

PERFORMANCE **O.R.**

Orthopedic Surgical Instruments



www.PerformanceOR.com
651.789-0660 tel.
877.698.5131 tel.
651.698.2083 fax

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Background/Mission

Performance O.R., Orthopedic Surgical Instruments originated as Performance Medical, Inc., surgical instrument distributor in the Upper Midwest since 1994. The need for quality instruments, superior customer service, and value are important requirements for an instrument company in today's changing marketplace. Performance O.R. instruments are exceptional because we focus on these three areas.

Quality- German-made instruments are the industry "Gold" standard for precision, reliability, durability, consistency and value. In the disciplines of orthopedics and spinal surgery, these instrument characteristics are essential. Our instruments are retracting, securing, sculpting, dissecting, holding, cutting or excising bone (or tissue). In order to perform well under these circumstances, Performance O.R. is committed to the very best quality instruments for the surgeon and staff of the operating room.

Customer Service- We know how important flexibility, friendliness, transparency, response, quality control and a "sense of urgency" is to our customers. We encourage a direct link to purchasers of our instruments. We will strive to provide the best communication to our customer regarding placing orders, availability, order status, delivery and freight costs. We have made sure our systems (returns, warranty, quality assurance etc) are focused on working easily for the customer because you are our primary concern.

Value- Performance O.R. Instruments must provide value to our customers through: quality instruments which lasts longer, knowledge of the instrument industry and process, commitment to keep our costs low and competitive prices.

These three core principles represent our commitment to provide our customers with honest, timely and accurate service and to provide products which improve health and help heal.

Guarantee

All standard instruments are guaranteed for life against manufacturing defects of material and workmanship. Any instrument proving to be defective will be replaced or the purchase price refunded.

1. Tungsten carbide inserts are guaranteed for three years. Replaceable parts, such as springs, are guaranteed for one year.
2. This guarantee is void if instruments are altered or not maintained or replaced properly or if they are not used for their intended surgical purpose.
3. Any unused instruments may be returned for full credit within 90 days of invoice date.

Returns

Contact your Performance O.R. representative to confirm address for returns. Be sure to package instruments securely to protect against damage during transit.

We cannot accept the following for credit or refund:

1. Instruments not in original condition.
2. Instruments which have been used in surgery.
3. Instruments with an invoice date of more than 180 days.
4. Custom-made, custom-marked, special orders or altered instruments.
5. K-Wires, Steinmann Pins, Cerclage Wire.

Reprocessing Surgical Instruments

In Accordance with ISO 17664 (for a guide containing detailed instructions for the correct handling of surgical instruments from the Instrument Preparation Working Group, go to www.a-k-i.org)

Product	Surgical Instruments	
Warnings / Precautions	Instruments are provided non-sterile. Proper cleaning and sterilization is required before use. Disassemble or open instruments prior to cleaning and sterilization. Instruments cleaned within 30 minutes is recommended to minimize potential for drying prior to cleaning. Saline solutions or solutions containing chlorine, bromine or iodine etc. should not be used to clean or soak instruments. Long narrow cannulations or drill holes require particular attention during cleaning.	
Limitations on Processing	Neutral pH enzymatic and cleaning agents are recommended. Repeated processing has minimal effect on these instruments. End of life is normally determined by wear and damage due to use.	
Instructions		
Preparation at Point of Use	Remove excess soil from instruments with disposable cloth/paper wipe. Place instruments in cold water or cover with damp cloth to minimize potential for drying. Fixating detergents/disinfectants are not recommended.	
Containment	Follow hospital protocols regarding contamination risk when containing and transporting instruments. It is recommended that instruments are reprocessed as soon as possible following use.	
Preparation for Cleaning	Articulating instruments should be opened and instruments with parts should be disassembled prior to processing.	
Pre-Cleaning:	Not required	Not required
Cleaning	Manual Cleaning: - Rinse instruments in water to remove all visible soil. - Submerge instruments in enzymatic detergent solution using brush to remove visible soil in holes, lumens and hinges etc. with appropriate brushes for deep cleaning. - Rinse instruments thoroughly for 3 minutes with clean running water. Ensure that water passes through holes and lumens repeatedly.	Automated Cleaning: - At least 1 minutes pre-rinse with cold water 3 minutes enzymatic wash between 48°-65°C 3 minutes neutralizing wash between 48°-65°C 2 minutes warm water rinse - Follow washing machine manufacturer's instructions
Disinfection	Manual Disinfection: - Submerge instruments in a disinfectant detergent according to manufacturer's recommendations - Rinse instruments in distilled/deionized water for 3 minutes and thoroughly flush lumens, holes and other difficult to reach areas.	Automated Disinfection: 1 minutes final rinse at 90 degrees C
Drying:	Manual Drying: - Dry instruments with clean, absorbent lint-free towel or wipe - Dry lumens, holes etc of instruments with compressed air.	Automated Drying: 10 minutes at 110°C - Check holes, cannulations, box locks etc. for complete removal of visible soil - Dry manually if needed and dry lumens and holes etc of instruments with compressed air.
Maintenance:	Apply surgical lubricant to instrument hinges	
Inspection/Functional Testing	Inspect instruments to ensure all soil is removed. Visually inspect for damage or wear. Cutting edges should be free of nicks with a continuous edge. Check hinges and box-locks for smooth movement. Check ratchets for proper action. Check instruments with long slender features for distortion. Re-assemble instrument parts so that components assemble properly and function smoothly when re-assembled	
Packaging	Single Instruments: Use proper packaging material, large enough to contain the instrument without stressing the seals, when packaging an instrument singly.	In sets: Instruments can be loaded into dedicated instrument trays or general purpose sterilization trays. Properly protect delicate instruments or cutting instruments and do not exceed 11.4 kg/25lbs per tray.
Sterilization	Minimum steam sterilization temperatures and times for wrapped instruments are:	
	Prevacuum: 270°F/ 132°C Exposure: 4 minutes Drying time: 30 minutes	Gravity Displacement: 250°F/137°C Exposure: 30 minutes Drying time: 45 minutes
Storage	A sterilized instrument stored in a clean, dry, dust free environment is recommended.	
Additional Information	It is the user's responsibility to ensure reprocessing follows department, institution and manufacturer recommendations.	

SOFT TISSUE INSTRUMENTS



SECTION **A**

CONTENTS

Scalpel Handles

Super Cuts/Scissors

Hemostatic Forceps

Towel/Sponge Forceps

Tissue/Dressing Forceps

Needle Holders

Soft Tissue Instruments - Scalpel Handles

Scalpel Handle #3

290-58
5"

290-59
mm and cm
graduations

#3L
290-61
extra long
8 1/2"



For blades 10 through 15

Scalpel Handle #4

290-60 5 1/4"



For blades 20 through 25

Scalpel Handle #7

290-62 6 1/2"



For blades 10 through 15

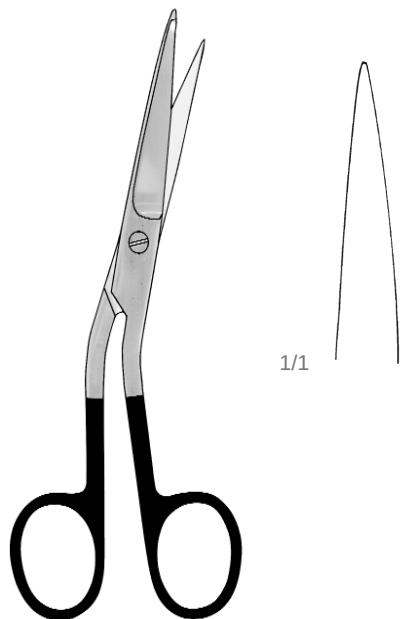
A
1

Soft Tissue Instruments - Super Cuts

A
2

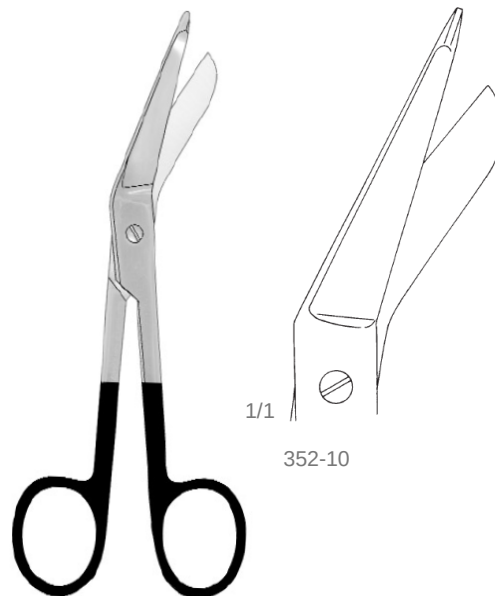
Super-Cut Hi-Level Bandage Scissors

352-02 5 1/2" (140mm) shanks
angled on side



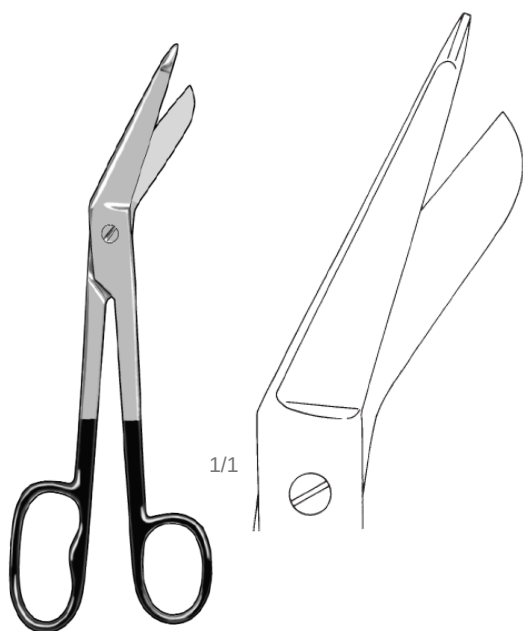
Super-Cut Lister Bandage Scissors

352-10 5 1/2" (140mm)
352-12 7 1/4" (184mm)



Super-Cut Lister Bandage Scissors With Large Finger Ring

352-14 8" (203mm)



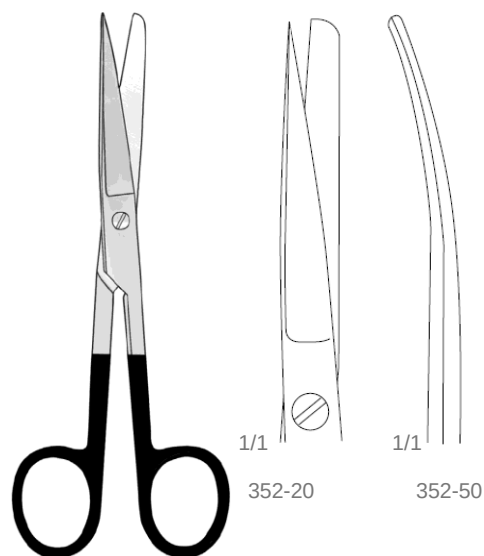
Super-Cut Operating Scissors

Straight

352-20 5 1/2" (140mm) sharp/blunt

Curved

352-50 5 1/2" (140mm) sharp/blunt



Super-Cut Mayo Scissors

Beveled blades, blunt points

Straight

352-80 5 1/2" (140mm)

352-92 6 3/4" (171mm)

353-16 9" (229mm)

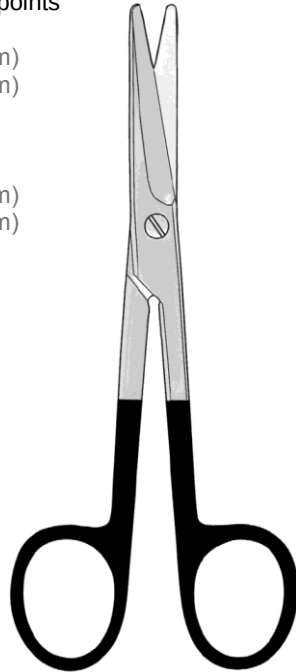
Curved

352-86 5 1/2" (140mm)

352-98 6 3/4" (171mm)

353-22 9" (229mm)

353-40 11" (280mm)



Super-Cut Baby Metzenbaum Scissors

Straight

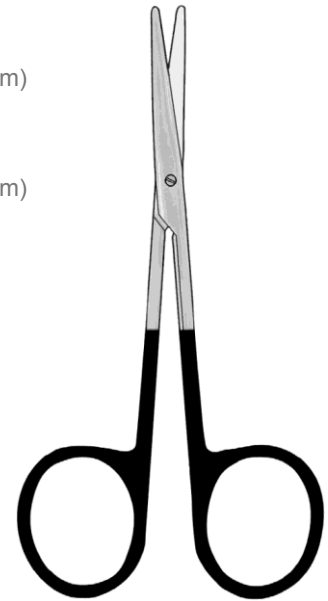
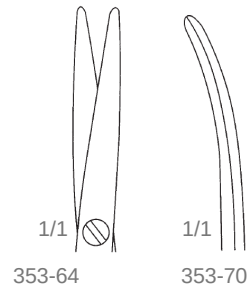
353-64 4 1/2" (114mm)

blunt points

Curved

353-70 4 1/2" (114mm)

blunt points



Super-Cut Metzenbaum Scissors

Straight

353-80 6" (152mm)

353-92 7" (178mm)

Curved

353-82 6" (152mm)

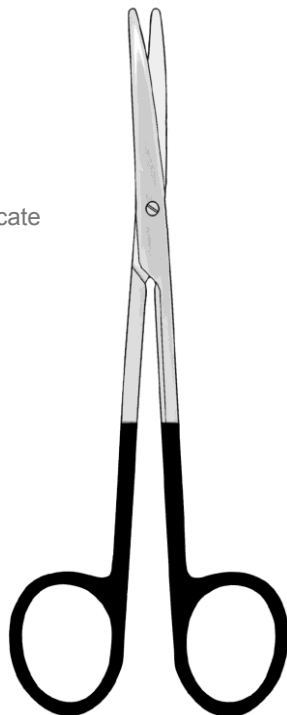
353-94 7" (178mm)

353-96 7" (178mm) delicate

354-06 8" (203mm)

354-18 9" (229mm)

354-30 11" (279mm)



Super-Cut Iris Scissors

Straight

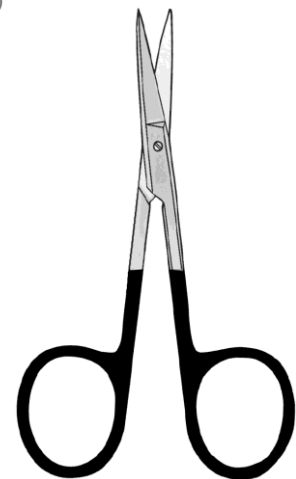
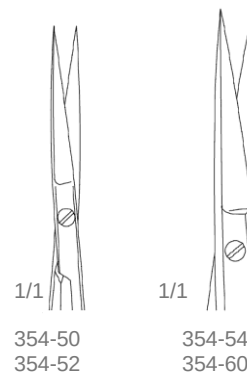
354-50 3 1/2" (89mm) delicate

354-54 4 1/2" (114mm)

Curved

354-52 3 1/2" (89mm) delicate

354-60 4 1/2" (114mm)



Soft Tissue Instruments - Super Cuts/Scissors

A
4

Super-Cut Stevens Scissors

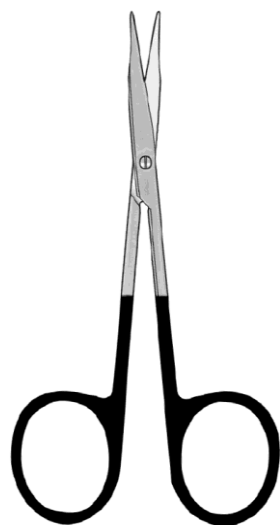
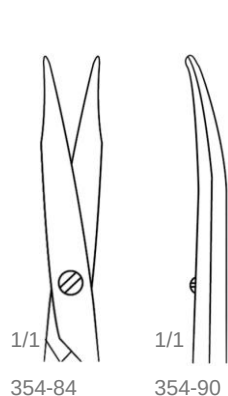
Straight

354-84 4 1/2" (114mm)

Curved

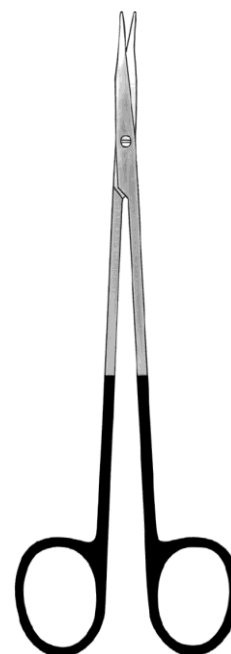
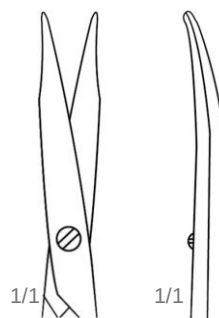
354-90 4 1/2" (114mm)

354-94 5 1/4" (133mm)



Super-Cut Jamison Scissors

354-96 6 1/4" (159mm) curved blunt points, very delicate



TC Metzenbaum Scissors

Straight

356-40 6" (152mm)

356-44 7" (178mm)

356-52 9" (229mm)

Curved

356-42 6" (152mm)

356-46 7" (178mm)

356-54 9" (229mm)



Metzenbaum Scissors

Straight

344-36 4 1/2" (114mm)

344-58 6" (152mm)

344-66 7" (178mm)

344-72 8" (203mm)

344-76 9" (229mm)

344-86 11" (279mm)

Curved

344-38 4 1/2" (114mm)

344-92 5 3/4" (146mm) del.

344-62 6" (152mm)

344-70 7" (178mm)

344-94 7" (178mm) del.

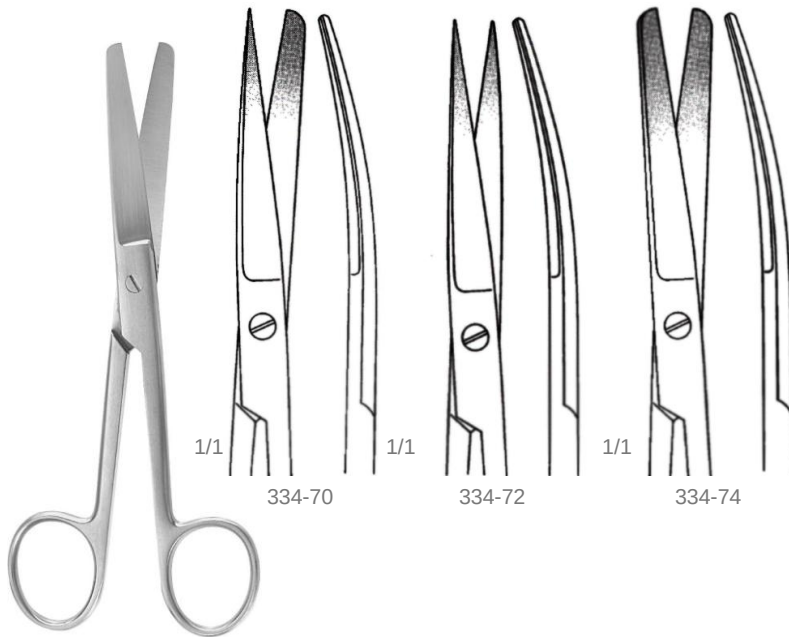
344-74 8" (203mm)

344-78 9" (229mm)

344-88 11" (279mm)



Operating Scissors



Straight

333-00	4 1/2" (114mm)	sharp/blunt
333-02	4 1/2" (114mm)	sharp/sharp
333-04	4 1/2" (114mm)	blunt/blunt
333-10	5" (127mm)	sharp/blunt
333-12	5" (127mm)	sharp/sharp
333-14	5" (127mm)	blunt/blunt
333-20	5 1/2" (140mm)	sharp/blunt
333-22	5 1/2" (140mm)	sharp/sharp
333-24	5 1/2" (140mm)	blunt/blunt
333-70	6 1/2" (165mm)	sharp/blunt
333-72	6 1/2" (165mm)	sharp/sharp
333-74	6 1/2" (165mm)	blunt/blunt

Curved

334-70	4 1/2" (114mm)	sharp/blunt
334-72	4 1/2" (114mm)	sharp/sharp
334-74	4 1/2" (114mm)	blunt/blunt
334-82	5" (127mm)	sharp/blunt
334-84	5" (127mm)	sharp/sharp
334-86	5" (127mm)	blunt/blunt
334-90	5 1/2" (140mm)	sharp/blunt
334-92	5 1/2" (140mm)	sharp/sharp
334-94	5 1/2" (140mm)	blunt/blunt
335-20	6 1/2" (165mm)	sharp/blunt
335-22	6 1/2" (165mm)	sharp/sharp
335-24	6 1/2" (165mm)	blunt/blunt

Mayo Scissors

Straight

342-56	5 1/2" (140mm)
342-60	6 3/4" (171mm)
342-80	6 3/4" (171mm) serrated
342-92	9" (229mm)

Curved

342-58	5 1/2" (140mm)
342-62	6 3/4" (171mm)
342-82	6 3/4" (171mm) serrated
342-94	9" (229mm)

TC Mayo Scissors

Straight

356-20	5 1/2" (140mm)
356-24	6 3/4" (171mm)
356-28	9" (229mm)

Curved

356-22	5 1/2" (140mm)
356-26	6 3/4" (171mm)
356-30	9" (229mm)



Spencer Stitch Scissors

350-92	3 1/2" (89mm)	delicate straight
350-68	4 3/4" (121mm)	delicate straight



Soft Tissue Instruments - Scissors

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Shortbent Stitch Scissors

350-80 3 1/2" (89mm) curved on side
delicate



Iris Scissors

Sharp points

Straight

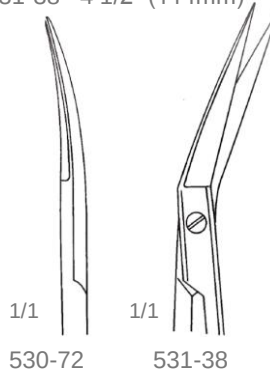
530-64 3 1/2" (89mm)
530-68 4 1/2" (114mm)
530-80 4 1/8" (105mm) delicate

Curved

530-66 3 1/2" (89mm)
530-72 4 1/2" (114mm)
530-84 4 1/8" (105mm) delicate

Angled on side

531-38 4 1/2" (114mm)



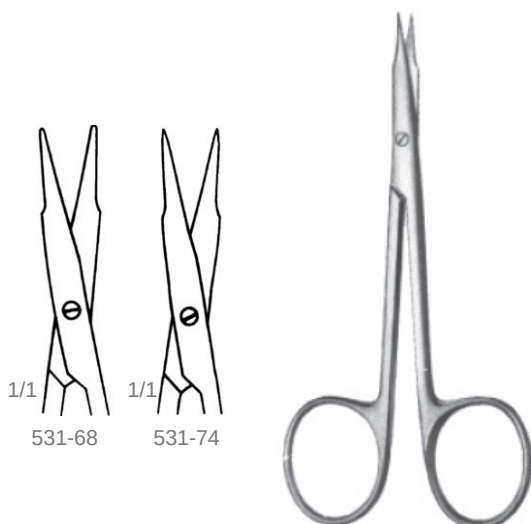
Stevens Tenotomy Scissors

Straight

531-68 4 1/4" (108mm) blunt/blunt
531-74 4 1/4" (108mm) sharp/sharp

Curved

531-72 4 1/4" (108mm) blunt/blunt
531-76 4 1/4" (108mm) sharp/sharp



Hi-level Bandage Scissors

317-92 5 1/2" (140mm) shanks
angled on side with
one serrated blade.



