b>	<b>125-080-38</b>		
40 mm	<b>125-035-40</b>	<b>125-080-40</b>	<b>125-092-40</b>	<b>125-105-40</b>
42 mm	<b>125-035-42</b>			
45 mm	<b>125-035-45</b>	<b>125-080-45</b>	<b>125-092-45</b>	<b>125-105-45</b>
48 mm	<b>125-035-48</b>			
50 mm	<b>125-035-50</b>	<b>125-080-50</b>	<b>125-092-50</b>	<b>125-105-50</b>
55 mm	<b>125-035-55</b>	<b>125-080-55</b>	<b>125-092-55</b>	<b>125-105-55</b>
60 mm	<b>125-035-60</b>	<b>125-080-60</b>	<b>125-092-60</b>	<b>125-105-60</b>
65 mm	<b>125-035-65</b>			
70 mm	<b>125-035-70</b>			
75 mm	<b>125-035-75</b>			
80 mm	<b>125-035-80</b>			
85 mm	<b>125-035-85</b>	<b>125-080-85</b>	<b>125-092-85</b>	<b>125-105-85</b>
90 mm	<b>125-035-90</b>	<b>125-080-90</b>	<b>125-092-90</b>	<b>125-105-90</b>
95 mm	<b>125-035-91</b>	<b>125-080-91</b>	<b>125-092-91</b>	<b>125-105-91</b>
100 mm	<b>125-035-92</b>	<b>125-080-92</b>	<b>125-092-92</b>	<b>125-105-92</b>
105 mm	<b>125-035-93</b>	<b>125-080-93</b>	<b>125-092-93</b>	<b>125-105-93</b>
110 mm	<b>125-035-94</b>	<b>125-080-94</b>	<b>125-092-94</b>	<b>125-105-94</b>



**125-107-07** Washer for Navicular Spongiosa Screws Ø 7 mm



### Bone Screws Self Tapping



Self Cutting Screws,  
Tapping Not Needed.

Dia of thread	3.5 mm	4.0 mm	4.0 mm
Pitch	1.25 mm	1.75 mm	1.75 mm
Dia of core	2.4 mm	1.9 mm	1.9 mm
Dia of Shaft		2.3 mm	2.3 mm
Dia of head	6.0 mm	6.0 mm	6.0 mm
Length			
10 mm	<b>15-4610</b>	<b>15-4710</b>	<b>15-4810</b>
12 mm	<b>15-4612</b>	<b>15-4712</b>	<b>15-4812</b>
14 mm	<b>15-4614</b>	<b>15-4714</b>	<b>15-4814</b>
16 mm	<b>15-4616</b>	<b>15-4716</b>	<b>15-4816</b>
18 mm	<b>15-4618</b>	<b>15-4718</b>	<b>15-4818</b>
20 mm	<b>15-4620</b>	<b>15-4720</b>	<b>15-4820</b>
22 mm	<b>15-4622</b>	<b>15-4722</b>	<b>15-4822</b>
24 mm	<b>15-4624</b>	<b>15-4724</b>	<b>15-4824</b>
26 mm	<b>15-4626</b>	<b>15-4726</b>	<b>15-4826</b>
28 mm	<b>15-4628</b>	<b>15-4728</b>	<b>15-4828</b>
30 mm	<b>15-4630</b>	<b>15-4730</b>	<b>15-4830</b>
32 mm	<b>15-4632</b>	<b>15-4732</b>	<b>15-4832</b>
34 mm	<b>15-4634</b>		
35 mm		<b>15-4735</b>	<b>15-4835</b>
36 mm	<b>15-4636</b>		
38 mm	<b>15-4638</b>		
40 mm	<b>15-4640</b>	<b>15-4740</b>	<b>15-4840</b>
42 mm	<b>15-4642</b>		
45 mm	<b>15-4645</b>	<b>15-4745</b>	<b>15-4845</b>
48 mm	<b>15-4648</b>		
50 mm	<b>15-4650</b>	<b>15-4750</b>	<b>15-4850</b>
55 mm	<b>15-4655</b>		<b>15-4855</b>
60 mm			<b>15-4860</b>

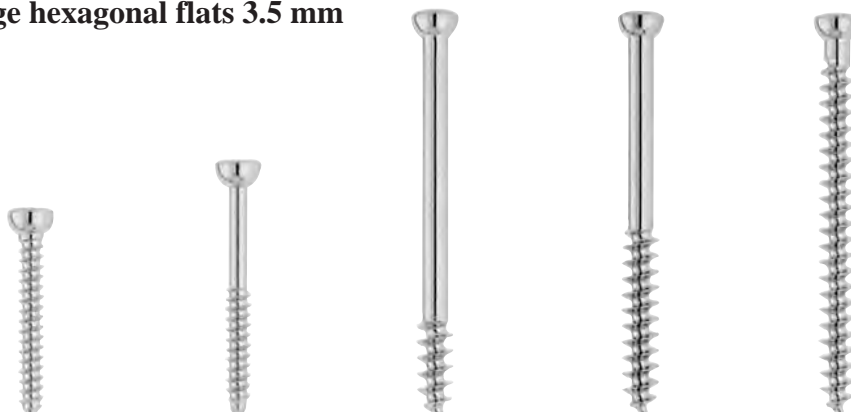


### Bone Screws

Large Screws with large hexagonal flats 3.5 mm



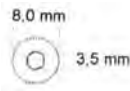
Washers  
**124-175-11** 11 mm  
**124-175-13** 13 mm



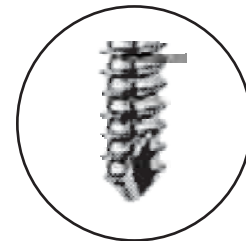
Dia of thread	4.5 mm	4.5 mm	6.5 mm	6.5 mm	6.5 mm
Dia of core	3.0 mm	3.0 mm	3.0 mm	3.0 mm	3.0 mm
Dia of shaft		3.0 mm	4.5 mm	4.5 mm	
Dia of head	8.0 mm	8.0 mm	8.0 mm	8.0 mm	8.0 mm
Length of thread	Full	Half	16 mm	32 mm	Full
14 mm	<b>124-045-14</b>				
16 mm	<b>124-045-16</b>				
18 mm	<b>124-045-18</b>				
20 mm	<b>124-045-20</b>	<b>124-070-20</b>			
22 mm	<b>124-045-22</b>				
24 mm	<b>124-045-24</b>				
25 mm		<b>124-070-25</b>			<b>124-150-25</b>
26 mm	<b>124-045-26</b>				
28 mm	<b>124-045-28</b>				
30 mm	<b>124-045-30</b>	<b>124-070-30</b>	<b>124-105-30</b>		<b>124-150-30</b>
32 mm	<b>124-045-32</b>				
34 mm	<b>124-045-34</b>				
35 mm		<b>124-070-35</b>	<b>124-105-35</b>		<b>124-150-35</b>
36 mm	<b>124-045-36</b>				
38 mm	<b>124-045-38</b>				
40 mm	<b>124-045-40</b>	<b>124-070-40</b>	<b>124-105-40</b>	<b>124-125-40</b>	<b>124-150-40</b>
42 mm	<b>124-045-42</b>				
44 mm	<b>124-045-44</b>				
45 mm		<b>124-070-45</b>	<b>124-105-45</b>	<b>124-125-45</b>	<b>124-150-45</b>
46 mm	<b>124-045-46</b>				
48 mm	<b>124-045-48</b>				
50 mm	<b>124-045-50</b>	<b>124-070-50</b>	<b>124-105-50</b>	<b>124-125-50</b>	<b>124-150-50</b>
52 mm	<b>124-045-52</b>				
54 mm	<b>124-045-54</b>				
55 mm		<b>124-070-55</b>	<b>124-105-55</b>	<b>124-125-55</b>	<b>124-150-55</b>
56 mm	<b>124-045-56</b>				
58 mm	<b>124-045-58</b>				
60 mm	<b>124-045-60</b>	<b>124-070-60</b>	<b>124-105-60</b>	<b>124-125-60</b>	<b>124-150-60</b>
65 mm	<b>124-045-65</b>	<b>124-070-65</b>	<b>124-105-65</b>	<b>124-125-65</b>	<b>124-150-65</b>
70 mm	<b>124-045-70</b>	<b>124-070-70</b>	<b>124-105-70</b>	<b>124-125-70</b>	<b>124-150-70</b>
75 mm	<b>124-045-75</b>	<b>124-070-75</b>	<b>124-105-75</b>	<b>124-125-75</b>	<b>124-150-75</b>
80 mm	<b>124-045-80</b>	<b>124-070-80</b>	<b>124-105-80</b>	<b>124-125-80</b>	<b>124-150-80</b>
85 mm	<b>124-045-85</b>		<b>124-105-85</b>	<b>124-125-85</b>	<b>124-150-85</b>
90 mm	<b>124-045-90</b>		<b>124-105-90</b>	<b>124-125-90</b>	<b>124-150-90</b>
95 mm	<b>124-045-91</b>		<b>124-105-91</b>	<b>124-125-91</b>	<b>124-150-91</b>
100 mm	<b>124-045-92</b>		<b>124-105-92</b>	<b>124-125-92</b>	<b>124-150-92</b>
105 mm	<b>124-045-93</b>		<b>124-105-93</b>	<b>124-125-93</b>	<b>124-150-93</b>
110 mm	<b>124-045-94</b>		<b>124-105-94</b>	<b>124-125-94</b>	<b>124-150-94</b>
115 mm	<b>124-045-95</b>		<b>124-105-95</b>	<b>124-125-95</b>	<b>124-150-95</b>
120 mm	<b>124-045-96</b>		<b>124-105-96</b>	<b>124-125-96</b>	<b>124-150-96</b>



**Bone Screws, Self Tapping**



Dia of thread	4.5 mm	4.5 mm
Dia of core	3.0 mm	
Dia of Shaft		4.5 mm
Dia of head	8.0 mm	8.0 mm
Length		
14 mm	<b>15-4914</b>	
16 mm	<b>15-4916</b>	
18 mm	<b>15-4918</b>	
20 mm	<b>15-4920</b>	
22 mm	<b>15-4922</b>	<b>15-5022</b>
24 mm	<b>15-4924</b>	<b>15-5024</b>
25 mm		
26 mm	<b>15-4926</b>	<b>15-5026</b>
28 mm	<b>15-4928</b>	<b>15-5028</b>
30 mm	<b>15-4930</b>	<b>15-5030</b>
32 mm	<b>15-4932</b>	<b>15-5032</b>
34 mm	<b>15-4934</b>	<b>15-5034</b>
35 mm		
36 mm	<b>15-4936</b>	<b>15-5036</b>
38 mm	<b>15-4938</b>	<b>15-5038</b>
40 mm	<b>15-4940</b>	<b>15-5040</b>
42 mm	<b>15-4942</b>	<b>15-5042</b>
44 mm	<b>15-4944</b>	<b>15-5044</b>
45 mm		
46 mm	<b>15-4946</b>	<b>15-5046</b>
48 mm	<b>15-4948</b>	<b>15-5048</b>
50 mm	<b>15-4950</b>	<b>15-5050</b>
52 mm	<b>15-4952</b>	<b>15-5052</b>
54 mm	<b>15-4954</b>	<b>15-5054</b>
55 mm		
56 mm	<b>15-4956</b>	<b>15-5056</b>
58 mm	<b>15-4958</b>	<b>15-5058</b>
60 mm	<b>15-4960</b>	<b>15-5060</b>
65 mm	<b>15-4965</b>	<b>15-5065</b>
70 mm	<b>15-4970</b>	<b>15-5070</b>
75 mm	<b>15-4975</b>	<b>15-5075</b>
80 mm	<b>15-4980</b>	<b>15-5080</b>
85 mm	<b>15-4985</b>	<b>15-5085</b>
90 mm	<b>15-4990</b>	<b>15-5090</b>
95 mm	<b>15-4995</b>	<b>15-5095</b>
100 mm	<b>15-4100</b>	<b>15-5100</b>
105 mm	<b>15-4105</b>	<b>15-5105</b>
110 mm	<b>15-4110</b>	<b>15-5110</b>



Self Cutting Screws,  
Tapping Not Needed.