Soft Tissue Instruments - Scissors/Hemostatic Forceps

A
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Utility Scissors

318-32 6" (152mm) Lister-type (not pictured)
318-30 7 1/2" (191mm)



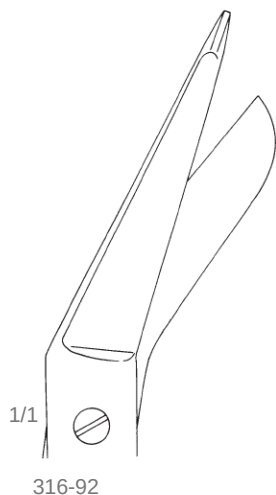
Esmarch Shears

460-60 8" (203mm)



Lister Bandage Scissors

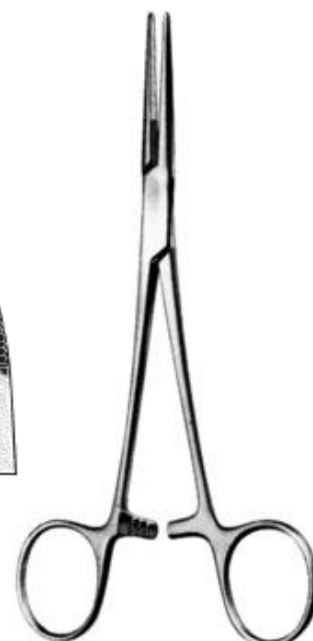
316-68 3 1/2" (89mm)
316-80 4 1/2" (114mm)
316-92 5 1/2" (140mm)
317-04 7 1/4" (184mm)
317-08 8" (203mm) one large finger ring



Rankin-Kelly Forceps

Straight
361-96 6 1/4"

Curved
361-98 6 1/4"



Soft Tissue Instruments - Hemostatic Forceps

A
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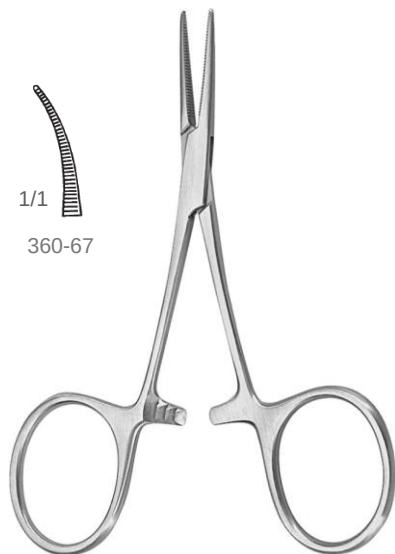
Hartmann Mosquito Forceps

Straight

360-63 3 1/2" (89mm)

Curved

360-67 3 1/2" (89mm)



Halsted Mosquito Forceps

Straight 5" (127mm)

361-56

361-60 delicate

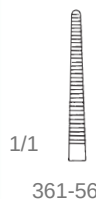
360-76 1x2 teeth

Curved 5" (127mm)

361-58

361-62 delicate

360-78 1x2 teeth



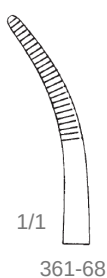
Kelly Forceps

Straight

361-66 5 1/2" (140mm)

Curved

361-68 5 1/2" (140mm)



Crile Forceps

Straight

361-76 5 1/2" (140mm)

361-80 5 1/2" (140mm)

extra delicate

361-86 6 1/4" (159mm)

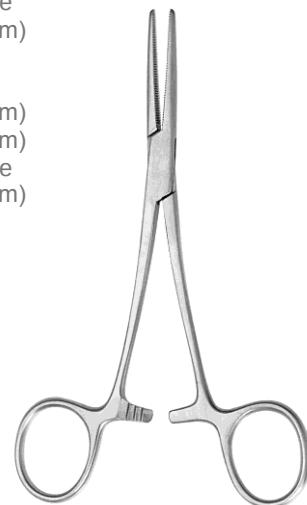
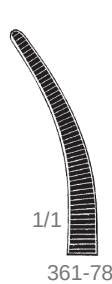
Curved

361-78 5 1/2" (140mm)

361-82 5 1/2" (140mm)

extra delicate

361-88 6 1/4" (159mm)



Soft Tissue Instruments - Hemostatic Forceps

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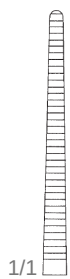
Rochester Pean Forceps

Straight

363-06	5 1/2" (140mm)
363-16	6 1/4" (159mm)
363-26	7 1/4" (184mm)
363-36	8" (203mm)
363-46	9" (229mm)
363-56	10" (254mm)

Curved

363-08	5 1/2" (140mm)
363-18	6 1/4" (159mm)
363-28	7 1/4" (184mm)
363-38	8" (203mm)
363-48	9" (229mm)
363-58	10" (254mm)



363-06



363-08



Rochester-Ochsner Forceps

Straight 1x2 teeth

364-06	5 1/2" (140mm)
364-16	6 1/4" (159mm)
364-26	7 1/4" (184mm)
364-36	8" (203mm)
364-46	9" (229mm)
364-56	10" (254mm)

Curved 1x2 teeth

364-08	5 1/2" (140mm)
364-18	6 1/4" (159mm)
364-28	7 1/4" (184mm)
364-38	8" (203mm)
364-48	9" (229mm)
364-58	10" (254mm)



364-16



364-18



Rochester-Carmalt Forceps

Straight

365-16	6 1/4" (159mm)
365-36	8" (203mm)

Curved

365-18	6 1/4" (159mm)
365-38	8" (203mm)



365-16



365-18



Mixer Forceps

Fully Curved

365-57	5 1/4" (133mm) delicate
365-62	6 1/4" (159mm)
365-64	7 1/4" (184mm)
365-66	9" (229mm)



365-57

365-66

Soft Tissue Instruments - Towel/Sponge Forceps

A
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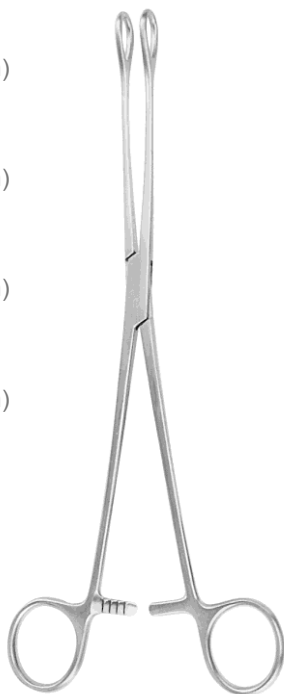
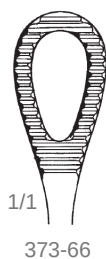
Foerster Sponge Forceps

Straight, serrated
373-66 7" (178mm)
373-86 9 1/2" (241mm)

Straight, smooth
373-70 7" (178mm)
373-90 9 1/2" (241mm)

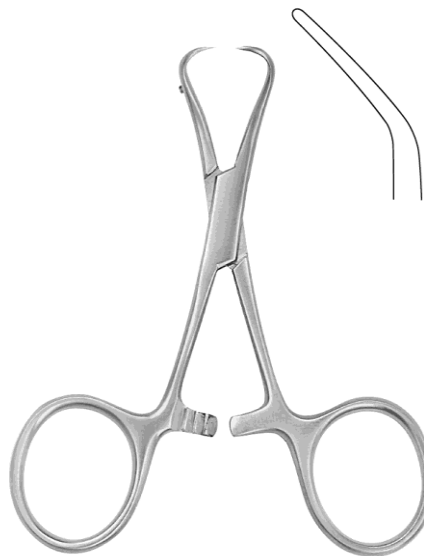
Curved, serrated
373-68 7" (178mm)
373-88 9 1/2" (241mm)

Curved, smooth
373-72 7" (178mm)
373-92 9 1/2" (241mm)



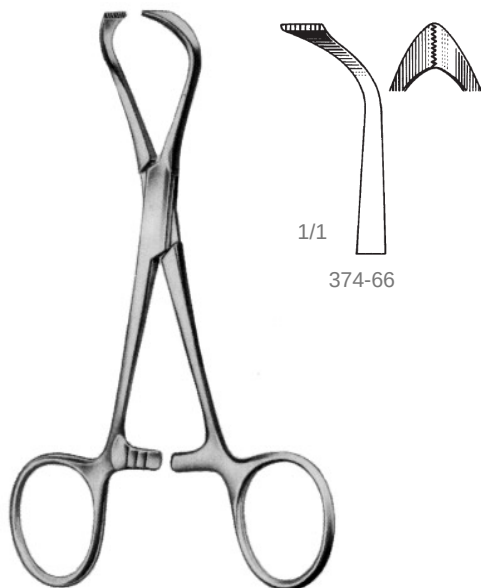
Backhaus Towel Forceps

374-58 3 1/2" (89mm)
374-62 5 1/4" (133mm)



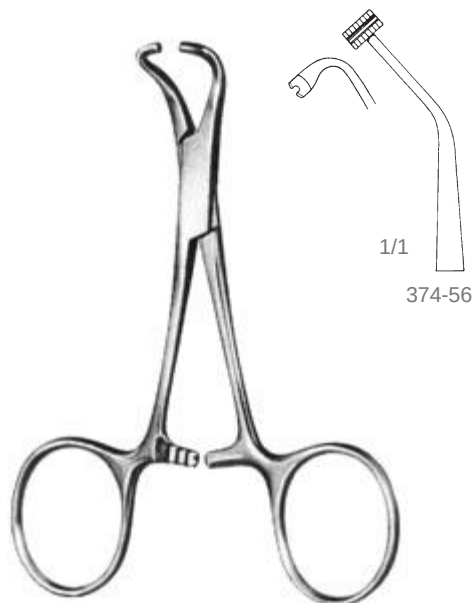
Lorna (Edna) Towel Clamp

374-66 4" non-perforating
374-68 5 1/4" non-perforating



Peers Towel Clamp

374-56 5 3/4" (146mm) non-perforating



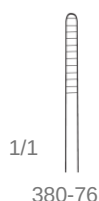
Soft Tissue Instruments - Tissue/Dressing Forceps

A
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Dressing Forceps

Serrated

380-76	4 1/2" (114mm)
380-80	5" (127mm)
380-84	5 1/2" (140mm)
380-88	6" (152mm)
380-94	8" (203mm)
381-00	10" (254mm)
381-06	12" (305mm)



Tissue Forceps

1x2 teeth

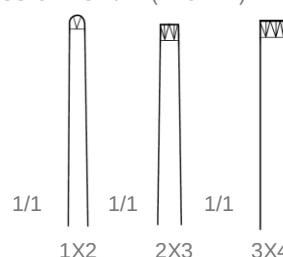
382-64	4 1/2" (114mm)
382-68	5" (127mm)
382-72	5 1/2" (140mm)
382-76	6" (152mm)
382-80	8" (203mm)
382-86	10" (254mm)
382-90	12" (305mm)

2x3 teeth

382-92	5" (127mm)
382-96	5 1/2" (140mm)

3x4 teeth

383-04	5 1/2" (140mm)
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Adson Tissue Forceps

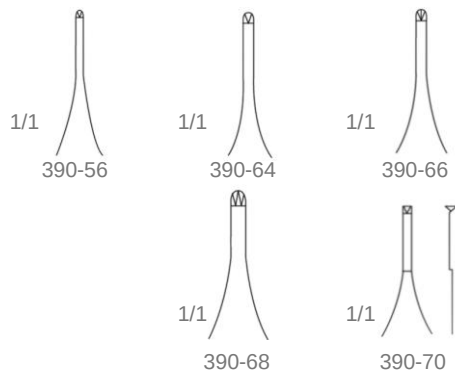
4 3/4" (121mm)

1x2 teeth

390-56	micro tip
390-63	serrated tip
390-64	delicate tip
390-66	standard tip
390-70	delicate, with tying platform

2x3 teeth

390-68

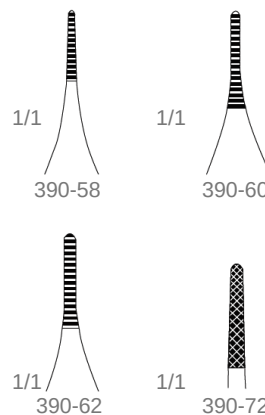


Adson Dressing Forceps

4 3/4" (121mm)

Serrated

PM 390-58	micro tip
PM 390-60	delicate tip
PM 390-62	standard tip
PM 390-72	carbide tip



Soft Tissue Instruments - Tissue/Dressing Forceps

A
12

Semken Forceps

Serrated

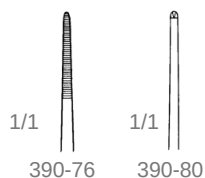
390-76 5" (127mm)

390-86 6" (152mm)

1x2 teeth

390-80 5" (127mm)

390-88 6" (152mm)

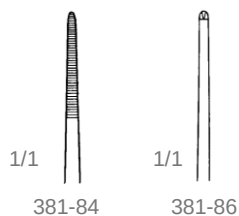


Cushing Bayonet Tissue Forceps

7 1/4"

381-86 1x2 teeth

381-84 serrated

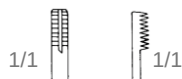


Adson Dressing Forceps

9x9 teeth

390-92 4 3/4" (121mm)

side grasping

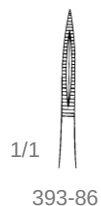


Feilchenfeld Forceps

Serrated

393-86 3 1/4" (83mm)

393-90 4 1/2" (114mm)

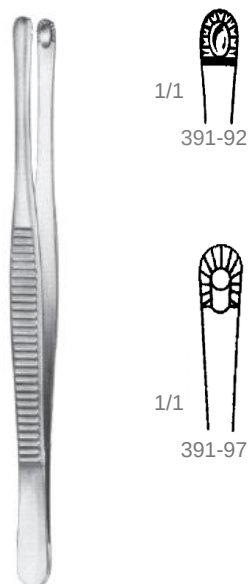


Soft Tissue Instruments - Tissue/Dressing Forceps

A
13

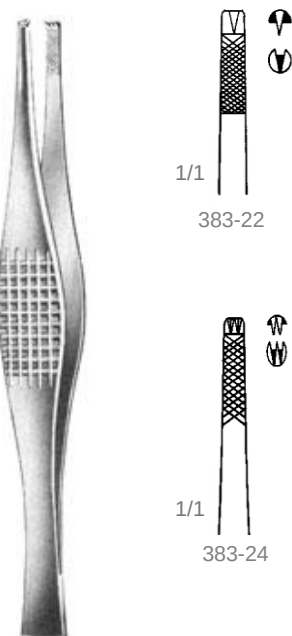
Russian Tissue Forceps

- 391-92 6"
- 391-96 8"
- 391-97 9" fenestrated
- 391-98 10"



Ferris-Smith Tissue Forceps

- 7" (178mm) with platform
- 383-22 1x2 teeth
- 383-24 2x3 teeth



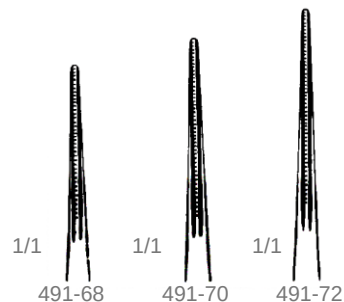
Allis Tissue Forceps

- 431-05 4 3/4" 4x5 teeth delicate (121mm)
- 431-07 5 3/4" 4x5 teeth delicate (146mm)
- 431-10 6" 3x4 teeth standard (152mm)
- 431-12 6" 4x5 teeth standard (152mm)
- 431-16 6" 5x6 teeth standard (152mm)
- 431-24 7 1/2" 5x6 teeth standard (190mm)



Debaquey Atraumatic Tissue Forceps

- 491-68 6 1/4" 1.5mm
- 491-70 8" 1.5mm
- 491-72 9 1/4" 1.5mm
- 491-80 6 1/4" 2.0mm
- 491-82 8" 2.0mm
- 491-84 9 1/4" 2.0mm
- 492-10 6 1/4" 3.5mm
- 492-12 8" 3.5mm
- 492-16 9 1/4" 3.5mm



Soft Tissue Instruments - Dressing Forceps/Needle Holders

A
14

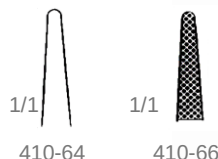
Babcock Forceps

433-10 6 1/4" (159mm)
433-24 8" (203mm)
433-26 9 1/2" (241mm)



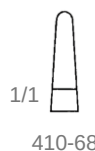
Halsey Needle Holder

410-64 5" (127mm) smooth
410-65 5" (127mm) smooth carbide
410-66 5 1/4" (133mm) serrated
410-67 5" (127mm) serrated carbide



Webster Needle Holder

Smooth
410-68 5" (127mm)
410-70 5" (127mm) carbide



Derf Holder

410-92 4 3/4" (121mm)
horizontal serrations
410-94 4 3/4" (121mm)
carbide cross serrations

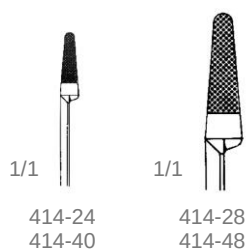


Olsen-Hegar Needle Holder

- 414-24 4 3/4" (121mm) delicate serrated
- 414-26 4 3/4" (121mm) delicate smooth
- 414-28 5 1/2" (140mm) serrated
- 414-32 6 1/2" (165mm) serrated
- 414-34 7 1/2" (191mm) serrated

Carbide

- 414-40 4 3/4" (121mm) delicate serrated
- 414-46 4 3/4" (121mm) delicate smooth
- 414-48 5 1/2" (140mm) serrated
- 414-52 6 1/2" (165mm) serrated
- 414-54 7 1/2" (191mm) serrated



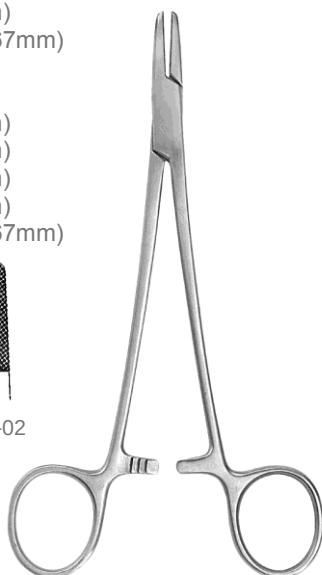
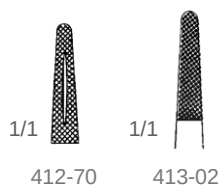
Mayo Hegar Needle Holder

Serrated

- 412-70 5 1/4" (133mm)
- 412-72 6" (152mm)
- 412-78 7" (178mm)
- 412-84 8" (203mm)
- 412-86 10 1/2" (267mm)

Carbide

- 413-00 5" (127mm)
- 413-02 6" (152mm)
- 413-08 7" (178mm)
- 413-14 8" (203mm)
- 413-16 10 1/2" (267mm)



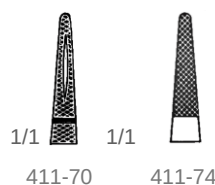
Crile-Wood (Debaquey) Needle Holder

Serrated

- 411-70 6" (152mm)
- 411-71 7" (178mm)
- 411-72 8" (203mm)
- 411-73 9" (229mm)

Carbide

- 411-74 6" (152mm)
- 411-75 7" (178mm)
- 411-76 8" (203mm)
- 411-78 9" (229mm)



SKIN HOOKS AND RETRACTORS

SECTION **B**

CONTENTS

Skin Hooks

Retractors

Self-Retaining Retractors

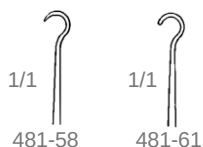
Shoulder Retractors

Frazier Hook

5" (127mm)

481-58 one sharp prong 2.5mm dia.

481-61 one blunt prong 2.5mm dia.



Joseph Hook

6 1/4" (159mm) sharp

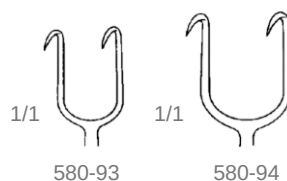
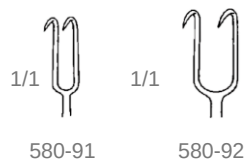
580-88 1 prong

580-91 2 prongs 2mm wide

580-92 2 prongs 5mm wide

580-93 2 prongs 7mm wide

580-94 2 prongs 10mm wide



Kleinert-Kutz Hook

6" Long

520-60 3mm diameter

520-64 5mm diameter

520-68 7mm diameter

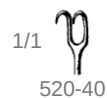


Freer Skin Hook

6" Long

520-40 2 sharp prongs 2.5mm wide

520-42 2 blunt prongs 2.5mm wide



Retractors

B
2

Volkman Retractor

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

Sharp

522-54	1 prong	10mm depth
522-58	2 prongs	8mm width X 10mm depth
522-62	3 prongs	13mm width X 10mm depth
522-64	4 prongs	18mm width X 10mm depth
522-66	6 prongs	28mm width X 10mm depth

Blunt

522-68	2 prongs	8mm width X 10mm depth
522-72	3 prongs	13mm width X 10mm depth
522-74	4 prongs	18mm width X 10mm depth
522-76	6 prongs	28mm width X 10mm depth



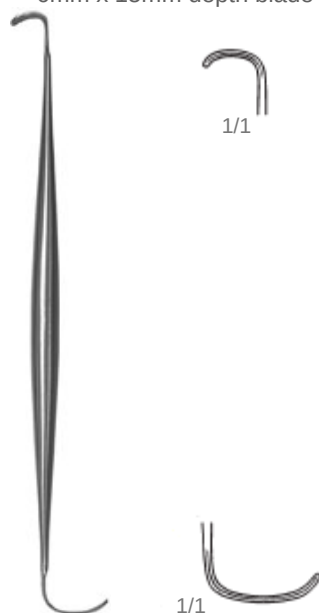
Ragnell Retractor

5 3/4" (146mm)

520-94 double ended

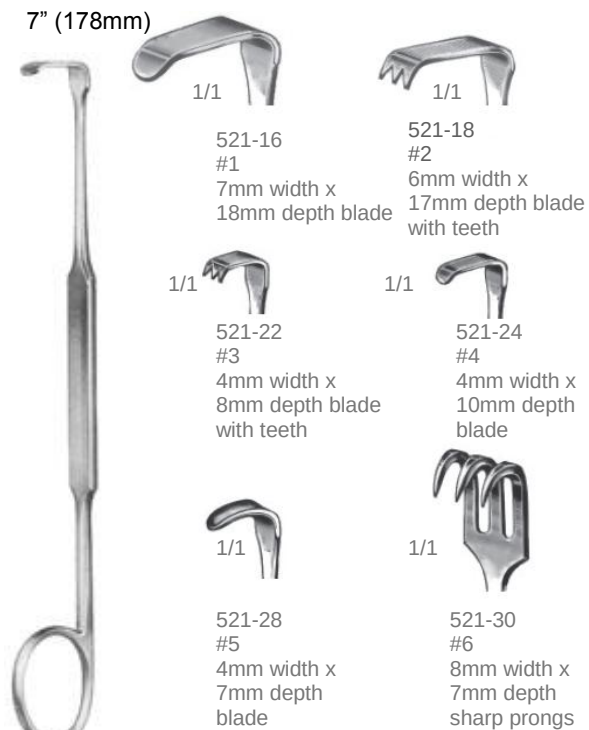
4mm x 8mm depth blade

6mm x 15mm depth blade



Meyerdling Finger Retractor

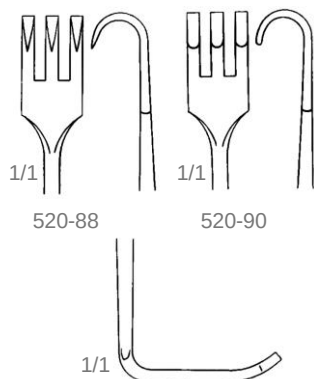
7" (178mm)



B | 2

Senn Retractor

6 1/4" (159mm)
520-88 3 prongs sharp
520-90 3 prongs blunt



U.S. Army Retractor

8 1/4" (210mm)
513-72 double ended, set of two



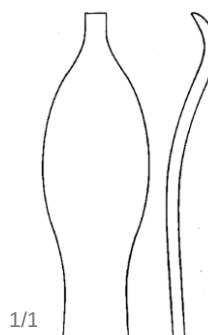
Hibbs Retractor

9 1/2" sharp teeth
510-59 25mm width x 50mm depth
510-60 26mm width x 75mm depth
510-61 25mm width x 100mm depth

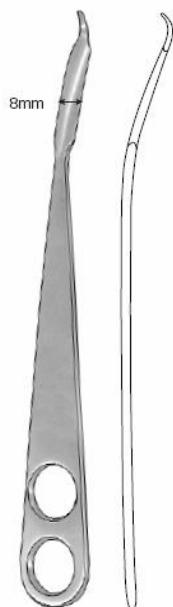


Hohmann Retractor

6"
468-27 broad tip 15mm blade width

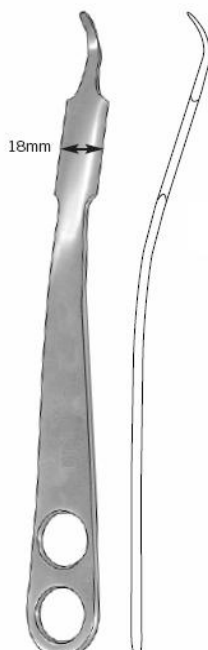


Hohmann Retractor



468-58 8 1/2"
8mm blade width

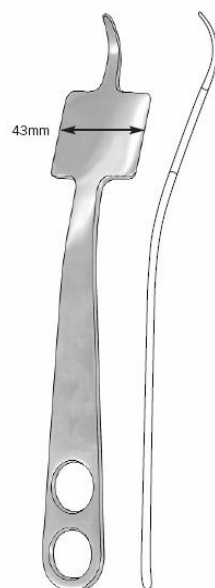
468-36 9"
10mm blade width



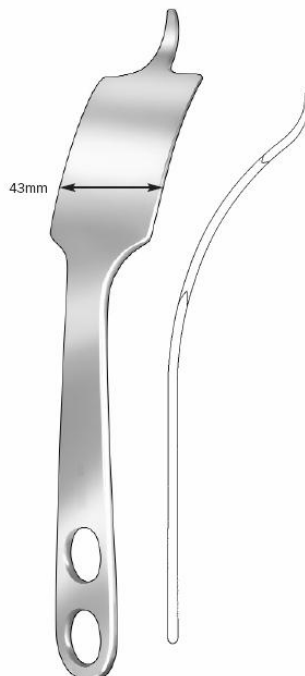
468-38 9"
18mm blade width



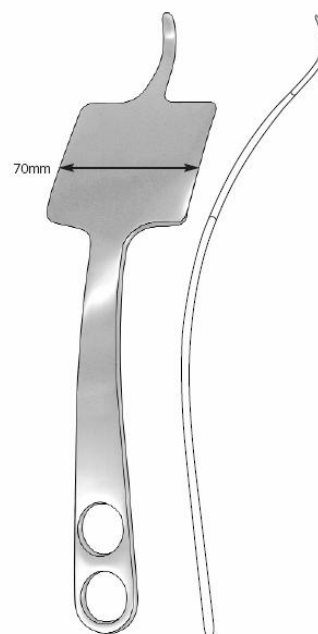
468-48 11"
22mm blade width
three holes



468-42 9 1/2"
43mm blade width

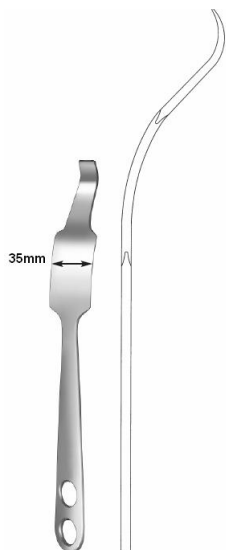


468-41 9"
43mm blade width
long 64mm shank

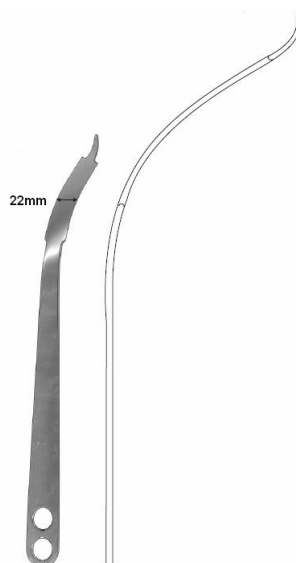


468-50 9 1/2"
70mm blade width

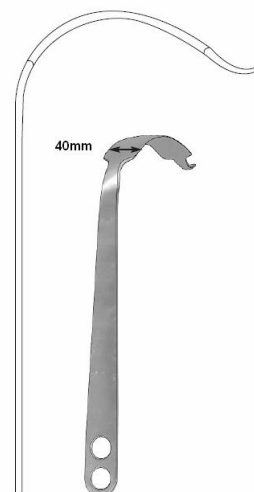
Hohmann Retractor



468-49 11 1/4"
35mm blade width
with wide tip
long 52mm shank



468-52 16"
22mm blade width
curved 120 degrees



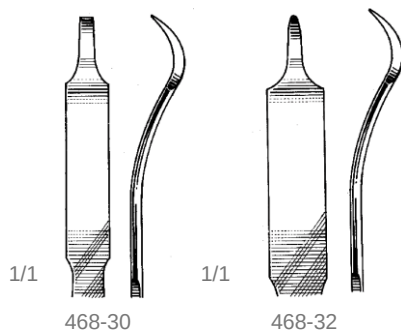
468-54 13"
40mm blade width
curved 90 degrees