**Mini Plates**  
Plates for 2.0 mmØ screws



	Length	Holes
<b>126-100-04</b>	22 mm	4
<b>126-100-05</b>	27 mm	5
<b>126-100-06</b>	32 mm	6
<b>126-100-07</b>	37 mm	7
<b>126-100-08</b>	42 mm	8

Profil: 5.0 x 1.2 mm  
Distance between holes: 5.0 mm

Mini T-Plates for 2.0 mm Screws  
Primary Indication: Fracture of the phalanges

Profil:  
Thick 4 - 6 holes 1.0 mm  
Thick 7 - 8 holes 1.5 mm  
Broad 5 mm  
Distance 5 mm

	Length	In head	In Shaft
<b>126-150-03</b>	50 mm	3	9
<b>126-150-04</b>	50 mm	4	9



**126-175-20** Straight Mini Plates for 2.0 mm screws with 20 holes, 100 mm length



**126-178-35** Mini - Adaptationplate for 2.0 mm screws with 20 holes, 100 mm length



Straight Mini Plates

	Length	Holes
<b>126-190-03</b>	17 mm	3
<b>126-190-04</b>	23 mm	4
<b>126-190-05</b>	29 mm	5
<b>126-190-06</b>	35 mm	6

Profil:  
Thick: 1.2 mm  
Broad: 5 mm  
Distance: 6 mm



**126-192-04**  
oblique left



**126-192-05**  
oblique right



**126-193-07**  
straight



**126-197-12**  
angled left 90°



**126-197-13**  
angled right 90°



**Mini Plates**  
Plates for 2.7 mmØ screws



Profil: 8.0 x 2.0 mm  
Distance between holes: 8.0 mm

	Length	Holes
<b>126-205-02</b>	20 mm	2
<b>126-205-04</b>	36 mm	4
<b>126-205-05</b>	44 mm	5
<b>126-205-06</b>	52 mm	6



Finger Plates  
Quarter-tubular Plates

	Length	Holes
<b>126-217-03</b>	25 mm	3
<b>126-217-04</b>	33 mm	4
<b>126-217-05</b>	41 mm	5
<b>126-217-06</b>	49 mm	6
<b>126-217-07</b>	57 mm	7
<b>126-217-08</b>	65 mm	8

Profil: 8.0 x 2.5 mm  
Distance between holes: 8.0 mm

	Length	Holes
<b>126-125-07</b>	60 mm	7
<b>126-125-08</b>	68 mm	8
<b>126-125-09</b>	76 mm	9
<b>126-125-10</b>	86 mm	10
<b>126-125-12</b>	100 mm	12



**126-275-04**  
oblique left



**126-275-05**  
oblique right



**126-277-07**  
straight



**126-280-12**  
angled left 90°



**126-280-13**  
angled right 90°



**126-283-17**



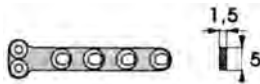
**15-410** Acetabulum Plates  
6 Holes 31mm  
for 1.5mm Screws



**15-415** Acetabulum Plates  
4 Holes 31mm  
for 2.7mm and 3.5mm Screws



**15-420** Acetabulum Plates  
6 Holes 31mm  
for 2.7mm and 3.5mm Screws



**15-425** Buttress Plates  
4 Holes 35mm  
for 2.0mm Screws

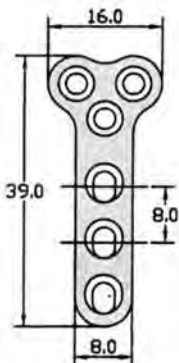


**15-430** Buttress Plates  
5 Holes 36mm  
for 2.0mm Screws

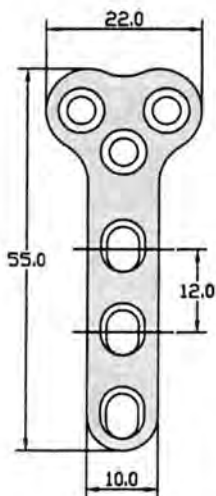


**15-435** Buttress Plates  
6 Holes 52mm  
for 2.0mm Screws

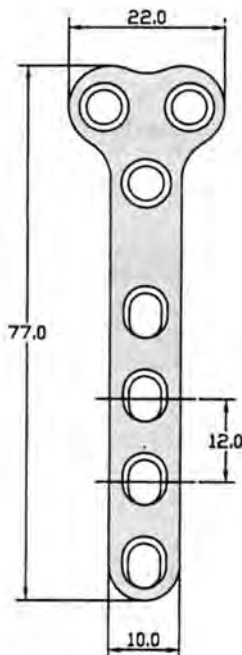
T-Plates  
for 2.7mm and 3.5mm Screws  
**15-440** 6 Holes  
**15-445** 6 Holes  
**15-450** 7 Holes



**15-440**



**15-445**



**15-450**



T-Plates  
for 2.7mm and 3.5mm Screws  
**15-455** 5 Holes  
**15-460** 7 Holes  
**15-465** 9 Holes



### Carpal Arthrodesis Plates



- 15-470**    Compression    2.0mm / 2.7mm
- 15-475**    Compression    2.7mm / 3.5mm
- 15-480**    Broad Compression 3.5mm / 3.5mm



Small Fragment Plates for 3.5 mm Screws  
 Profil 10 x 3mm Distance between Holes 12 and 16mm

	Length	Holes
<b>15-485</b>	25mm	2
<b>15-490</b>	37mm	3
<b>15-495</b>	49mm	4
<b>15-500</b>	61mm	5
<b>15-505</b>	73mm	6
<b>15-510</b>	85mm	7
<b>15-515</b>	97mm	8
<b>15-520</b>	109mm	9
<b>15-525</b>	121mm	10
<b>15-530</b>	145mm	12



Small Fragment Plates with DC gliding Holes  
 for Corticalis Screws 3.5mm and Cancellous 4.0mm

	Length	Holes
<b>15-535</b>	86mm	7
<b>15-540</b>	98mm	8
<b>15-545</b>	110mm	9
<b>15-550</b>	122mm	10
<b>15-555</b>	134mm	11
<b>15-560</b>	146mm	12
<b>15-565</b>	158mm	13
<b>15-570</b>	170mm	14
<b>15-575</b>	182mm	16
<b>15-580</b>	194mm	18
<b>15-585</b>	206mm	20
<b>15-590</b>	218mm	22



### Miscellaneous Implants



- 15-595**    Cut-to-Length Plates 2.0 / 1.5mm  
 Dimensions: 1.0mm x 7mm x 300mm, 50 Round Holes



- 15-600**    Cut-to-Length Plates 2.7 / 2.0mm  
 Dimensions: 1.5mm x 7mm x 300mm, 50 Round Holes



### Narrow Compression Plates



**Profile:** 12.0 x 3.8 mm  
**Distance between holes:** 16 and 25 mm

	Length	Holes		Length	Holes
<b>124-200-02</b>	39 mm	2	<b>124-200-10</b>	167 mm	10
<b>124-200-03</b>	55 mm	3	<b>124-200-11</b>	183 mm	11
<b>124-200-04</b>	71 mm	4	<b>124-200-12</b>	199 mm	12
<b>124-200-05</b>	87 mm	5	<b>124-200-13</b>	215 mm	13
<b>124-200-06</b>	103 mm	6	<b>124-200-14</b>	231 mm	14
<b>124-200-07</b>	119 mm	7	<b>124-200-15</b>	247 mm	15
<b>124-200-08</b>	135 mm	8	<b>124-200-16</b>	263 mm	16
<b>124-200-09</b>	151 mm	9			

### Broad Compression Plates



**Profile:** 16.0 x 4.8 mm  
**Distance between holes:** 16 and 25 mm

	Length	Holes		Length	Holes
<b>124-250-06</b>	103 mm	6	<b>124-250-13</b>	215 mm	13
<b>124-250-07</b>	119 mm	7	<b>124-250-14</b>	231 mm	14
<b>124-250-08</b>	135 mm	8	<b>124-250-15</b>	247 mm	15
<b>124-250-09</b>	151 mm	9	<b>124-250-16</b>	263 mm	16
<b>124-250-10</b>	167 mm	10	<b>124-250-17</b>	279 mm	17
<b>124-250-11</b>	183 mm	11	<b>124-250-18</b>	295 mm	18
<b>124-250-12</b>	199 mm	12			

### Semi- Tubular Plates



**Profile:** 12 x 1 mm  
**Distance between holes:** 16 and 25 mm

	Length	Holes		Length	Holes
<b>124-275-02</b>	39 mm	2	<b>124-275-07</b>	119 mm	7
<b>124-275-03</b>	55 mm	3	<b>124-275-08</b>	135 mm	8
<b>124-275-04</b>	71 mm	4	<b>124-275-09</b>	151 mm	9
<b>124-275-05</b>	87 mm	5	<b>124-275-10</b>	167 mm	10
<b>124-275-06</b>	103 mm	6	<b>124-275-11</b>	183 mm	11
			<b>124-275-12</b>	199 mm	12

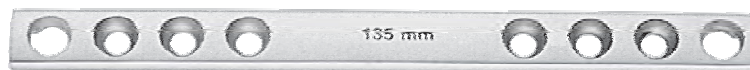


### Straight Plates



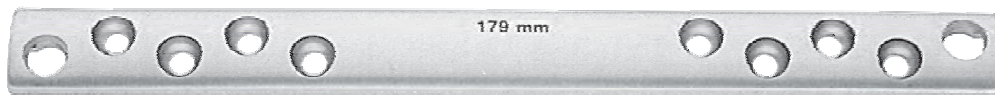
**Broad Lengthening Plates with 8 holes**

	Amount of Lengthening	Length
124-375-30	30 mm	135 mm
124-315-40	40 mm	145 mm
124-315-50	50 mm	155 mm
124-315-60	60 mm	165 mm



**Narrow Lengthening Plates with 8 holes**

	Amount of Lengthening	Length
124-390-30	30 mm	135 mm
124-390-40	40 mm	145 mm
124-390-50	50 mm	155 mm
124-390-60	60 mm	165 mm
124-390-70	70 mm	175 mm
124-390-80	80 mm	185 mm



**Broad Lengthening Plates with 10 holes**

	Amount of Lengthening	Length
124-395-50	50 mm	179 mm
124-395-60	60 mm	189 mm
124-395-70	70 mm	199 mm
124-395-80	80 mm	209 mm
124-395-90	90 mm	219 mm
124-395-91	100 mm	229 mm
124-395-92	110 mm	239 mm
124-395-93	120 mm	249 mm



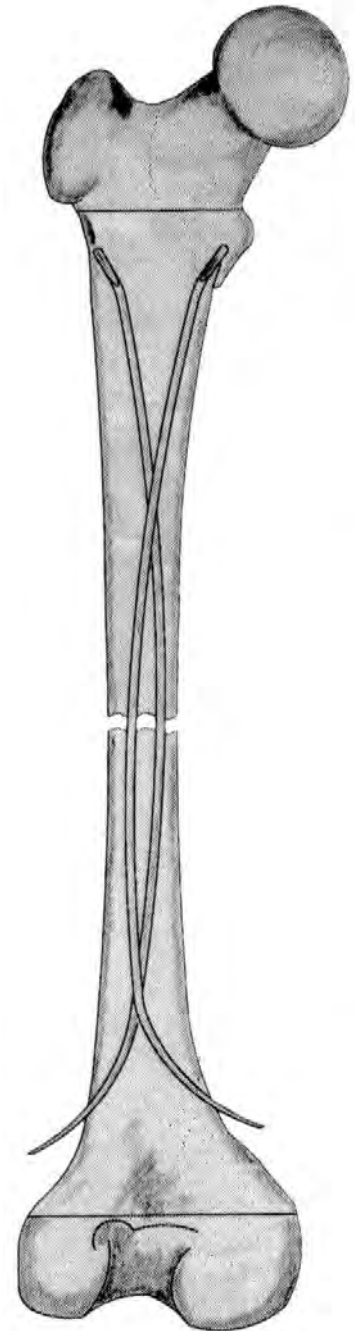
### Intramedullary Gliding Nails



Stainless Steel DIN ISO 5832-1	
15-605	1.5 x 150mm
15-610	1.5 x 400mm
15-615	2.0 x 200mm
15-620	2.0 x 400mm
15-625	2.5 x 250mm
15-630	2.5 x 400mm
15-635	3.0 x 300mm
15-640	3.0 x 400mm
15-645	3.5 x 350mm
15-650	3.5 x 400mm

**Protective Caps available according to diameter of Nail**

- 15-655     ∅ 1.5mm
- 15-660     ∅ 2.0mm
- 15-665     ∅ 2.5mm
- 15-670     ∅ 3.0mm
- 15-675     ∅ 4.0mm
- 15-680     ∅ 4.5mm
- 15-685     ∅ 5.0mm





## Trocar with Slotted Sleeve for Implantation of Medullary Gliding Nails


- 15-695** Trocar for 3.5 - 5.0mm Nails
- 15-700** Trocar for 1.5 - 3.5mm Nails



Impactor for all diameters of Gliding Nails

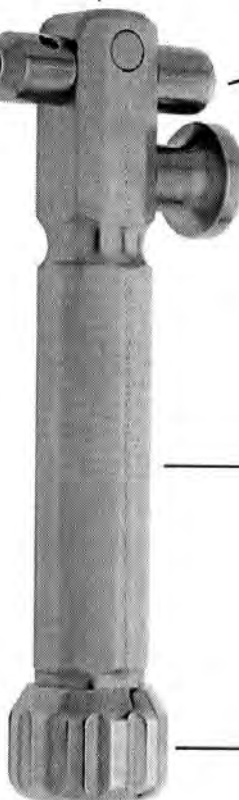
Centering Sleeve

Impactor Head



Centering Sleeves for diameter

<b>15-705</b>	1.5 - 2.0mm
<b>15-710</b>	2.5 - 3.0mm
<b>15-715</b>	3.5 - 5.0mm



Handle

Fixation Screw

**15-720** Impactor



**130-155-13** Extraction Pliers for boring wire 130 mm  
**130-155-18** Extraction Pliers for boring wire 180 mm



**15-725** Extraction Pliers for Intramedullary Guiding Nails



**100-915-16** Pfriem, AWL 160mm SS Hollow Handle



**100-922-16** Perthes, 160 mm  
**100-922-22** Perthes, 220 mm



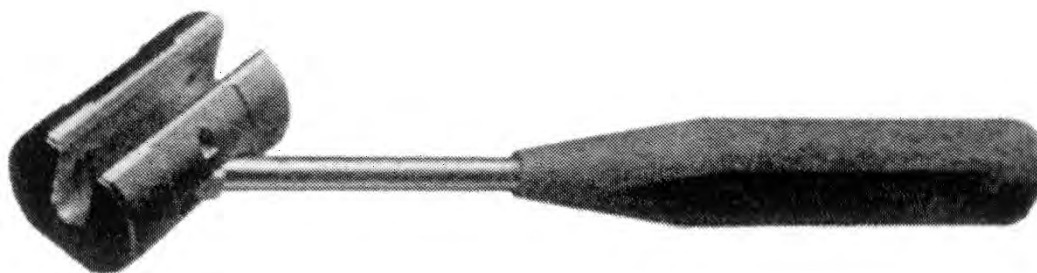
**100-040-01** Jacob's Chuck with T-Handle and key  
**100-040-09** Jacob's Chuck only  
**100-042-05** Key for Jacob's Chuck



**15-730** Nail Impactor " 1.5 - 2.5mm  
**15-735** Nail Impactor " 2.5 - 3.0mm  
**15-740** Nail Impactor " 3.5 - 5.0mm



**15-745** Bone Hammer / Weight approximatly : 350 Grams



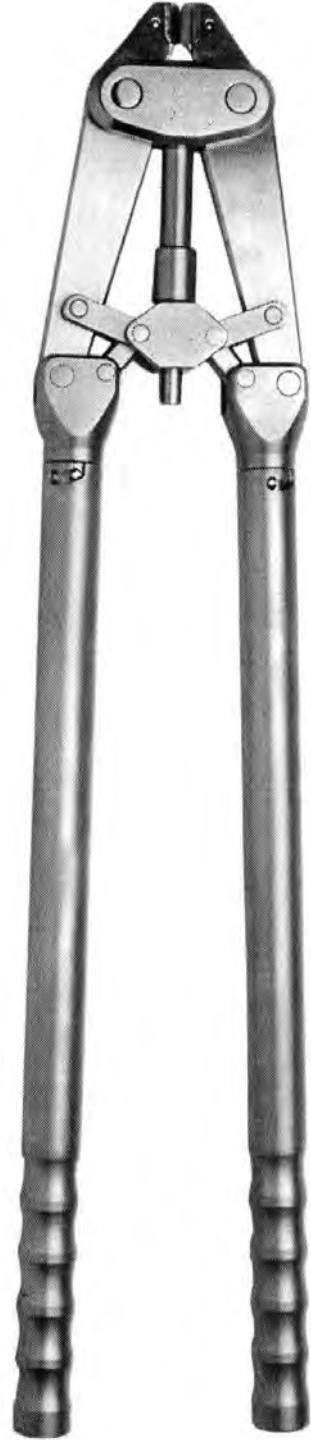
**15-750** Slotted Hammer



**130-220-25**  
Wire Cutter 220 mm TC  
soft wire 3.0 mm  
hard wire 2.5 mm



**15-755**  
Hard Wire Cutter 3.5mm  
260mm



**15-760**  
Hard Wire Cutter 6mm



### Kirschner Wires



Point	Trocar	Trocar
Shaft End	Round	Trocar
Length	310mm	310mm
“ 1.0mm	<b>15-9010</b>	<b>15-9110</b>
“ 1.2mm	<b>15-9012</b>	<b>15-9112</b>
“ 1.4mm	<b>15-9014</b>	<b>15-9114</b>
“ 1.5mm	<b>15-9015</b>	<b>15-9115</b>
“ 1.6mm	<b>15-9016</b>	<b>15-9116</b>
“ 1.8mm	<b>15-9018</b>	<b>15-9118</b>
“ 2.0mm	<b>15-9020</b>	<b>15-9120</b>
“ 2.2mm	<b>15-9022</b>	<b>15-9122</b>
“ 2.5mm	<b>15-9025</b>	<b>15-9125</b>
“ 3.0mm	<b>15-9030</b>	

Point	Trocar	Trocar	Trocar
Shaft End	Round	Round	Trocar
Length	70mm	150mm	150mm
“ 0.8 mm	<b>15-9308</b>	<b>15-9408</b>	<b>15-9508</b>
“ 1.0 mm	<b>15-9310</b>	<b>15-9410</b>	<b>15-9510</b>
“ 1.2 mm		<b>15-9412</b>	<b>15-9512</b>
“ 1.4 mm		<b>15-9414</b>	<b>15-9514</b>
“ 1.5 mm	<b>15-9315</b>	<b>15-9415</b>	<b>15-9515</b>
“ 1.6 mm		<b>15-9416</b>	<b>15-9516</b>
“ 1.8 mm		<b>15-9418</b>	<b>15-9518</b>
“ 2.0 mm		<b>15-9420</b>	<b>15-9520</b>
“ 2.2 mm		<b>15-9422</b>	<b>15-9522</b>
“ 2.5 mm	<b>15-9325</b>	<b>15-9425</b>	<b>15-9525</b>
“ 3.0 mm		<b>15-9430</b>	



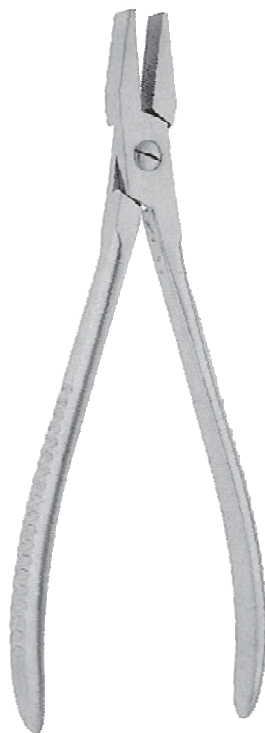
**Kirschner Wires with thread and trocar points, Round End**



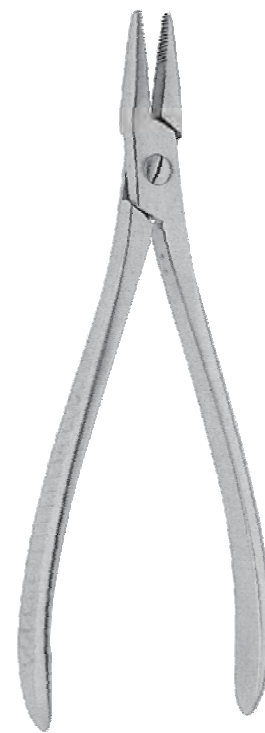
	Diameter	Length	Threaded Length
<b>15-9616</b>	1.6mm	150mm	5mm
<b>15-9617</b>	1.6mm	150mm	15mm
<b>15-9618</b>	2.0mm	150mm	15mm
<b>15-9619</b>	2.0mm	200mm	15mm
<b>15-9620</b>	2.5mm	200mm	15mm
<b>15-9621</b>	2.5mm	200mm	20mm



**130-175-50** Bending Iron for Kirschner Wires



**130-178-20** Pliers with serrated jaws and groove  
**130-178-25** Pliers with serrated jaws without groove



**130-180-18** Rounded Pliers with serrated jaws



### Wire Drill Dispenser

Easy to transport and storage

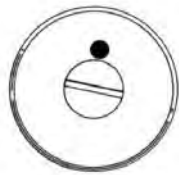


Wire Length	Wire " 0.8 mm	Wire " 1.0 mm	Wire " 1.2 mm	Wire " 1.4 mm	Wire " 1.6 mm	Wire " 2.0 mm	Wire " 2.2 mm	Wire " 2.5 mm
16.0 cm	<b>15-9708</b>	<b>15-9710</b>	<b>15-9712</b>	<b>15-9714</b>	<b>15-9716</b>	<b>15-9720</b>	<b>15-9722</b>	<b>15-9725</b>
31.0 cm	<b>15-9808</b>	<b>15-9810</b>	<b>15-9812</b>	<b>15-9814</b>	<b>15-9816</b>	<b>15-9820</b>	<b>15-9822</b>	<b>15-9825</b>



**15-905**

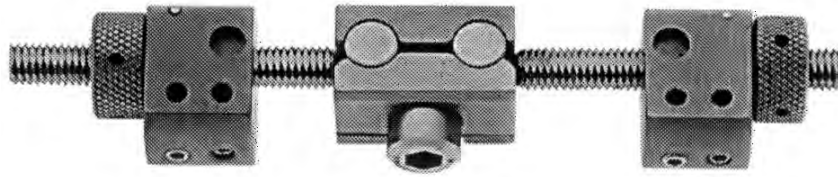
This specially designed dispenser holds four different wire gauges  
1.0 / 1.2 / 1.4 / and 1.6mm, each 10cm long.



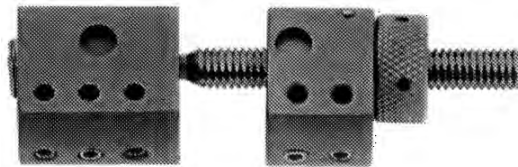
Wire Drill Dispenser



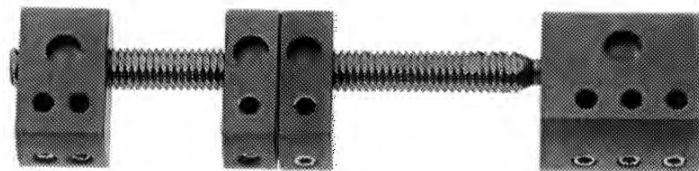
**15-910** Vickers Easidriver



15-925 TREUFIX No. I



15-930 TREUFIX No. II



15-335 TREUFIX No. III



15-940 Kirschner Wire with thread and trocar point " 1.8mm, 70mm long, 30mm thread

15-945 Kirschner Wire with thread and trocar point " 1.6mm, 70mm long, 30mm thread



**Small External Fixater Set**



**100-003-20** Drill Bit 2.0 mm  
**100-003-25** Drill Bit 2.5 mm



**145-502-07** Combination Wrench,  
width across flats, 7 mm



**145-507-07** Socket Wrench,  
Width across flats, 7 mm



**145-510-48** Drill Sleeve complete



**145-512-50** Drill sleeve 5.0 / 4.0 mm



**145-513-40** Drill sleeve 5.0 / 4.0 mm



**145-514-27** Trokar,  $\varnothing$  2.7 mm



Connecting bars, 4.0 mm diam.  
Stainless steel

- 145-550-06** 60 mm
- 145-550-08** 80 mm
- 145-550-10** 100 mm
- 145-550-12** 120 mm
- 145-550-14** 140 mm
- 145-550-16** 160 mm
- 145-550-18** 180 mm
- 145-550-20** 200 mm



**145-565-02** Clamp Open 2.5 - 5.0 mm  $\varnothing$



**145-568-04** Clamp 2.5 - 5.0 mm  $\varnothing$



**145-572-05** Open Compressor



**145-575-07** Spring loaded Nut



### Schanz Screw for External Fixation



- 15-950**      Shaft " 2.4 mm  
                   Threaded " 3.2 mm  
                   Length 100 mm
- 15-955**      Shaft " 3.2 mm  
                   Threaded " 4.0 mm  
                   Length 120 mm
- 15-960**      Shaft " 4.0 mm  
                   Threaded " 4.8 mm  
                   Length 150 mm