Mini Hohmann Retractor

6 1/2"

468-30 6mm blade width

468-32 8mm blade width



Bennett Bone Elevator and Retractor hollow handle

10"

468-80 small 1 3/4" blade width

468-84 large 2 1/2" blade width



Retractors

B
6

Deaver Retractor

Hollow grip handle

- 512-30 1" wide x 12 1/4" long blade
- 512-32 1 1/2" wide x 12 1/4" long blade
- 512-34 2" wide x 12 1/4" long blade
- 512-36 3" wide x 12 1/4" long blade
- 512-38 4" wide x 12 1/4" long blade



Aufranc Cobra Retractor

10 1/2" with hollow handle

1 1/4" width blade

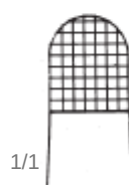
- 482-08 serrated pointed tip, 10mm
- 482-14 smooth pointed tip, 10mm
- 482-10 serrated blunt tip, 10mm
- 482-12 smooth blunt tip, 10mm



482-08



482-14



482-10



482-12



Meyerding Laminectomy Retractor

Sharp teeth

	Blade width	Blade length
511-58 9" small	17mm	55mm
511-62 9" medium	25mm	70mm
511-64 10" large	50mm	94mm



Taylor Spinal Retractor

524-58 7 1/4"

1 1/4" width x 3" length blade

524-60 8"

1 1/4" width x 4" length blade



Alm Retractor

4 blunt prongs

524-14 2 3/4" (70mm)

524-16 4" (102mm)



Self Retaining Retractor

4" (102mm)

524-17 4 sharp prongs

524-18 4 blunt prongs



Markham-Meyerding Hemilaminectomy Retractor

7"

554-40 Left sharp blade
60mm depth x 25mm height

554-41 Right sharp blade (pictured)
60mm depth x 25mm height



Adson Retractor

7 1/2"

524-42 straight 4x4 sharp prongs
18mm depth x 18mm height

524-44 angled 4x4 sharp prongs
18mm depth x 18mm height



Self-Retaining Retractors

B
8

Gelpi Retractor

Sharp points

527-76 3 1/2" (89mm)
527-78 4 1/2" (114mm)
527-80 5 1/2" (140mm)
527-68 7 1/2" (191mm)



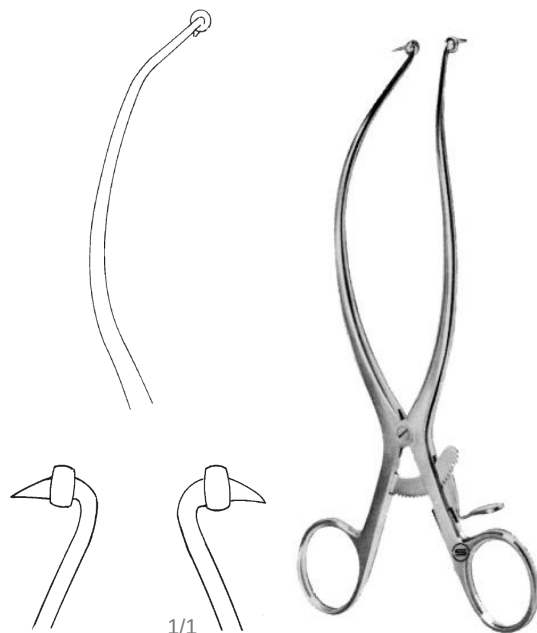
Gelpi-Seletz Retractor

527-65 6 1/4" Deep blades
Sharp points



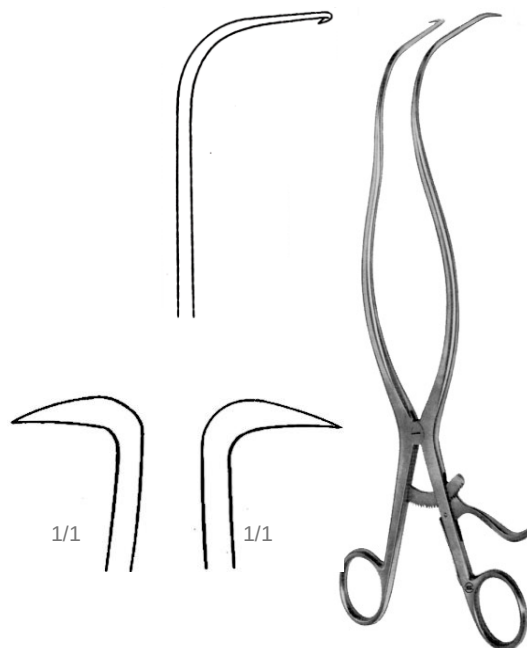
Gelpi Retractor

527-69 7" with ball stops, sharp



Wiltse-Gelpi Retractor

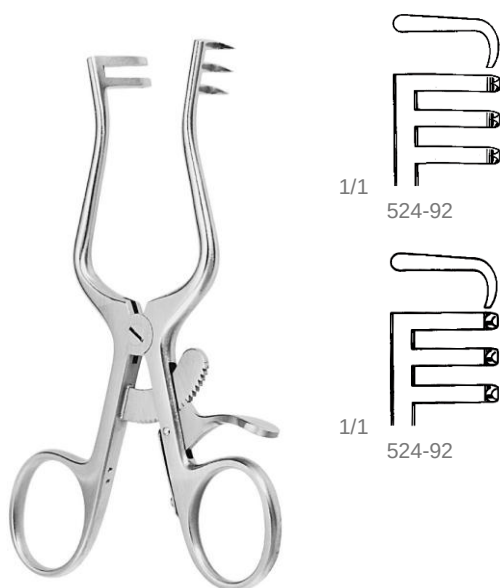
527-71 11" Deep blades
Sharp points



Weitlaner Retractor

Sharp points
2x3 teeth
524-92 4"

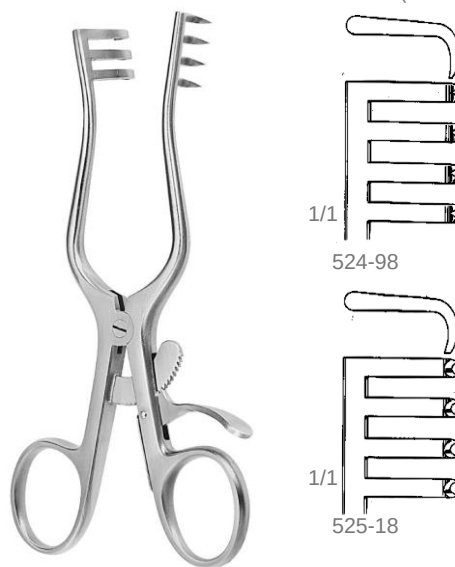
Blunt points
2x3 teeth
524-94 4" (102mm)



Weitlaner Retractor

3x4 teeth
524-98 5 1/2"
525-02 6 1/2"
525-04 8"
525-06 9 1/2"

3x4 teeth
525-18 5 1/2" (140mm)
525-22 6 1/2" (165mm)
525-24 8" (203mm)
525-26 9 1/2" (241mm)



Beckman-Weitlaner Retractor

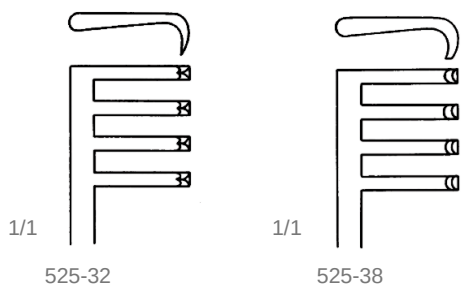
Hinged blades

3x4 sharp prongs

525-30 5 1/2" (140mm) 15mm depth x 20mm height
525-32 6 1/2" (165mm) 15mm depth x 20mm height
525-34 8 1/2" (216mm) 17mm depth x 22mm height
525-42 9 1/2" (241mm) 24mm depth x 22mm height

3x4 blunt prongs

525-36 5 1/2" (140mm) 15mm depth x 20mm height
525-38 6 1/2" (165mm) 15mm depth x 20mm height
525-40 8 1/2" (216mm) 17mm depth x 22mm height
525-44 9 1/2" (241mm) 24mm depth x 22mm height

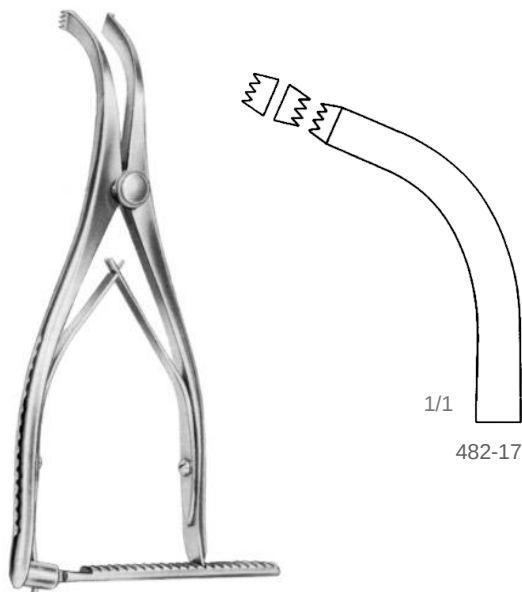


Self-Retaining Retractors

B
10

Inge Retractor

482-17 6 1/2" with teeth
482-18 6 1/2" without teeth
482-30 9 1/2" with teeth



Lamina Spreader

482-26 10 1/2" flat blades
maximum blade opening: 2" (50mm)



Initial Incision Retractor

527-04 includes:
Frame and 3 lbs. weight with chain
1x1 short blade with 4 sharp prongs
1x1 long blade with 4 sharp prongs
Maximum retraction width: 9 3/4" (247mm).

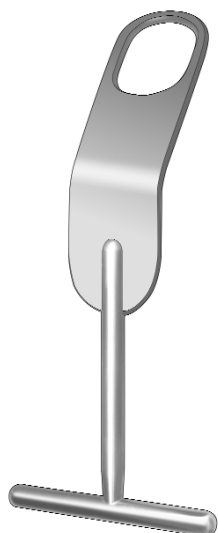


Other Blades Available:

Prong Depth x Blade Width	Short Blade	Long Blade
1" x 1" (25mm x 25mm)	527-12	527-13
2" x 1" (51mm x 25mm)	527-14	527-15
2 1/2" x 1" (64mm x 25mm)	527-18	527-19
3" x 1" (76mm x 25mm)	527-20	527-21
4" x 1" (102mm x 25mm)	527-22	527-23
5" x 1" (127mm x 25mm)	527-24	527-25

Fukuda Style Shoulder Retractor

469-06 7" 38mm width x 81mm length blade
469-07 7" 32mm width x 81mm length blade



Blount Double Prong Retractor

482-04 10 1/2" 44mm width



Kolbel Shoulder Retractor

Square frame with four blades
860-95

Set includes 4 blades:

1 pair 860-70 (36mm X 36mm) and
1 pair 860-75 (36mm X 53mm)



860-70



860-75

Other blades available
upon request



Ring handel retractors
available upon request

ELEVATORS AND BONE HOOKS

SECTION C

CONTENTS

Elevators

Bone Hooks

Freer Elevator

576-14 7 1/2" (191mm) 5mm sharp and 5mm blunt blade



Kleinert Kutz Elevator and Dissector

576-15 7 3/4" 2mm x 3mm sharp ends



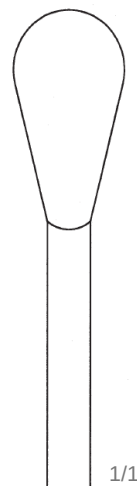
Allerdyce Elevator and Dissector

576-16 7 1/2" double ended 8mm semi-sharp end and 8mm blunt end



Sedillot Periosteal Elevator

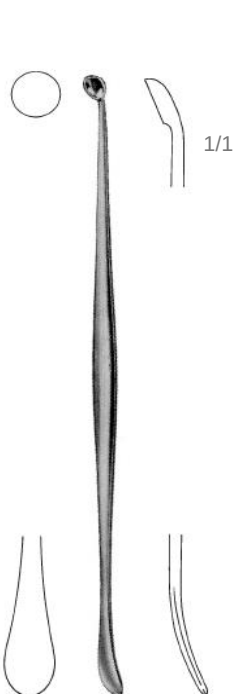
580-85 7" 16mm sharp



Elevators

C | 2

Penfield Elevator



576-24
Style #1
7" double ended



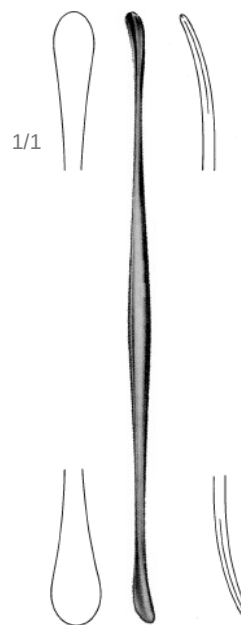
576-26
Style #2
7 3/4" double ended



576-28
Style #3
7 3/4" double ended



576-30
Style #4
8" single ended



576-32
Style #5
11 1/2" double ended

Periosteal Elevator

Straight blade
Phenolic handle

- 462-11 7 1/4" sharp
6mm straight edge
- 462-13 7 3/4" sharp
14mm oval edge
- 462-15 7 1/4" sharp
13mm straight edge
- 462-17 7 1/4" sharp
20mm round edge



Periosteal Elevator

Curved blade
Phenolic handle

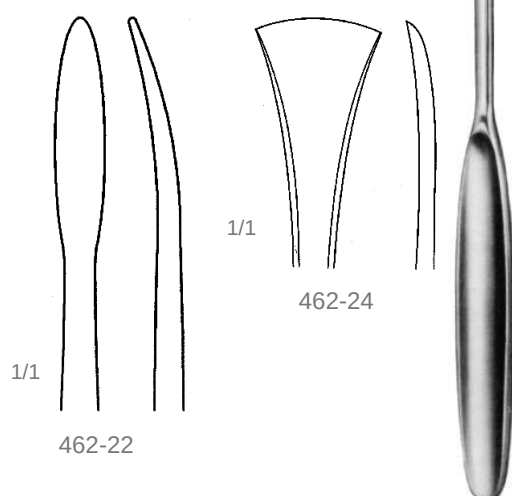
- 462-06 7 1/4" sharp
3mm straight edge
- 462-07 7 1/4" sharp
6mm straight edge
- 462-12 7 1/4" sharp
6mm round edge
- 462-14 7 1/4" sharp
14mm oval edge
- 462-16 7 1/4" sharp
13mm straight edge



Langenbeck Periosteal Elevator

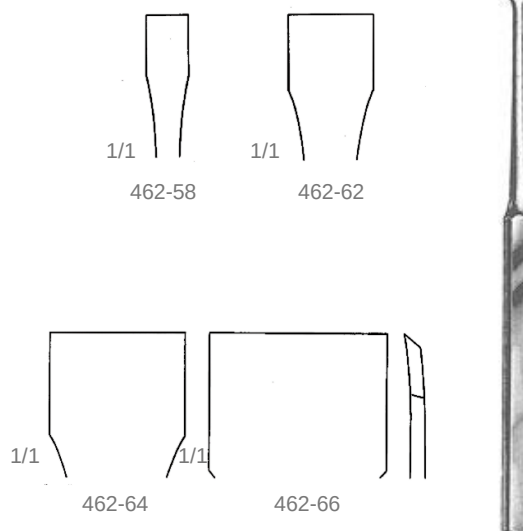
7 3/4" (197mm)

- 462-22 6mm wide, blunt edge
- 462-24 17mm wide, sharp edge



Key Periosteal Elevator

- 462-58 7" (178mm) 1/4" (6mm) wide
- 462-60 7 1/2" (191mm) 3/8" (10mm) wide
- 462-62 7 1/2" (191mm) 1/2" (13mm) wide
- 462-64 8" (203mm) 3/4" (19mm) wide
- 462-66 8 1/4" (210mm) 1" (25mm) wide

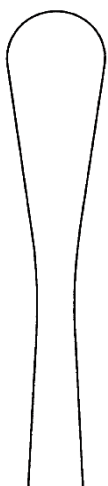


Cobb Spinal Elevator

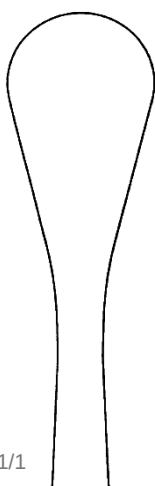
11" length, sharp
Stainless steel working
end



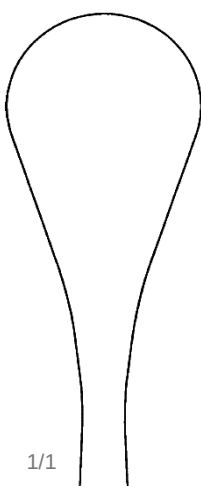
1/1
Aluminum handle
464-13 3/8"
All stainless steel
464-13S 3/8"



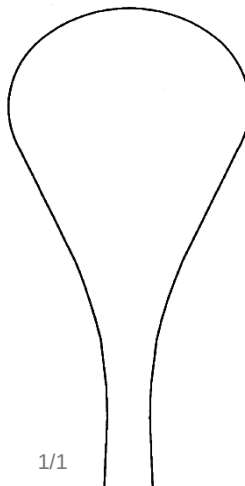
1/1
Aluminum handle
464-14 1/2"
All stainless steel
464-14S 1/2"



1/1
Aluminum handle
464-16 3/4"
All stainless steel
464-16S 3/4"



1/1
Aluminum handle
464-18 1"
All stainless steel
464-18S 1"



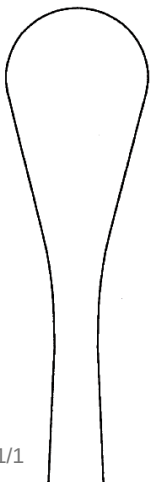
1/1
Aluminum handle
464-20 1 1/4"
All stainless steel
464-20S 1 1/4"

Cobb Spinal Elevator

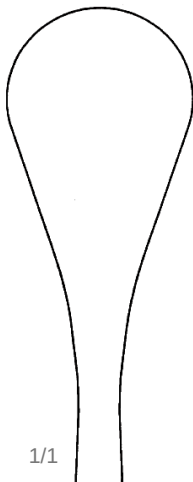
9 1/2" sharp
With hexagonal handle
All stainless steel



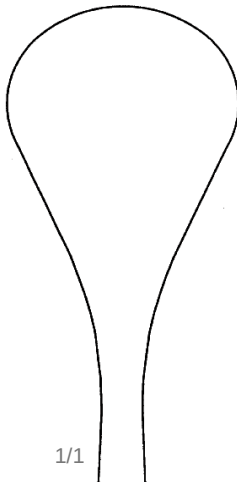
1/1
493-40 1/2"



1/1
493-42 3/4"



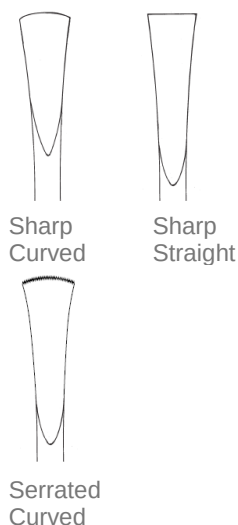
1/1
493-44 1"



1/1
493-46 1 1/4"

Cushing Periosteal Elevator

- 493-22 7 1/2" 15mm sharp curved edge
 493-24 7 1/2" 15mm sharp straight edge
 493-26 7 1/2" 15mm serrated curved edge



Woodson Elevator

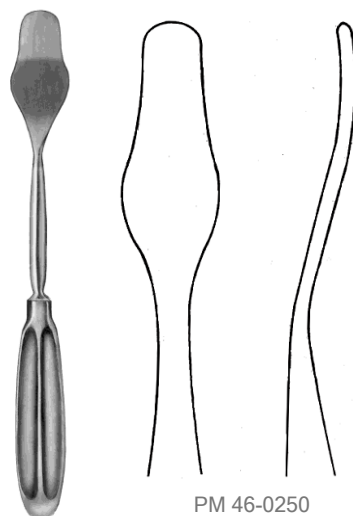
- Elevator and Spatula**
 553-00 10" (254mm) double ended 3mm semi sharp end

- Dural Separator and Packer**
 553-02 7" (178mm) double ended with grooved blade 3mm blunt end



Chandler Elevators blunt

	Width at tip	Maximum width	Overall length
462-50	8mm	13mm	7 1/2"
462-52	12mm	19mm	8"
462-54	17mm	25mm	9"
462-56	19mm	30mm	10"



Darrach Elevator blunt

	Width at tip	Overall Length	
469-01	3/8"	10 1/4"	X-Small
469-02	1/2"	10 1/4"	Small
469-03	3/4"	10 1/4"	Medium
469-04	1"	13 3/4"	Large
469-05	1"	13 3/4"	X-Large



Bone Hooks

C | 6

Bone Hook

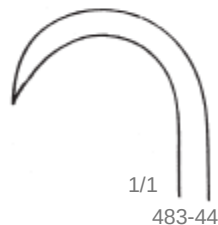
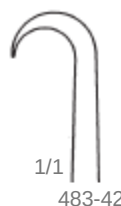
483-32 7" sharp with T-handle
Large, for femurs
18mm height x 21mm depth



Bone Hook

9" sharp with grip handle

483-42 small
6mm height x 10mm depth
483-43 medium
11mm height x 18mm depth
483-44 large
12mm height x 21mm depth



Volkman Bone Hook

483-34 8" sharp
19mm height x 27mm depth

483-33 9" blunt
15mm height x 20mm depth

483-31 9" sharp
15mm height x 20mm depth

483-35 9 3/4" sharp
15mm height x 20mm depth



Bone Awl

483-36 6 1/4" Square taper



Shoulder Penetrating Awl

469-16
9 1/4" (235mm)
phenolic handle



RONGEURS AND BONE HOLDING INSTRUMENTS

SECTION D

CONTENTS

Rongeurs

Bone Cutting Forceps

Bone Reduction Forceps

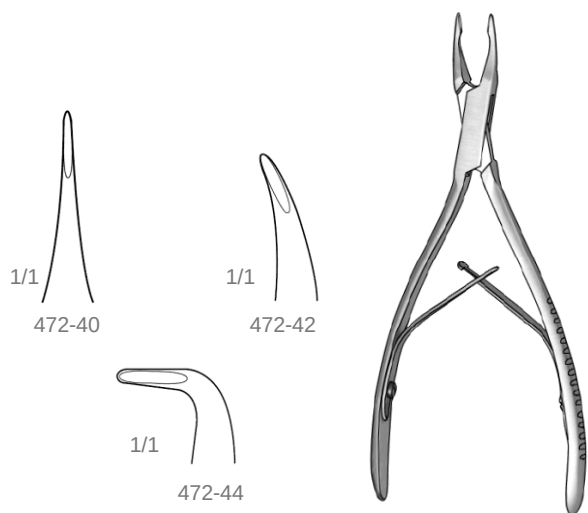
Bone Holding Forceps

Trephines

Micro Friedman Rongeur

5 1/2" extremely delicate

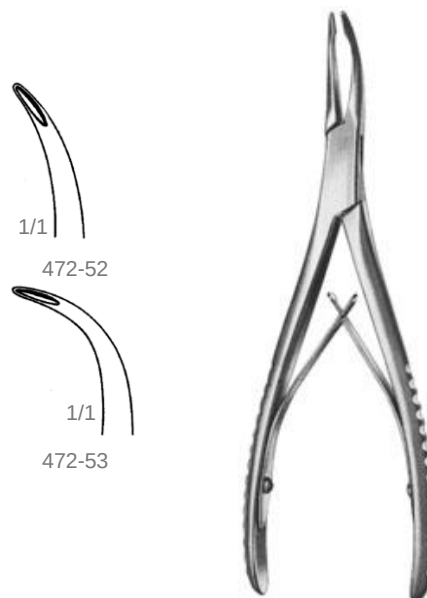
- 472-40 straight 1.5x5mm bite
- 472-42 30° angled 1.5x5mm bite
- 472-44 90° angled 1.5x5mm bite



Synovectomy Rongeur

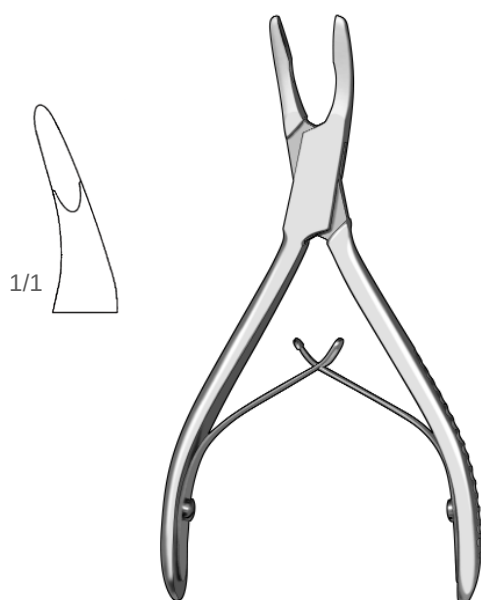
6 3/4" extremely delicate

- 472-52 slight curve 2x5mm bite
- 472-53 strong curve 2x5mm bite



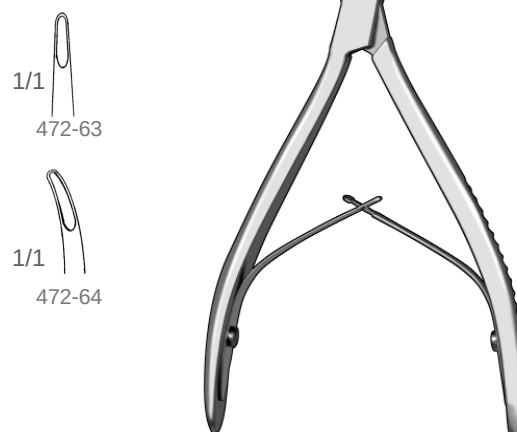
Friedman Rongeur

- 472-62 5 1/2" curved delicate
- 4x11mm bite



Mini Friedman Rongeur

- 472-63 6" straight delicate
- 2x8mm bite
- 472-64 6" curved delicate
- 2x8mm bite

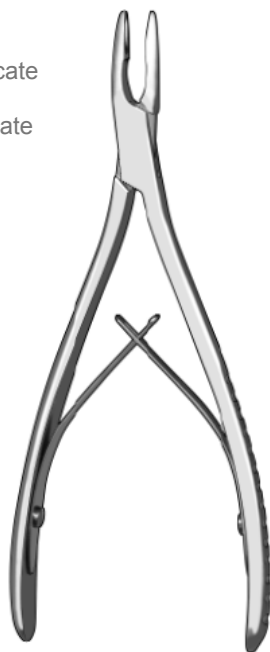
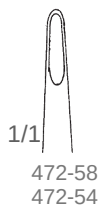


Rongeurs

D
2

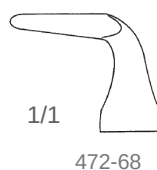
Lampert Rongeur

- 472-58 6" Straight delicate
3x7mm bite
- 472-60 6" Curved delicate
3x7mm bite
- 472-54 7 1/2" Straight delicate
3x7mm bite
- 472-56 7 1/2" Curved delicate
3x7mm bite



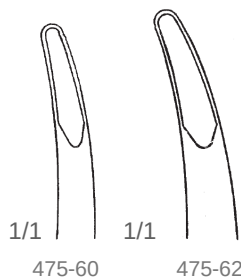
Dean (Blumenthal) Rongeur

- 472-66 6" curved 30°
4x11mm bite
- 472-68 6" curved 90°
4x11mm bite



Kleinert-Kutz Synovectomy Rongeur

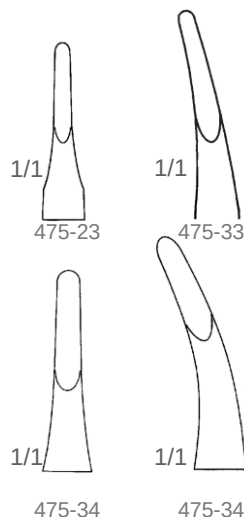
- 475-60 6" slight curve delicate
2x13mm bite
- 475-62 6" slight curve delicate
3x16mm bite



Ruskin Rongeur

- Straight** 6" (152mm)
475-23 2x14mm bite delicate
475-32 3x15mm bite

- Curved** 6" (152mm)
475-33 2x15mm bite
475-34 3x15mm bite



Ruskin Rongeur

Straight 7 1/4" (184mm)

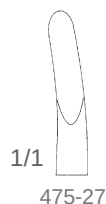
475-26 4x16mm bite

475-28 6x16mm bite

Curved 7 1/4" (184mm)

475-27 4x16mm bite

475-31 6x16mm bite



Beyer Rongeur

Curved 7" (178mm)

475-20 3x14mm bite

475-22 4x15mm bite



475-20

475-22



Zaufal-Jansen Rongeur

475-24 7" curved
5x15mm bite



Adson Rongeur

473-02 8" straight
7x15mm bite

473-06 8" curved
7x15mm bite



473-06



Rongeurs

D
4

Echlin Duckbill Rongeur

9" straight, curved on side

474-80 2x12mm bite

474-82 3x12mm bite

474-84 4x12mm bite



Leksell Rongeur

15° curve 9"

474-92 3x16mm bite

474-86 4x16mm bite

474-87 5x16mm bite

474-88 6x16mm bite

474-89 7x16mm bite

474-90 8x16mm bite



Leksell Rongeur

50° curve 9"

474-94 3x13mm bite

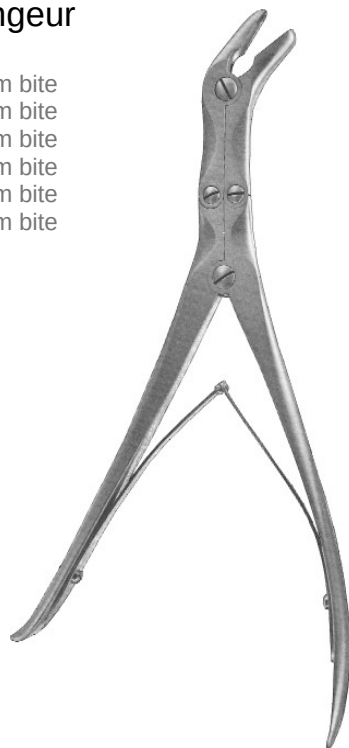
474-95 4x13mm bite

474-97 5x13mm bite

474-98 6x13mm bite

474-99 7x13mm bite

474-96 8x16mm bite



Stille-Luer Duckbill Rongeur

474-72 9" curved on side

6x13mm bite



Stille-Luer Rongeur



1/1

Straight

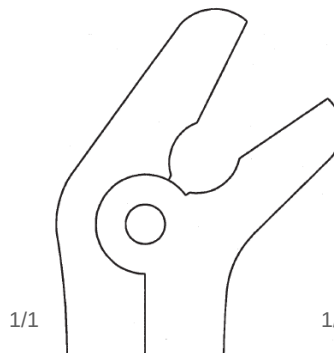
474-58 8 1/2"
474-62 10 1/2"
10x18mm bite



1/1

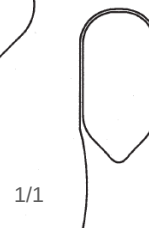
Curved

474-60 8 1/2"
474-64 10 1/2"
10x18mm bite



1/1

Curved on side
474-61 8 1/2"



1/1

474-61
10x16mm bite

Dale Thoracic Rongeur

473-96 14 1/2" slight curve
3x16mm bite



Sypert Rongeur

473-80 4x16mm bite
473-82 5x16mm bite
473-84 8x16mm bite
473-86 12x16mm bite



473-80



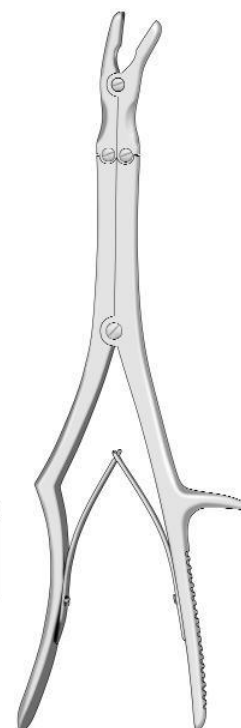
473-82



473-84



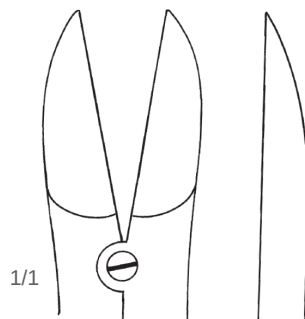
473-86



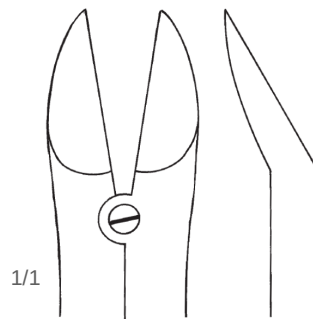
Bone Cutting Forceps

D
6

Ruskin-Liston Forceps

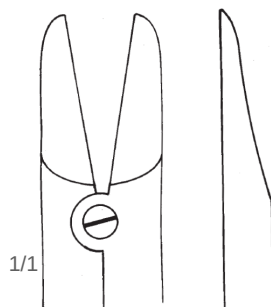


7 1/2" (191mm)
475-38 straight

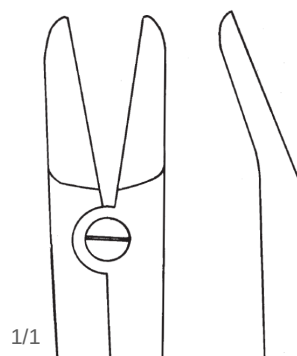


7 1/4" (201mm)
475-42 angled on flat

Ruskin-Liston Forceps (Delicate Blade)



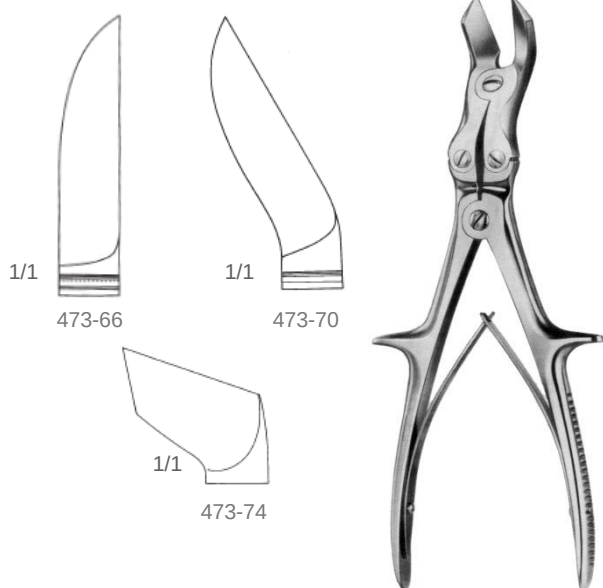
7 1/2" (191mm)
475-40 straight



7 (178mm)
475-41 angled on flat

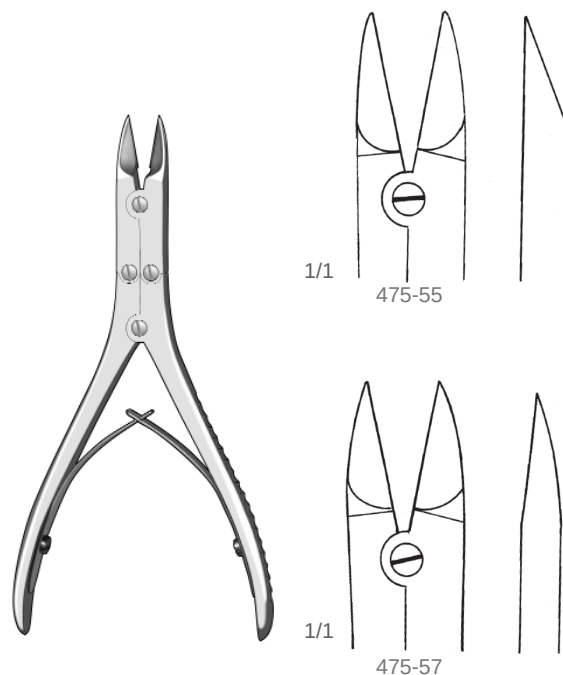
Stille-Liston Forceps

- 473-66 10 1/2" straight
- 473-70 10 1/2" angled on flat
- 473-74 10 1/2" angled

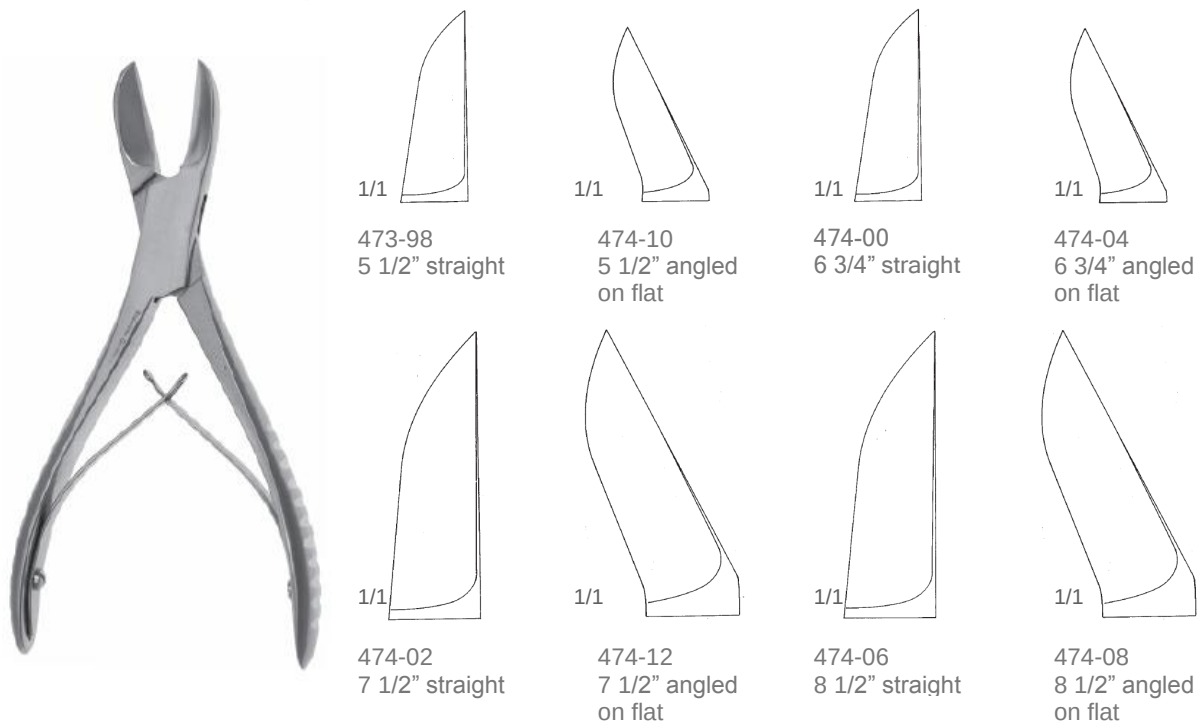


Kleinert-Kutz Forceps

- 475-55 6" straight delicate blades
- 475-57 6" curved delicate blades



Liston Bone Forceps

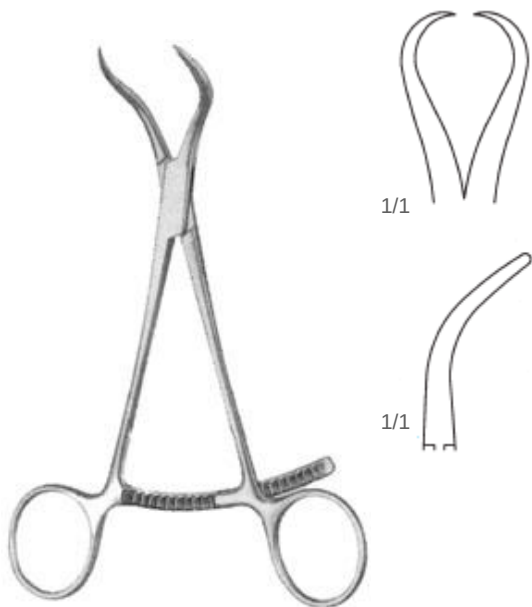


Bone Reduction Forceps

D | 8

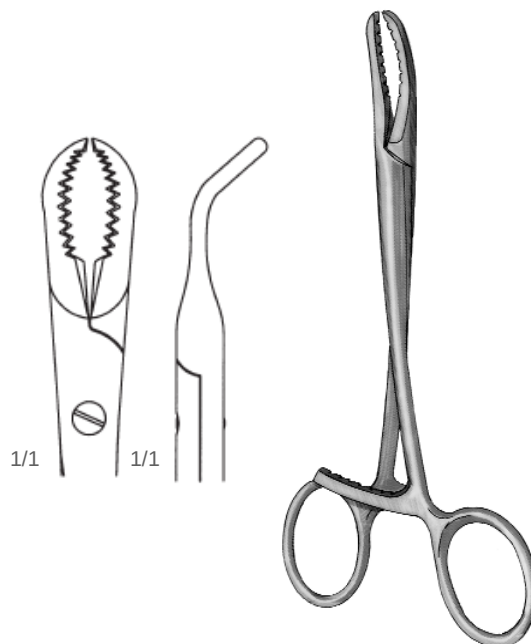
Bone Reduction Forceps

453-00 5" curved, pointed tips



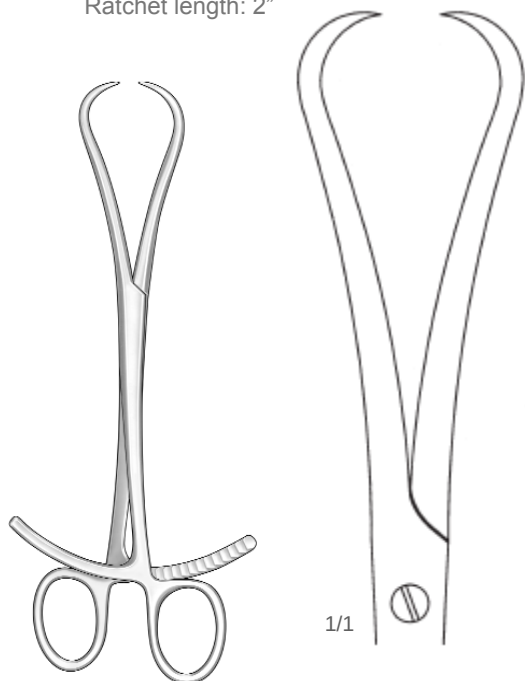
Bone Reduction Forceps

471-28 5 1/2" small curved
Ratchet length: 1 1/8"



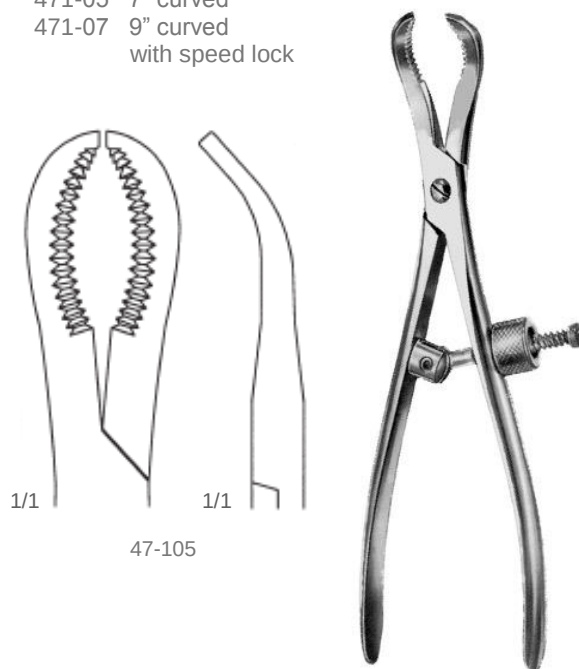
Bone Reduction Forceps

471-34 8" Opens to 4"
Ratchet length: 2"



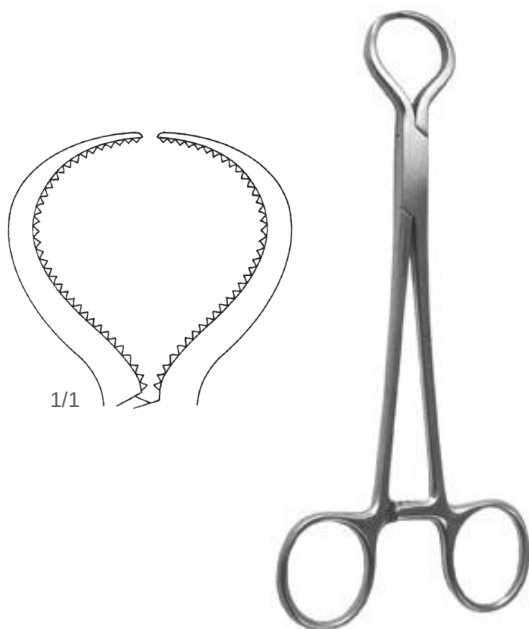
Bone Reduction Forceps

471-05 7" curved
471-07 9" curved
with speed lock



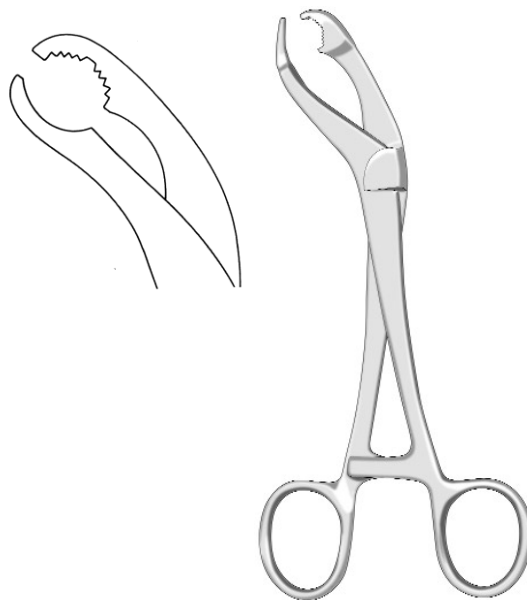
Lewin Bone Forceps

471-30 7" serrated
Slightly curved



Verbrugge Bone Holding Forceps

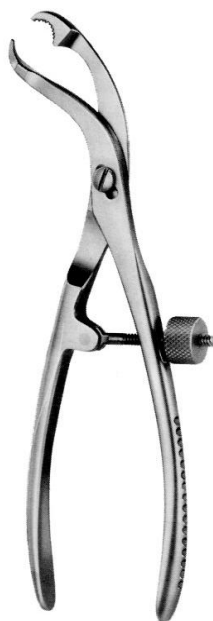
471-20 6 3/4" with short ratchet



Verbrugge Bone Holding Forceps

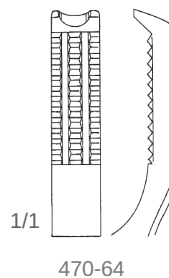
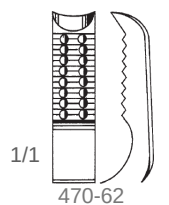
Self centering, with speed lock

470-90 6"
470-92 7 1/2"
470-94 9 1/2"