- 15-965**      Shaft " 2.4 mm  
                   Threaded Central " 3.2 mm  
                   Length 100 mm
- 15-970**      Shaft " 3.2 mm  
                   Threaded Central " 4.0 mm  
                   Length 120 mm
- 15-975**      Shaft " 4.0 mm  
                   Threaded Central " 4.8 mm  
                   Length 150 mm



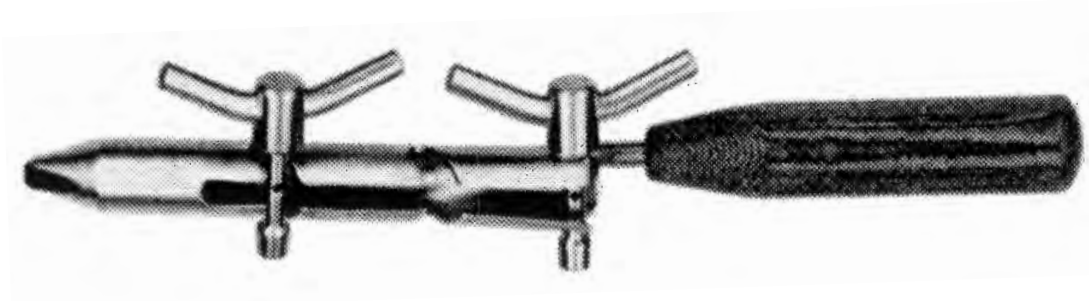
**Cerclage wire soft, in coils of 10 meter**

∅mm	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.2	1.5
Gauge	31	29	27	25	23	22	21	20	19	18	17
Cat. No.:	130-010-02	130-010-03	130-010-04	130-010-05	130-010-06	130-010-07	130-010-08	130-010-09	130-010-10	130-010-12	130-010-15

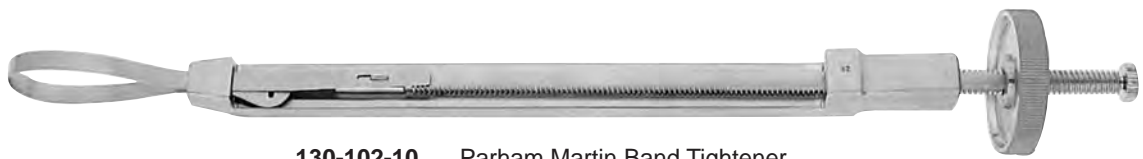


**Cerclage wire with eye, soft**

	Diameter	Length
<b>130-012-08</b>	0.8 mm	280 mm
<b>130-012-10</b>	1.0 mm	280 mm
<b>130-012-12</b>	1.2 mm	280 mm
<b>130-014-10</b>	1.0 mm	600 mm
<b>130-014-12</b>	1.2 mm	600 mm



**130-133-33** Wire Tightener



**130-102-10** Parham Martin Band Tightener

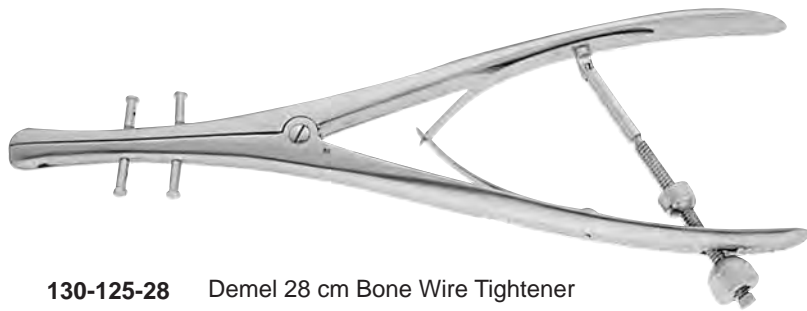


**130-102-19** Parham Metal Bone Bands 19 cm x 0.5 mm



**130-122-22** Loute 22 cm Bone Wire Tightener

---



**130-125-28** Demel 28 cm Bone Wire Tightener

---



**130-128-30** Wire Tightener

---



**130-145-45** Wire Guide 45 mm

---



**130-145-70** Wire Guide 70 mm



**130-150-18** Extraction Pliers for wire 180 mm  
**130-152-18** Extraction Pliers TC jaws



**130-155-13** Extraction Pliers for boring wire 130 mm  
**130-155-18** Extraction Pliers for boring wire 180 mm



**130-168-18** Flat-nosed Pliers, parallel, with lateral wire cutter, 180 mm Stainless Steel



**130-170-18** Vise Grip 180 mm Stainless Steel  
**130-170-20** Vise Grip 200 mm Stainless Steel  
**130-170-24** Vise Grip 240 mm Stainless Steel



### Extraction Instruments



**130-162-20** Extraction Pliers,  
200 mm TC



**130-160-19** Extraction Pliers,  
190 mm TC



**130-172-18** Wire Tightening  
Pliers T/C 180 mm



**130-190-10** Wire Bending Cutting  
Pliers soft wire 1.5 mm  
Hard Wire 1.0 mm



**130-200-10** Universal Scissors  
**130-200-12** Universal Scissors  
with TC cutting edges



**130-208-10** Wire Bending Pliers  
soft Wire 1.5 mm  
Hard Wire 1.0 mm



**130-203-15** Wire Cutter T/C



**130-214-12** Wire Cutter  
soft wire 2.0 mm  
Hard wire 1.2 mm



### Wire Cutters



**130-218-15** T/C 180 mm  
Soft wire 2.0 mm  
Hard wire 1.5 mm



**130-220-25** Wire Cutter 220 mm T/C  
Soft wire 3.0 mm  
Hard wire 2.5 mm



**130-224-15** 180 mm frontal and lateral cutting action T/C  
Soft wire 2.0 mm  
Hard wire 1.5 mm



**130-240-08** Wire Cutter 140 mm TC  
Soft wire 1.2 mm  
Hard wire 0.8 mm



**130-242-22** Wire Cutter 220 mm TC  
Soft Wire 2.5 mm  
Hard Wire 2.2 mm



**Diamond Pin Cutter**



**15-980** Wire Cutter  
Hard Wire 2.0mm



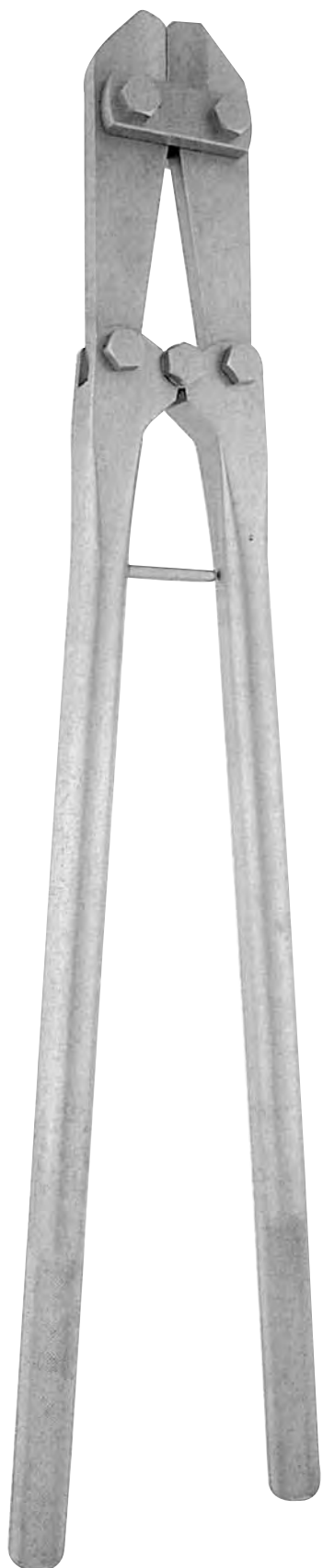
**15-985** Wire Cutter  
Cannulated 180mm  
Soft Wire 2.4mm  
Hard Wire 1.6mm



**15-990** Wire Cutter T/C  
Hard Wire 1.2mm



## Wire Cutter



### **130-246-60**

Cutter for cutting of Kirschner wires  
Sreinmann Pins up to 6 mm Ø Hard  
460 mm T/C

### **130-254-60**

Cutter for cutting of Kirschner wires  
Sreinmann Pins up to 6 mm Ø Hard  
540 mm T/C



### Staples - Chrome Cobalt Molybden



- 128-250-06**     6 mm
- 128-250-08**     8 mm
- 128-250-11**     11 mm
- 128-250-14**     14 mm



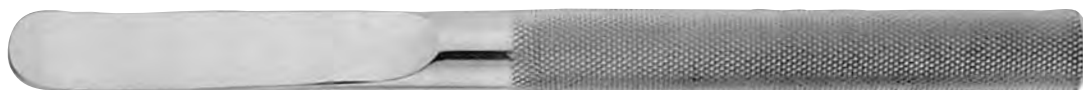
**128-270-18**     Impactor



- 128-002-16**     Barbed Staples 8.7 x 16 x 2 mm
- 128-002-19**     Barbed Staples 8.7 x 19 x 2 mm
- 128-002-22**     Barbed Staples 8.7 x 22 x 2 mm
- 128-002-25**     Barbed Staples 8.7 x 25 x 2 mm



	Diameter	Width	Length
<b>128-015-22</b>	1.5 mm	22 mm	19 mm
<b>128-015-16</b>	1.5 mm	16 mm	19 mm
<b>128-025-22</b>	2.5 mm	22 mm	19 mm
<b>128-025-16</b>	2.5 mm	16 mm	19 mm



**128-130-25**     Staples Extractor



**128-132-16**     Staples Driver



**128-134-19**     Staples Inserter



### Drill Bit and Tap Handles



**100-040-01** Jacob's Chuck with T-Handle and key (Complete)

---



**100-040-02** T-Handle

---



**100-042-05** Key for Jacob's Chuck

---



**100-040-09** Jacob's Chuck only



### Drill Bit and Tap Handles



**Drill Bits**

Size	Round Shaft	AO Coupling
1.1mm	100-001-11	100-003-11
1.5 mm	100-001-15	100-003-15
2.0 mm	100-001-20	100-003-20
2.5 mm	100-001-25	100-003-25
2.7 mm	100-001-27	100-003-27
3.2 mm	100-001-32	100-003-32
3.2 mm(long)	100-001-32L	100-003-32L
3.5 mm	100-001-35	100-003-35
3.5 mm(long)	100-001-35L	100-003-35L
4.5 mm	100-001-45	100-003-45
4.5 mm(long)	100-001-45L	100-003-45L



**Taps**

Size	T-Handle	AO Coupling
1.5 mm		
2.0 mm		
2.7 mm	100-011-27	100-013-27
3.5 mm(cortical)	100-011-35	100-013-35
3.5 mm(cancellous)	100-011-35D	100-013-35D
4.0 mm	100-011-40	100-013-40
4.5 mm(short thread)	100-011-45	100-013-45
4.5 mm(long thread)	100-011-45D	100-013-45D
6.5 mm	100-011-65	100-013-65



**15-995**

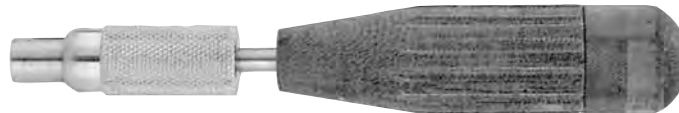
T-Bar for Screws



### Drill Bit and Tap Handles



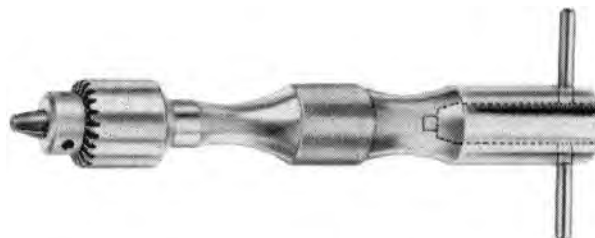
**100-030-11** Handle for dental Coupling



**100-032-32** Fiber Handle for AO Coupling



**100-034-02** T-Handle for AO Coupling



**16-100** T-Handle Chuck and Key  
Fully Cannulated  
Accept items up to diameter of 4.5mm



### Instruments for Screw Fixation



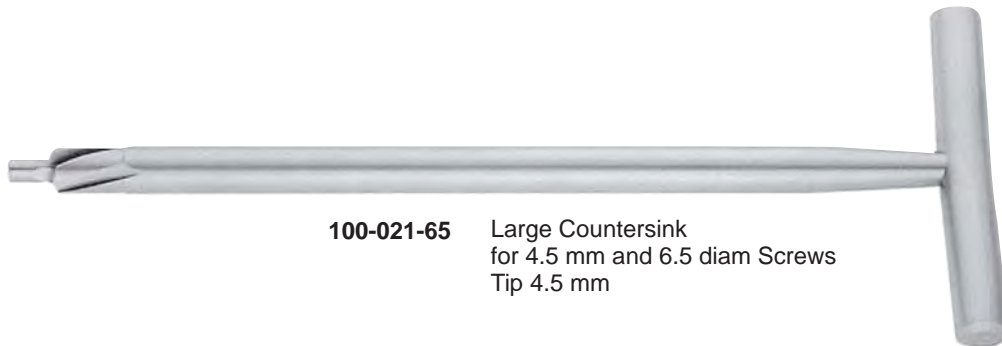
**100-021-15** Mini Countersink  
for 1.5 mm Screws 2.00 mm Diam Tip 1.1 mm



**100-021-27** Small Countersink  
for 2.7, 3.5 mm and 4.0 mm Screws Tip 2.0 mm



**100-021-45** Malleolar Countersink  
Tip 3.2 mm



**100-021-65** Large Countersink  
for 4.5 mm and 6.5 diam Screws  
Tip 4.5 mm



**100-070-15** Depth Gauge for 1.5 mm and 2.0 mm screws  
**100-070-35** Depth Gauge for 2.7 mm and 4.0 mm screws  
**100-070-45** Depth Gauge for 4.5 mm and 6.5 mm screws



**100-073-16** Sharp Hook



**100-072-02** Screw Forcep



**Screw Drivers / Instruments for Screw Fixation**



**100-051-20** Screw Driver single head



**100-052-48** Screw Driver philips head



**100-053-10** Screw Driver slotted head



**A**



**B**



**C**



**D**



- 100-055-01** A Screw Driver Williams for Phillips Head
- 100-055-03** B Screw Driver Williams for Slotted Head
- 100-055-04** C Screw Driver Williams for Single Head
- 100-055-06** D Screw Driver Williams for Hexagonal Head 3.5 mm



Hexagonal Head

Size of screws	Head Size	Fiber-Handle	AO Coupling	Dental Coupling
1.5mm	1.5mm	<b>100-061-15</b>	<b>100-063-15</b>	<b>100-064-15</b>
2.0mm				
2.7mm	2.5mm	<b>100-061-25</b>	<b>100-063-25</b>	
3.5mm				
4.0mm				
4.5mm	3.5mm	<b>100-061-35</b>	<b>100-063-35</b>	
6.5mm				



**100-065-15** Holding Sleeve 1.5 mm



**100-065-25** Holding Sleeve 2.5 mm



**Instruments for Screw Fixation / Drill Sleeves / Drill Guides**



**100-101-11** Mini Drill Sleeve for 1.1 mm and 1.5 mm drill bits  
**100-101-15** Mini Drill Sleeve for 1.5 mm and 2.0 mm drill bits



**100-103-20** Drill Guide and drill sleeve for 2.0 mm drill bit



**100-105-27** Tap Sleeve, 2.0 mm Ø  
 Drill Sleeve, 2.7 mm Ø  
**100-105-35** Tap Sleeve, 2.5 mm Ø  
 Drill Sleeve, 3.5 mm Ø



**100-107-20** Neutral and Load Drill Guide, 1.5 mm for 2.0 mm Screws  
**100-107-27** Neutral and Load Drill Guide, 2.0 mm for 2.7 mm Screws  
**100-107-35** Neutral and Load Drill Guide, 2.5 mm for 3.5 mm Screws  
**100-107-45** Neutral and Load Drill Guide, 3.2 mm for 4.5 mm Screws



**100-112-35** Tap Sleeve, 3.5 mm  
 also for used as 3.2 mm drill Guide



**100-115-45** Tap Sleeve, 4.5 mm



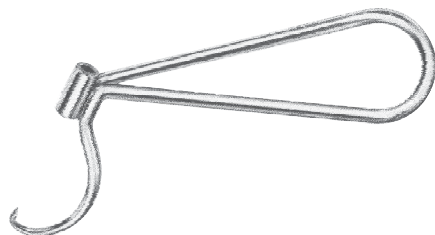
**100-118-32** Drill sleeve 3.2 mm for Round Hole Plates



**Instruments for Screw Fixation / Drill Sleeves / Drill Guides**



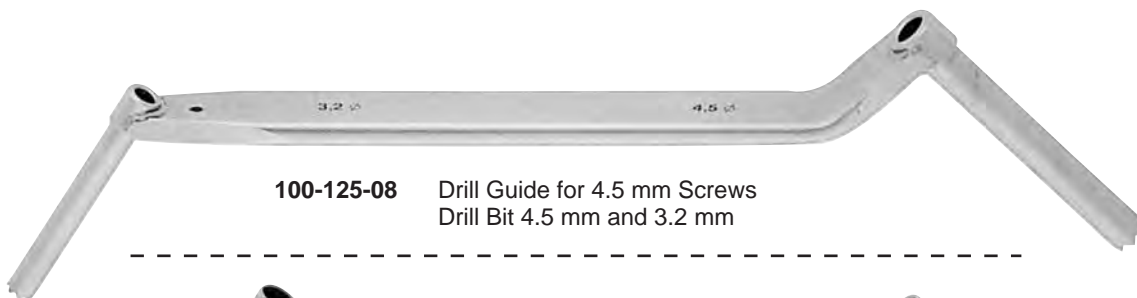
- 100-120-27** Insert Drill Sleeve 2.7 / 2.0 mm Drill Bit 2.0 mm
- 100-120-35** Insert Drill Sleeve 3.5 / 2.5 mm Drill Bit 2.5 mm
- 100-120-45** Insert Drill Sleeve 4.5 / 3.2 mm Drill Bit 3.2 mm



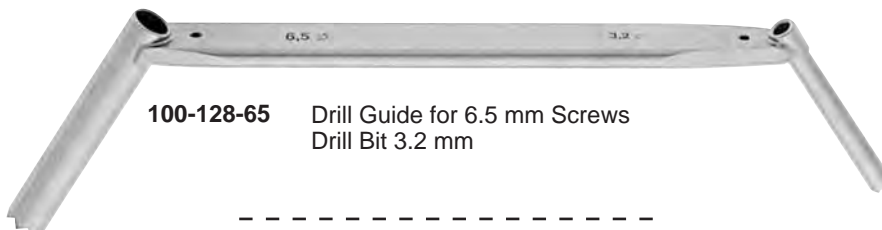
**100-122-35** Small Pointed Drill for Drill Bit 3.5 mm



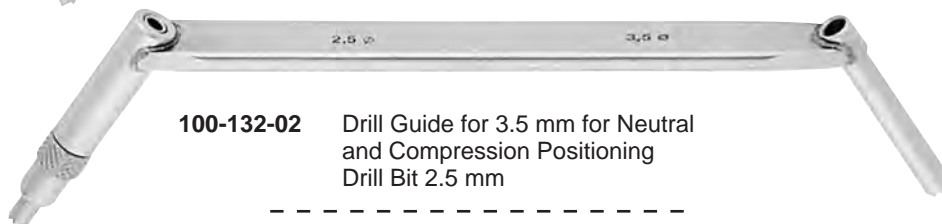
**100-123-58** Pointed Drill Guide 6.5 mm



**100-125-08** Drill Guide for 4.5 mm Screws  
Drill Bit 4.5 mm and 3.2 mm



**100-128-65** Drill Guide for 6.5 mm Screws  
Drill Bit 3.2 mm



**100-132-02** Drill Guide for 3.5 mm for Neutral and Compression Positioning  
Drill Bit 2.5 mm



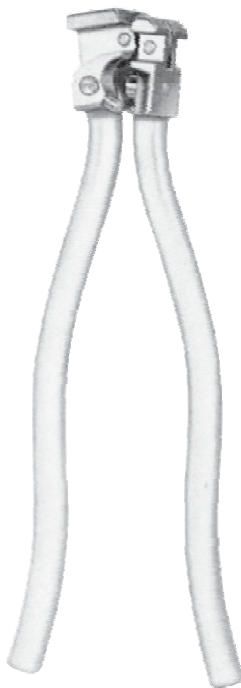
**100-135-45** C - Clamp Drill Guide with thread for Drill Bit 4.5 mm



- 190-110-45** Bending Templates for curved Reconstruction Plates 4.5 mm
- 190-112-45** Bending Templates for straight Reconstruction Plates 4.5 mm
- 190-114-35** Bending Templates for curved Reconstruction Plates 3.5 mm
- 190-116-35** Bending Templates for straight Reconstruction Plates 3.5 mm



**100-093-45** Bending Iron for 3.5 mm and 4.5 mm Plates



**100-093-35** Bending Pliers for 2.7 mm and 3.5 mm Plates



**190-130-15** Osteotomy Chisels 304 mm, 15 mm  
**190-130-20** Osteotomy Chisels 304 mm, 20 mm



### Bending Instruments for Plates



**100-090-01** Bending Iron for Mini Plates



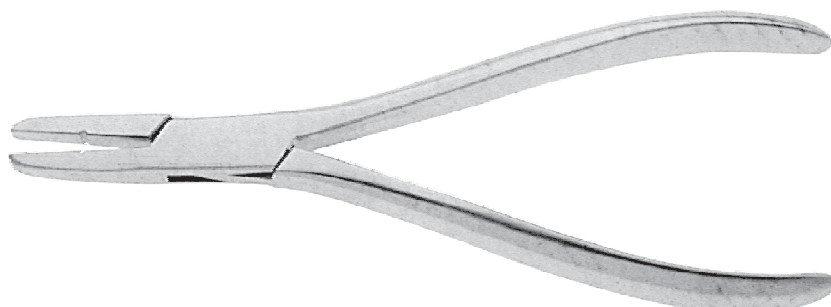
**100-090-02** Bending Irons for small plates to be used as a pair



**100-090-03** Bending Irons for small plates to be used as a pair



**16-105** Bending Pliers for 2.7 and 3.5mm Plates, 24cm  
**16-110** Bending Pliers for 1.0 and 2.0mm Plates, 20cm



**100-092-15** Bending Pliers for 1.5 and 2.0 mm Plates



**100-092-27** Bending Pliers for 2.7 and 3.5 mm plates



**Self - Centering Bone Holding Forceps With Thread Lock**



**Kern**  
**100-182-16** 160 mm with ratchet  
**100-182-21** 210 mm with ratchet  
**100-183-16** 160 mm without ratchet  
**100-183-21** 210 mm without ratchet



**Lane**  
**100-178-33** 330 mm  
**100-178-45** 450 mm



**16-115** Farabeuf-Lambotte Bone Holding Forceps  
 260mm with Ratchet  
**16-120** Farabeuf-Lambotte Bone Holding Forceps  
 260mm without Ratchet

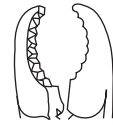


**Lambotte**  
**100-191-22** 220 mm  
**100-191-27** 270 mm  
**100-191-33** 330 mm



**Self-Centering Bone Holding Forceps with Thread Lock**

- 100-215-15** For small fragments 150 mm, jaw 9 mm
- 100-215-19** Size 0, 190 mm, extra small jaw 10 mm
- 100-215-24** Size 1, 240 mm, extra small jaw 14 mm



**100-220-19** Ulrich  
Straight 190 mm



**100-200-14** Verbrugge 175 mm



**100-298-16** Reduction Forceps with  
Thread Lock 160 mm



**100-240-20**  
Semb 200 mm

**100-240-30**  
Semb 200 mm with Ratchet



**100-278-13**  
Reduction Forceps  
for small fragments 135 mm



**100-284-14**  
Forceps with Ratchet  
Fixation 145 mm



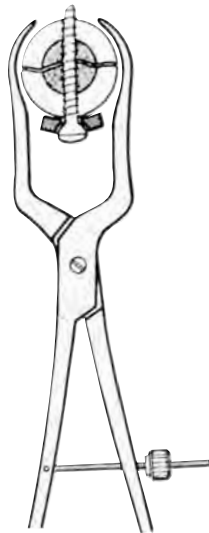
**100-270-17**  
Reil, 170 mm



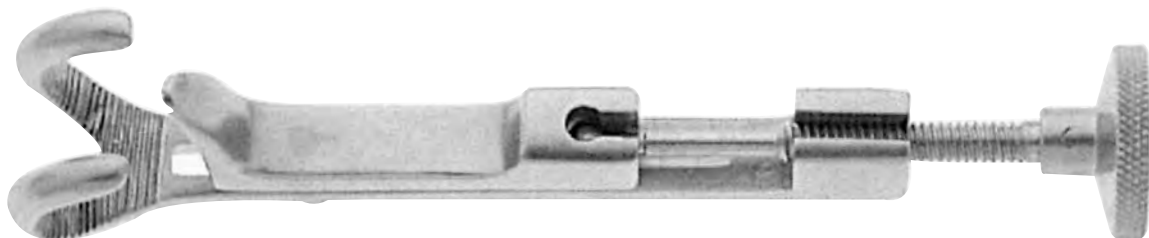
**100-280-13**  
Holding Forceps for  
Mini 135 mm