Kern Bone Forceps

470-62 5 3/4" (146mm) with ratchet
470-64 8 1/2" (216mm) with ratchet

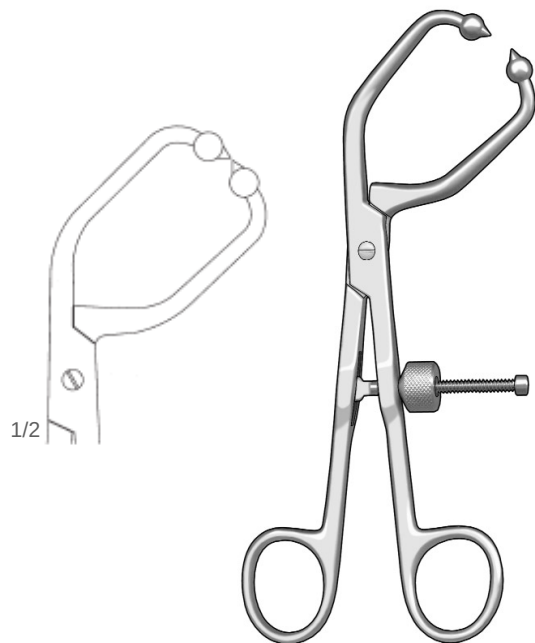


Bone Reduction Forceps

D
10

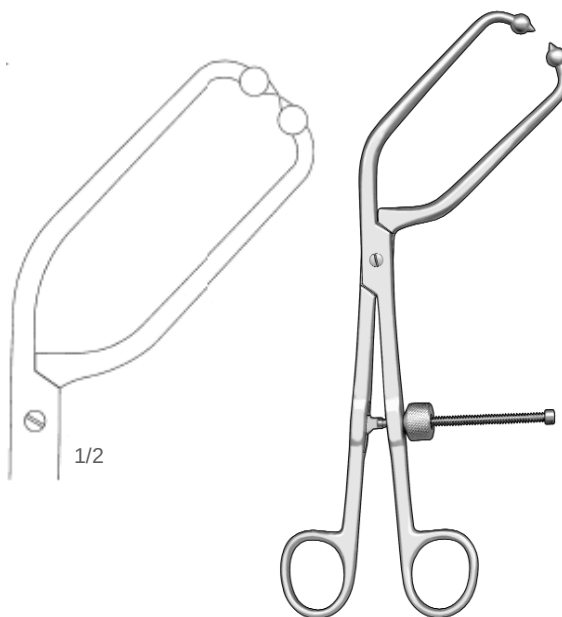
Pelvic Reduction Forceps

453-12 7 3/8" angular
short pointed-ball tip



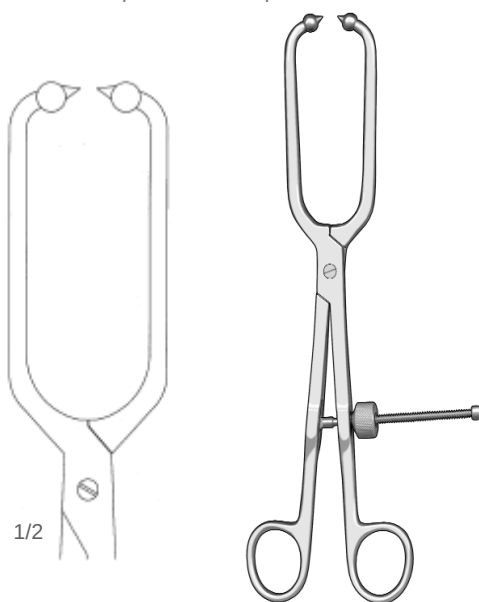
Pelvic Reduction Forceps

453-14 9 5/8" angular
long pointed-ball tips



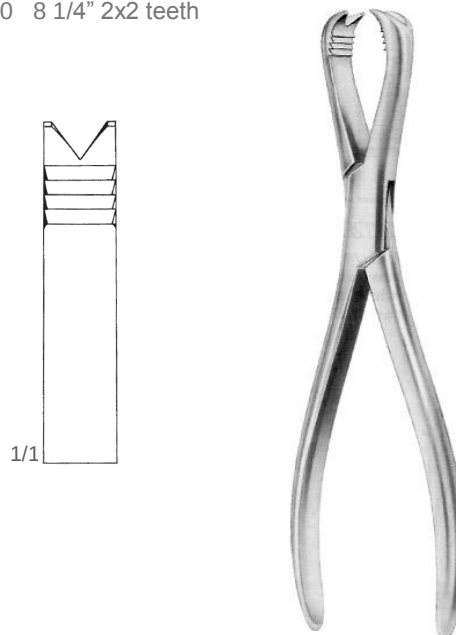
Pelvic Reduction Forceps

Angled tips
471-02 9 7/8"
short pointed-ball tips



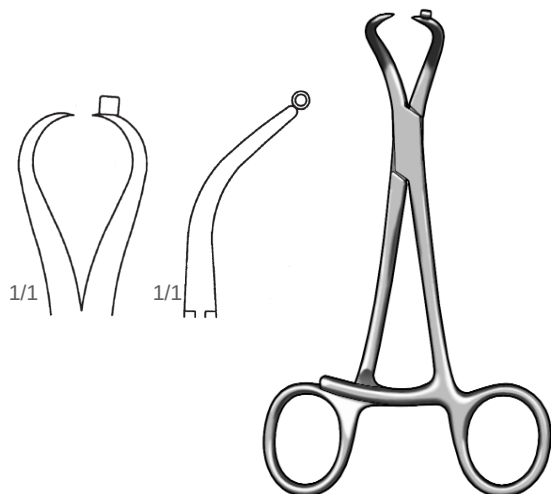
Langenbeck Bone Holding Forceps

472-00 8 1/4" 2x2 teeth



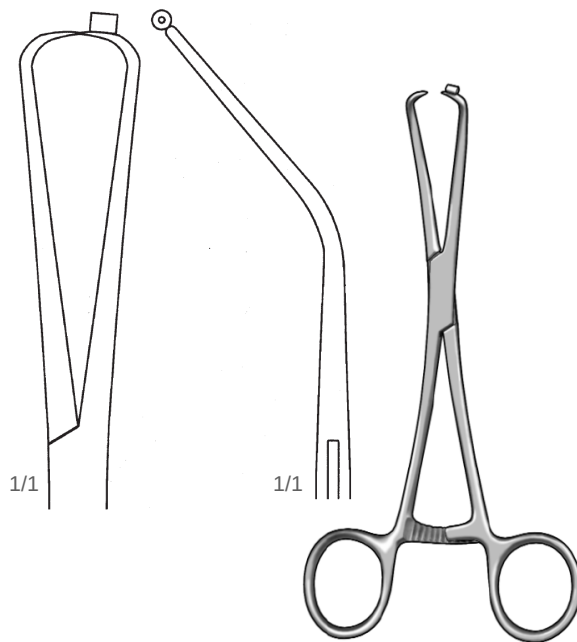
Bone Holding Forceps

453-04 5 1/4" with 1.6mm drill guide



Bone Holding Forceps

453-02 6 3/4" with 0.9mm drill guide



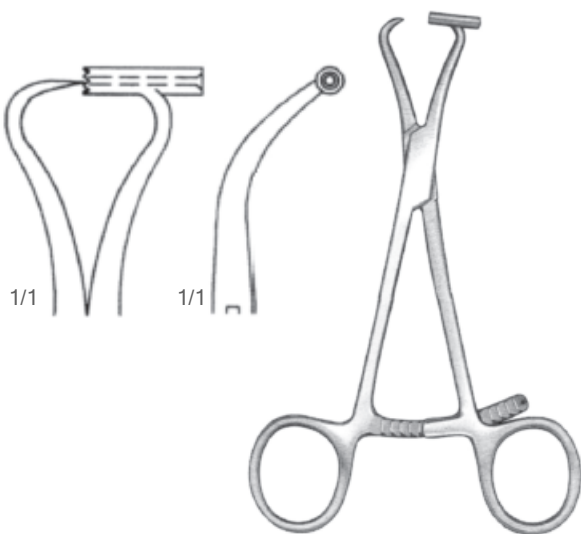
Bone Holding Forceps

Curved

453-05 5" (127mm) 0.035" (0.9mm)

453-06 5" (127mm) 0.045" (1.1mm)

453-07 5" (127mm) 0.062" (1.6mm)



Glenoid Perforating Forceps

6 1/2" (170mm)

469-11 strongly curved pointed tips

469-12 slightly curved pointed tips



Bone Holding Forceps

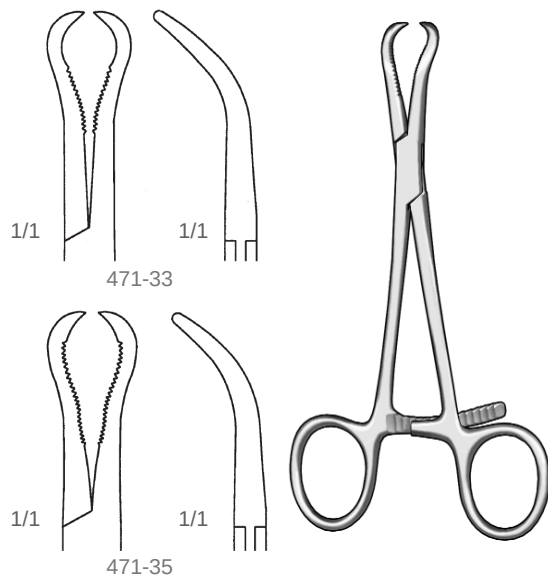
D
12

Bone Reduction Forceps

Serrated with pointed tips

471-33 5" curved

471-35 5 1/2" curved



Verbrugge Bone Holding Forceps Clamp

470-96 10 1/4"

470-98 11"



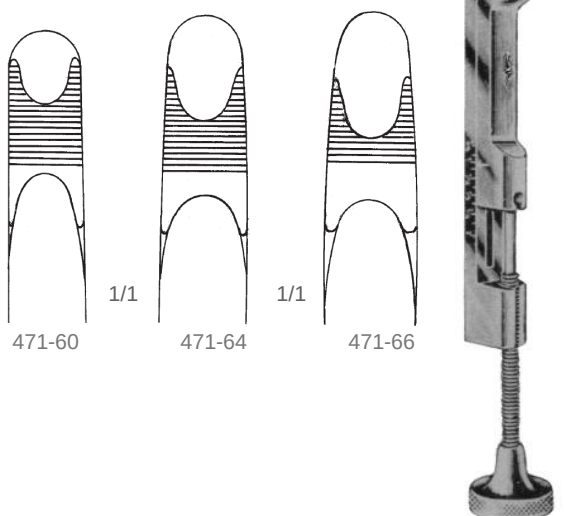
Lowman Bone Clamp

1x1 jaws

471-60 4 3/4"

471-64 7 1/4"

471-66 8"



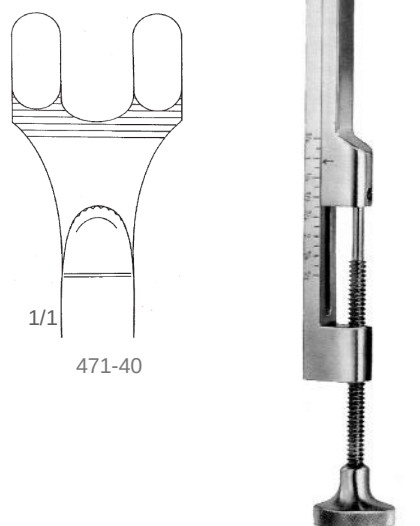
Lowman Bone Clamp

1x2 jaws

471-40 4 3/4"

471-54 7 1/4"

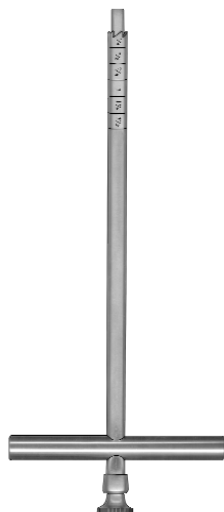
471-56 8"



Michele Trephine

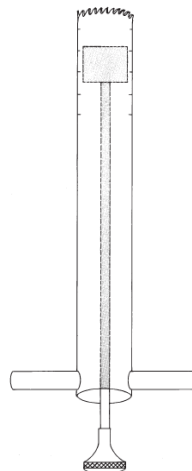
482-39 7" small 3mm i.d. 5mm o.d.
482-40 7" medium 4mm i.d. 6mm o.d.
482-41 7" large 6mm i.d. 8mm o.d.

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



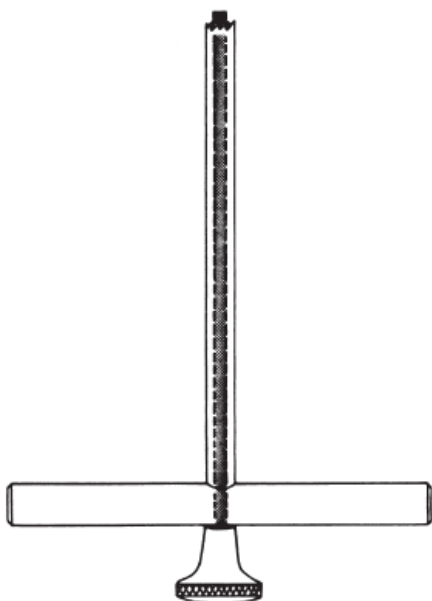
Plug Cutter

6"
698-30 5mm i.d. 7mm o.d.
698-32 7mm i.d. 9mm o.d.
698-34 10mm i.d. 12mm o.d.
698-36 12mm i.d. 14mm o.d.
698-38 20mm i.d. 22mm o.d.
698-40 22mm i.d. 24mm o.d.
i.d. = inside diameter
o.d. = outside diameter



Plug Cutter

482-52
4 1/2" with obturator 3mm i.d. 5mm o.d.



Bone Tamp

6" with cross serrated tip
468-93 2mm diameter
468-94 3mm
468-95 4mm
468-96 5mm
468-97 6mm
468-98 8mm
468-99 10mm



CURETTES, OSTEOTOMES, CHISELS AND GOUGES

SECTION **E**

CONTENTS

Curettes

Osteotomes

Chisels/Gouges

Instrument Racks

Brun (Spratt) Curette

With hollow handle, round cup

6 3/4" straight

- 491-20 #3/0
- 491-21 #2/0
- 491-22 #0
- 491-23 #1
- 491-24 #2
- 491-25 #3
- 491-26 #4



Brun Curette

9" with solid hexagonal handle

Straight

- 465-51 #3/0
- 465-52 #2/0
- 465-53 #0
- 465-54 #1
- 465-55 #2
- 465-56 #3
- 465-57 #4
- 465-58 #5
- 465-59 #6

Angled 45°

- 491-50 #3/0
- 491-51 #2/0
- 491-52 #0
- 491-53 #1
- 491-54 #2
- 491-55 #3
- 491-56 #4
- 491-57 #5
- 491-58 #6

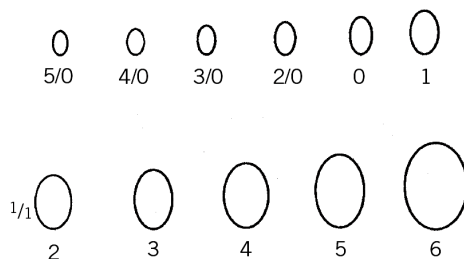


1/1

Angled 45°



Brun (Spratt) Curette with hollow handle, oval cup



7" straight

- 465-11 #5/0
- 465-12 #4/0
- 465-13 #3/0
- 465-15 #2/0
- 465-17 #0
- 465-19 #1
- 465-21 #2
- 465-23 #3
- 465-25 #4
- 465-29 #5
- 465-31 #6

8" straight

- 491-30 #3/0
- 491-31 #2/0
- 491-32 #0
- 491-33 #1
- 491-34 #2
- 491-35 #3
- 491-36 #4
- 491-37 #5
- 491-38 #6

9" straight

- 465-63 #3/0
- 465-64 #2/0
- 465-65 #0
- 465-66 #1
- 465-67 #2
- 465-68 #3
- 465-69 #4
- 465-70 #5
- 465-71 #6

9" angled 45°

- 491-10 #3/0
- 491-11 #2/0
- 491-12 #0
- 491-13 #1
- 491-14 #2
- 491-15 #3
- 491-16 #4
- 491-17 #5
- 491-18 #6



1/1

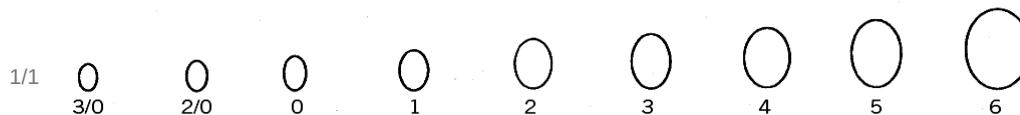
Angled 45°



Curettes

E
2

Cobb Curette 11" with knurled handle



Anodized aluminum handle with stainless steel working end

Straight

464-22 #3/0
464-23 #2/0
464-24 #0
464-25 #1
464-26 #2
464-27 #3
464-28 #4
464-29 #5
464-30 #6

Angled

464-33 #3/0
464-34 #2/0
464-35 #0
464-36 #1
464-37 #2
464-38 #3
464-39 #4
464-40 #5
464-41 #6

All stainless

Straight

464-22S #3/0
464-23S #2/0
464-24S #0
464-25S #1
464-26S #2
464-27S #3
464-28S #4
464-29S #5
464-30S #6

Angled

464-33S #3/0
464-34S #2/0
464-35S #0
464-36S #1
464-37S #2
464-38S #3
464-39S #4
464-40S #5
464-41S #6

Volkman Curette

Oval and round cups

465-60 5" double ended
465-62 6 1/2" double ended
465-61 8" double ended



Scoville Curette

10" with hollow handle



495-74
straight



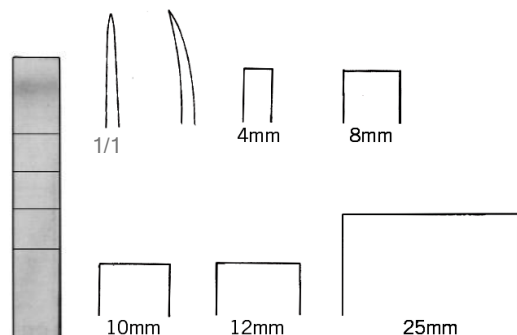
495-76
down angle



495-78
up angle

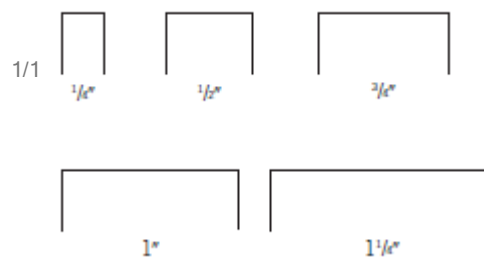


Lambotte Osteotome



7" (178mm) straight with calibration lines

463-48	4mm
463-49	5mm
463-50	6mm
463-58	8mm
463-51	10mm
463-52	12mm
463-53	16mm
463-54	19mm
463-55	22mm
463-56	25mm



9" (229mm) straight without calibration lines

463-04	1/4" (6mm)
463-06	1/2" (13mm)
463-10	3/4" (19mm)
463-14	1" (25mm)
463-18	1 1/4" (32mm)
463-22	1 1/2" (38mm)

9" (229mm) curved without calibration lines

463-28	1/4" (6mm)
463-29	1/2" (13mm)
463-30	3/4" (19mm)
463-31	1" (25mm)
463-32	1 1/4" (32mm)
463-33	1 1/2" (38mm)

Mini-Lambotte Osteotome

5" straight

463-36	4mm
463-38	6mm
463-40	8mm
463-42	10mm
463-44	12mm
463-43	14mm
463-45	15mm
463-46	18mm
463-47	19mm
463-35	20mm



Hoke Osteotome

5 1/4" straight

464-97	1/8" (3mm)
464-98	3/16" (4mm)
464-99	1/4" (6mm)
465-00	5/16" (8mm)
465-01	3/8" (10mm)
465-02	1/2" (13mm)
465-03	5/8" (16mm)
465-04	3/4" (19mm)



Osteotomes

E
4

Smith Peterson Osteotome

8" straight

464-48 1/4"
464-49 3/8"
464-50 1/2"
464-51 5/8"
464-52 3/4"
464-53 1"
464-54 1 1/4"

8" curved

464-57 1/4"
464-58 3/8"
464-59 1/2"
464-60 5/8"
464-61 3/4"
464-62 1"
464-63 1 1/4"



Hibbs Osteotome

9" straight

463-59 1/4"
463-60 3/8"
463-61 1/2"
463-62 5/8"
463-63 3/4"
463-64 7/8"
463-65 1"
463-66 1 1/8"
463-67 1 1/4"
463-68 1 1/2"

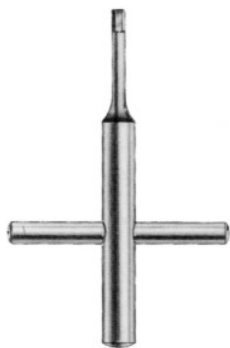
9" curved

463-73 1/4"
463-76 3/8"
463-77 1/2"
463-78 5/8"
463-79 3/4"
463-80 7/8"
463-81 1"
463-82 1 1/8"
463-83 1 1/4"
463-84 1 1/2"



Interchangeable Osteotome, Chisel and Gouge Set

496-30 complete set with handle, key and all blades
496-32 7" phenolic handpiece only

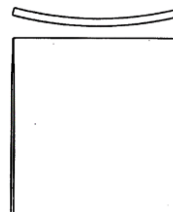


Key
496-34



Osteotome
496-68 5mm
496-72 10mm
496-76 16mm
496-80 25mm

Chisel Blades
496-52 5mm
496-56 10mm
496-60 16mm
496-64 25mm



Gouge Blades
496-40 1" width, 50mm radius
496-44 1" width, 60mm radius
496-48 1" width, 70mm radius

Hoke Chisel

5 1/4" straight

465-05	3/16" (4mm)
465-06	1/4" (6mm)
465-07	3/8" (10mm)
465-08	1/2" (13mm)
465-09	3/4" (19mm)



Hibbs Chisel

9" straight

490-59	1/4"
490-60	3/8"
490-61	1/2"
490-62	5/8"
490-63	3/4"
490-64	7/8"
490-65	1"
490-66	1 1/8"
490-67	1 1/4"
490-68	1 1/2"



9" curved

490-73	1/4"
490-74	3/8"
490-75	1/2"
490-76	5/8"
490-77	3/4"
490-78	7/8"
490-79	1"
490-80	1 1/8"
490-81	1 1/4"
490-82	1 1/2"



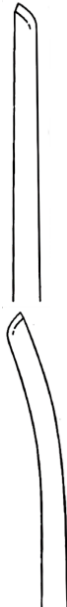
Hibbs Gouge

9" straight

463-87	1/4"
463-88	3/8"
463-89	1/2"
463-90	5/8"
463-91	3/4"
463-92	7/8"
463-93	1"
463-94	1 1/8"
463-95	1 1/4"
464-01	1 1/2"

9" curved

464-02	1/4"
464-03	3/8"
464-04	1/2"
464-05	5/8"
464-07	3/4"
464-08	7/8"
464-09	1"
464-10	1 1/8"
464-11	1 1/4"
464-12	1 1/2"



Smith Peterson Gouge

8" straight

464-66	1/4"
464-67	3/8"
464-68	1/2"
464-76	5/8"
464-77	3/4"
464-78	1"
464-79	1 1/4"



8" curved

464-87	1/4"
464-88	3/8"
464-89	1/2"
464-90	5/8"
464-91	3/4"
464-93	1"
464-95	1 1/4"



Instrument Racks

E
6

Hibbs-Brun Rack

981-80

12" x 8" x 3" (305mm x 203mm x 76mm)
Holds twelve 9" (229mm) Brun Curettes,
Hibbs Chisels, Gouges or Osteotomes



Lambotte Rack

981-90

11 1/2" x 8" x 3" (292mm x 203mm x 76mm)
Holds twelve 9" (229mm) Lambotte Osteotomes

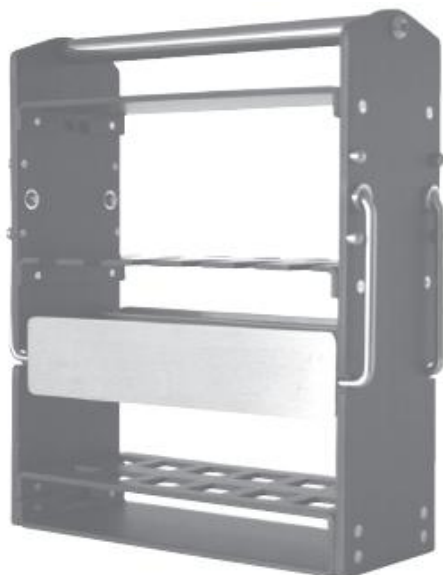


Other style racks available upon request

Brun Rack

981-60

9 1/2" x 8" x 3" (241mm x 203mm x 76mm)
Holds twelve instruments



Cobb Rack

981-70

13" x 12" x 1 7/8" (330mm x 305mm x 48mm)
Holds nine 11" Cobb Curettes, Elevators, or
Gouges



RASPS AND MALLETS

SECTION **F**

CONTENTS

Rasps

Mallets

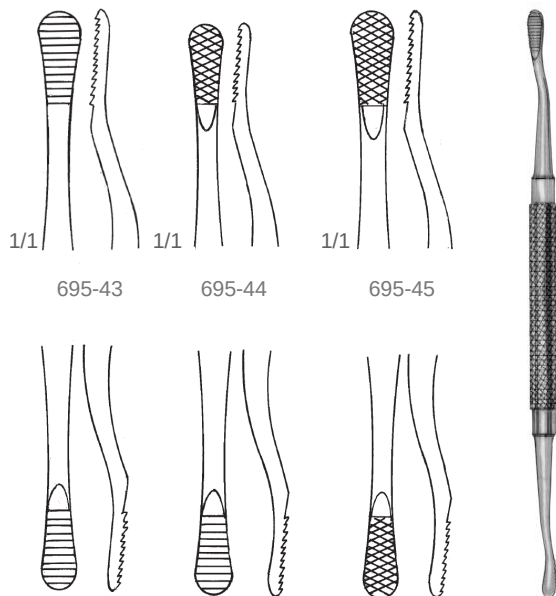
Bone File

7" (178mm) double ended

695-43 #12 plain serrations

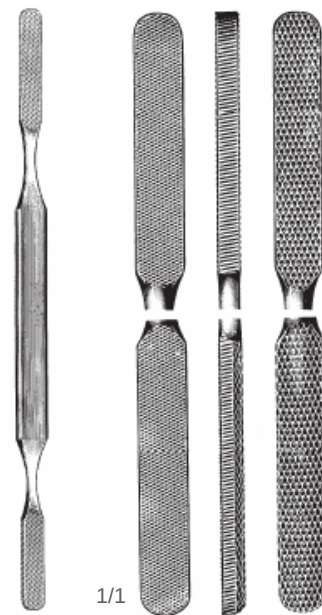
695-44 #12A plain and cross serrations

695-45 #12CA cross serrations



Fomon Rasp

466-55 8 1/2" (216mm) double ended fine and coarse teeth 4-sided, convex and flat