**100-295-23** Reposition Forceps 230 mm



**100-298-16** Reduction Forceps  
**100-298-24** 160 mm with Thread Lock  
240 mm with Thread Lock



**100-325-13** Lowmann Bone Clamp 130 mm  
**100-325-18** Lowmann Bone Clamp 185 mm  
**100-325-30** Lowmann Bone Clamp 300 mm



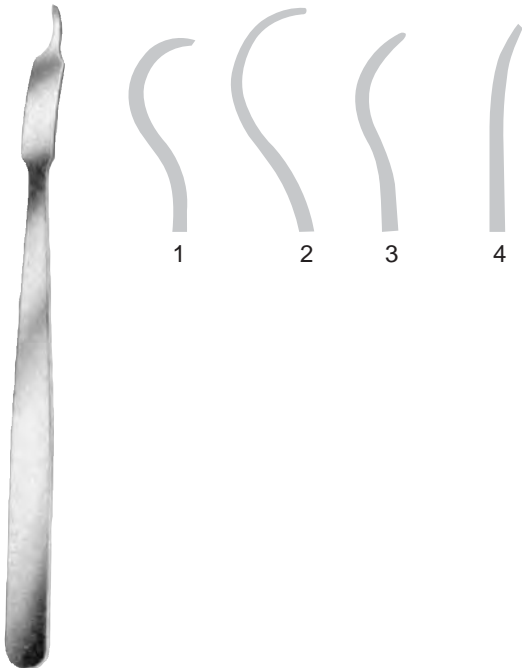
**100-221-26** Ulrich 260 mm



Ulrich  
**100-220-19** 190 mm  
**100-220-23** 230 mm  
**100-220-25** 250 mm  
**100-220-28** 280 mm



**Standard Retractors**



**Fig. 1 100-352-06** Periosteal Elevator 175 mm  
For Metacarpals Small  
6 mm width

**Fig. 2 100-352-10** For Metacarpals Medium  
10 mm width

**Fig. 3 100-352-45** Light Curve, Rounded End,  
5 mm width

**Fig. 4 100-352-50** Contra Angled Curve  
4.5 mm width



**100-358-06**  
Small, width 6 mm  
short, narrow tip



**100-360-08**  
Small, width 8 mm  
short, narrow tip



**100-364-15**  
For Small Fragments  
Board Shank



**100-368-08**  
Width 8 mm  
short, narrow tip



**100-374-18** Width 18 mm short,  
narrow tip

**100-376-18** Width 18 mm long,  
narrow tip



**100-376-43** Width 43 mm  
narrow tip

**100-376-70** Width 70 mm  
narrow tip



**100-378-43**  
Width 43 mm  
long shank, angled



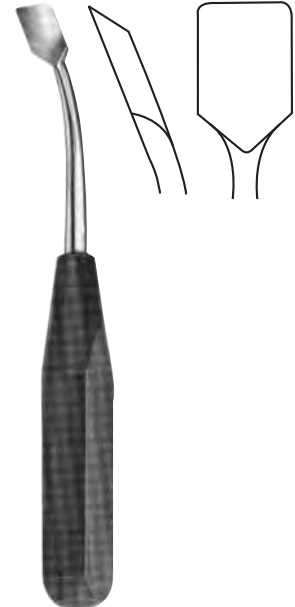
**Periosteal Elevators**



**100-725-14**  
Medium straight blade  
round edge, width 14 mm



**100-727-14**  
Medium curved blade  
round edge, width 14 mm



Medium Blade  
Straight Edge, 14 mm  
**100-728-14** Straight 185 mm  
**100-729-14** Curved 185 mm



**100-732-14**  
large straight blade  
round edge, width 20 mm



**100-735-06**  
Small curved blade  
round edge, width 6 mm



**100-740-06**  
Small curved blade  
straight edge, width 6 mm



**100-742-03**  
Extra small curved blade  
round edge, width 3 mm



**Chisels / Gouges / Osteotomes**



**100-650-00** Chisel Handle



- 100-650-05** Chisel Blade 5 mm
- 100-650-10** Chisel Blade 10 mm
- 100-650-16** Chisel Blade 16 mm
- 100-650-25** Chisel Blade 25 mm



Mini- Lamboffe

- 100-640-02** 170 mm length 2 mm width
- 100-640-05** 170 mm length 5 mm width
- 100-640-10** 170 mm length 10 mm width



**100-650-40**  
Wrench for Chisel Handle



- 100-680-05** Straight 5 mm
- 100-680-10** Straight 10 mm
- 100-680-15** Straight 15 mm
- 100-681-05** Curved 5 mm
- 100-681-10** Curved 10 mm
- 100-681-15** Curved 15 mm



- 100-656-10** Flat 10 mm
- 100-656-15** Flat 15 mm
- 100-656-20** Flat 20 mm
- 100-656-25** Flat 25 mm



- 100-657-10** Hollow 10 mm
- 100-657-15** Hollow 15 mm
- 100-657-20** Hollow 20 mm
- 100-657-25** Hollow 25 mm



**Chisels / Gouges / Osteotomes**



**Hoke 13.5cm**  
 16-125 3mm  
 16-130 5mm  
 16-135 6mm  
 16-140 8mm  
 16-145 9mm



**Lucas 16cm**  
 16-150 3mm  
 16-155 5mm



**Lucas 16cm**  
 16-160 4mm  
 16-165 6mm



**13.5cm**  
 16-170 8mm  
 16-175 10mm  
 16-180 12mm  
 16-185 14mm  
 16-190 16mm



**13.5cm**  
 16-195 8mm  
 16-200 10mm  
 16-205 12mm  
 16-210 14mm  
 16-215 16mm



**13.5cm**  
 16-220 8mm  
 16-225 10mm  
 16-230 12mm  
 16-235 14mm  
 16-240 16mm



**Chisels / Gouges / Osteotomes**



**Partsch**

 2 mm <b>100-625-02</b> 135 mm	 5 mm <b>100-625-05</b> 135 mm	 2 mm <b>100-626-02</b> 170 mm	 5 mm <b>100-626-05</b> 170 mm	
 3 mm <b>100-625-03</b> 135 mm	 6 mm <b>100-625-06</b> 135 mm	 3 mm <b>100-626-03</b> 170 mm	 6 mm <b>100-626-06</b> 170 mm	
 4 mm <b>100-625-04</b> 135 mm				 4 mm <b>100-626-04</b> 170 mm



**Alexander 180 mm**

 4 mm <b>100-628-04</b>	 8 mm <b>100-628-08</b>	 12 mm <b>100-628-12</b>
 6 mm <b>100-628-06</b>	 10 mm <b>100-628-10</b>	 14 mm <b>100-628-14</b>



**Lambotte**

<b>100-642-10</b>	Straight 10 mm	<b>100-643-10</b>	Curved 10 mm
<b>100-642-15</b>	Straight 15 mm	<b>100-643-15</b>	Curved 15 mm
<b>100-642-20</b>	Straight 20 mm	<b>100-643-20</b>	Curved 20 mm
<b>100-642-25</b>	Straight 25 mm	<b>100-643-25</b>	Curved 25 mm
<b>100-642-30</b>	Straight 30 mm	<b>100-643-30</b>	Curved 30 mm
<b>100-642-38</b>	Straight 38 mm	<b>100-643-38</b>	Curved 38 mm
<b>100-642-44</b>	Straight 44 mm	<b>100-643-44</b>	Curved 44 mm
<b>100-642-50</b>	Straight 50 mm	<b>100-643-50</b>	Curved 50 mm



**Stille**

	<b>Chisels</b>		<b>Osteotome</b>
<b>100-635-10</b>	10 mm	<b>100-636-10</b>	10 mm
<b>100-635-12</b>	12 mm	<b>100-636-12</b>	12 mm
<b>100-635-15</b>	15 mm	<b>100-636-15</b>	15 mm
<b>100-635-20</b>	20 mm	<b>100-636-20</b>	20 mm
<b>100-635-25</b>	25 mm	<b>100-636-25</b>	25 mm



### Chisels / Periosteal Raspatories



**100-775-18** Langenbeck 180 mm



**100-778-19** Langenbeck 190 mm



**100-782-10** Lambotte 10 mm  
**100-782-15** Lambotte 15 mm  
**100-782-20** Lambotte 20 mm



**100-784-14** Farabeuf



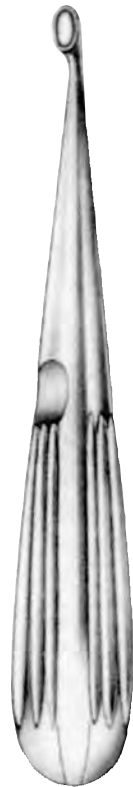
**100-785-14** Farabeuf



Periosteal Raspator  
**100-788-05** 5 mm  
**100-788-06** 6 mm  
**100-788-07** 7 mm



**Bone Cutettes**



- Fig. 0000  
**100-801-40**
- Fig. 000  
**100-801-30**
- Fig. 00  
**100-801-20**
- Fig. 0  
**100-801-10**
- Fig. 1  
**100-801-01**
- Fig. 2  
**100-801-02**
- Fig. 3  
**100-801-03**
- Fig. 4  
**100-801-04**
- Fig. 5  
**100-801-05**

Spratt



- Fig. 0000  
**100-804-40**
- Fig. 000  
**100-804-30**
- Fig. 00  
**100-804-20**
- Fig. 0  
**100-804-10**
- Fig. 1  
**100-804-01**
- Fig. 2  
**100-804-02**
- Fig. 3  
**100-804-03**
- Fig. 4  
**100-804-04**
- Fig. 5  
**100-804-05**
- Fig. 6  
**100-804-06**

Bruns



### Amputation Retractor and Saws



100-882-27 Charriere 27 cm  
100-882-30 Charriere 30 cm



100-885-35 Charriere 35 cm



100-886-31 Satterlee 31 cm



100-890-01 Percy Retractor



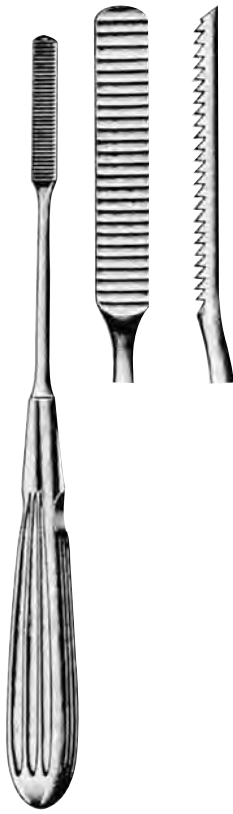
- 100-870-30** Gigli Saw, stainless 300 mm
- 100-870-40** Gigli Saw, stainless 400 mm
- 100-870-50** Gigli Saw, stainless 500 mm
- 100-870-70** Gigli Saw, stainless 700 mm



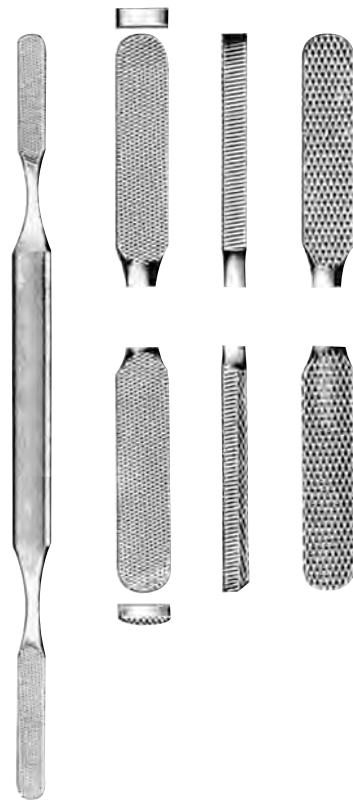
**100-873-02** Gigli Handle



**100-879-31** De Martel 31 cm, Saw Guide



**150-308-01**  
Cottle, 210 mm



**150-312-11**  
Cottle, 210 mm



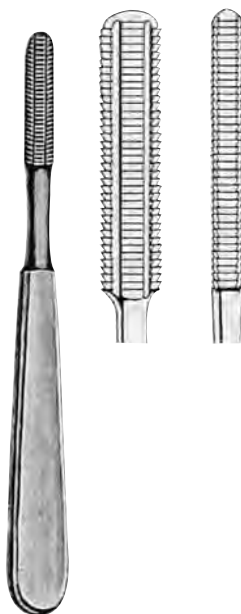
Aufricht  
210 mm



**150-315-03**



**150-315-04**



**150-318-18**  
Maltz, 180 mm



Lewis, 180 mm

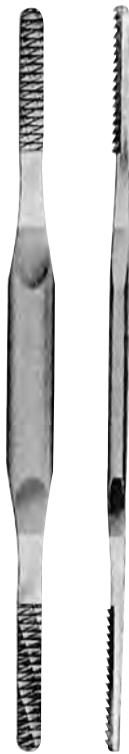


**150-322-03**  
fine

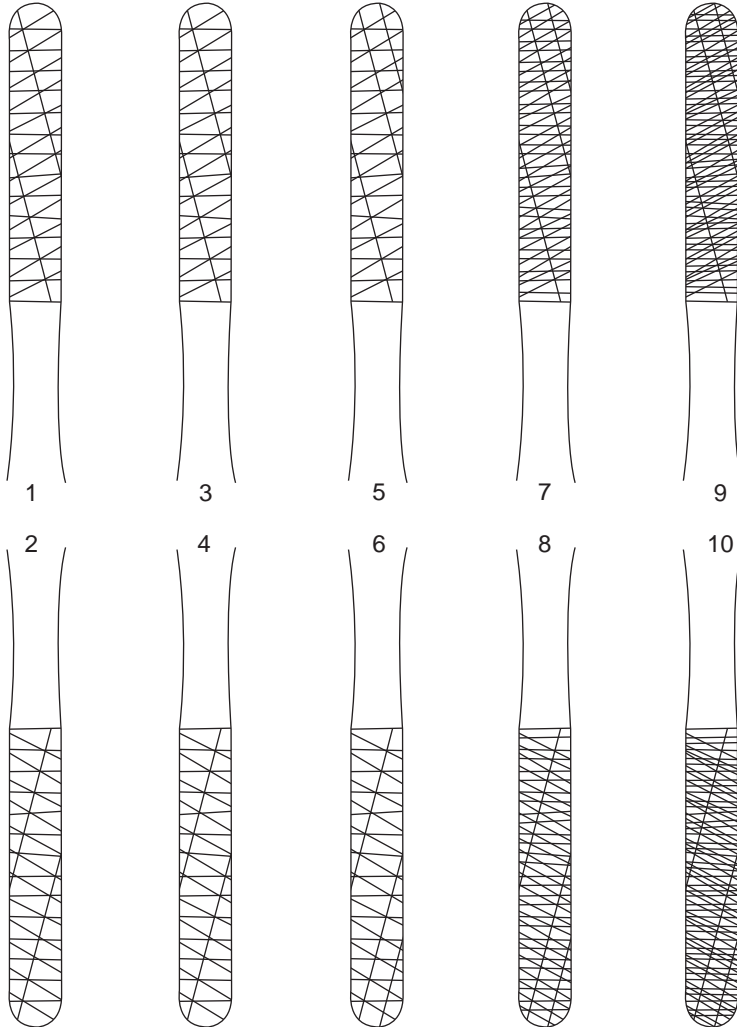


**150-322-04**  
coarse





Fomon, 200 mm



150-325-01

150-325-03

150-325-05

150-325-07

150-325-09



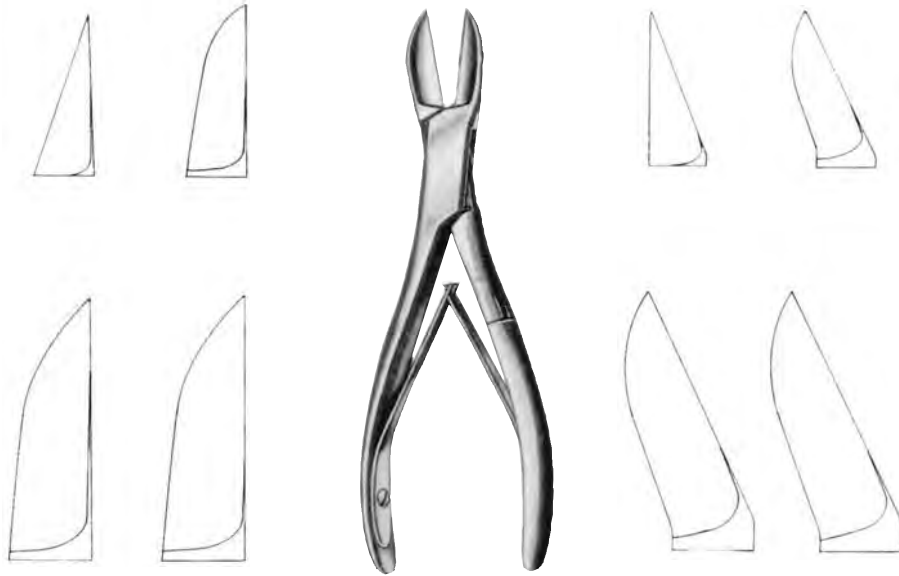
100-935-38 Putti, 280 mm



100-938-30 Putti, 300 mm



**Bone Cutting Forceps**



- 102-010-14** 140 mm straight
- 102-010-17** 170 mm straight
- 102-010-19** 190 mm straight
- 102-010-22** 220 mm straight

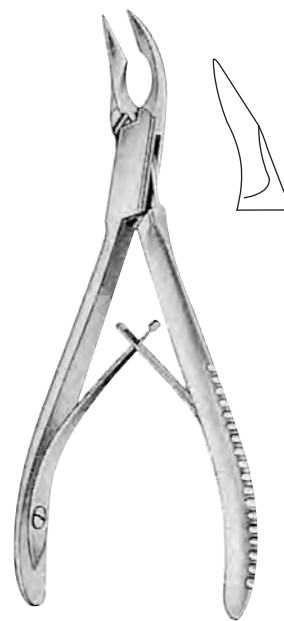
- 102-011-14** 140 mm curved
- 102-011-17** 170 mm curved
- 102-011-19** 190 mm curved
- 102-011-22** 220 mm curved

Liston Bone Cutting Forceps

---



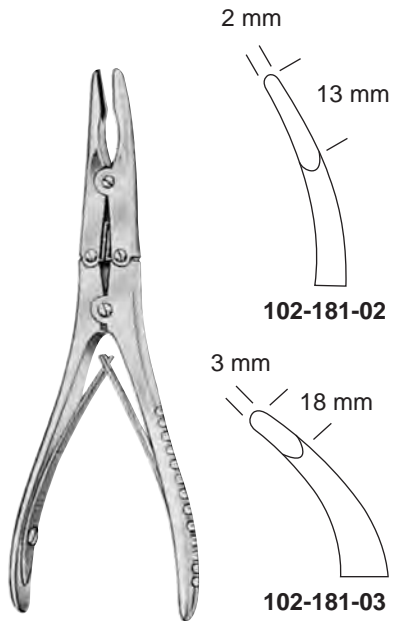
**102-030-27** Stille Horsley 270 mm



**102-005-15** Cleveland, 150 mm



**Bone Rongeurs**



**Kleinert-Kutz**  
150 mm



**102-230-15**  
**Ruskin-Mini**  
150 mm



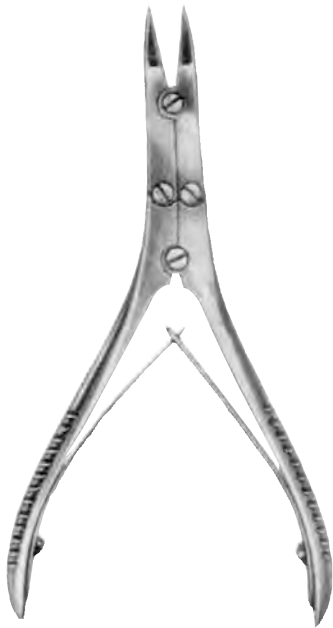
**102-219-03** Beyer, 180 mm



**102-231-07** Ruskin, 180 mm



**102-235-19** Zaufal-Jansen, 190 mm



**102-020-15** Bohler 150 mm straight  
**102-021-15** Bohler 150 mm curved



**102-025-19** Ruskin-Liston 190 mm straight  
**102-026-19** Ruskin-Liston 190 mm curved



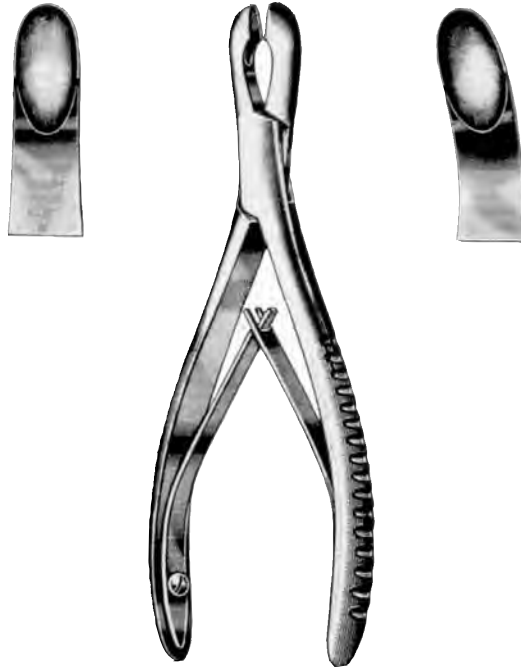
**102-037-27** Stille-Liston 270 mm straight  
**102-038-27** Stille-Liston 270 mm curved



**102-033-27** Stille Semb 270 mm



### Bone Rongeur Forceps



102-207-17 Luer 170 mm straight  
102-208-17 Luer 170 mm curved



102-215-19 Lempert 190 mm straight  
102-216-19 Lempert 190 mm curved



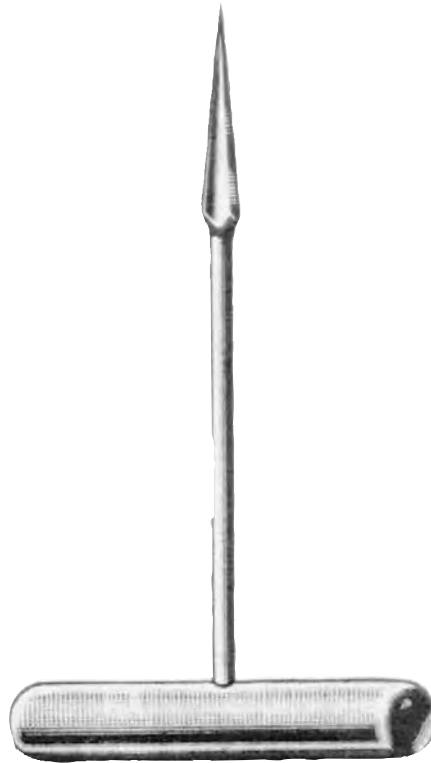
102-219-03 Beyer Rongeur, curved



**Awls and Files**



**100-915-16** 160 mm



**100-917-15** 150 mm



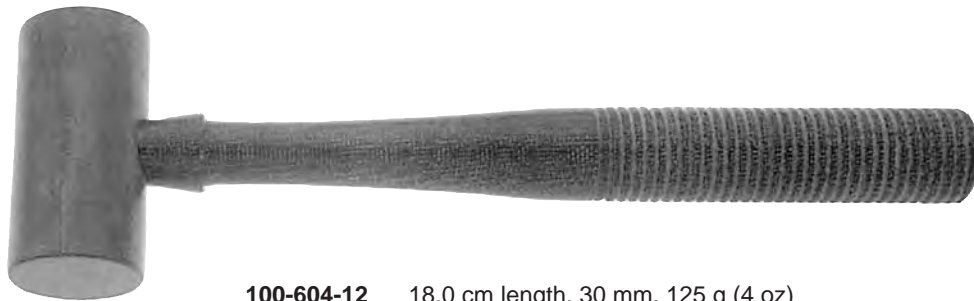
**100-922-16** Perthes, 160 mm  
**100-922-22** Perthes, 220 mm



**Bone Hammers**



- 100-602-35** Weight approx:350 g
- 100-602-50** Weight approx:500 g(standard size)
- 100-602-70** Weight approx:700 g (For Medullary Nailing)



- 100-604-12** 18,0 cm length, 30 mm, 125 g (4 oz)
- Material Ferozell can be sterilized in an autoclave at 3 bar overpressure (143°C)



- 100-609-25** 42 mm, 250 mm
- Material Ferozell can be sterilized in an autoclave at 3 bar overpressure (143°C)