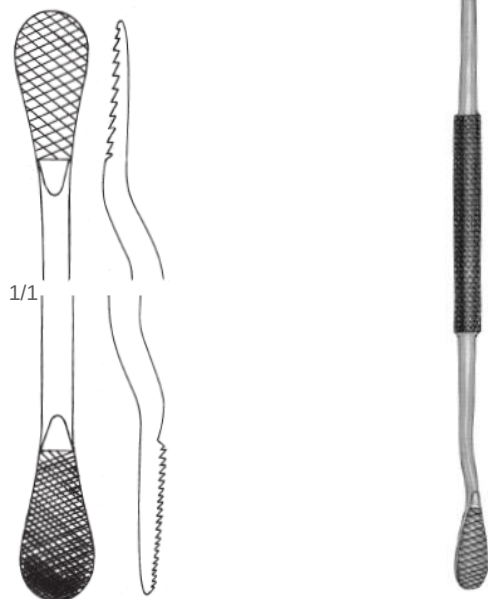


Bone Rasp

695-47 8 1/2" double ended

13mm width

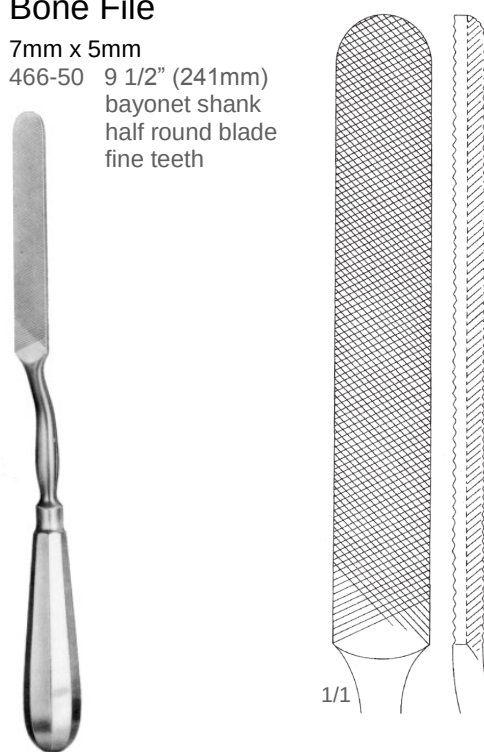
Fine and coarse cross serrations



Bone File

7mm x 5mm

466-50 9 1/2" (241mm)
bayonet shank
half round blade
fine teeth

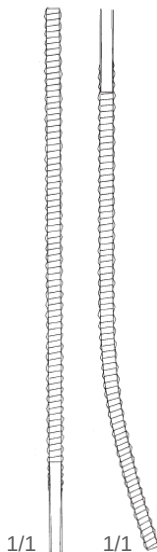


Rasps

F
2

Putti Bone Rasp

466-54 11" (279mm) flat ends
one end curved up,
one end curved sideways



Putti Bone Rasp

466-52 12" (305mm)
one round end
and one half round end



Mallet Lightweight

466-62
7 1/2" (191mm) with two replaceable nylon caps
anodized aluminum handle
Weight: 7 oz. (200 grams)
Head weight: 4 oz. (120 grams)
Head diameter: 25mm



Lucae Bone Mallet

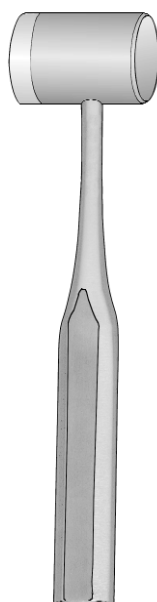
497-61
7 1/2"
Stainless steel handle
Weight: 7 oz. (200 grams)
Head weight: 3 oz. (80 grams)
Head diameter: 19mm



466-60
8" (203mm) brass head
Stainless steel handle
Weight: 9 oz. (260 grams)
Head weight: 5 oz. (150 grams)
Head diameter: 25mm

Combination Mallet

With one nylon cap and one solid stainless side
466-86 7 1/2"
Weight: 9 oz. (260 grams)
Head weight: 5 oz. (150 grams)
Head diameter: 26mm



466-87 7 1/2"
Weight: 12 oz. (340 grams)
Head weight: 8 oz. (240 grams)
Head diameter: 30mm

Kirk Mallet

466-58
7 3/4"
Weight: 1 lb. 7 oz. (650 grams)
Head weight: 1 lb. 4 oz. (570 grams)
Head diameter: 38mm



Mallets

F
4

Orthopedic Mallet

Lightweight

497-63

7" solid stainless steel, short handle

Weight: 1 lb. 2 oz. (500 grams)

Head weight: 8 oz. (240 grams)

Head diameter: 30mm



Orthopedic Mallet

Heavyweight

497-62

7 1/2" solid stainless steel, short handle

Weight: 2 lbs. (900 grams)

Head weight: 1 lb. 5 oz. (600 grams)

Head diameter: 38mm



Heath Mallet Heavyweight

466-63

7 1/2" (191mm) solid stainless steel

Weight: 2 lbs. (900 grams)

Head weight: 1 lb. 4 oz. (570 grams)

Head diameter: 40mm



Orthopedic Mallet lightweight

466-66

10 3/4" solid stainless steel

Weight: 2 lbs. (900 grams)

Head weight: 1 lb. (455 grams)

Head diameter: 32mm



Phenolic Handle Mallet

466-89 11"

Weight: 2 lbs. 9 oz. (1160 grams)

Head weight: 2 lbs. (900 grams)

Head diameter: 45mm



Orthopedic Mallet heavyweight

466-67

10 1/2" solid stainless steel

Weight: 3 lbs. (1360 grams)

Head weight: 2 lbs. (900 grams)

Head diameter: 48mm



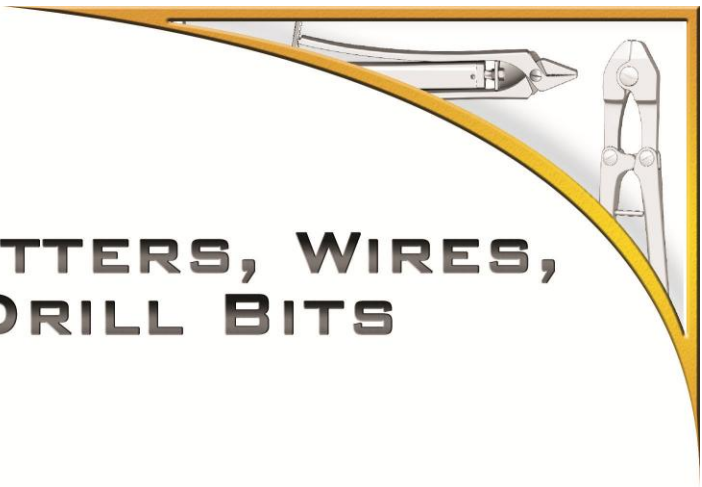
Heavyweight Mallet

466-98

9" solid stainless steel handle

Weight: 5 lbs. (2268 grams)





PLIERS, WIRE CUTTERS, WIRES, PINS, AND DRILL BITS

SECTION G

CONTENTS

Pliers

Wire Cutters/Wire Twisters

Double Action Wire/Pin Cutters

Kirschner Wires

Steinmann Pins

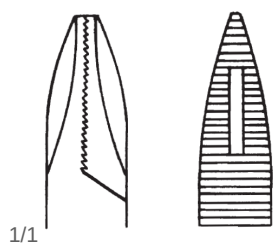
Drill Bits/Drill Bit Cases

K-Wire/Pin Dispensers

Wire/Pin Covers

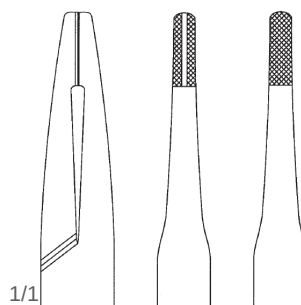
Needle Nose Pliers

482-45 5 1/2" (140mm)
for wire manipulation



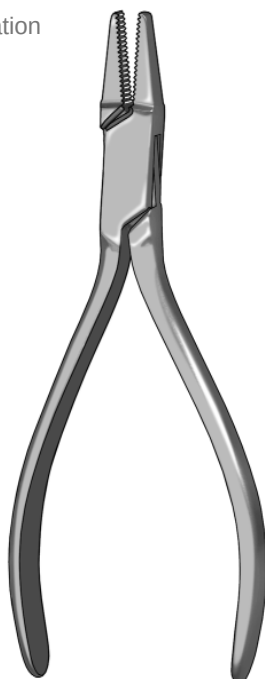
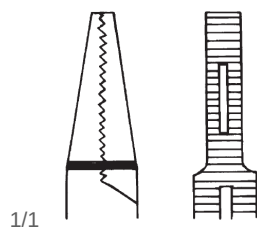
Pin Pulling Pliers

465-78 5 1/2" with tungsten
carbide inserts 3mm tip



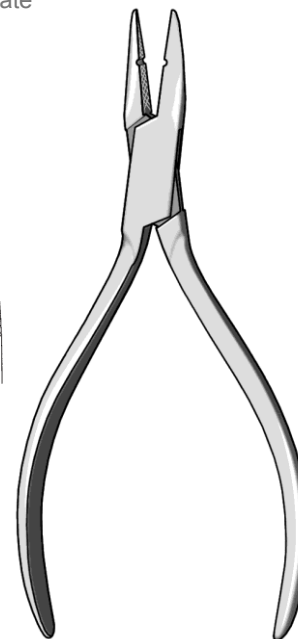
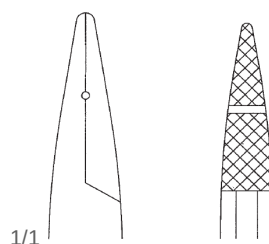
Flat Nose Pliers

482-46 5 1/2" (140mm)
for wire manipulation



Needle Nose Pliers

482-42 5 1/2" delicate

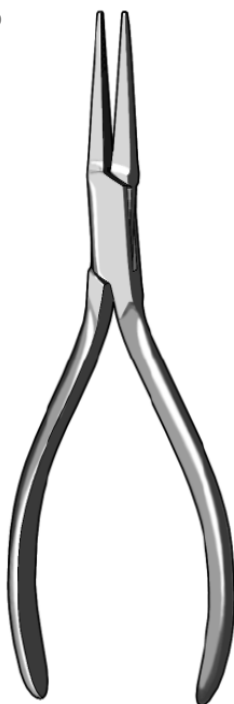
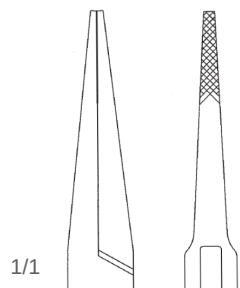


Pliers

G
2

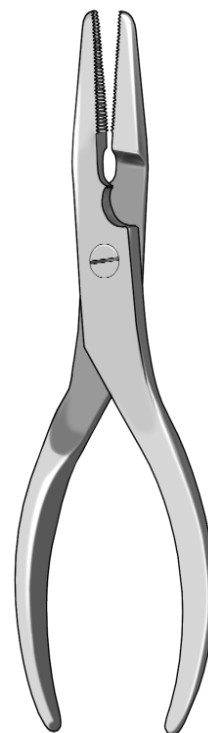
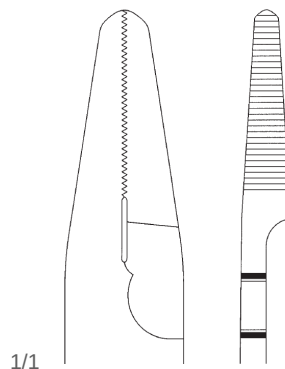
Flat Nose Pliers

482-48 6" delicate 2mm tip



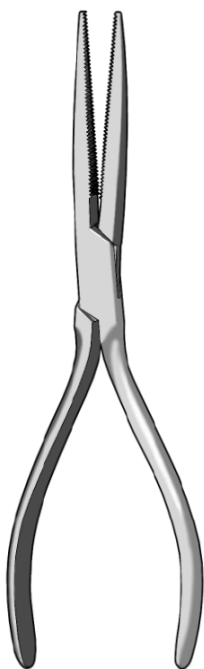
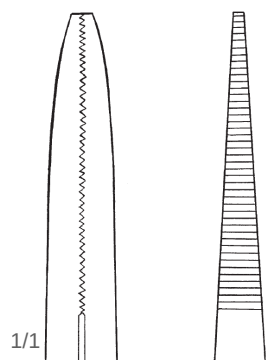
Flat Nose Pliers

482-43 6 1/2" 3.5mm tip



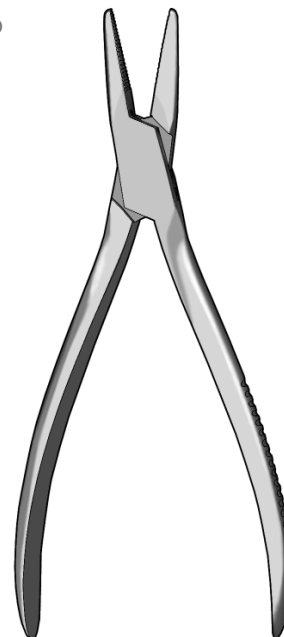
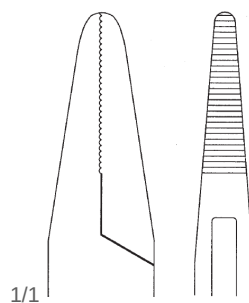
Long Jaw Needle Nose Pliers

482-50 7" parallel grooved jaws
Jaw length: 2 1/4"
2mm tip



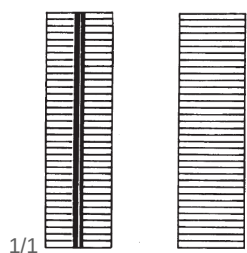
Narrow Nose Wire Pulling Forceps

482-53 7 1/2" 3mm tip



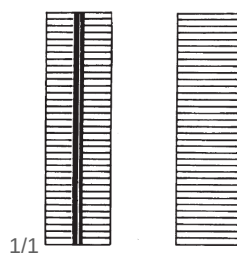
Parallel Pliers

486-04 7" 10mm tip
Maximum opening 1/2"



Parallel Pliers

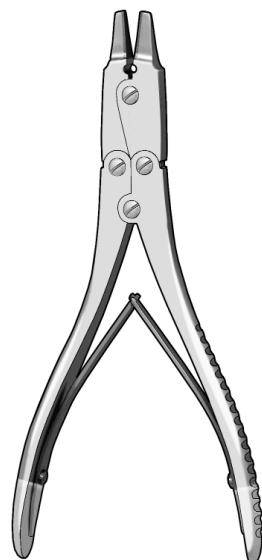
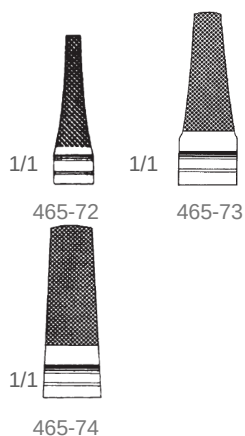
With cutter
486-05 7"
10mm tip
Maximum opening 1/2"



Maximum capacity
0.062" (1.6mm)

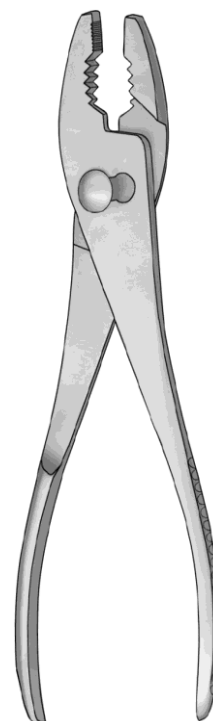
Double Action Wire Extraction Pliers

7"
465-72 2mm delicate jaw, carbide
465-73 4mm jaw, carbide
465-74 6mm jaw, carbide



Slip Joint Pliers

482-62 8"
10mm tip
Maximum opening 2"

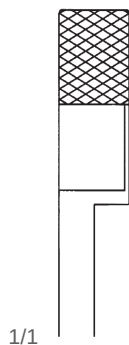


Pliers

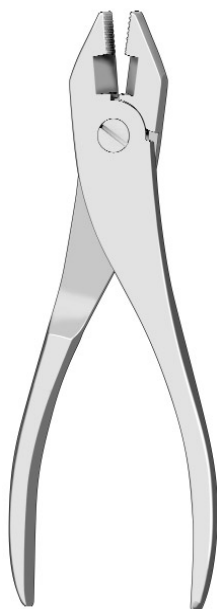
G
4

Lineman Pliers

With cutting edge
482-59 8 1/2" side cutting

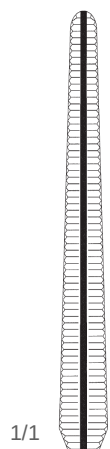


Maximum capacity
0.062" (1.6mm)



Needle Nose Locking Pliers

486-06 9 1/2"
Length of jaw 2 1/2"
Tip width 5mm
Jaws are parallel at 3mm
486-10 12"
Length of jaw 3"
Tip width 7mm
Jaws are parallel at 5mm



486-06



Locking Pliers

Heavy Duty Locking jaw

Small

486-00 6 3/4"
Tip width 7mm
Maximum opening 1"

Medium

486-02 8"
Tip width 9mm
Maximum opening 1"

Large

486-08 10"
Tip width 13mm
Maximum opening 1 1/2"



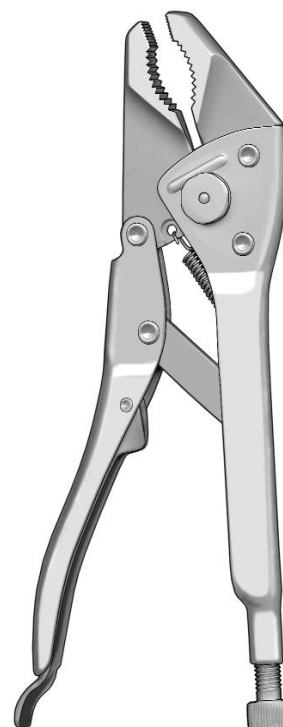
486-00



486-02



486-08



Slaphammers Also Available

G | 4

www.PerformanceOR.com
877.698.5131 tel.
651.698.2083 fax

Wire Cutting Scissors

4" (102mm)

Straight

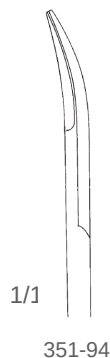
351-68 smooth

351-70 one serrated blade

Curved

351-92 smooth

351-94 one serrated blade



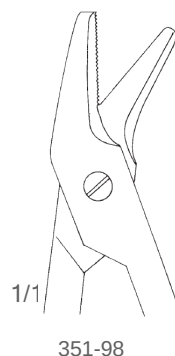
Wire Cutting Scissors

351-98 4 3/4" (121mm)

one serrated blade,
angular

352-00 4 3/4" (121mm)

one serrated blade,
angular carbide

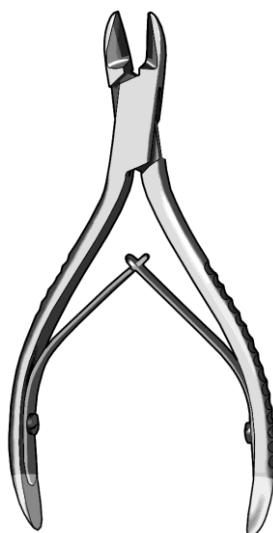


Pediatric Wire Cutter

466-22 4 3/4" (121mm)
carbide inserts



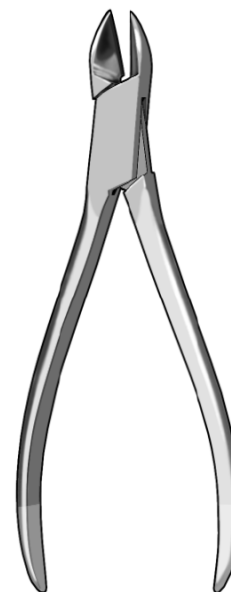
Maximum capacity
0.028" (0.7mm)



K-Wire Side Cutter

497-34 6" side cutting
Welded carbide jaws

Maximum capacity
0.045" (1.1mm)



Wire/Pin Cutters

G
6

Diamond Pin Cutter

466-51 6 1/4" end cutting

Maximum capacity
5/64" (2.0mm)

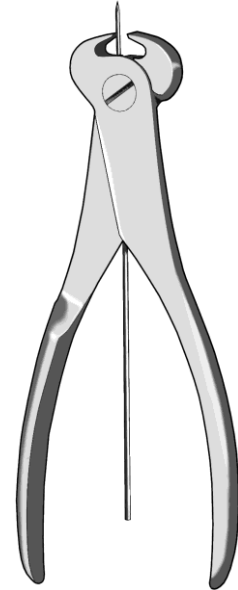


Cannulated Pin Cutter

466-47 7 1/2" (191mm)

1/1

Maximum capacity
0.062" (1.6mm)



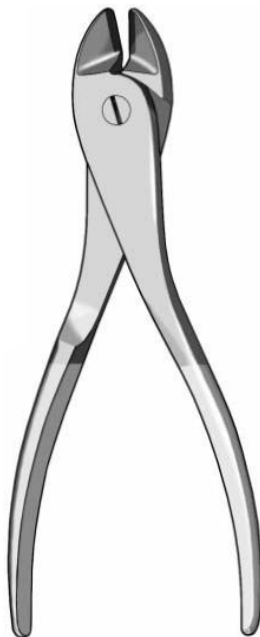
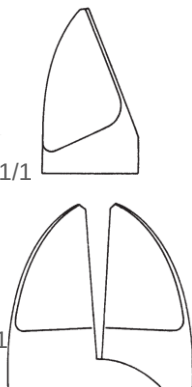
Side Bite Wire Cutter

466-21 7" (178mm) welded carbide
jaws

1/1

1/1

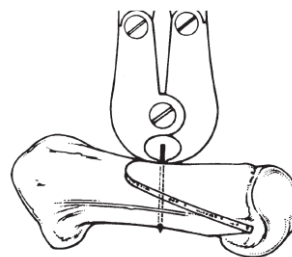
Maximum capacity
0.062" (1.6mm)



Flush Wire Cutter

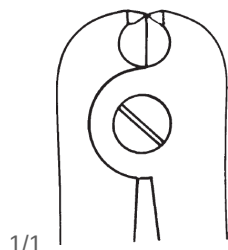
466-31 7" front and side cutting
With carbide inserts, double
action

Maximum capacity
0.062" (1.6mm)



Wire Cutter

466-25 7" (178mm) front and side cutting
with carbide inserts, double action

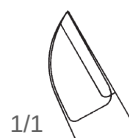
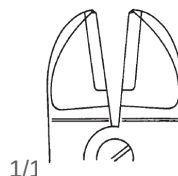


Maximum capacity
0.062" (1.6mm)

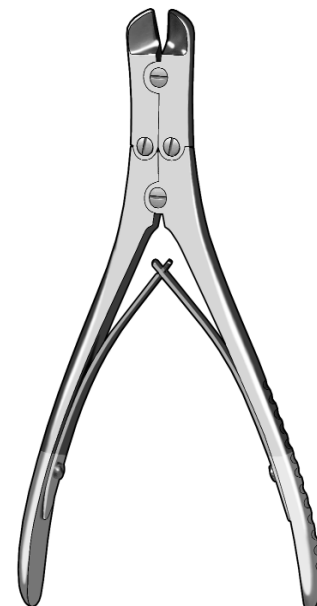


Double Action Wire Cutter

466-23 7" (178mm)
angled carbide inserts

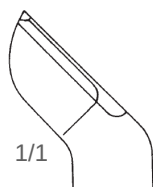
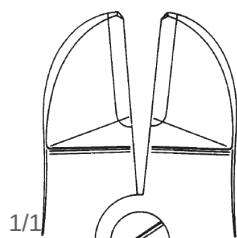


Maximum capacity
0.062" (1.6mm)



Double Action Wire Cutter

466-24 8 1/2" (216mm) angled carbide
inserts



Maximum capacity
3/32" (2.4mm)



End Cutter

497-38 8 1/2" end cutting
Welded carbide jaws

Maximum capacity
3/32" (2.4mm)



Double Action Wire/Pin Cutters

G | 8

Side Cutter

497-36 9" side cutting
Welded carbide jaws

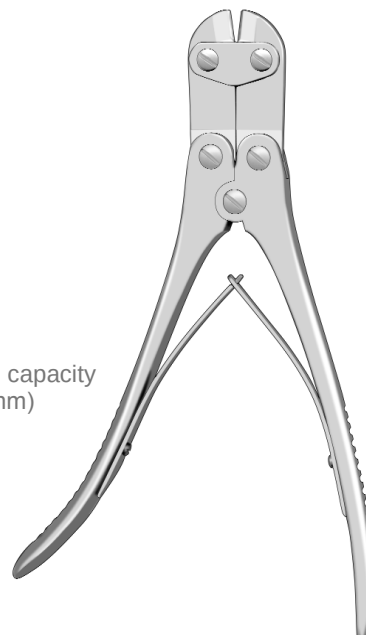
Maximum capacity
3/32" (2.4mm)



Double Action Pin Cutter

498-00 9 1/2" side cutting

Maximum capacity
1/8" (3.2mm)



Pin Cutter (Small)

466-32 10" end cutting

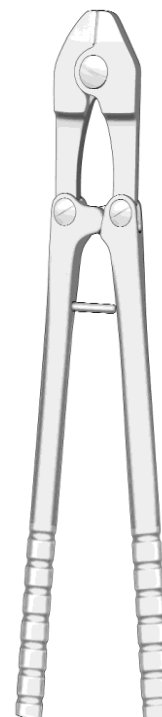
Maximum capacity
1/8" (3.2mm)