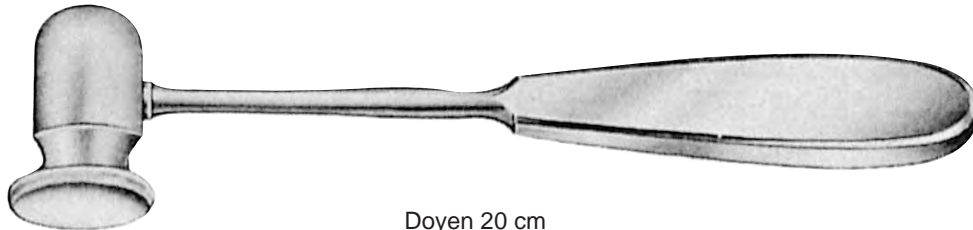
- 100-612-21** 30 mm / 215 g
- with interchangeable Plastic disks 250 mm
- 100-613-02** Pair of spare disks



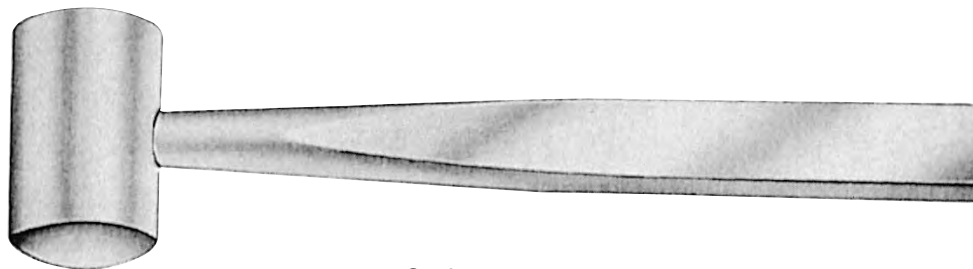
### Bone Hammers



**100-580-26** Williger 24 cm  
Ø26 mm, 300 gr.  
**100-580-28** Ø28 mm, 340 gr.  
**100-580-30** Ø30 mm, 400 gr.



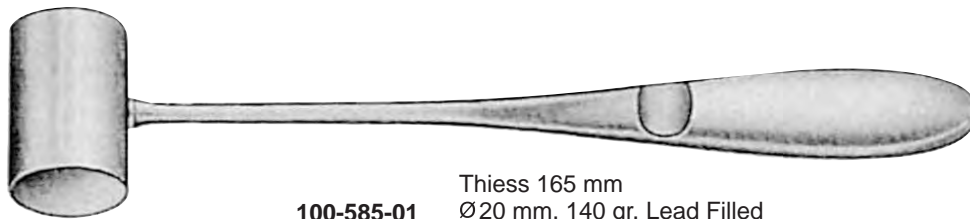
**100-582-25** Doyen 20 cm  
Ø25 mm, 120 gr.  
**100-582-30** Ø30 mm, 180 gr.  
**100-582-35** Ø35 mm, 260 gr.



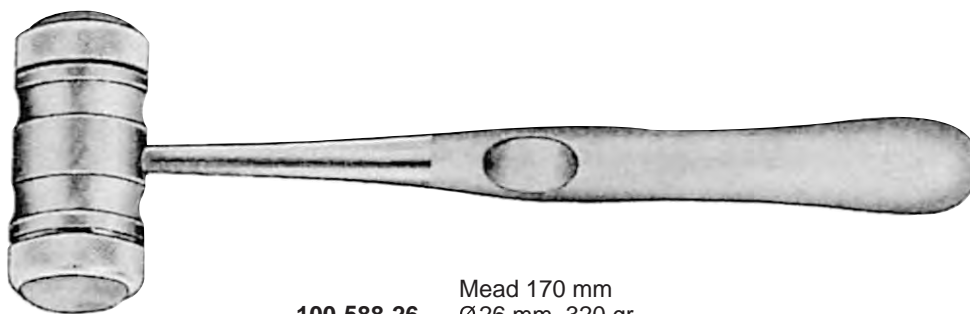
**100-583-19** Cottle 190 mm  
240 gr.



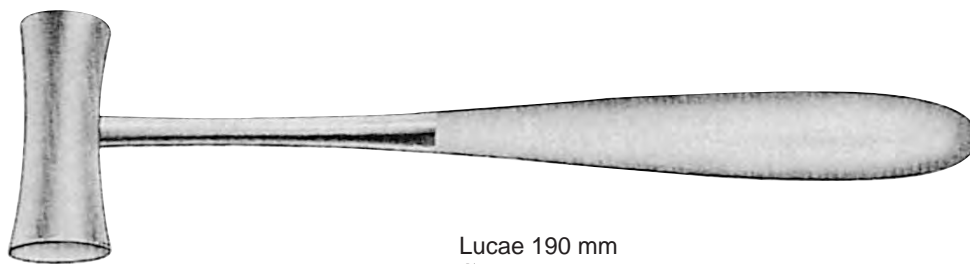
### Bone Hammers



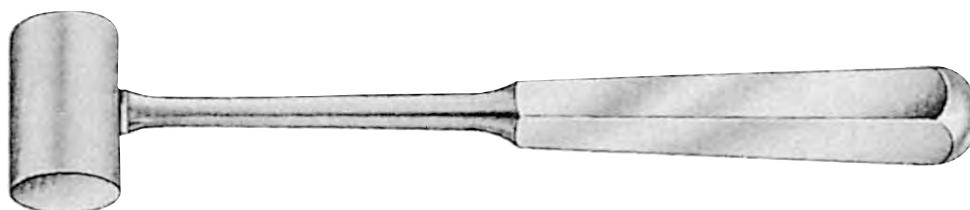
Thies 165 mm  
**100-585-01** Ø20 mm, 140 gr. Lead Filled  
**100-585-02** Ø20 mm, 140 gr. Brass Solid



Mead 170 mm  
**100-588-26** Ø26 mm, 320 gr.



Lucae 190 mm  
**100-590-19** Ø19 mm, 230 gr.  
**100-590-25** Ø25 mm, 260 gr.



Partsch 180 mm  
**100-592-22** Ø22 mm, 200 gr.



**Universal Bone Drills**



**100-045-03 Ralk**  
Hand Drill light metal case and laterally angled handle, with 3 - jaw chuck and key, opening up to 6.35 mm diameter



**100-045-01 Bunnell**  
with channel for k-wires up to 3 mm diam.



**16-245** Wrench / Key



**100-046-21 Ralk**  
6.35 mm capacity, 2 to 1 gear ratio  
Connulated



Lid Perforated



Cat. No.:	L (mm)	B (mm)	H (mm)
196-024-40	300	140	40
196-024-70	300	140	70

**Tray For Container**



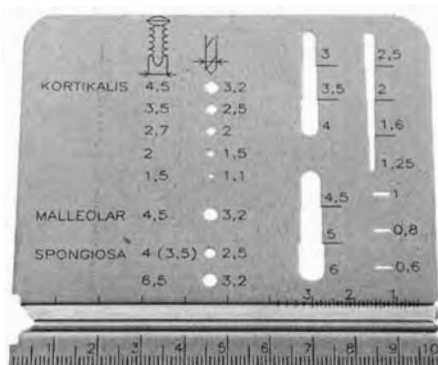
Lid Perforated



Cat. No.:	L (mm)	B (mm)	H (mm)
196-028-40	300	140	40
196-028-70	300	140	70



DSA-16-250 Aluminum Case (without racks)



16-255 Measuring Gauge for Screws



- 16-260 Rack for  $\varnothing$  1.5 mm Screws
- 16-265 Rack for  $\varnothing$  2.0 mm Screws
- 16-270 Rack for  $\varnothing$  2.7 mm Screws
- 16-275 Rack for  $\varnothing$  3.5 mm 1.25 Pitch Screws
- 16-280 Rack for  $\varnothing$  3.5 mm 1.75 Pitch Screws
- 16-285 Rack for  $\varnothing$  4.0 mm Screws (half Threaded)
- 16-290 Rack for  $\varnothing$  4.0 mm Screws (full Threaded)
- 16-295 Rack for  $\varnothing$  4.5 mm Screws



18/10  
Stainless Steel

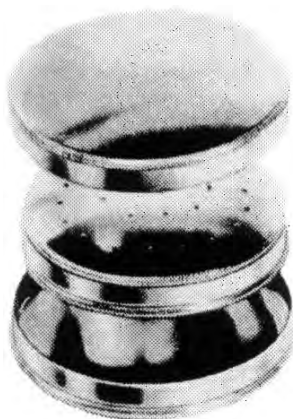


**16-300** Sauerbruch 210 x 125 x 17 mm

Instrument Cases



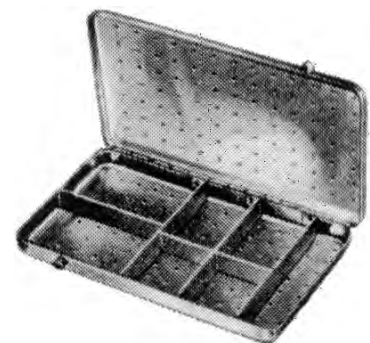
- 16-305** 165 x 90 x 35
- 16-310** 200 x 100 x 50
- 16-315** 220 x 150 x 50
- 16-320** 260 x 150 x 50
- 16-325** 305 x 205 x 50



**16-330** 65 x 15 mm



**16-335**



**16-340** 150 x 95 x 13 mm



**Plaster Instruments**



**194-195-23** Lorenz  
23,0 cm



**194-200-19** Lister  
Exentric 19,0 cm



**194-215-20** 20,0 cm



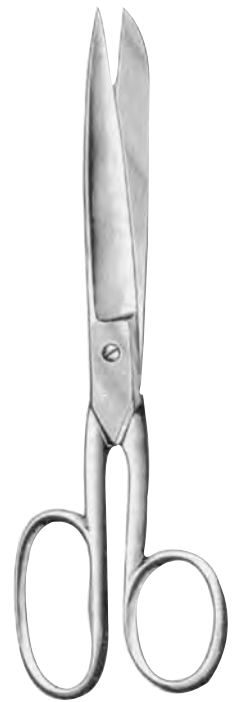
**194-223-23** Bergmann  
23,0 cm



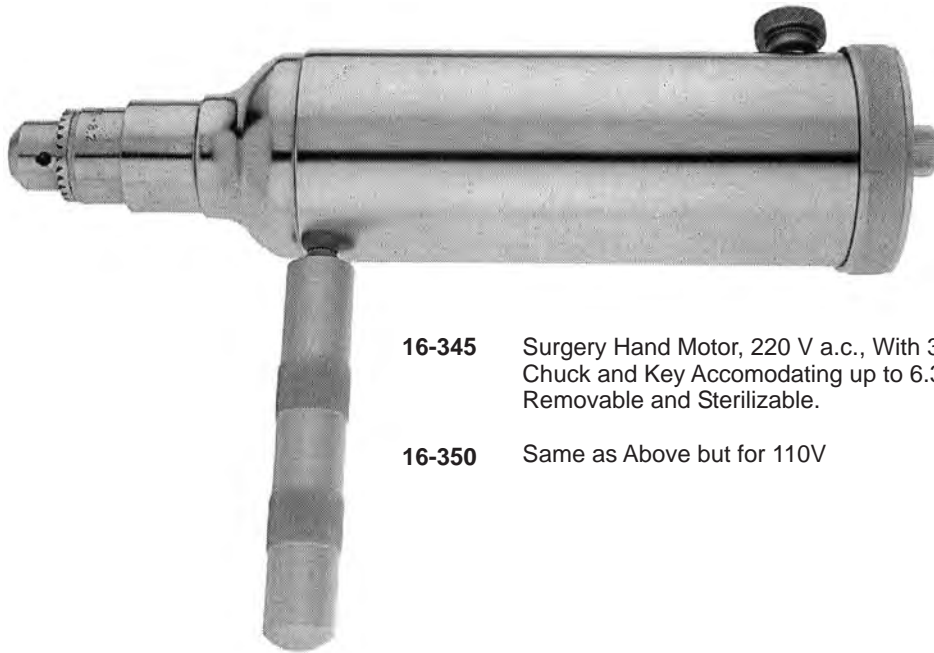
**194-230-14** Lister 140 mm  
**194-230-18** 180 mm  
**194-230-20** 200 mm



**194-155-14**  
Knowles  
140 m m



**194-240-19** Smith Mod USA 18,0 cm  
**194-240-20** 20,0 cm  
**194-240-23** 23,0 cm



**16-345** Surgery Hand Motor, 220 V a.c., With 3 - Jaw Chuck and Key Accomodating up to 6.35mm, Removable and Sterilizable.

**16-350** Same as Above but for 110V



**16-355** Adjustable Handle Hand Drill, Stainless Steel, Equipped with an Original Jakobs Chuck and Key, Can be Used with or without the Key, 280mm.



**16-360** Adjustable Handle Hand Drill, Stainless Steel, As Above, but Equipped with an Original Jakobs Chuck and Key, Can be Used with or without the Key, 280mm.