Side Pin Cutter

466-29 15" side cutting
With carbide inserts

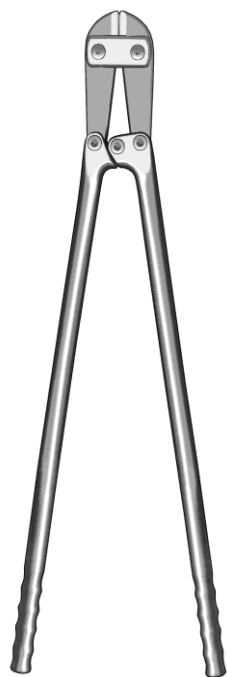
Maximum capacity
5/32" (4.0mm)



Pin Cutter (Large)

466-26 22" (559mm) side cutting

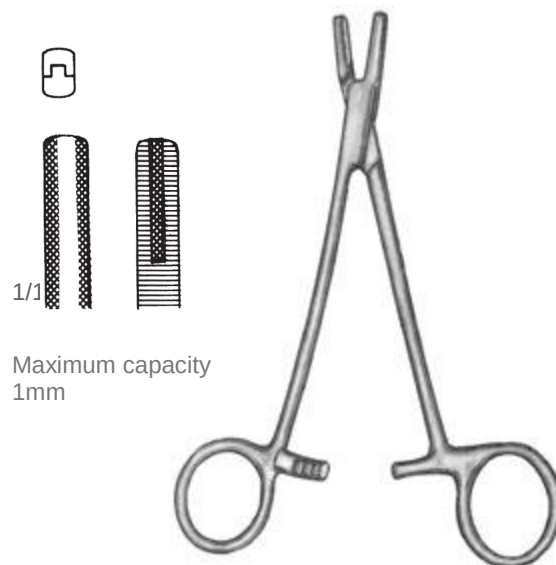
Maximum capacity
1/4" (6.3mm)



Wire Pulling Forceps

466-37 6 1/2"

Maximum capacity
1mm



Wire Twisting Forceps

483-22 8" with carbide inserts 4mm tip



Jet Wire Twister

498-10 11" 10mm tip



Kirschner Wires

G
10

Kirschner Wires

Single Trocar End/Round End



Diameter	Length				
	4"	5"	6"	9"	12"
0.028" (.7mm)	711-30	711-70	711-78	711-50	711-60
0.035" (.9mm)	711-31	711-71	711-80	711-51	711-61
0.045" (1.1mm)	711-32	711-72	711-82	711-52	711-62
0.054" (1.4mm)	711-33	711-74	711-83	711-53	711-64
0.062" (1.6mm)	711-34	711-75	711-85	711-54	711-63
0.062" 25mm part thrd				713-06	
0.062" 45mm part thrd				713-16	
0.035" full thrd				713-04	
0.045" full thrd				713-05	
0.062" full thrd				713-10	

Single Diamond End/Round End



	Length				
	4"	5"	6"	9"	12"
712-30				712-40	712-50
712-31		712-36		712-41	712-51
712-32		712-37		712-42	712-52
712-33		712-38		712-44	712-54
712-34				712-43	712-53

Double Trocar End



Diameter	Length				
	4"	5"	6"	9"	12"
0.028" (.7mm)	711-00	711-05	710-21	711-10	711-20
0.035" (.9mm)	711-01	711-06	710-22	711-11	711-21
0.045" (1.1mm)	711-02	711-07	710-23	711-12	711-22
0.054" (1.4mm)	711-04	711-08	710-24	711-14	711-24
0.062" (1.6mm)	711-03	711-09	710-25	711-13	711-23
0.054" 15mm part thrd			712-94		
0.062" 15mm part thrd			712-95		
0.062" 25mm part thrd				712-96	
0.035" full thrd			712-90	713-01	
0.045" full thrd			712-91	713-02	
0.062" full thrd			712-93	713-03	

Double Diamond End



	Length				
	4"	5"	6"	9"	12"
712-00		712-05	710-30	712-10	
712-01		712-06	710-31	712-11	
712-02		712-07	710-32	712-12	
712-03		712-08	710-34	712-14	
712-04		712-09	710-33	712-13	
			712-97		
			712-98		
				713-11	
				713-12	
				713-13	

Steinmann Pins

Single Trocar End/Rd End



Length

Diameter	9"	12"
5/64" (2.0mm)	715-10	716-74
3/32" (2.4mm)	715-13	716-76
7/64" (2.8mm)	715-16	716-77
1/8" (3.2mm)	715-19	716-80
9/64" (3.5mm)	715-22	716-81
5/32" (4.0mm)	715-25	716-82
.177" (4.5mm)	715-28	716-83
5/64" full thrd	717-70	
3/32" full thrd	717-73	
7/64" full thrd	717-76	
1/8" full thrd	717-79	
9/64" full thrd	717-82	
5/32" full thrd	717-85	
.177" full thrd	717-88	
1/8" 15mm part thrd	715-39	
5/64" 25mm part thrd	715-40	
3/32" 25mm part thrd	715-43	
7/64" 25mm part thrd	715-46	
9/64" 25mm part thrd	715-52	
5/32" 25mm part thrd	715-55	

Double Trocar End



Length

9"	12"
714-50	717-90
714-53	
714-56	
714-59	
714-62	
714-65	
714-68	
717-50	
717-53	
717-56	
717-59	
717-62	
717-65	
717-68	
715-63	
715-75	

Single Diamond End/Rd End



Length

Diameter	9"
5/64" (2.0mm)	716-60
3/32" (2.4mm)	716-63
7/64" (2.8mm)	716-66
1/8" (3.2mm)	716-69
9/64" (3.5mm)	716-72
5/32" (4.0mm)	716-75
.177" (4.5mm)	716-78
5/64" full thrd	717-00
3/32" full thrd	717-03
7/64" full thrd	717-06
1/8" full thrd	717-09
9/64" full thrd	717-12
5/32" full thrd	717-15
.177" full thrd	717-18

Double Diamond End



Length

9"	12"
716-00	
716-03	
716-06	
716-09	
716-12	
716-15	716-25
716-18	
717-30	
717-33	
717-36	
717-39	
717-42	
717-45	
717-48	

Drill Bits/Drill Bits Case

G
12

Twist Drill Bits

5" Drill Bits w/Jacobs Chuck

Diameter	Item #
1.0mm	481-29
1.5mm	481-30
2.0mm	481-32
2.4mm	481-34
2.5mm	481-35
2.7mm	481-36
3.2mm	481-37
3.5mm	481-38
4.0mm	481-40
4.5mm	481-41
4.7mm	481-42
5.0mm	481-45
6.0mm	481-43
6.4mm	481-44



5" Drill Bit Sterilization Case

Anodized aluminum
481-01 holds 13 twist drill bits

Holds:
2 – 1.5mm
2 – 2.0mm
2 – 2.5mm
1 each: 2.7, 3.2,
3.5, 4.0, 4.5, 4.7,
and 5.0mm



Drill bits sold separately

SQC Drill Bits

Drill Bits w/Quick Coupling End

Diameter x Length	Item #
1.1mm x 60mm	480-51
1.5mm x 85mm	480-52
2.0mm x 100mm	480-54
2.0mm x 125mm	480-55
2.5mm x 110mm	480-57
2.7mm x 100mm	480-58
3.2mm x 145mm	480-61
3.2mm x 195mm	480-60
3.5mm x 110mm	480-63
3.5mm x 195mm	480-50
4.5mm x 145mm	480-67
4.5mm x 195mm	480-68
6.0mm x 195mm	480-69



5" Drill Bit Sterilization Case

Anodized aluminum
481-00 holds 19 drill bits



Drill bits sold separately

K-Wire Dispenser

K-Wire Dispenser 6 1/4"

PM#	LENGTH	DIAMETER	QTY HELD
710-01	up to 6"	.028" (0.7mm)	100
710-02	up to 6"	.035" (0.9mm)	50
710-03	up to 6"	.045" (1.1mm)	40
710-04	up to 6"	.054" (1.4mm)	25
710-06	up to 6"	.062" (1.6mm)	20



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

K-Wire Dispenser 12 1/4"

PM#	LENGTH	DIAMETER	QTY HELD
710-12	up to 12"	.035" (0.9mm)	50
710-13	up to 12"	.045" (1.1mm)	40
710-14	up to 12"	.054" (1.4mm)	25
710-16	up to 12"	.062" (1.6mm)	20
710-17	up to 12"	5/64" (2.0mm)	10
710-19	up to 12"	3/32" (2.4mm)	5



Other size Dispensers available

Vickers K-Wire Dispenser

	LENGTH	CHAMBER #1		CHAMBER #2		CHAMBER #3		CHAMBER #4	
		DIAMETER	QTY HELD	DIAMETER	QTY HELD	DIAMETER	QTY HELD	DIAMETER	QTY HELD
465-42	6"	.028" (0.7mm)	60	.035" (0.9mm)	40	.045" (1.1mm)	30	.062" (1.6mm)	18
465-38	12"	.028" (0.7mm)	60	.035" (0.9mm)	40	.045" (1.1mm)	30	.062" (1.6mm)	18
465-39	12"	.070" (1.8mm)	15	5/64" (2.0mm)	12	.086" (2.2mm)	10	3/32" (2.4mm)	8



465-42 for 6" wire



465-39 for 12" wire

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

K-Wire and Steinmann Pin Covers



Sterile – (12 packages of 2 covers with sheaths per box)
NS - non-sterile - (50 covers with sheaths per box)

Product Number	Size	Color
C-028	0.028" (0.7mm)	Yellow
C-028NS	0.028" (0.7mm)	Yellow
C-035	0.035" (0.9mm)	Blue
C-035NS	0.035" (0.9mm)	Blue
C-045	0.045" (1.1mm)	White
C-045NS	0.045" (1.1mm)	White
C-054	0.054" (1.4mm)	Red
C-054NS	0.054" (1.4mm)	Red
C-062	0.062" (1.6mm)	Green
C-062NS	0.062" (1.6mm)	Green
C-125	1/8" (3.2mm)	Lavender
C-125NS	1/8" (3.2mm)	Lavender
C-188	3/16" (4.5mm)	Orange
C-188NS	3/16" (4.5mm)	Orange
C-093	3-32" (2.4mm)	Gray
C-093NS	3-32" (2.4mm)	Gray
C-156	5/32" (4mm)	Navy
C-156NS	5/32" (4mm)	Navy
C-078	5/64" (2mm)	Pink
C-078NS	5/64" (2mm)	Pink
C-109	7/64" (2.8mm)	Tan
C-109NS	7/64" (2.8mm)	Tan
C-141	9/64" (3.5mm)	Brown
C-141NS	9/64" (3.5mm)	Brown

FOOT AND ANKLE



SECTION **H**

CONTENTS

Nail Nippers

Nail Splitters

Elevators

Spreaders

Hand Instruments

Tissue Nippers

Stainless

692-90 4" 6mm
692-91 4" 9mm
692-92 4 1/2" 11mm
692-94 5" 14mm

Chrome single spring

692-76 4" 6mm
692-78 4" 9mm
692-93 4 1/2" 11mm
692-95 5" 14mm



692-90
692-76



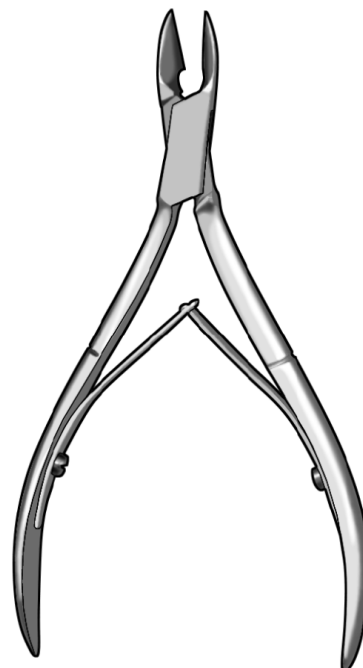
1/1
692-91
692-78



1/1
692-92
692-93



1/1
692-94
692-95



Nail Splitter

Stainless

693-41 4" tapered
693-42 4 1/2" tapered
693-43 5" tapered
693-44 6" tapered
694-48 4 1/2" delicate



1/1



1/1
693-41



693-42



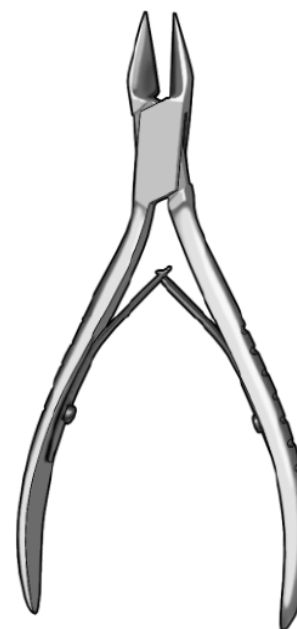
693-43



693-44



694-48



Nail Nippers/Splitters

H
2

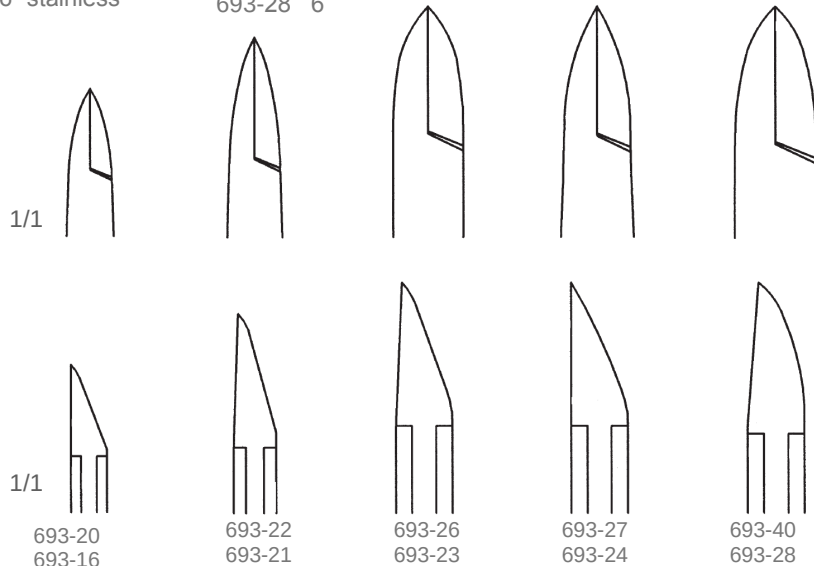
Nail Splitter

Stainless

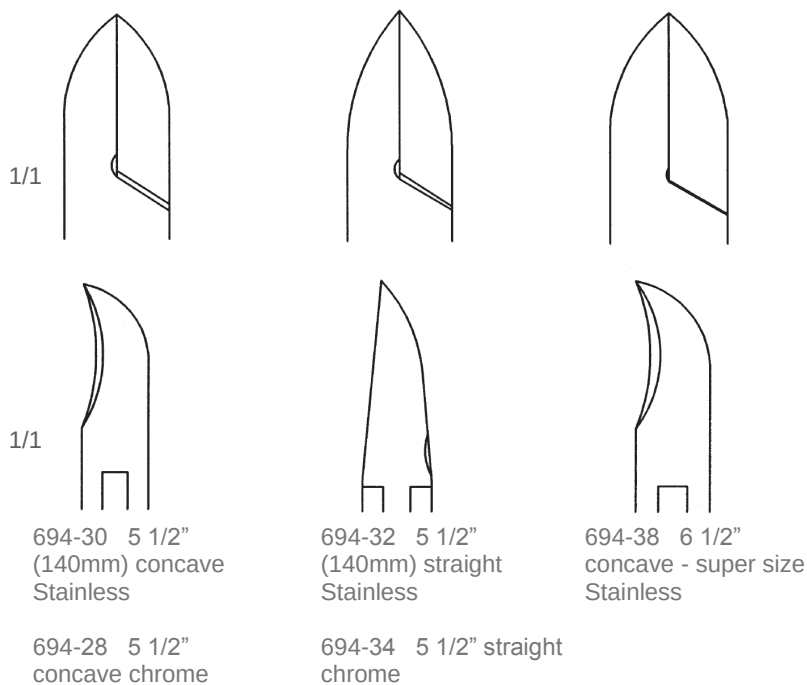
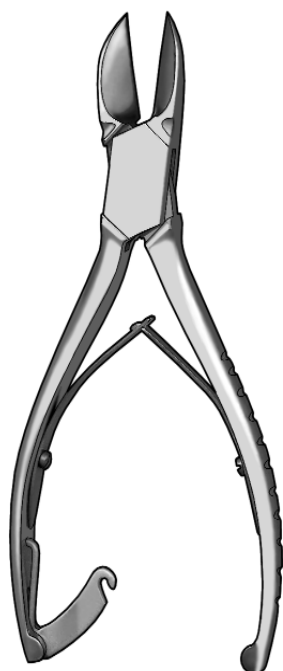
693-20 4"
693-22 4 1/2"
693-26 5" heavy jaw
693-27 5" narrow jaw
693-40 6" stainless

Single Spring Chrome

693-16 4"
693-21 4 1/2"
693-23 5" heavy jaw
693-24 5" narrow jaw
693-28 6"



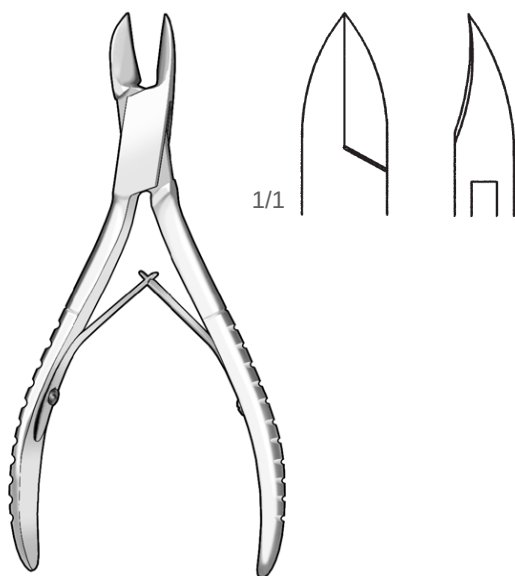
Nail Nipper



H | 2

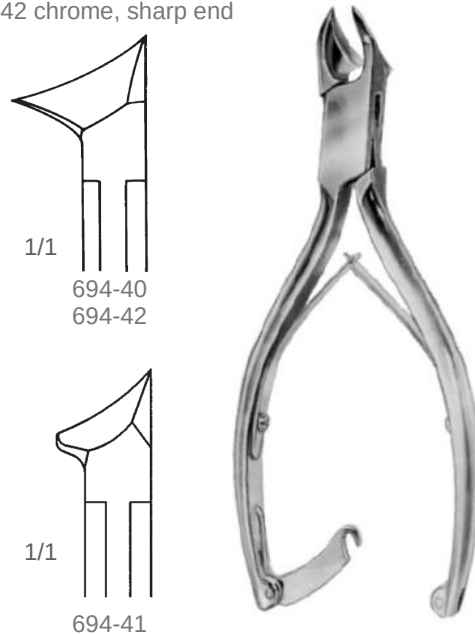
Nail Nipper

694-18 5 1/2" concave
narrow stainless



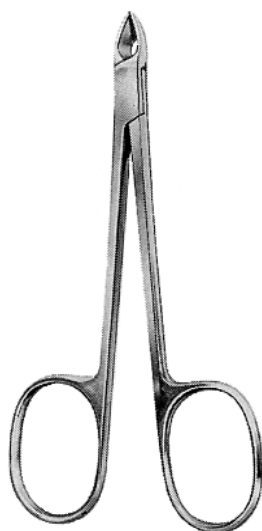
Nail Nipper

5 1/2" angled, concave
694-40 stainless, sharp end
694-41 stainless, blunt end
694-42 chrome, sharp end



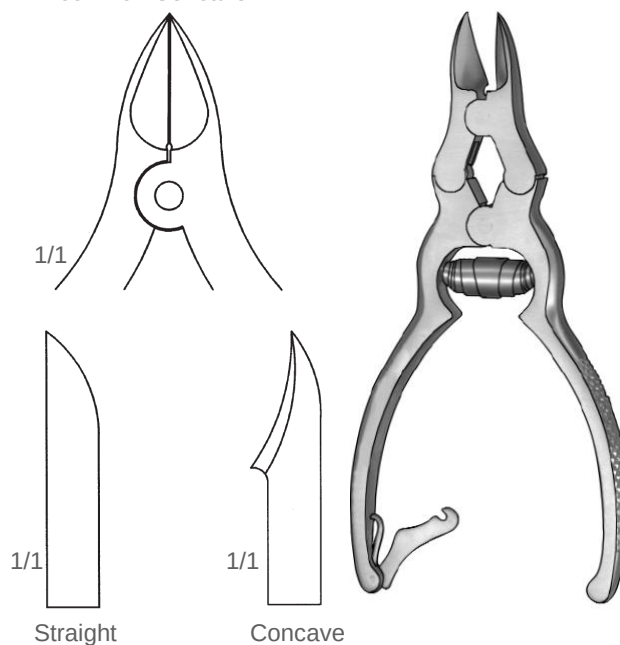
Cuticle Nipper

692-58 4" 6mm chrome ring handle



Mycotic Nail Nipper

6" stainless, double action, barrel spring
694-45 Straight
694-46 Concave

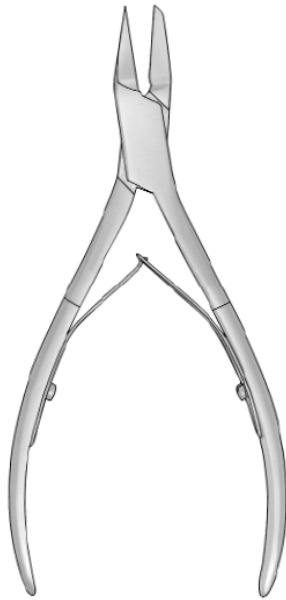


Nail Forceps/Scissors

H
4

Ingrown Nail Forceps

693-48 5" (127mm)
anvil pattern narrow blade



Ingrown Nail Splitting Scissors

698-05 6" One serrated blade



Platypus Nail Removing Forceps

697-92 5 1/2", 3mm narrow
697-93 5 1/2", 6mm broad



Nail Spicule Forceps

693-52 5 1/2"



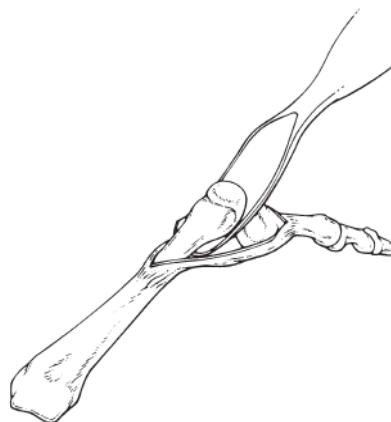
Crego Periosteal Elevator

- 462-44 7 1/2" blunt full curved
width: 9/16" (15mm)
- 462-45 7 1/2" blunt slightly curved
width: 9/16" (15mm)
- 462-46 7 3/4" blunt full curved
width: 9/32" (7mm)
- 462-48 8" blunt slightly curved
width: 9/32" (7mm)



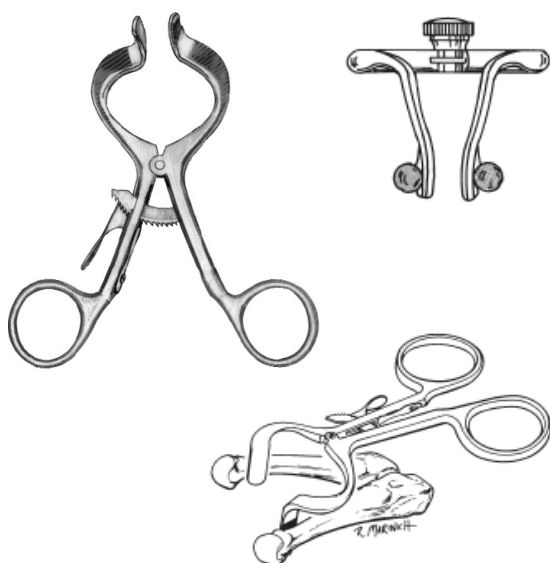
McGlamry Metatarsal Elevator

- 697-60 6 1/2" sharp
Width: 11mm
- 697-62 6 1/2" sharp
Width: 13mm
- 697-64 6 1/2" sharp
Width: 15mm
- 697-66 6 1/2" sharp
Width: 17mm



Cox Metatarsal Spreader

- 699-90 4 1/2"
8mm x 28mm blades



Joint and Calcaneal Spreader

- 482-23 6 3/4" (171mm)

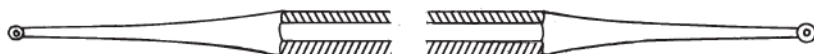


Hand/Foot Instruments

H
6

Hand/Foot Instruments

Double Ended Solid Octagon Handles

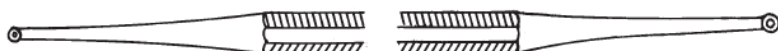


Curette Excavator

694-88

5 1/2" double ended

1.5 and 2.0mm with hole

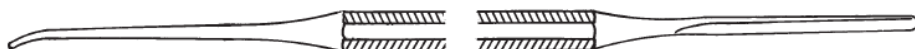


Curette Excavator

694-92

5 1/2" double ended

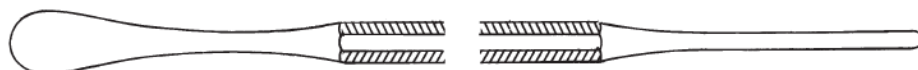
1.5 and 2.5mm with hole



Probe and Packer

694-95

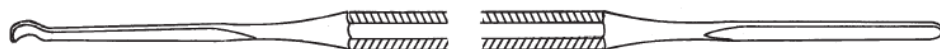
6" double ended



Spatula and Packer

694-98

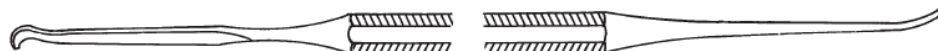
5 3/4" double ended



Excavator and Packer

695-02

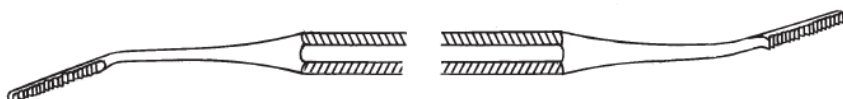
5 3/4" double ended



Excavator and Probe

695-18

6" double ended



Nail Rasp

695-38

6 3/4" angled

double ended



Johnson-Tucker Hook and Fork

697-90

6 1/2" double ended,
delicate

SPINAL INSTRUMENTS

SECTION

CONTENTS

Intervertebral Disc Rongeurs

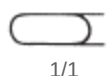
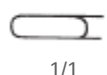
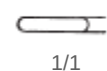
Bayonet Intervertebral Disc Rongeurs

Kerrison Punches

Bayonet Kerrison Punches

Spinal Curettes

Intervertebral Disc Rongeur



	Straight	Up Angle	Down Angle
			
Cushing 2x10mm bite straight 477-10 5" 477-20 6" 477-30 7"		2x10mm bite up angle 477-12 5" 477-21 6" 477-32 7"	2x10mm bite down angle 477-14 5" 477-22 6" 477-34 7"
Love-Gruenwald 3x10mm bite straight 477-60 5" 477-70 6" 477-80 7"		3x10mm bite up angle 477-62 5" 477-71 6" 477-82 7"	3x10mm bite down angle 477-64 5" 477-72 6" 477-84 7"
Spurling 4x10mm bite straight 478-00 5" 478-20 6" 478-40 7"		4x10mm bite up angle 478-02 5" 478-21 6" 478-42 7"	4x10mm bite down angle 478-04 5" 478-22 6" 478-44 7"

Other lengths available

Intervertebral Disc Rongeurs

1
2

Caspar Intervertebral Disc Rongeur

Jaws fenestrated and serrated



	Straight	Up Angle	Down Angle
			
 1/1	2x12mm bite straight 560-00 5 1/2" 559-35 6 1/4" 559-60 7 1/4"		
 1/1	3x12mm bite straight 560-01 5 1/2" 559-36 6 1/4" 559-61 7 1/4"	3x12mm bite up 560-03 5 1/2" 559-55 6 1/4" 559-72 7 1/4"	3x12mm bite down 560-05 5 1/2" 559-58 6 1/4" 559-66 7 1/4"
 1/1	4x14mm bite straight 560-02 5 1/2" 559-37 6 1/4" 559-62 7 1/4"	4x14mm bite up 560-04 5 1/2" 559-56 6 1/4" 559-73 7 1/4"	4x14mm bite down 560-06 5 1/2" 559-59 6 1/4" 559-67 7 1/4"
 1/1	5x14mm bite straight 559-38 6 1/4" 559-63 7 1/4"	5x14mm bite up 559-57 6 1/4" 559-74 7 1/4"	
 1/1	6x16mm bite straight 559-39 6 1/4" 559-65 7 1/4"		

Peapod Intervertebral Disc Rongeur

558-42 5 1/2" shaft
2x6mm bite up angle



Decker Intervertebral Disc Rongeur

6" shaft
558-58 2x6mm bite straight
558-57 2x6mm bite up
558-59 2x6mm bite down



Intervertebral Disc Rongeurs

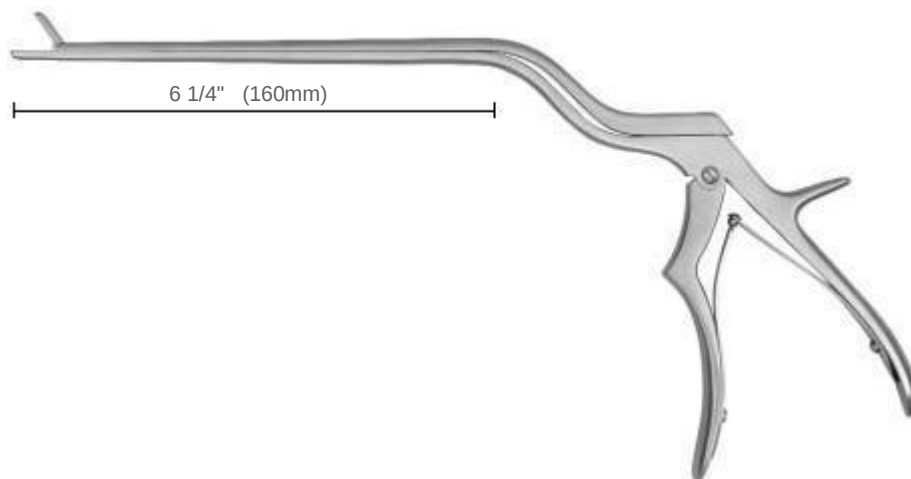
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Schlesinger Intervertebral Disc Rongeur
Serrated jaws



	Straight	Up Angle	Down Angle
 1/1	2x10mm bite straight 477-00 6" 477-40 7" 477-23 9"	2x10mm bite up 477-41 7" 477-24 9"	2x10mm bite down 477-42 7" 477-25 9"
 1/1	3x10mm bite straight 477-02 6"	3x10mm bite up 477-03 6"	
 1/1	4x10mm bite straight 477-04 6"		

Bayonet Intervertebral Disc Rongeur



	Straight	Up Angle	Straight	Up Angle
				
			Ceramic Coating	Ceramic Coating
	2mm x 8mm 561-21 6 1/4"	2mm x 8mm 561-24 6 1/4"	2mm x 8mm 561-27 6 1/4"	2mm x 8mm 561-30 6 1/4"
1/1	3mm x 9mm 561-22 6 1/4"	3mm x 9mm 561-25 6 1/4"	3mm x 9mm 561-28 6 1/4"	3mm x 9mm 561-31 6 1/4"
1/1	4mm x 10mm 561-23 6 1/4"	4mm x 10mm 561-26 6 1/4"	4mm x 10mm 561-29 6 1/4"	4mm x 10mm 561-32 6 1/4"
1/1				

Ceramic coating provides: hardness four times greater than stainless steel, less friction for longer wear and longer cutting life, scratch and corrosion resistance, and an anti-reflective surface.

Kerrison Punches

I
6

Spurling-Kerrison Punch (10mm opening)



Regular Footplate		Thin Footplate	
Forward 40°	Up 90°	Forward 40°	Up 90°
1mm bite forward 478-79 7" 478-81 8"	1mm bite up 478-85 7" 478-86 8"	1mm bite forward 480-05 7" 480-06 8" 480-07 9"	1mm bite up 480-08 7" 480-09 8"
2mm bite forward 479-96 7" 480-24 8" 478-82 9" 476-85 11"	2mm bite up 479-88 7" 480-16 8" 478-87 9"	2mm bite forward 559-08 7" 559-26 8" 559-82 9"	2mm bite up 559-09 7" 559-88 8" 559-90 9"
3mm bite forward 479-97 7" 480-25 8" 478-83 9"	3mm bite up 479-89 7" 480-17 8" 478-88 9"	3mm bite forward 559-11 7" 559-27 8" 559-83 9"	3mm bite up 559-12 7" 559-91 8" 559-92 9"
4mm bite forward 479-98 7" 480-26 8" 478-99 9"	4mm bite up 479-90 7" 480-18 8" 478-89 9"	4mm bite forward 559-14 7" 559-28 8" 559-84 9"	4mm bite up 559-15 7" 559-93 8" 559-94 9"
5mm bite forward 479-99 7" 480-27 8" 478-84 9"	5mm bite up 479-91 7" 480-19 8" 478-90 9"	5mm bite forward 559-17 7" 559-29 8" 559-85 9"	5mm bite up 559-18 7" 559-95 8" 559-96 9"
6mm bite forward 478-55 7" 480-28 8"	6mm bite up 478-57 7" 478-91 8"	6mm bite forward 559-86 7" 559-87 8"	6mm bite up 559-97 7" 559-98 8"

Spurling-Kerrison Punch (10mm opening)



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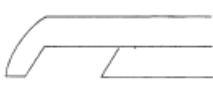
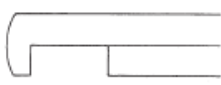
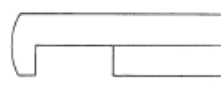
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Regular Footplate		Thin Footplate
Down 40°	Down 90°	Down 90°
		
1mm bite 40° down 478-91 7"	1mm bite down 480-10 7" 480-11 8"	1mm bite down 559-06 7" 559-20 8"
2mm bite down 478-92 7"	2mm bite down 479-92 7" 480-20 8"	2mm bite down 559-10 7" 559-21 8"
3mm bite down 478-93 7"	3mm bite down 479-93 7" 480-21 8"	3mm bite down 559-13 7" 559-22 8"
4mm bite down 478-94 7"	4mm bite down 479-94 7" 480-22 8"	4mm bite down 559-16 7" 559-23 8"
5mm bite down 478-95 7"	5mm bite down 479-95 7" 480-23 8"	5mm bite down 559-19 7" 559-24 8"
	6mm bite down 478-56 7" 478-98 8"	

Spurling-Kerrison Punch (15mm opening)



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D
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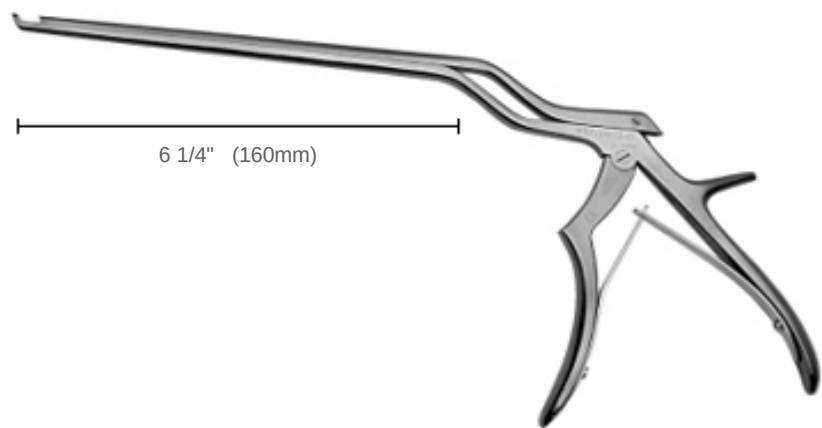
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Regular Footplate		Thin Footplate	
Forward 40°	Forward 40°	Forward 40°	Forward 40°
	 Ceramic Coating		 Ceramic Coating
2mm bite forward 561-90 7" 561-91 8"	2mm bite forward 562-06 7" 562-07 8"	2mm bite forward 561-98 7" 561-99 8"	2mm bite forward 562-14 7" 562-15 8"
3mm bite forward 561-92 7" 561-93 8"	3mm bite forward 562-08 7" 562-09 8"	3mm bite forward 562-00 7" 562-01 8"	3mm bite forward 562-16 7" 562-17 8"
4mm bite forward 561-94 7" 561-95 8"	4mm bite forward 562-10 7" 562-11 8"	4mm bite forward 562-02 7" 562-03 8"	4mm bite forward 562-18 7" 562-19 8"
5mm bite forward 561-96 7" 561-97 8"	5mm bite forward 562-12 7" 562-13 8"	5mm bite forward 562-04 7" 562-05 8"	5mm bite forward 562-20 7" 562-21 8"

Ceramic coating provides: hardness four times greater than stainless steel, less friction for longer wear and longer cutting life, scratch and corrosion resistance, and an anti-reflective surface.

Bayonet Kerrison Punches

Love-Kerrison Bayonet Punch



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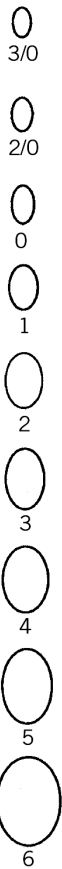
Regular Footplate		Thin Footplate	
Forward 40°	Forward 40°	Forward 40°	Forward 40°
	 Ceramic Coating		 Ceramic Coating
2mm 561-05 6 1/4"	2mm 561-13 6 1/4"	2mm 561-09 6 1/4"	2mm 561-17 6 1/4"
3mm 561-06 6 1/4"	3mm 561-14 6 1/4"	3mm 561-10 6 1/4"	3mm 561-18 6 1/4"
4mm 561-07 6 1/4"	4mm 561-15 6 1/4"	4mm 561-11 6 1/4"	4mm 561-19 6 1/4"
5mm 561-08 6 1/4"	5mm 561-16 6 1/4"	5mm 561-12 6 1/4"	5mm 561-20 6 1/4"

Ceramic coating provides: hardness four times greater than stainless steel, less friction for longer wear and longer cutting life, scratch and corrosion resistance, and an anti-reflective surface.

Spinal Currettes

I
10

Spinal Curette
15" Length with 9" Propylux handle



Cup Size	Straight	Down Angled	Up Angled
3/0	572-00	572-09	572-18
2/0	572-01	572-10	572-19
0	572-02	572-11	572-20
1	572-03	572-12	572-21
2	572-04	572-13	572-22
3	572-05	572-14	572-23
4	572-06	572-15	572-24
5	572-07	572-16	572-25
6	572-08	572-17	572-23

Spinal Curette
15" Length with 7" Propylux handle



	Cup Size	Straight	Down Angled	Up Angled
 3/0	3/0	572-24	572-33	572-42
 2/0	2/0	572-25	572-34	572-43
 0	0	572-26	572-35	572-44
 1	1	572-27	572-36	572-45
 2	2	572-28	572-37	572-46
 3	3	572-29	572-38	572-47
 4	4	572-30	572-39	572-48
 5	5	572-31	572-40	572-49
 6	6	572-32	572-41	572-50

Spinal Curettes

I
12

Spinal Curette
13" Length with 5" Silicone handle



- 3/0
- 2/0
- 0
- 1
- 2
- 3
- 4
- 5
- 6

Cup Size	Straight	Down Angled	Up Angled
3/0	572-51	572-60	572-69
2/0	572-52	572-61	572-70
0	572-53	572-62	572-71
1	572-54	572-63	572-72
2	572-55	572-64	572-73
3	572-56	572-65	572-74
4	572-57	572-66	572-75
5	572-58	572-67	572-76
6	572-59	572-68	572-77

MISCELLANEOUS

SECTION J

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Suction Tubes

Hand Immobilizers

Measuring Devices

Extremity Traction Devices

Screw Drivers

Frazier Suction Tube

7" (178mm)

- 428-23 6 french
- 428-24 7 french
- 428-25 8 french
- 428-26 10 french
- 428-30 12 french

1 french = .33mm



Yankauer Suction Tube

- 582-28 11 1/2" chrome
- 582-30 front tip only



Baron Suction Tube

5 1/2"

- 428-32 3 french
- 428-34 5 french
- 428-36 7 french

1 french = .33mm



Frazier Suction Tube

- 428-63 4 1/2" 7 french
- 428-64 4 1/2" 9 french
- 428-66 4 1/2" 11 french
- 428-73 7 1/2" 7 french
- 428-74 7 1/2" 9 french
- 428-76 7 1/2" 11 french

1 french = .33mm



Hand Immobilizers

J | 2

Alumi-Hand

Lead free disposable hand immobilizer made of aluminum with foam exterior. Unique anti-tilt X-ray compatible.

490-94 Large box 4
490-95 X-Large box 3



DuraHand

Lead free hand immobilizer made of aluminum for easy positioning. Unique anti-tilt X-ray compatible. Up to 100 uses

490-96 Large
490-97 X-Large



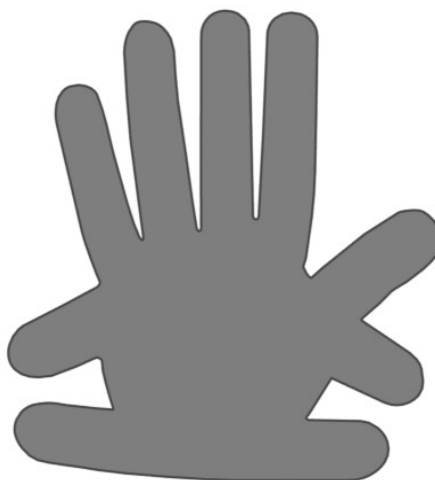
Lead Hand

490-90 14" adult



Lead Hand

490-93 9 1/2" adult



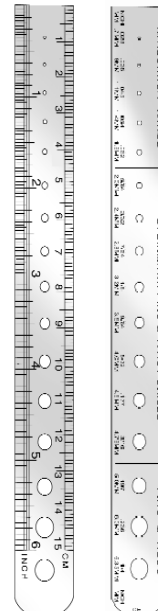
Townley Caliper

483-14 4" takes inside and outside measurements up to 4" (10cm)



K-Wire Ruler and Pin Gauge

397-10 6" length
inch and mm graduated



Front Back

Gauge Measures

K-Wires .028" – .062"
.7mm – 1.6mm

Pins .5/64" – 3/16"
2.0mm – 4.76mm

Rods .197" – 1/4"
5.0mm – 6.35mm

Stainless Steel Finger Traps

Reusable secure finger traps for use with traction in arthroscopic industry

- 491-00 X-Small
- 491-01 Small
- 491-02 Medium
- 491-03 Large



Complete traction system available

Nylon Finger Traps

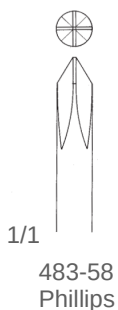
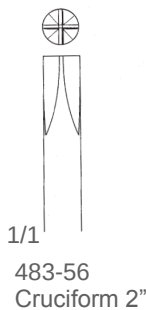
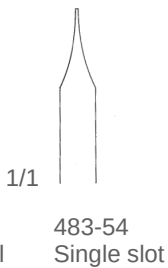
- 491-04 X-Small (Blue)
- 491-05 Small (Green)
- 491-06 Medium (Red)
- 491-07 Large (White)
- 491-08 X-Large (Black)
- 491-09 Set of 5



Complete traction system available

J
4

Screwdriver 10" with phenolic handle



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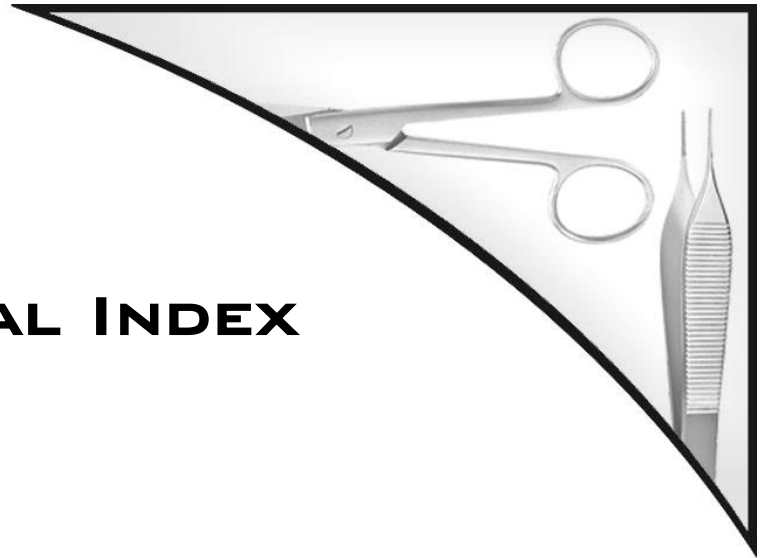
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483-14	J	3	491-15	E	1	497-38	G	7
483-22	G	9	491-16	E	1	497-61	F	3
483-31	C	6	491-17	E	1	497-62	F	4
483-32	C	6	491-18	E	1	497-63	F	4
483-33	C	6	491-20	E	1	498-00	G	8
483-34	C	6	491-21	E	1	498-10	G	9
483-35	C	6	491-22	E	1	510-59	B	3

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520-94	B	2	530-68	A	6	559-60		2
521-16	B	2	530-72	A	6	559-61		2
521-18	B	2	530-80	A	6	559-62		2
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521-24	B	2	531-38	A	6	559-64		2
521-28	B	2	531-68	A	6	559-65		2
521-30	B	2	531-72	A	6	559-66		2
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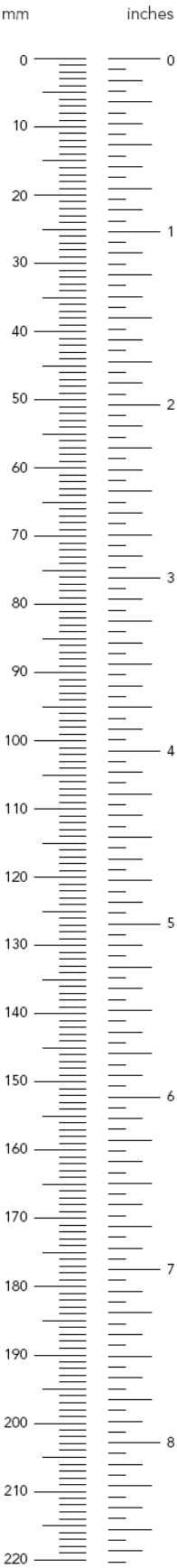
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697-93	H	4	711-75	G	10	713-15	G	10
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698-36	D	13	711-85	G	10	714-59	G	11
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710-04	G	13	712-06	G	10	715-19	G	11
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717-76	G	11
717-79	G	11
717-82	G	11
717-85	G	11
717-88	G	11
717-90	G	11
860-70	B	11
860-75	B	11
860-95	B	11
981-60	J	5
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981-80	J	5
981-90	J	5
C-028	G	14
C-028NS	G	14
C-035	G	14
C-035NS	G	14
C-045	G	14
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C-054	G	14
C-054NS	G	14
C-062	G	14
C-062NS	G	14
C-125	G	14
C-125NS	G	14
C-188	G	14
C-188NS	G	14
C-093	G	14
C-093NS	G	14
C-156	G	14
C-156NS	G	14
C-078	G	14
C-078NS	G	14
C-109	G	14
C-109NS	G	14
C-141	G	14
C-141NS	G	14

Conversion Charts and Scales



English - Metric Conversions

To convert	To	Multiply by
Inches	Millimeters (mm)	25.4
Inches	Centimeters (cm)	2.54
Millimeters (mm)	Inches	0.0394
Centimeters (cm)	Inches	0.394
Ounces (oz)	Grams (g)	28.3
Pounds (lbs)	Ounces (oz)	16
Grams (g)	Ounces (oz)	0.035

Fractions to millimeters

inches	millimeters
1/16	1.59
1/8	3.18
3/16	4.74
1/4	6.35
5/16	7.94
3/8	9.53
7/16	11.11
1/2	12.7
9/16	14.29
5/8	15.88
11/16	17.46
3/4	19.05
13/16	20.64
7/8	22.23
15/16	23.81
1	25.4

Conversion Charts and Scales

Temperature Scale Fahrenheit (F°) to Centigrade (C°)

F°	C°
302	150.0
284	140.0
266	130.0
248	120.0
230	110.0
212	100.0
203	95.0
194	90.0
185	85.0
176	80.0
167	75.0
158	70.0
149	65.0
140	60.0
131	55.0
122	50.0
113	45.0
104	40.0
95	35.0
86	30.0
77	25.0
68	20.0
59	15.0
50	10.0
41	5.0
32	0.0
23	-5.0
14	-10.0
5	-15.0
-4	-20.0
-13	-25.0
-22	-30.0
-31	-35.0
-40	-40.0

Fahrenheit to Centigrade or Celsius Degrees

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

Celsius or Centigrade to Fahrenheit

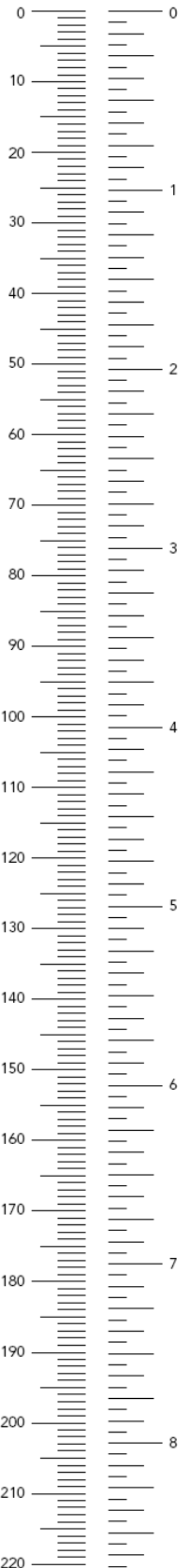
Multiply Centigrade temperature
by 9. Divide
result by 5. Add to 32.

French scale

fr	mm
3 fr	1.0
4 fr	1.3
5 fr	1.7
6 fr	2.0
7 fr	2.3
8 fr	2.7
9 fr	3.0
10 fr	3.3
11 fr	3.7
12 fr	4.0
13 fr	4.3
14 fr	4.7
15 fr	5.0
16 fr	5.3
17 fr	5.7
18 fr	6.0
19 fr	6.3
20 fr	6.7
22 fr	7.3
24 fr	8.0
26 fr	8.7
28 fr	9.3
30 fr	10.0
32 fr	10.7

mm

inches





1630 Carroll Avenue
St. Paul, MN 55104

www.PerformanceOR.com

651.789.0660 tel.
877.698.5131 tel.
651.698.2083 fax

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